Eric VanRuymbeke
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Enbridge Gas Inc.
P.O. Box 2001
50 Keil Drive N.
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Canada

VIA EMAIL and RESS

April 11, 2024

Nancy Marconi
Registrar
Ontario Energy Board
2300 Yonge Street, Suite 2700
Toronto, Ontario, M4P 1E4

Dear Nancy Marconi:

Re: Enbridge Gas Inc. (Enbridge Gas or the Company)
Ontario Energy Board (OEB) File No. EB-2022-0111
Bobcaygeon Community Expansion Project
Updated Application and Evidence

Further to the application and evidence filed by Enbridge Gas on June 14, 2023 in the above noted proceeding, enclosed please find the following evidence updates:

Exhibit	Update
Exhibit H-1-1 Attachment 4	The Ontario Ministry of Energy has completed its review of the Indigenous consultation record for the Bobcaygeon Community Expansion Project. The exhibit has been updated to include the letter received on April 9, 2024.

If you have any questions, please contact the undersigned.

Sincerely,

Eric VanRuymbeke

Eric VanRuymbeke
Sr. Advisor – Leave to Construct Applications

c.c. Charles Keizer (Torys)
Tania Persad (Enbridge Gas Counsel)
Judith Fernandes (OEB Staff)
Intervenors (EB-2022-0111)

EXHIBIT LIST

A – GENERAL

EXHIBIT	TAB	SCHEDULE	DESCRIPTION
A	1	1	Exhibit List
	2	1	Application
			Attachment 1 – Project Map

B – NEED

B	1	1	Need
			Attachment 1 – Ontario Newsroom – NGEP Phase 2
			Attachment 2 – Letter of Support
			Attachment 3 – LURA Market Research Report 2017
			Attachment 4 – FORUM Research Report 2022
			Attachment 5 – Correspondence - Director of Development Services
			Attachment 6 – Letters of Support from Developers
			Attachment 7 – Commercial 2021 and 2015 Survey Form

C – ALTERNATIVES

C	1	1	Alternatives

D – PROPOSED PROJECT, ENGINEERING & CONSTRUCTION

D	1	1	Proposed Project, Engineering and Construction
			Attachment 1 – TSSA Correspondence
D	1	2	Project Schedule

E – COST & ECONOMICS

E	1	1	Project Costs & Economics
			Attachment 1 – DCF Analysis
			Attachment 2 – Inputs, Parameters & Assumptions

F – ENVIRONMENTAL MATTERS

F	1	1	Environmental Matters
			Attachment 1 – Environmental Report (Redacted)
			Attachment 2 – Notice of Project Amendment
			Attachment 3 – Post-Environmental Report Summary of Project Correspondence – Landowner / Residents (Redacted)
			Attachment 4 – Post-Environmental Report Summary of Project Correspondence – OPCC
			Attachment 5 – Post-Environmental Report Summary of Project Correspondence – Agency
			Attachment 6 – Cultural Heritage Report: Existing Conditions and Preliminary Impact Assessment
			Attachment 7 – Stage 1 Archaeological Assessment

G – LAND REQUIREMENTS & AGREEMENTS

G	1	1	Land Requirements and Agreements
			Attachment 1 – Option for TLU
			Attachment 2 – Pipeline Easement
			Attachment 3 – Landowner List – Supply Lateral (Redacted)
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H – INDIGENOUS CONSULTATION

H	1	1	Indigenous Consultation
			Attachment 1 – Duty to Consult
			Attachment 2 – Delegation Letter
			Attachment 3 – Project Update Letter
			Attachment 4 – Sufficiency Letter
			Attachment 5 – Indigenous Peoples Policy
			Attachment 6 – ICR Summary Table
			Attachment 7 – ICR Log & Attachments

I – CONDITIONS OF APPROVAL

I	1	1	Conditions of Approval

ONTARIO ENERGY BOARD

IN THE MATTER OF the *Ontario Energy Board Act, 1998,* S.O. 1998, c. 15, Schedule B, and in particular sections 90(1), and 97 thereof;

AND IN THE MATTER OF an application by Enbridge Gas Inc. for an order granting leave to construct natural gas distribution pipelines and ancillary facilities that make up a Community Expansion Project to serve the community of the City of Kawartha Lakes.

APPLICATION

1. Enbridge Gas Inc. ("Enbridge Gas" or the "Company") hereby applies to the Ontario Energy Board ("OEB") pursuant to section 90(1) of the Ontario Energy Board Act, 1998, S.O. 1998, c. 15, Schedule B (the "Act"), for an order granting leave to construct natural gas pipelines and facilities, as described herein, in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities for which the Company is seeking OEB approval through this Application consist of:

(i) **A Supply Lateral:**

- Approximately 25 km of Nominal Pipe Size ("NPS") 6 inch extra high pressure ("XHP") steel ("ST") natural gas distribution pipeline.
- Approximately 2 km of NPS 6 inch high pressure polyethylene ("HPPE") natural gas distribution pipeline.
- Approximately 1 km of NPS 6 inch high pressure ("HP") ST natural gas distribution pipeline.

(ii) **A Reinforcement:**

- Approximately 8 km of NPS 6 inch XHP ST natural gas pipeline.

/U

2. For ease of reference a map of the proposed facilities is included as Attachment 1.

3. On June 9, 2021, the proposed Bobcaygeon Community Expansion Project ("Project") was approved to receive funding assistance as part of Phase 2 of the Government of Ontario's Natural Gas Expansion Program ("NGEP"),[1] which provides financial support to help utilities expand natural gas distribution in communities that are not currently connected to the natural gas system. The Project will provide approximately 3,700 customers located in the community of the City of Kawartha Lakes (including Bobcaygeon) with access to safe, reliable, and affordable natural gas distribution services. [2] /U

4. Enbridge Gas has franchise agreements[3] with and holds Certificate(s) of Public Convenience and Necessity[4] for the City of Kawartha Lakes (within which Bobcaygeon is located) and for the Township of Cavan-Monaghan[5] which allow the Company to construct, operate and add to the natural gas distribution system within all parts of the municipality.

[1] As discussed within Exhibits B, C and D of the attached pre-filed evidence, the Project description approved by the Government of Ontario for funding assistance as part of Phase 2 of the NGEP also included a Western Reinforcement Pipeline which is anticipated to be placed into service in 2029. The final engineering design of the Western Reinforcement Pipeline is not yet completed. The Company expects to seek OEB approval for leave to construct the Western Reinforcement Pipeline facilities through a separate application in the future.
[2] 3,689 customers, including: 3,517 residential; and 172 commercial/industrial customers.
[3] City of Kawartha Lakes - RP-2005-0024/EB-2005-0458 (expiring February 7, 2026); and Township of Cavan-Monaghan – RP-2004-0125/EB-2004-0199 (expiring September 7, 2024). /U
[4] City of Kawartha Lakes - EB-2017-0147 (dated March 1, 2018); and Township of Cavan-Monaghan – RP-2004-0125/EB-2004-0198 (dated July 16, 2004)
[5] Formerly the Township of Cavan-Millbrook-North Monaghan until 2007.

5. With leave of the OEB:

   (i) Construction of the **Supply Lateral** is planned to commence in March 2024 and to be fully placed into service by January 2025.[6] /U

   (ii) Construction of the **Reinforcement** pipeline is planned to commence in March 2026 and to be placed into service in September 2026. /U

6. To meet construction timelines, Enbridge Gas respectfully requests the approval of this application as soon as possible and ideally not later than December 21, 2023. /U The proposed construction schedule can be found at Exhibit D, Tab 1, Schedule 2.

7. Enbridge Gas intends to charge a System Expansion Surcharge ("SES") to all new customers taking gas distribution service from the Project. In accordance with the OEB's EB-2020-0094 Decision and Order, the SES will be a fixed volumetric rate of $0.23 per cubic metre of gas to be charged in addition to Enbridge Gas's base distribution rates as approved by the OEB. The SES is proposed to be charged to all customers taking gas distribution service from the Project for a term of 40 years. Detailed information about the proposed SES and its applicability to the Project can be found in Exhibit E.

8. If the OEB determines that it will conduct a hearing for this application, then Enbridge Gas requests that it proceed by way of written hearing in English.

9. Enbridge Gas requests that the OEB make the following orders:

   (i) pursuant to section 90(1) of the Act, and Order granting leave to construct the Project;

[6] As discussed within Exhibits B, C and D of the attached pre-filed evidence, the Supply Lateral is anticipated to be placed into service by January2025 /U
.

(ii) pursuant to section 97 of the Act, and Order approving the form of temporary land use agreements and easement agreements found at Exhibit G, Tab 1, Schedule 1, Attachments 1 and 2; and

10. Enbridge Gas requests that copies of all documents filed with the OEB in connection with this proceeding be served on it and on its counsel, as follows:

(a)	The Applicant:	Haris Ginis Technical Manager, Leave to Construct Applications
	Address for personal service:	500 Consumers Road Toronto, ON M2J 1P8
	Mailing Address:	P.O. Box 650 Scarborough, ON M1K 5E3
	Telephone:	(416) 495-5827
	E-Mail:	haris.ginis@enbridge.com EGIRegulatoryProceedings@enbridge.com
(b)	The Applicant's counsel (1):	Tania Persad Senior Legal Counsel Enbridge Gas Inc.
	Address for personal service:	500 Consumers Road Toronto, ON M2J 1P8
	Mailing Address:	P.O. Box 650 Scarborough, ON M1K 5E3

/U

	Telephone:	(416) 495-5891
	Fax:	(416) 495-5994
	E-Mail:	tania.persad@enbridge.com

(c) The Applicant's counsel (2): Charles Keizer
Torys, LLP /U

Mailing Address:	79 Wellington St. W, 30th Floor, Box 270, TD South Tower, Toronto, ON M5K 1N2
Telephone:	(416) 865-7512
Fax:	(416) 865-7380
E-Mail:	ckeizer@torys.com

DATED May 2, 2022, at the City of Chatham, Ontario.

ENBRIDGE GAS INC.

(Original Signed)

_____

Haris Ginis /U
Technical Manager, Leave to Construct Applications

PROJECT NEED

Introduction

1. The Bobcaygeon Community Expansion Project (the "Project") will make natural gas available to approximately 3,700[1] customers in the community of the City of Kawartha Lakes (including Bobcaygeon).[2] A portion of the Project will also be located in the Township of Cavan-Monaghan.[3] Expansion of Enbridge Gas's natural gas distribution system to Bobcaygeon and the City of Kawartha Lakes will further the Government of Ontario's desire to have gas distribution service made available to communities that are currently not served. /U

2. The Project is composed of:
   (i) A **Supply Lateral** through the City of Kawartha Lakes to Bobcaygeon which will be constructed in two steps with segments being placed into service (following commissioning and energization) in each of 2024 and 2025, consisting of approximately: /U
      - 25 km of NPS 6 XHP ST natural gas distribution pipeline.
      - 2 km of NPS 6 HPPE natural gas distribution pipeline.
      - 1 km of NPS 6 HP ST natural gas distribution pipeline.

   (ii) A **Reinforcement Pipeline**, running from Enbridge Gas's existing system within the municipality of Cavan-Monaghan into the City of Kawartha Lakes which is expected to be placed into service in 2026, consisting of approximately: /U

[1] 3,689 customers, including: 3,517 residential; and 172 commercial/industrial customers. /U
[2] The Corporation of the City of Kawartha Lakes is a municipality in Ontario with its head office located in Lindsay Ontario. It was created on or about January 1, 2001, through the amalgamation of the communities within the former Victoria County.
[3] Formerly the Township of Cavan-Millbrook-North Monaghan, until 2007.

- 8 km of NPS 6 XHP ST natural gas pipeline. /U

(iii) **Ancillary Facilities**, including:

- 6 regulator stations, approximately 75 km of distribution mains, and customer services. /U

The Government of Ontario NGEP

3. The Project was previously approved to receive funding assistance from Phase 2 of the Government of Ontario's Natural Gas Expansion Program ("NGEP"). The Government of Ontario describes the NGEP as follows:[4]

> The Natural Gas Expansion Program was created under the Access to Natural Gas Act, 2018 to help expand access to natural gas to areas of Ontario that currently do not have access to the natural gas distribution system. This program encourages communities to partner with gas distributors on potential expansion projects that would not be built without additional financial support and submit information on these proposals to the Ontario Energy Board.

4. As part of Phase 2 of the NGEP process, Enbridge Gas filed proposals for 207 potential community expansion and economic development projects. On June 9, 2021, the Government of Ontario announced that 28 projects across 43 communities were selected for funding under Phase 2 of the NGEP, including the Project (the press release is included as Attachment 1 to this Exhibit).

5. By proceeding with the Project, Enbridge Gas will bring additional safe, reliable, and affordable natural gas distribution service to the community of the City of Kawartha

[4] https://www.ontario.ca/page/natural-gas-expansion-program

Lakes (including Bobcaygeon), in direct support of the Government of Ontario's NGEP.

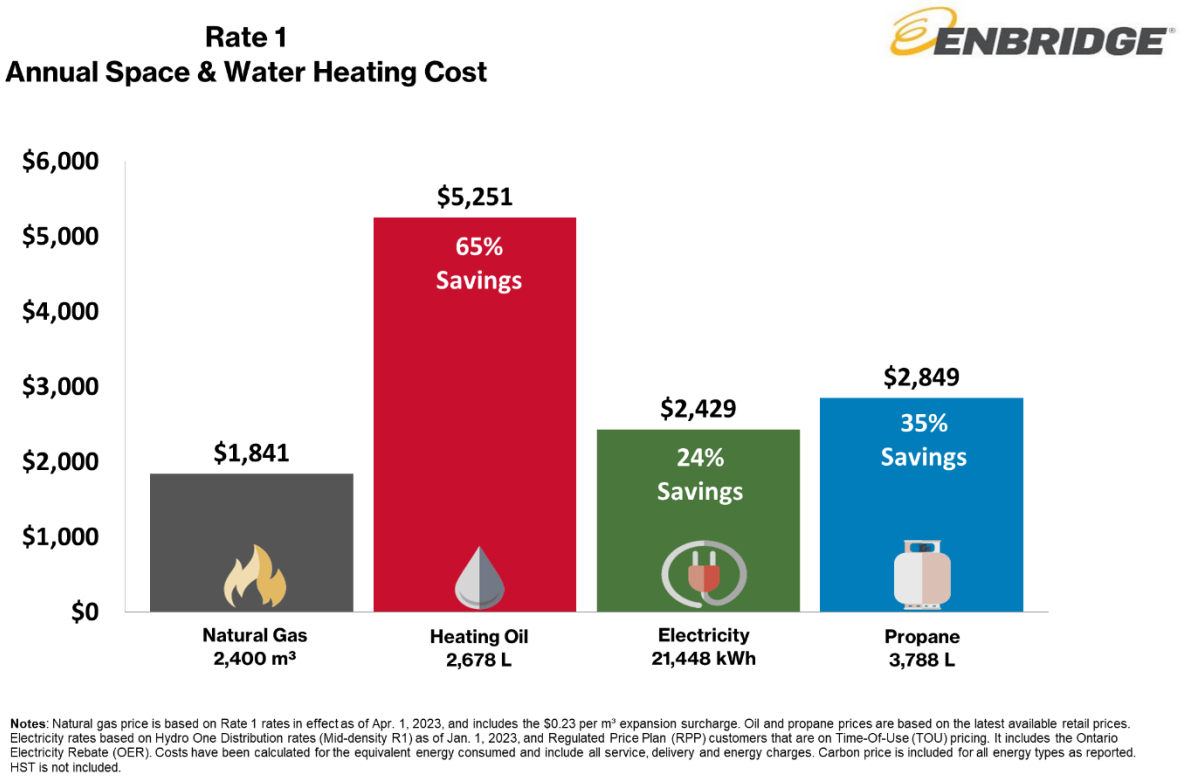
Delivering the Energy that Customers Want and Need

6. Natural gas continues to maintain price competitiveness against other energy alternatives in Ontario. Figure 1 below shows this price advantage, inclusive of the proposed $0.23/m³ System Expansion Surcharge ("SES"). The data set out in Figure 1 is based on April 2023 QRAM rates and is calculated assuming a typical Rate 1 residential customer consuming 2,400 m³ of natural gas per year. Based on the most recent prices available at the time of this application, a typical Rate 1 residential natural gas customer saves 65% compared to heating oil, 24% compared to electricity (non-heat pump) and 35% compared to propane[5]. Importantly, the electricity prices utilized in Figure 1 include the Ontario Electricity Rebate which effectively suppresses the cost of electricity.[6] /U

[5] Oil and propane prices are based on the latest available retail prices. Electricity rates are based on Hydro One Distribution rates (Mid-density R1) as of January 1, 2023 and RPP customers that are on TOU pricing. Electricity rates include the new Ontario Electricity Rebate (OER) and exclude fixed charges. Costs have been calculated for the equivalent energy consumed and include all service, delivery and energy charges. The federal carbon charge is included for all energy types as reported. HST is not included. /U

[6] Natural gas prices are based on the Enbridge Gas Rate 1 rate schedule, effective April 1, 2023. Heating oil, and propane prices are based on the latest actual data available at the time of comparison. Electricity rates are based on Hydro One Distribution rates (Med-density R1) as of January 1, 2023, and RPP customers that are on TOU pricing. It includes the new Ontario Electricity Rebate (OER) and excludes fixed charges. Costs have been calculated for the equivalent energy consumed and include all service, delivery, and energy charges. Carbon price is included for all energy types as reported. HST is not included. /U

Figure 1: Annual Energy Costs & Savings Versus Natural Gas, Including SES



Notes: Natural gas price is based on Rate 1 rates in effect as of Apr. 1, 2023, and includes the $0.23 per m³ expansion surcharge. Oil and propane prices are based on the latest available retail prices. Electricity rates based on Hydro One Distribution rates (Mid-density R1) as of Jan. 1, 2023, and Regulated Price Plan (RPP) customers that are on Time-Of-Use (TOU) pricing. It includes the Ontario Electricity Rebate (OER). Costs have been calculated for the equivalent energy consumed and include all service, delivery and energy charges. Carbon price is included for all energy types as reported. HST is not included.

/U

7. Recent pricing data for natural gas and alternative energy sources continue to show cost savings despite the $0.23/m^3 SES. Table 1 below estimates that the average residential customer in the Project area can achieve annual energy cost savings of approximately $829 through converting to natural gas. Annual energy costs by fuel type are based on the calculations used to develop Figure 1. /U

Table 1: Estimated Annual Fuel Costs & Fuel Cost Savings for a Typical Rate 1 Residential Customer /U

Primary Fuel Source	**Penetration Rate**	**Annual Bill** ($)	**Annual Natural Gas Savings** ($)
Natural Gas	-	1,841	NA
Electricity (non-heat pump)	20%	2,429	588
Heating Oil	4%	5,251	3,410
Propane	57%	2,849	1,008
Wood	3%	Not Available	Not Available
Heat Pumps	15%	Not Applicable	Not Applicable
Weighted Average Annual Natural Gas Savings *(compared to alternative fuel sources)*			**829**

/U

8. The City of Kawartha Lakes has emphasized its support for the Project on multiple occasions via council resolutions and expressions of support which are set out as Attachment 2 to this Exhibit.

Market Research

9. Enbridge Gas conducted surveys of potential residential and commercial/industrial customers in the area, to gauge interest in natural gas distribution service (and conversion) within the Project area. Enbridge Gas retained LURA Consulting, an independent third-party research firm, to conduct telephone surveys of potential residential customers in 2017 (the results of which are collectively referred to as the "LURA Survey" and are summarized in Attachment 3 to this Exhibit). Enbridge Gas also retained Forum Research, an independent third-party research firm, to conduct surveys of potential residential customers in 2022 (the results of which are collectively referred to as the "Forum Survey" and are summarized in Attachment 4 to this Exhibit). Enbridge Gas also conducted its own in-person survey of potential commercial/industrial customers. /U /U

10. The surveys informed residents and commercial/industrial consumers about the proposed Project and sought information pertaining to the characteristics of dwellings/buildings, including:
    - their nature (i.e., residential dwelling, commercial space, industrial space, etc…);
    - the current fuel type relied upon; and
    - interest in converting to natural gas-fueled equipment and/or appliances.

11. Results from the LURA Survey indicate that in Bobcaygeon the split between fuel sources for residents at the time was 31.5% electricity, 30.4% propane, and 29.3% heating oil. 73.9% of respondents indicated that they would be likely (very likely or somewhat likely) to convert to natural gas if it were made available. Price and cost savings were the primary reasons cited by respondents who reported that they would likely convert to natural gas if it were made available. Nearly all respondents (97.8%) indicated that they would likely convert to natural gas if the annual cost savings were 30% relative to their current energy source. /U

12. Results from the Forum Survey indicate that the primary energy source for heating in Bobcaygeon is currently 20% electricity (non-heat pump), 57% propane, 15% heat pumps, 4% heating oil and 3% wood. Of those who responded to the survey, 53% indicated that they are likely (extremely likely, very likely or likely) to convert their space heating systems to natural gas if it were made available. /U

13. In addition to the survey results summarized above, Enbridge Gas also obtained new construction growth plans from the City of Kawartha Lakes for the purposes of determining its customer addition/growth forecast. Attachment 5 to this Exhibit /U

includes a letter from the City of Kawartha Lakes supporting Enbridge Gas's use of the community's growth plans for these purposes, as well as a copy of those plans. Enbridge Gas continues to communicate with the City of Kawartha Lakes to review development plans and obtain status updates where applicable. Additionally, Enbridge Gas continues to communicate with all identified developers in the area and has obtained letters of support from each developer (provided at Attachment 6 to this Exhibit).

14. Enbridge Gas conducted its own in-person survey of local businesses and received a total of eight responses indicating that respondents utilize either one of or a combination of oil, electricity, and propane for their energy requirements. All respondents indicated that if natural gas were available, they would be interested in converting their heating system to natural gas. 75% indicated that they would convert within the first year of natural gas service becoming available, 12.5% indicated they would convert within two years of natural gas service becoming available, and 12.5% did not indicate any conversion or attachment timing. A sample of the survey provided to potential commercial/industrial customers in 2015 and in 2021 is set out in Attachment 7.

Growth Forecast

15. Table 2 below provides Enbridge Gas's 10-year growth forecast for customer attachments in the Project area. The forecast has been informed by Municipal Property Assessment Corporation ("MPAC") data, field observations and the market research discussed above. /U

Table 2: Projected Customer Additions

Bobcaygeon Customer Additions	Total Potential Customers	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Total Forecasted
Conversions												
Residential Units (Singles)	1874	100	149	149	139	119	119	100	40	40	40	995
Residential Multi-Units (Semis, Towns, Apartments)	314	17	25	25	23	20	20	17	7	7	7	168
Commercial/Industrial Units	252	0	16	26	36	35	26	19	8	3	3	172
Total	2440	117	190	200	198	174	165	136	55	50	50	1335
New Construction												
Residential Units (Singles)	1807	0	90	181	361	361	271	271	145	90	37	1807
Residential Multi-Units (Semis, Towns, Apartments)	547	0	27	55	109	109	82	82	44	27	12	547
Total	2354	0	117	236	470	470	353	353	189	117	49	2354
Total												
Residential Total	4542	117	291	410	632	609	492	470	236	164	96	3517
Commercial/Industrial Total	252	0	16	26	36	35	26	19	8	3	3	172
Total	4794	117	307	436	668	644	518	489	244	167	99	3689
Total Cumulative		117	424	860	1528	2172	2690	3179	3423	3590	3689	

/U

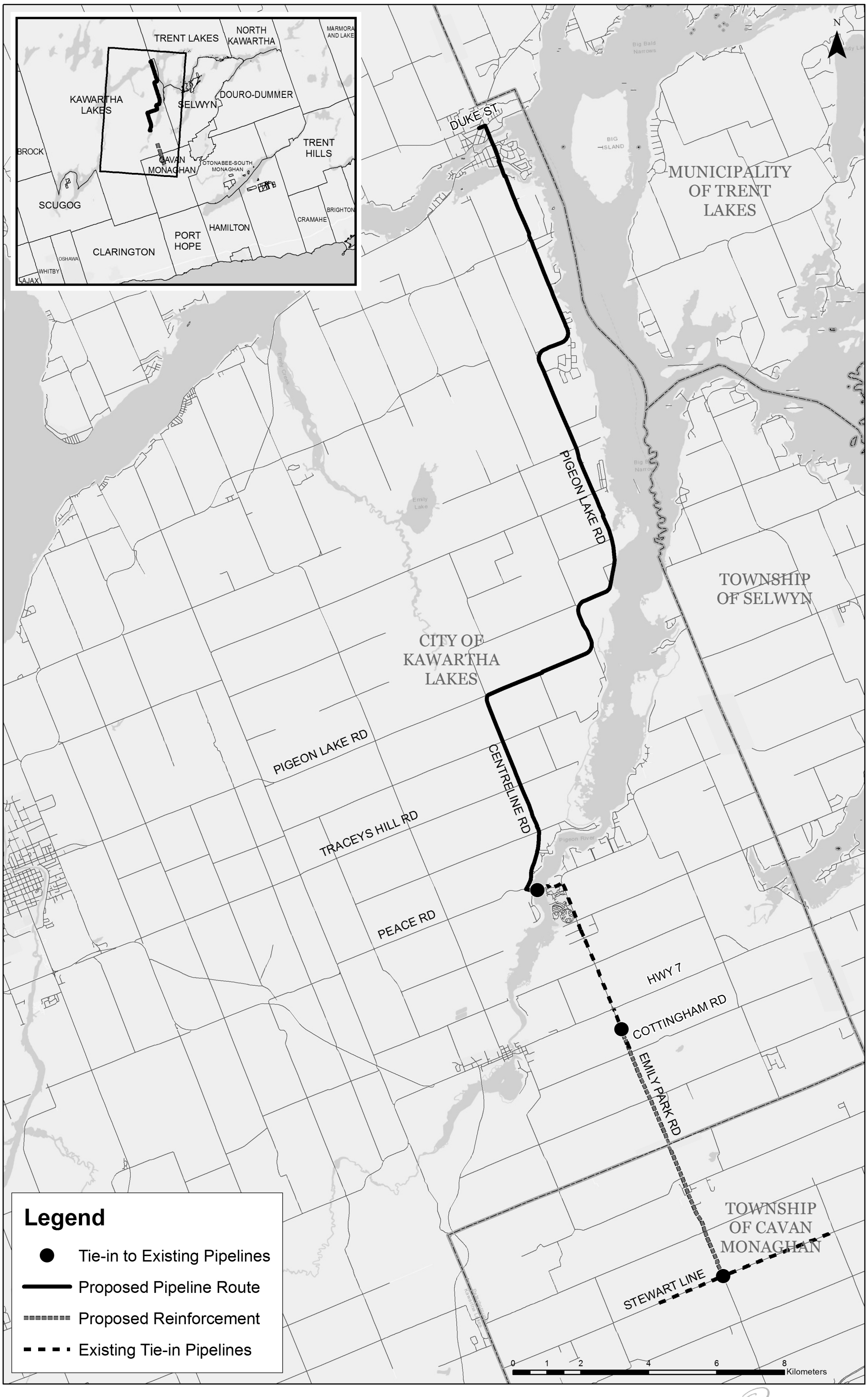
Related Enbridge Gas Projects

16. While the Project is one of many community expansion projects proposed by Enbridge Gas, the Project itself does not contain any planned future phases and is not dependent upon any previously filed leave to construct application by Enbridge Gas. This Project is designed exclusively to serve the Project area discussed above and throughout the balance of this application. /U

Conclusion

17. The Project is required to support the NGEP and is designed to expand access to safe, reliable, and affordable natural gas to areas of Ontario that do not currently have it. The need for the Project is directly supported by the City of Kawartha Lakes through their request for natural gas for their constituents, and by the interest in natural gas service within the community as derived from the market research and in-person survey results. /U

Bobcaygeon Community Expansion Project



ENBRIDGE
Life Takes Energy

NEWS E E SE

tario Expa ds ccess to Natural Gas i ural, Norther a d l dige ous ommu ities

Province makes life more affordable for families, businesses and farmers

June 09, 2021
Energy, Northern Development and Mines

Toronto — The Ontario government is expanding access to natural gas across the province to help keep the cost of energy low for families, businesses and farmers. Phase 2 of the Natural Gas Expansion Program will allocate more than $234 million to support approximately 8750 connections in 43 rural, northern and Indigenous communities.

“Today we’re celebrating an important milestone in Ontario’s energy history with Phase 2 of the Natural Gas Expansion Program,” said Premier Doug Ford. “We’re making good on our promise to deliver affordable energy and expand natural gas pipelines to more communities, while at the same time improving economic development and creating thousands of new jobs.”

In addition to connecting thousands of residential customers across Ontario, Phase 2 will support economic development in the Hamilton and Niagara areas with expansion projects planned for Grimsby-Lincoln and the Hamilton Airport and surrounding areas. The projects are expected to create approximately 5000 jobs within these communities.

“We’re sending a clear message that Ontario is open for business,” said Bill Walker, Associate Minister of Energy. “As part of our government’s plan to make life more affordable, we prioritized broad distribution across Ontario to help as many homes and businesses keep the cost of energy low, support jobs and attract new investment. This will be a game-changer for these 43 communities.”

The average household could save between $250 to $1,500 per year in energy costs by switching to natural gas from costlier fuel sources. Businesses are expected to save up to 30 per cent on energy costs per year.

Construction for projects under Phase 2 will begin as soon as this year, with all 28 expansion projects expected to be underway by the end of 2025.

Quick Facts

- Phase 2 of the Natural Gas Expansion Program will allocate more than $234 million to support 28 new natural gas expansion projects, which are expected to be underway by the end of 2025.
- Two expansion projects will directly benefit Indigenous communities, specifically the Red Rock First Nation and the Mohawks of the Bay of Quinte First Nation.
- Since its launch in 2019, Phase 1 of the Natural Gas Expansion Program has supported projects that are forecast to connect over 9,000 customers, in 16 communities, to natural gas.
- Phase 1 and 2 projects are funded through a $1-per-month charge to existing natural gas customers.

Quotes C

"Thro h tario's Nat ral Gas Expa sio Pro ram, these proje ts will ri mu h eeded a d wa ted at ral as to additio al commu ities while s pporti jo s, helpi to attract local i vestme t, a d providi e er y savi s to reside ts a d si esses. We are thrilled that the Gover me t of tario selected these projects a d look forward to worki to ether with the provi ce a d local mu icipalities to co ti e to ri at ral as to more tario homes a d si esses." b

- Cynthia Hansen
Executive Vice President & President, Gas Distribution & Storage, Enbridge Inc.

"EPC Rs looki forward to expa di o r at ral as i frastr ct re a d co ecti ei h o rs to a afforda le, relia le, co ve ie t a d clea so rce of e er y. U der the provi ce's Phase 2 expa sio , more families, farms a d si esses thro ho t r ral tario will e a le to access at ral as while e erati eco omic developme t i the re io ." b

- Susannah Robinson
Vice President, Ontario Region, EPCOR

"Nat ral as is a relia le a d afforda le so rce of e er y for ho seholds a d si esses across the provi ce, a d it is c rre tly the o ly reso rce with e o h flexi ility a d capacity to meet peak dema d periods year-ro d. We are pleased to see the tario over me t move forward with the expa sio of at ral as to e s re si esses ca co ti e operati thro ho t eco omic recovery a d eyo d."

- Rocco Rossi
President and CEO, Ontario Chamber of Commerce

"The VGG is pleased to hear of the o tcomes from the Nat ral Gas Expa sio pro ram a d the efforts of the tario over me t, Mi isters Walker a d Rickford, a d all staff at the Mi istry of E er y, Norther Developme t a d Mi es, that will e s re i creased accessi ility for r ral commu ities a d pote tial ree ho se developme t."

- Aaron Coristine
Manager of Science, Regulatory Affairs, Government Relations, Ontario Greenhouse Vegetable Growers

" AFis pleased to see the co ti atio of at ral as expa sio to r ral a d remote commu ities across tario. Nat ral as access is vital to farms a d r ral si esses, providi relia le, afforda le e er y optio s with the pote tial to drastically oost si esses opport ities y si ifica tly loweri e er y costs."

- Peggy Brekveld
President, Ontario Federation of Agriculture b

Additional Resources

- tario Bri s Nat ral Gas to 43 Commu ities with Phase 2 of the Nat ral Gas Expa sio Pro ram
- Nat ral Gas Expa sio S pport Pro ram

Related Topics

Environment and Energy

Lear more a o t how tario protects a d restores wildlife a d the e viro me t. I cl des i formatio o co servatio a d the electricity system. Lear more b

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Contact us

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The Corporation of the
City of Kawartha Lakes
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LINDSAY, ON K9V 5R8
Tel. (705) 324-9411 Ext 1295, 1-888-822-2225
Fax: (705) 324-8110

Judy Currins, City Clerk

July 10th, 2017

Mark Wilson
Steve McGill
Via email Mark.Wilson@enbridge.com

Dear Mark Wilson and Steve McGill:

Re: Enbridge Proposed Natural Gas Expansions to Fenelon Falls and Bobcaygeon

Council would like to thank you for attending the June 27th, 2017 Regular Council Meeting to make a presentation on the above referenced matter. For your information your deputation was received and the following resolution was adopted by Council at that meeting:

CR2017-567
Moved By Councillor Elmslie
Seconded By Councillor Dunn

RESOLVED THAT Report CAO2017-003, **Enbridge Proposed Natural Gas Service Expansions to Fenelon Falls and Bobcaygeon**, be received;
THAT the City of Kawartha Lakes supports natural gas expansion projects within the City;
THAT the City of Kawartha Lakes will contribute financially to natural gas expansion projects approved by the Ontario Energy Board and serving the communities of Fenelon Falls and Bobcaygeon at a cost not exceeding the municipal portion of the property tax that would be recovered on the new natural gas infrastructure being built to serve Fenelon Falls and Bobcaygeon for a period of 10 years, commencing when those property taxes first become due; and
THAT the Mayor be authorized to provide a letter in support of Enbridge Gas Distribution's applications to the Ontario Energy Board for natural gas expansion projects serving Fenelon Falls and Bobcaygeon.

CARRIED

Please contact Ron Taylor, CAO (705-324-9411, ext. 1296) if you have any questions with respect to this matter.

Yours very truly,

Judy Currins, CMO,
City Clerk,
City of Kawartha Lakes

cc: Ron Taylor

The Corporation of the
City of Kawartha Lakes
P.O. Box 9000, 26 Francis St.,
Lindsay, Ontario K9V 5R8
Tel: (705) 324-9411 ext. 1320, 1 888-822-2225
Fax: (705) 324-8110
aletham@kawarthalakes.ca

April 21, 2020

Mr. Mark Wilson (Mark.Wilson@enbridge.com)
Senior Advisor, Municipal & Stakeholder Relations
Enbridge Gas Inc.
500 Consumers Road
Toronto, ON M2J 1P8

Re: Expression of Support for Natural Gas Expansion to Bobcaygeon

In December 2019, the Government of Ontario announced plans to further increase access to natural gas by making financial support available for new service expansion projects. This Natural Gas Expansion Support Program will unlock financial support needed to expand natural gas service to new areas across Ontario that are not economically feasible without support. The City of Kawartha Lakes is one such area, and we are eager to bring this affordable, reliable fuel source to more residents and businesses.

On behalf of City of Kawartha Lakes, I would like to formally support the inclusion of Bobcaygeon on Enbridge Gas' list of projects being proposed to the Ontario Energy Board (OEB) for consideration for financial support through the Natural Gas Expansion Support Program.

Based on the Guidelines issued by the OEB (EB-2019-0255) on March 5th, 2020, we are aware that Enbridge Gas may include support for the proposed project from local government, demonstrated through a written expression of support in its project submissions.

Natural gas is the most common, affordable heating fuel in Ontario. The City of Kawartha Lakes supports the efforts of Enbridge Gas, the OEB and the Ministry of Energy, Northern Development and Mines. We look forward to working together to expand natural gas access in our community to attract new opportunities, help create jobs and lower monthly costs for more residents and business owners.

Sincerely,

Andy Letham
Mayor Kawartha Lakes

Kawartha Lakes

The Office of Mayor and Council
P.O. Box 9000 26 Francis Street West
Lindsay, ON K9V 5R8
705-324-9411 extension 1310
www.kawarthalakes.ca

February 4, 2022

Re: Expression of Support for Natural Gas Expansion to Bobcaygeon

In December 2019, the Government of Ontario announced plans to further increase access to natural gas by making financial support available for new service expansion projects. This Natural Gas Expansion Support Program will unlock financial support needed to expand natural gas service to new areas across Ontario that are not economically feasible without support. The City of Kawartha Lakes is one such area, and we are eager to bring this affordable, reliable fuel source to more residents and businesses.

On behalf of City of Kawartha Lakes, I would like to formally support the inclusion of Bobcaygeon on Enbridge Gas' list of projects being proposed to the Ontario Energy Board (OEB) for consideration for financial support through the Natural Gas Expansion Support Program.

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Natural gas is the most common, affordable heating fuel in Ontario. The City of Kawartha Lakes supports the efforts of Enbridge Gas, the OEB and the Ministry of Energy, Northern Development and Mines. We look forward to working together to expand natural gas access in our community to attract new opportunities, help create jobs and lower monthly costs for more residents and business owners.

Sincerely,

Andy Letham

Mayor Kawartha Lakes

Peterborough + Kawarthas CHAMBER of COMMERCE
Strengthening Business

October 11, 2022

Re: Expression of Support for Bobcaygeon Community Expansion Project in City of Kawartha Lakes

Dear Ms. Fazari,

The Peterborough and the Kawarthas Chamber of Commerce has been advocating on behalf of businesses in the region for more than a century. We believe in working toward a level playing field for all businesses to help them be more competitive. Rural businesses are increasingly expected to compete well outside their communities. Access to affordable and reliable energy is a critical component to the success of a business.

It has come to our attention that Enbridge Gas has prepared and submitted a Leave-to-Construct (LTC) application to the Ontario Energy Board (OEB) for the Bobcaygeon Community Expansion Project. This project includes parts of Peterborough County and the City of Kawartha Lakes. We believe the success in neighbouring regions benefits us all.

This project will provide natural gas access to nearly 4,000 forecasted customers in our community over 10 years, which will give area residents and businesses a reliable, affordable option for their energy needs.

On behalf of the Peterborough and the Kawarthas Chamber of Commerce, by way of this letter, I am providing written support for this project, and anticipate it will be included in Enbridge's submission files.

We look forward to working together on this project.

Sincerely,

Stuart Harrison, President & CEO
Peterborough and the Kawarthas Chamber of Commerce
175 George Street North
Peterborough, ON K9J 3G6
stuart@pkchamber.ca
(705) 748-9771 ext.202

Community Expansion Research Survey Results

Bobcaygeon





ENBRIDGE

LURA
LISTEN · UNDERSTAND · RELATE · ADVANCE

November 2017

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Introduction

Enbridge Gas Distribution Inc. is currently exploring opportunities to expand natural gas service in Bobcaygeon. As part of its overall due diligence, Enbridge is conducting research to inform the expansion planning process.

The research included a telephone survey to assess residential interest in converting to natural gas, if this service is made available in Bobcaygeon. The survey was also designed to identify residential characteristics, current fuel source and heating equipment, and interest in further communications regarding the potential availability of natural gas service.

This summary below presents the survey results as they relate to Bobcaygeon.

Methodology

A random-sample telephone survey was conducted in May 2017. This approach provided a cost-effective method to obtain feedback from a representative sample of the population, while avoiding sampling biases. A participation target based on the community's population was set and achieved to obtain statistically significant results in line with the accepted standard of accuracy (+/- 5%, 19 times out of 20) for surveys of this type. A total of 92 individuals from Bobcaygeon were interviewed.

Key Findings

Residential Characteristics and Ownership

- Almost all (98.9%) of the respondents from Bobcaygeon were contacted at their primary residence. The remaining respondents reported being at a secondary or vacation residence. All the respondents reported being the property owner.
- Most frequently, respondents (23.9%) reported residing in a residence built within the last 31-40 years. This was followed by 17.4% of respondents who reported residing in a residence built within the last 21-30 years. Overall, the vast majority (70.7%) reside in homes 50 years of age or less.
- The most frequently reported residence size was 1501-2000 square feet (28.3%), followed closely by 1000-1500 square feet (21.7%) and 2001-2500 square feet (14.1%). Combined these categories accounted for nearly two-thirds (64.1%) of all the residences in Bobcaygeon.
- A strong majority of the respondents (81.5%) live at the residence they were contacted at for the full year, while the remaining balance reported living at the residence anywhere from 4 to 11 months of the year.

Current Fuel Sources and Heating Equipment

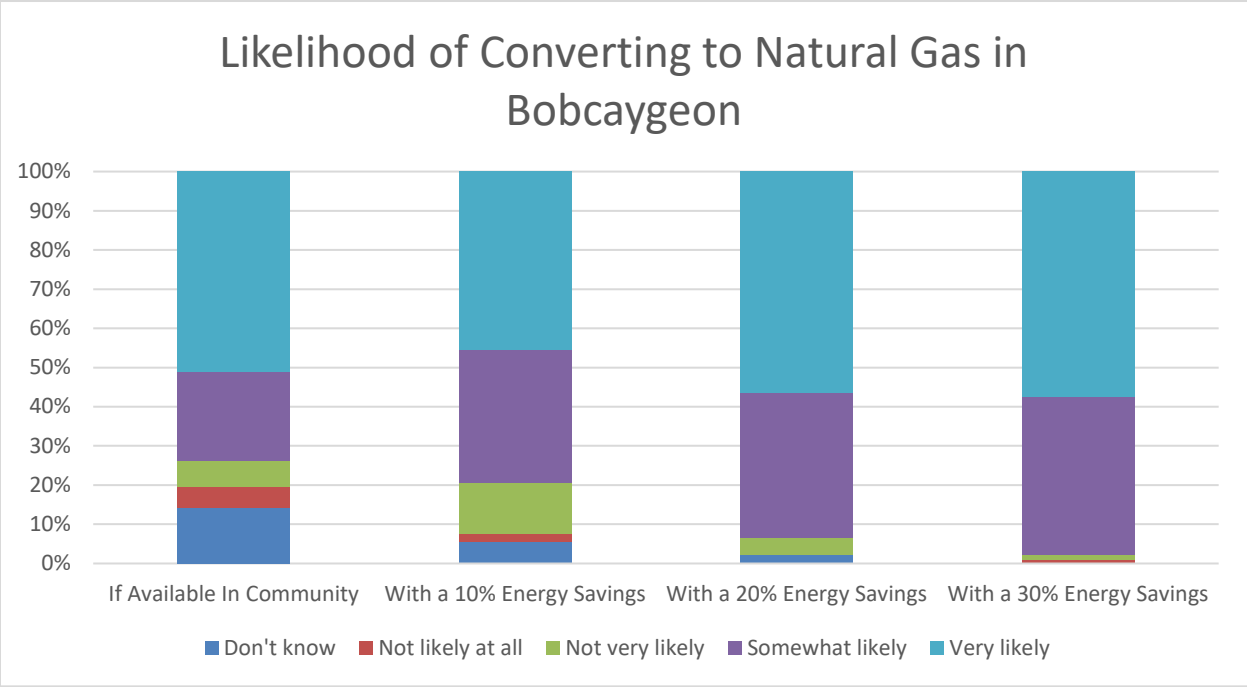
- The split between fuel sources reported by residents was fairly even for electricity (31.5%), propane (30.4%) and oil (29.3%). A small percentage of respondents (8.7%) reported using wood as a fuel source.
- Slightly more than two-thirds of respondents (68.5%) reported using a furnace/forced-air system to heat their residences. This was followed by baseboard heaters (16.3%) and fireplaces

or wood stoves (8.7%). Very few respondents reported using a boiler (2.2%) or heat pumps (3.3%).

- The majority of respondents (72.8%) reported paying $5000 or less to heat their residence in 2016. A small percentage of respondents (8.7%) reported paying more than $5000 to heat their residences in the same year, while 18.5% did not know or refused to respond.
- Just under half of the respondents (46.7%) believe they spent more on heating costs in 2016 than the previous year, 32.6% of respondents felt that their heating costs decreased. The remaining respondents did not know or refused to respond.

Likelihood of Converting to Natural Gas

- The majority of respondents (73.9%) from Bobcaygeon reported that they would be likely to convert to natural gas if it was made available in their community. Not surprisingly, the percentage of respondents likely to convert to natural gas increased as the potential cost savings increased. As depicted in the graph below, nearly all of the respondents (97.8%) reported they would be likely to convert to natural gas if the annual cost savings were 30%.



- Price and cost savings were the primary reasons cited by respondents (42.6%) who reported they would be likely to convert to natural gas if the service was made available.
- The vast majority (83.7%) of respondents would be “early-adopters” and convert to this fuel-type within the first two years the service is made available.
- Respondents who reported being unlikely to convert to natural gas cited the price/cost (81.8%) as their main reasoning.

Information Needs and Future Communication

- The costs associated with converting to natural gas (both overall at 38% and those related to installation/conversion at 9.8%) were the two most important types of information identified by respondents from Bobcaygeon.
- Very few respondents (less than 9%) expressed interest in receiving future communication if natural gas service is expanded to their community.

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FORUM
RESEARCH INC.

Natural Gas Pipeline Expansion Study –Bobcaygeon–

Research Report Prepared for: Enbridge Gas Limited

February 2022

FINAL

NATURAL GAS PIPELINE EXPANSION STUDY

Community: Bobcaygeon

About the Survey:

Enbridge Gas retained the services of Forum Research, a third party research supplier, to conduct quantitative research to ascertain interest in obtaining natural gas service amongst the residential household and commercial business populations of Bobcaygeon. The research was conducted between October 5 and 18, 2022. Surveying was conducted door-to-door and via letters distributed to residents, with follow-up online and CATI surveys. A total of 261 surveys were completed from a list of 1,990 home owners, yielding a +/- 5.7% margin of error at the 95% confidence level. The level of completes represents a 13% response rate.[1]

Key Findings:

- The research results indicate that the primary energy source of heat in the Bobcaygeon area is propane (57%). Heat pumps were counted separately from electricity, with 15% of respondents indicating this is their primary heating source, and 20% indicating another type of system powered by electricity. Oil and wood are used by some households (4% and 3% respectively). An array of residential and commercial space heating systems is used in the community. The most prevalent one is propane forced air (49%), followed by electric baseboard and air source heat pumps (12% and 11% respectively), then electric forced air (8%). The remaining households use a variety of other heating systems, mainly propane boilers (4%), propane fireplaces (4%), oil forced air (4%), geothermal or ground source heat pumps (3%), and woodstoves/fireplaces (2%).

- Likelihood to connect to natural gas was gauged over a series of questions. With the equipment conversion cost, an additional surcharge for space and water heating equipment and the federal carbon pricing program, **64% of respondents** overall are likely (extremely likely, very likely or likely) to convert their space heating systems and/or water heaters to natural gas (both space heater and water heater or space heating only).

    - Respondents likely to connect to natural gas and not already using a heat pump as their primary heating equipment, were provided with information about both the costs and benefits of switching to an air source heat pump, as an alternative to natural gas heating. After this more detailed information about air source heat pumps was communicated, **53% of respondents overall** are likely (extremely likely, very likely or likely) to convert their space heating systems and/or water heaters to natural gas (both space heater and water heater or space heating only). This includes respondents currently using a heat pump who indicated they are likely to connect to natural gas.

- Of the 64% of respondents likely to convert their space heating systems and/or water heaters to natural gas, 64% would do so within the first 12 months, 20% would convert within 1-2 years, 9% would convert within 2-3 years, and the remaining 7% would convert after 3 years.

[1] Response Rate = (Completes + Disqualified) ÷ Total Contacts. It should be noted that some of the households were seasonal, unoccupied, inaccessible, or vacant lots and were therefore not approached. This is factored into the response rate.

- The study indicates that the interest in converting to natural gas in the Bobcaygeon area is **average** (even simply considering the equipment conversion cost, the additional surcharge and the federal carbon pricing program, without the added information about air source heat pumps) compared to other potential conversion rates seen in our research across 43 Ontario communities (overall average interest in converting across the 43 communities is 68%).[1]

[1] The 43 Ontario communities included: Allenford, Astorville, Auburn, Augusta, Ayton, Ballinafad, Belwood, Benmiller,Bobcaygeon, Brennan Line (Orillia), Cedar Springs, Cedar Springs-Burlington, Cherry Valley, Edwardsburgh-Cardinal, Eganville, Elmwood, Enniskillen, Featherstone, Glendale, Grafton, Hidden Valley, Kincardine (Lucknow/Ripley), Kincardine (other communities), Kincardine Commercial (Lucknow/Ripley), Kincardine Commercial (other communities), Lambton Shores, Meaford, Milverton, Neustadt (x2), North Bay, Prince Township, Ramara, Salford, Sandford, Selwyn, Sheffield, Swiss Meadows, Turkey Point, Warwick, Washago-Orillia, Williamsford and Wroxeter Gorrie Fordwich.

Table 1. Current primary energy sources, type of system, and their likelihood to replace.

	Propane *(n=148)*	**Electric** *(n=52)*	**Heat Pump** *(n=40)*	**Oil** *(n=11)*	**Wood** *(n=8)***	**Other** *(n=2)***
Current primary energy source for heat	57%	20%	15%	4%	3%	1%
Distribution by type of system:						
Propane Forced Air	49%					
Propane Boiler	4%					
Propane Fireplace	4%					
Electric Baseboard		12%				
Electric Forced Air		8%				
Air Source Heat Pump			11%			
Geothermal or Ground Source Heat Pump			3%			
Other/Don't know			1%			
Oil Forced Air				4%		
Oil Fireplace				0+%		
Wood Stove/Fireplace					2%	
Wood Forced Air					0+%	
Outdoor Wood Furnace					0+%	
Likelihood to replace the heating system in next 2 years *	24%	25%	13%	91%	25%	50%

* At an aggregate level, 26% are likely to replace their heating system (extremely likely, very likely or likely).

Table 2. Likelihood to convert to natural gas – prior to explanation of Air Source Heat Pump alternative

Likelihood to convert:	**Total** *(n=261)*	**Propane** *(n=138)*	**Electric** *(n=52)*	**Heat Pump** *(n=40)*	**Oil** *(n=10)*	**Wood** *(n=8)***	**Other** *(n=13)*
1. Likelihood to convert to natural gas [(1)]: Top-3 Box score (Extremely likely/Very likely/Likely)	64%	83%	31%	40%	90%	50%	61%
Top-2 Box score (Extremely likely/Very likely)	41%	49%	21%	30%	60%	38%	46%
Extremely likely	23%	31%	6%	15%	20%	13%	38%
Very likely	18%	18%	15%	15%	40%	25%	8%
Likely	23%	33%	10%	10%	30%	12%	15%
2. Likelihood to convert assuming gas service availability prior to 2026[(2)]	**Total** *(n=152)*	**Propane** *(n=120)*	**Electric** *(n=16)*	**Pump N/A**	**Oil** *(n=10)*	**Wood** *(n=4)***	**Other** *(n=8)***
Within the first 12 months	64%	66%	62%	N/A	50%	50%	63%
Within 1 to 2 years	20%	20%	13%	N/A	40%	0%	12%
Within 2 to 3 years	9%	10%	0%	N/A	10%	25%	25%
After 3 years	7%	4%	25%	N/A	0%	25%	0%

* Totals may not add precisely, due to rounding. ** Extremely small base "Other" includes oil fireplace/propane fireplace

[(1)] Considering the equipment conversion cost, a surcharge for space heating equipment and the federal carbon pricing program

[(2)] Those who indicated they are likely (extremely likely, very likely or likely) to convert their space heating systems and/or water heaters to natural gas with the equipment conversion cost, a surcharge and the federal carbon pricing program

Table 3. Overall likelihood to convert to natural gas – after explanation of Air Source Heat Pump alternative

Likelihood to convert:	Total *(n=261)*	Propane *(n=138)*	Electric *(n=52)*	Heat Pump *(n=40)*	Oil *(n=10)*	Wood *(n=8)***	Other *(n=13)*
1. Likelihood to convert to natural gas [(1)]: Top-3 Box score (Extremely likely/Very likely/Likely)	53%	64%	29%	40%	80%	38%	54%
Top-2 Box score (Extremely likely/Very likely)	30%	37%	12%	30%	40%	13%	39%
Extremely likely	16%	20%	4%	15%	20%	0%	31%
Very likely	14%	17%	8%	15%	20%	13%	8%
Likely	23%	27%	17%	10%	40%	25%	15%

* Totals may not add precisely, due to rounding. ** Extremely small base "Other" includes oil fireplace/propane fireplace

[(1)] Considering the equipment conversion cost, a surcharge for space heating equipment, the federal carbon pricing program, and information about air source heat pumps

Table 4. Knowledge of heat pumps
(base = those who do not use heat pumps as an energy source =221).

Total: Knowledgeable	**69%**
Very knowledgeable	18%
Somewhat knowledgeable	51%
Not Knowledgeable	**31%**
Not very knowledgeable	31%
Never heard of it	0%

*Knowledge is higher among those: with newer heating systems, with bungalows/raised ranch, with lower heating costs, likely to replace their heating systems in the next 2 years, who occupy their homes year-round

Table 5. Likelihood to seek out more information about heat pumps
(base = those who do not use heat pumps as an energy source =221).

Likelihood to seek more information Top-3 Box score (Extremely likely/Very likely/Likely)	**43%**
Top-2 Box score (Extremely likely/Very likely)	**21%**
Extremely likely	10%
Very likely	11%
Likely	22%
Not likely to seek more information	**50%**
Not very likely	29%
Not at all likely	21%
Don't know	**7%**

*Likelihood is higher among those: with older heating systems, likely to replace their heating systems in the next 2 years, with bungalows, with larger houses, with lower heating costs, younger people

Table 7: Water heating *(base = all respondents).*

	Total *(n=261)*	**Electric** *(n=200)*	**Propane** *(n=53)*	**Oil** *(n=3)***	**Heat Pump** *(n=2)***	**Wood/ Other** *(n=3)***
1. Penetration		77%	20%	1%	1%	1%
2. Own water heater	90%	89%	96%	100%	100%	100%
3. Likelihood to convert to natural gas: Top-3 Box score (Extremely likely/Very likely/Likely)	44%	37%	72%	33%	50%	50%
Extremely likely	15%	10%	34%	33%	0%	50%
Very likely	12%	11%	17%	0%	50%	0%
Likely	17%	17%	21%	0%	0%	0%

* Totals may not add precisely, due to rounding. ** Extremely small base.

Community demographics:

One storey houses make up the majority of homes in the Bobcaygeon area, accounting for 60% of all respondent households. The average house size is 1,908 square feet and 57% of the houses were built in 1980 or later. The majority of the homes in the survey sample are used year-round (80%). Community demographics are shown below in Table 8.

Table 8: Demographics (*base = all "residence" respondents = 254*).

Building Type:			**Age of respondent:**	
Bungalow/One storey ranch	60%		*18 to 34 years*	2%
Two storey	17%		*35 to 44 years*	7%
Split level	9%		*45 to 54 years*	7%
Raised ranch	8%		*55 to 64 years*	21%
Other	6%		*65+ years*	57%
			Refused	6%
Approximate size of home (in sq. feet):			**Number of adults 18 years or older living in house:**	
Less than 1,000 (93 Sq. meters)	4%		*1-2*	83%
1,000 to 1,499 (94 To 139 Sq. Meters)	31%		*3+*	13%
1,500 to 1,999 (140 To 185 Sq. Meters)	28%		**No. of children 17 years or younger living in house:**	
2,000 to 2,499 (186 To 232 Sq. Meters)	13%		*0*	77%
2,500 to 2,999 (233 To 278 Sq. Meters)	5%		*1-2*	10%
3,000 or more (279 Sq. Meters Or More)	12%		*3+*	2%
Don't know	8%		*Refused*	11%
Average size	**1,908 sq. ft.**		**Total Household Income:**	
Occupancy of Dwelling:			*Less than $40,000*	8%
All-year round	80%		*40,000 to $79,999*	24%
Mostly in the summer	8%		*$80,000 or more*	34%
Mostly in the winter	0%		*Refused*	34%
Occasionally year round	12%			
Age of home:				
0 to 42 years (built 1980 or later)	57%			
43 to 72 years (built between 1950-1979)	31%			
73+ years (built before 1950)	5%			
Don't know/not stated	7%			

* Totals may not add to 100% due to rounding and/or the exclusion of "don't know" or "refused" responses.

December 14, 2021

Ashley Crites, Project Manager
Enbridge Gas Inc.
500 Consumers Road
North York, ON
M2J 1P8

SUBJECT: Use of City of Kawartha Lakes 2015 Draft Submission Plan Data Enbridge System Expansion Project Justification, Bobcaygeon

---

Dear Ms. Crites,

On behalf of the City of Kawartha Lakes, thank you for the opportunity to meet with our team on August 16th to provide an overview of the proposed Bobcaygeon System Expansion Project.

In an effort to assist with the forecasted future growth within the 10-year project forecast (2034), we are pleased to see that Enbridge has been referencing the City of Kawartha Lakes 2015 Draft Subdivision Plan as set out in the enclosed attachment.

This letter will confirm that the 2015 City of Kawartha Lakes Plan is the most up to date reference as we work towards preparing the update to the Growth Management Plan over the next couple of years. Furthermore, we encourage Enbridge to continue to work off this 2015 plan to ensure the developments set out are captured and included in Enbridge's project growth forecast.

As mentioned above, the City is presently updating its growth management plan and we understand there may be some changes or fluctuations as the project progresses during the 10-year attachment forecast of the project. As such, my team and I look forward to continued discussions with the Enbridge Bobcaygeon System Expansion Team to ensure a successful project outcome.

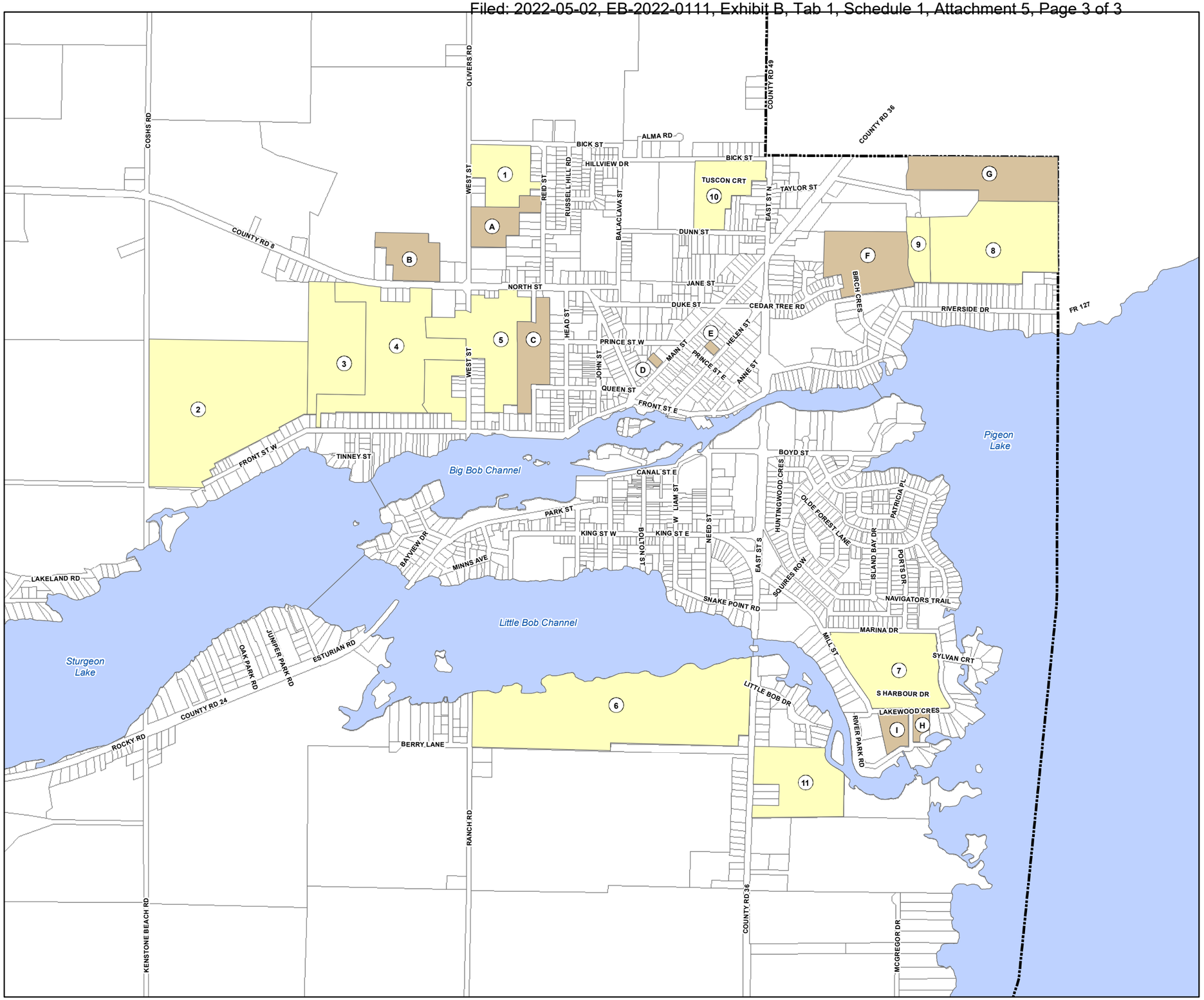
Please don't hesitate to contact me with any questions you may have.

Sincerely,

Richard Holy, RPP, MCIP
(Acting) Director of Development Services

Cc: Mayor Letham, Deputy Mayor O'Reilly, Councillor Yeo, Councillor Seymour-Fagan, Councillor Elmslie, Councillor Veale, Councillor Dunn, Councillor Ashmore, Councillor Richardson.
Ron Taylor, CAO
Juan Rojas, Director of Engineering and Corporate Assets
Leah Barrie, (Acting) Manager of Planning

Enc: Bobcaygeon – City of Kawartha Lakes 2015 Subdivision Plan



Potential Residential Development

Bobcaygeon
City of Kawartha Lakes

1:16,100

0 175 350 700 1,050
Meters

Legend

- City of Kawartha Lakes Boundary
- Residential Greenfield Area
- Residential Intensification Area

Residential Greenfield Area

ID	Name	Status	Area	Single	Semi	Towns	Apartments
1			5.7	68	0	12	0
2		Concept	37.6	447	0	79	0
3		Concept	11.7	140	0	24	0
4	Rokeby	Draft Aproved	16.3	221	0	40	261
5		Concept	15.3	182	0	32	0
6	Bobcaygeon Shores	Draft Aproved	32	271	0	0	0
7	Port 32	Registered	12.6	93	0	0	0
8	Biglieri Group	Proposal	16.5	240	0	0	0
9	Bobcaygeon Heights	Proposal	2.5	29	0	0	0
10	Arizona Heights	Draft Aproved	6	63	0	0	0
11	Biglieri Group	Pending	10.2	0	0	0	304

Residential Intensification Area

ID	Name	Status	Area(ha)	Single	Semi	Towns	Apartments
A			3.8	45	0	8	0
B			4.5	54	0	9	0
C			4.5	54	0	9	0
D			0.2	0	0	6	0
E			0.2	0	0	4	0
F	Bobcaygeon Heights	Registered	8.5	92	20	0	0
G			10.4	123	0	22	0
H			0.8	0	0	26	0
I	TRP	Proposal	1.6	0	0	0	60

Coordinate System: NAD 1983 UTM Zone 17N

Revision Dates: 08/26/2015

KAWARTHA LAKES

Map produced by the City of Kawartha Lakes Mapping & GIS Division with data obtained under license. Reproduction without permission is prohibited.

All distances and locations are approximate and are not of survey quality. This Map is illustrative only. Do not rely on it as being a precise indicator of privately Or publicity owned land, routes, locations or features, nor as a guide to navigate.

Drawn By: Mapping & GIS

Date:21/12/2011

Plotted: 8/27/2015

Path: Q:\Mapping\Mapping Projects\Subdivision Development\Draft Subdivisions_Bobcaygeon.mxd

APEX
development group

Reaching new heights

January 6, 2023

Re: Support for Bobcaygeon Enbridge Expansion – Iris Grove Community

Hello Don,

On behalf of Apex Development Group, we are in full support of the expansion of Enbridge Natural Gas to the Bobcaygeon community and in particular our project, Iris Grove. The residents will benefit greatly from the consistent supply and cost of the product. We have made provisions within our home design servicing and mechanical equipment to further promote conversion to natural gas by our homeowners when it is available.

We are commencing utility designs for the subdivision for final submission to the city. We invite feedback regarding the design, if possible, from Enbridge to aid in the implementation of the new gas service for future installation. Looking forward to working together to improve the Bobcaygeon community.

Sincerely,

Michael Spinosa
President
michael@apexdevelopmentgroup.ca

MARSHALL
HOMES

November 15, 2022

Dear Ms. Fazari,

Re: Expression of Support for Bobcaygeon Community Expansion Project in City of Kawartha Lakes

Enbridge Gas has prepared and submitted a Leave-to-Construct (LTC) application to the Ontario Energy Board (OEB) for the Bobcaygeon Community Expansion Project.

This project will provide natural gas access to nearly 4,000 forecasted customers in our community over 10 years, which will give area residents a reliable, affordable option for their energy needs.

On behalf of Marshall Homes and Port 32 Inc., by way of this letter, I am providing written support for this project, and anticipate it will be included in Enbridge's submission files.

We look forward to working together on this project.

Sincerely,

Craig Marshall
President
Port 32 Inc.
City of Kawartha Lakes

Tel. (905) 420-1500
craig@marshallhomes.ca

KING WHARF ESTATES
BY CHARRON HOMES

January 31, 2023

Dear Enbridge Gas

Re: Expression of Support for Bobcaygeon Community Expansion Project in City of Kawartha Lakes

Enbridge Gas has prepared and submitted a Leave-to-Construct (LTC) application to the Ontario Energy Board (OEB) for the Bobcaygeon Community Expansion Project.

This project will provide natural gas access to nearly 4,000 forecasted customers in our community over 10 years, which will give area residents a reliable, affordable option for their energy needs.

On behalf of **Charron Homes**, by way of this letter, I am providing written support for this project, and intend to connect roughly 21 estate lots/dwellings to natural gas.

I understand this letter may be included together with other such letters of support for the project as part of Enbridge's application to the OEB. -

We look forward to working together on this project.

Sincerely,

Paul Charron

Mr. Paul Charron
Developer/Builder
Kings Wharf Estates Bobcaygeon
Phone: 705-340-8209
2218 Pigeon Lake Rd
Bobcaygeon, ON

Elm Bobcaygeon (2018) Inc

January 23,2023

Dear Enbridge Gas

Re: Expression of Support for Bobcaygeon Community Expansion Project in The City of Kawatha Lakes.

Enbridge Gas has prepared and submitted a Leave-to-Construct (LTC) application to the Ontario Energy Board (OEB) for the Bobcaygeon Community Expansion Project.

This will provide natural gas access to nearly 4,000 forecasted customers in our community over 10 years, which will give area residents a reliable ,affordable option for their energy needs.

On behalf of **Elm Bobcaygeon (2018) Inc** by the way of this letter, I am providing written support for this project, and intend to connect roughly 70 lots to natural gas.

I understand this letter may be included with other such letters of support for the project as part of Enbridge's application to the OEB.

We look forward to working together on this project.

Sincerely yours,

Elm Bobcaygeon (2018) Inc

Lochlyn Landing

905-709-8232 ext. 31

1931 Highway #7

Concord, Ontario

L4k 1V5

Three Lakes Development Inc
Head Office: 102-4275 Village Centre Court, Mississauga, ON, L4Z 1V3, ON
Site Office: 255 Front St W, Bobcaygeon, City of Kawartha Lakes, K0M 1A0,ON
Sales Office: 71 Bolton St, Bobcaygeon, City of Kawartha Lakes, K0M 1A0, ON
Contracts Office: 221 Helen Ave, Unionville, Markham, L3R 1J7, ON

THREE LAKES
DEVELOPMENT

The STARS IN BOBCAYGEON

January 6, 2023

Don J Armitage
Sr. Analyst New Construction / Community Expansion
ENBRIDGE
don.armitage@enbridge.com

Dear Enbridge Gas,

Re: Expression of Support for Bobcaygeon Community Expansion Project in City of Kawartha Lakes

Enbridge Gas has prepared and submitted a Leave-to-Construct (LTC) application to the Ontario Energy Board (OEB) for the Bobcaygeon Community Expansion Project.

This project will provide natural gas access to nearly 4,000 future customers in our community over 10 years, which will give area residents a reliable, affordable option for their energy needs.

On behalf of Three Lakes Developments (formally Rokeby), by way of this letter, I am providing written support for this project, and intend to connect roughly 250 dwellings to natural gas.

I understand this letter may be included together with other such letters of support for the project as part of Enbridge's application to the OEB.

We look forward to working together on this project.

Muhammad Saad Saleem
Director
647-850-7717

[DATE], 2021

[NAME]
[ADDRESS]
Bobcaygeon, ON
[POSTAL CODE]

Greetings

Re: Commercial Natural Gas Community Expansion Survey

We're excited to be bringing clean, reliable, and safe natural gas service to Bobcaygon, as recently announced as part of the Ontario Government's Natural Gas Expansion Program. To ensure we design a distribution system that meets the needs of Bobcaygeon, we are enquiring about the energy requirements of the area's largest potential consumers.

I am reaching out to you in hopes you can complete a short two-minute survey of your current energy use. This is not an application for natural gas, nor is it a commitment to convert your facility to natural gas when it becomes available. It is an informational survey to help us ensure we design a system that is appropriate for the area's needs.

If you have any questions about the project or completing the survey, please contact me. You can return a hard copy of the completed survey in the postage-paid envelope or send a picture or scan of the survey to [EMAIL]. Even if you are not interested in converting, this information will be helpful, and we ask that you consider completing the survey.

Natural gas can provide significant operational savings over competing fuels, however you may wish to plan early and budget for your anticipated conversion costs in the years ahead. We are anticipating some areas of Bobcaygeon will have access to natural gas in 2025 contingent on regulatory permits and approvals.

Thank you in advance, your participation is greatly appreciated.

Sincerely,

[SIGNATURE]
Enbridge Gas Inc.
[PHONE]
[EMAIL]

Commercial Natural Gas Community Expansion Survey

ENBRIDGE Life Takes Energy

Your address was identified on a potential pipeline route for an Enbridge Gas natural gas expansion project. The results of this survey will help us determine your interest in using natural gas for system planning purposes. Please note this form is not an application for natural gas and does not guarantee inclusion as part of the proposed scope. Completing this survey does not imply obligation or commitment on your part to convert your business to natural gas.

Name: ☐ Owner ☐ Tenant

Business name: Email:

Civic number: Street name: PO Box:

City/town: Province: Postal code:

Primary phone number: Secondary phone number:

1. Type of business?

☐ Retail ☐ Office ☐ Restaurant ☐ Other Please specify:

2. What equipment do you currently use?

Equipment type	Current fuel type	Number of units	Input BTU/h rating	Avg. use hours/days	Age (if known)	Interested in converting	Usage seasonal/ year round
Boiler (steam)						☐ Yes ☐ No	
Boiler (water)						☐ Yes ☐ No	
Furnace						☐ Yes ☐ No	
Water heater(s)						☐ Yes ☐ No	
Unit heaters						☐ Yes ☐ No	
Rooftop						☐ Yes ☐ No	
Cooking						☐ Yes ☐ No	
Make up air unit						☐ Yes ☐ No	
Generators						☐ Yes ☐ No	
Process load/ other						☐ Yes ☐ No	

3. What are your annual heating costs and/or consumption (approximately)?

Electricity $ / annually / annual kWh

Oil heating $ / annually / annual litres

Propane $ / annually / annual litres

Commercial Natural Gas Community Expansion Survey

4. What is the square footage of your business/facility? _____ sq. ft.

5. If a natural gas pipeline were installed in your area, would you be interested in converting your heating system to natural gas?

☐ Yes ☐ No

If you are interested and if gas is in front of your business by end of 2025, how soon after would you convert your system to natural gas?

☐ Within a year ☐ 1 to 2 years ☐ 2 to 4 years ☐ 5+ years

If you answered no, please give a brief explanation as to why.

6. Please indicate additional appliances you would be interested in converting to natural gas?

☐ Water heater ☐ Patio heater ☐ Gas cooking ☐ Barbecue ☐ Pool heater

☐ Other Please specify: _____

Thank you for taking the time to provide us with this information.

Please return your completed survey to Don Armitage.

The form can be completed and submitted by email to **don.armitage@enbridge.com** as an email attachment.

If you have any questions, don't hesitate to reach out to **Don Armitage** at **705-270-6255**.

yes you can!

ENBRIDGE

say **yes** to natural gas! **Expansion Survey** | Commercial

The results of this survey will help us determine your interest in using natural gas. Your response will be instrumental in our decision to extend our pipeline to your area. Completing this confidential survey implies no obligation or commitment on your part to convert your business to natural gas.

Name: _____ Owner ☐ Tenant ☐

Business Name: _____

Civic: _____ Street name: _____ PO Box: _____

City/Town: _____ Province: _____ Postal Code:_____

Telephone: Business: ( ) _____

1. Type of Business?

☐ Retail ☐ Office ☐ Restaurant ☐ Other _____
(please specify)

2. What equipment do you currently use?

Equipment Type	Fuel Type	Input (BTU's)	Make	Age	Interested in Converting
Boiler (steam)					☐ Yes ☐ No
Boiler (water)					☐ Yes ☐ No
Furnace					☐ Yes ☐ No
Water Heaters					☐ Yes ☐ No
Unit Heaters					☐ Yes ☐ No
Rooftop					☐ Yes ☐ No
Cooking					☐ Yes ☐ No
Make up Air					☐ Yes ☐ No
Other					☐ Yes ☐ No

over...

yes you can!

ENBRIDGE

3. What are your annual heating costs and/or consumption (approximately)?

Electricity	$ _____ / annually	_____ / annual kWh
Oil Heating	$ _____ / annually	_____ / annual litres
Propane	$ _____ / annually	_____ / annual litres

4. What is the square footage of your business/facility? _____ sq. ft.

5. If a natural gas pipeline were installed in your area, would you be interested in converting your heating system to natural gas?

☐ Yes ☐ No

If you are interested and say YES, how soon after the pipeline construction is completed would you convert your heating system to natural gas?

☐ 1st year ☐ 2nd year ☐ 3rd year ☐ 4th year ☐ 5th year

If you answered no, please give a brief explanation as to why.

6. Would you be interested in natural gas for any of the following other appliances?

☐ Water Heater ☐ Fireplace ☐ Gas Cooking ☐ Barbecue

☐ Pool Heater ☐ Patio Heater ☐ Campfire ☐ Gas Lamp

If YES, how soon after the pipeline construction is completed would you convert the appliances you are interested in to natural gas?

☐ 1st year ☐ 2nd year ☐ 3rd year ☐ 4th year ☐ 5th year

Thank you for taking the time to provide us with this information. Please return your completed survey in the pre-paid envelope provided or fax to _____ .

Signature: _____ Date: _____

Visit us at www.enbridge.com/gas

Privacy Commitment: At Enbridge Gas Distribution, we are committed to providing excellent service and to ensuring that our relationship with you is conducted with integrity and in a responsible, fair, honest and ethical manner. The personal information that you are providing to us will be kept confidential and will only be used to determine the feasibility of expanding the Company's natural gas system to your community. Questions about this survey or our Privacy Policy can be directed to Enbridge Gas Distribution, P.O. Box 650, Scarborough, ON M1K 5E3.

ALTERNATIVES

Integrated Resource Planning Alternatives

1. The Decision and Order for Enbridge Gas's Integrated Resource Planning Framework Proposal (EB-2020-0091) was issued on July 22, 2021. This decision was accompanied by an Integrated Resource Planning Framework for Enbridge Gas ("IRP Framework").[1] The IRP Framework provides guidance from the OEB about the nature, timing and content of IRP considerations for future identified system needs. The IRP Framework provides Binary Screening Criteria in order to focus IRP assessments on identified system needs where there is reasonable expectation that an IRP alternative could efficiently and economically meet that need.

2. Accordingly, Enbridge Gas applied the IRP Binary Screening Criteria and determined this Project meets the definition of a community expansion project, as defined in the IRP Framework, as the Project has been approved by the Government of Ontario for funding as part of the Phase 2 NGEP, to provide access to natural gas distribution services in the communities of Bobcaygeon and the City of Kawartha Lakes. The IRP Framework explains that "Given the goal of the Ontario Government's Access to Natural Gas legislation to extend gas service to designated communities, the OEB will not require Enbridge Gas to develop an IRP Plan or consider alternatives to the infrastructure facilities to meet this need."[2]

3. Consequently, per IRP Binary Screening Criteria (iv) the need underpinning the Project does not warrant further IRP consideration or assessment:

[1] EB-2020-0091, Decision and Order, July 22, 2021, Appendix A
[2] Ibid., p. 10

> **iv. Community Expansion & Economic Development** – If a facility project has been driven by government legislation or policy with related funding explicitly aimed at delivering natural gas into communities, then an IRP evaluation is not required.[3]

Facility Alternatives

4. As discussed in Exhibit B, the Project was designed in response to the Government of Ontario's *Access to Natural Gas Act, 2018* and NGEP (Phase 2) which called for communities and natural gas distributors to work together to expand access to natural gas in unserved areas of Ontario. Accordingly, a description of the proposed Project (including preliminary factility design and estimated Project costs) was submitted to the OEB and the Government of Ontario. On the basis of this proposal on June 9, 2021, the Government of Ontario announced that the Project (along with 27 others) was selected for funding under Phase 2 of the NGEP.

5. Considering that the proposed Project was previously reviewed and approved by the Government of Ontario and the OEB for the purposes of granting funding under Phase 2 of the NGEP, Enbridge Gas did not assess other facility alternatives. However, the Company did assess routing alternatives, as discussed in section 4.4 of the Environmental Report ("ER") set out as Attachment 1 to Exhibit F.

[3] Ibid., p.10

PROPOSED PROJECT, ENGINEERING AND CONSTRUCTION

Proposed Project

1. As described in Exhibit B, the Project is composed of: i) the Supply Lateral, ii) the Reinforcement Pipeline and iii) Ancillary Facilities. /U

2. The **Supply Lateral** begins near Cowan's Drive and Peace Road, and ends near the intersection of Highway 36 and Duke Street. It consists of approximately 25 km of NPS 6 inch XHP ST natural gas pipeline, 2 km of NPS 6 inch HPPE natural gas pipeline, and approximately 1 km of NPS 6 inch HP ST natural gas pipeline in the City of Kawartha Lakes. The Supply Lateral will be installed in two phases, both of which have estimated in-service dates of January 2025. Design specifications are detailed below. /U

3. The **Reinforcement Pipeline** begins near the intersection of Cottingham Road and Emily Park Road and ends at Emily Park Road and Stewart Line. It consists of approximately 8 km of NPS 6 inch XHP ST natural gas pipeline. The Reinforcement Pipeline has an estimated in-service date of September 2026. Design specifications are set out below. /U

4. The **Ancillary Facilities** include: 6 regulator stations, approximately 75 km of distribution mains, and customer services /U

5. The route and location for the proposed facilities associated with the Project were selected by an independent environmental consultant through the process outlined in the Ontario Energy Board's "*Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario*" (7th

6. Edition, 2016) (the "Guidelines").[1] Input from the public was sought during the route selection process and was incorporated into the final route design. Details on the route selection and the Environmental and Socio-Economic Impact Assessment of the proposed facilities can be found in the Environmental Report found at Attachment 1 to Exhibit F.

Project Construction

1. Enbridge Gas will ensure that all piping components for the Project will be designed, installed and tested in accordance with specifications outlined in Enbridge Gas's Construction and Maintenance Manual ("Specifications"). This manual meets or exceeds the requirements of *CSA Z662 – Oil and Gas Pipeline System* standard and *Ontario Regulation 210/01, Oil and Gas Pipeline Systems*.

2. Enbridge Gas will construct the Project using qualified construction contractors and Enbridge Gas employees. Each of these groups will follow approved construction Specifications which will be updated to reflect site-specific conditions for the Project as per the findings in the Environmental Report and the Environmental Protection Plan (as applicable) discussed at Exhibit F. All construction, installation and testing of the Project will be witnessed and certified by a valid Gas Pipeline Inspection Certificate Holder.

3. Pipe may be installed using either the trench method or the trenchless method, or a combination of both. Restoration and monitoring will be conducted to ensure successful environmental mitigation for the Project

[1] The OEB released the 8th Edition of the Guidelines in March 2023 after the initiation, consultation and finalization of the Bobcaygeon Community Expansion Project and associated Environmental Report.

/U

4. Pipeline construction is divided into several crews that create a mobile assembly line. Each crew performs a different function, with a finished product left behind when the last crew has completed its work.

5. Contractors are required to erect safety barricades, fences, signs or flashers, or to use flag persons as may be appropriate, around any excavation across or along a road.

6. Construction of the pipeline includes the following activities:

(a) Locating Running Line

7. The location where the pipeline is to be installed (the running line) is established initially. For pipelines within road allowances, the adjacent property lines are identified and the running line is set at a specified distance from the property line. For pipelines located on private easement, the easement is surveyed and the running line is set at the specified distance from the edge of the easement. The distance from the start of the pipeline (or other suitable point) is marked on the pipeline stakes and the drawings.

(b) Clearing and Grading

8. The right-of-way is prepared for the construction of the pipeline. When required, bushes, trees and crops are removed and the ground is leveled. When required, the topsoil is stripped and stored, and/or sod is lifted.

(c) Stringing

9. The joints of pipe are laid end-to-end on supports that keep the pipe off the ground to prevent damage to the pipe coating.

(d) Welding

10. The pipe is welded/fused into manageable lengths. The welds in steel pipe are radiographically inspected and the welds are coated.

(e) Installation

11. Pipe may be installed using either the trench method or the trenchless method. All utilities that will be crossed or paralleled by the pipeline within the identified construction area will be located by the appropriate utility owner prior to installing the pipeline. Prior to construction, all such utilities will be hand-located or hydro vacuumed to identify their location.

12. *Trench Method*: Trenching is done by using a trenching machine, backhoe or excavator depending upon the ground conditions. Provisions are made to allow residents access to their property, as required. All drainage tiles that are cut during the trench excavation are flagged to signify that a repair will be required. All tiles are measured and recorded as to size, depth, type and quality and this information is kept on file. For steel pipe the pipe coating is then inspected and tested using a high voltage electrical tester as the pipe is lowered into the trench. If any defects in the coating are found, the pipe is pulled back and all defects are repaired before the pipe is lowered back into the trench.

13. *Rock Excavation*: Rock in solid beds or masses will be fractured and removed using either a Hoe Ram and/or an *approved* blasting method. The blasting will be permitted in accordance with Enbridge Gas's construction procedures and the federal *Explosives Act*. The contractor shall obtain all necessary permits and shall comply with all legal requirements in connection with the use, storage and

transportation of explosives as well as abiding by Enbridge Gas Specifications for rock excavation.

14. *Trenchless Method*: *Trenchless* methods are alternate methods used to install pipelines under railways, roads, sidewalks, trees and environmentally sensitive areas and water courses. One of the trenchless methods proposed for this Project is directional drilling. This method involves setting up a receiving hole and an exit hole, drilling a pilot hole on the design path, reaming the pilot hole larger by passing a cutting tool and pulling the pipe back through the bored hole. Other common methods are boring and ploughing which may also be utilized in the installation of the Project.

(f) Tie-Ins

15. The sections of pipelines that have been buried using either the trench or trenchless *method* are joined together (tied-in).

(g) Cleaning and Testing

16. To complete the construction, the pipeline is cleaned, hydrostatically tested with water in accordance with Enbridge Gas Specifications, dewatered and placed into service.

(h) Backfilling and Restoration

17. The final construction activity is restoration of lands. The work area is backfilled and leveled, sod is replaced in lawn areas and other grassed areas are re-seeded. After the trench is backfilled, drainage tile is repaired as applicable. Where required, concrete, asphalt and gravel are replaced and all areas affected by the construction of the pipeline are returned to as close to original condition as

possible. As a guide to show the original condition of the area, photos and/or a video will be taken before any work commences. When the clean-up is completed, the approval of landowners or appropriate government authority is obtained.

Design Specifications & Testing Procedures

18. The design specifications for the Project are provided in Tables 1 to 4 below. Testing procedures for the Project are discussed below.

Table 1: NPS 6 XHP ST Pipeline Design Specifications
(Supply Lateral + Reinforcement)

/U

Description	Design Specification	Unit
External Diameter (OD)	168.3	mm
Wall Thickness	4.78	mm
Pipe Grade	359	MPa
Material Specification	C.S.A. Standard Z245.1 or API 5L, latest editions	-
Material Toughness	Cat. I, M5C	-
Coating Type	Dual Fusion Bond Epoxy (Abrasion-Resistant Overcoat) and Yellow Jacket	
Material Designation	Carbon Steel	-
Cathodic Protection	Galvanic System (Corrosion Operating Standard, Galvanic Anode Installation Procedure)	
Fittings	CSA Z245.11-17	-
Flanges	CSA Z245.12-17	-
Valves	CSA Z245.15-17	-
Class Location	4	-
Design Pressure (DP)	4,500	kPa
Hoop Stress at Design Pressure per % SMYS	28.8%	-
Maximum Operating Pressure (MOP)	2,758	kPa
Hoop Stress at MOP per % SMYS	17.7%	-
Minimum Depth of Cover	0.9	m
Method of Construction	Horizontal Directional Drilling / Open Cut	-
Strength Test Data		
Test Medium	Water	-
Test Pressure (Min/Max)	6,300/6,750	kPa
Hoop Stress at Strength Test per % SMYS	43.2%	-
Test Duration	4	Hrs
Leak Test Data		
Test Medium	Water	-
Test Pressure (Min/Max)	4,950/6,300	kPa
Hoop Stress at Leak Test per % SMYS	40.4%	-
Test Duration	4	Hrs

19. The NPS 6 XHP ST pipeline(s) will be strength tested after installation, for a duration of four hours. The strength test will use water as the test medium at pressures between 6,300 and 6,750 kPa (1.4 – 1.5x Design Pressure). This

corresponds to a maximum 43.2% Specified Minimum Yield Stress ("SMYS") during the strength test.

20. Next, the NPS 6 XHP ST pipeline(s) will be leak tested, for a duration of four hours. The leak test will use water as the test medium at a pressure between 4,950 and 6,300 kPa (1.1 to 1.4x Design Pressure). This corresponds to a maximum 40.4% SMYS during the leak test.

Table 2: NPS 6 HP ST Pipeline Design Specifications
(Supply Lateral)

Description	Design Specification	Unit
External Diameter (OD)	168.3	mm
Wall Thickness	4.78	mm
Pipe Grade	359	MPa
Material Specification	Steel, C.S.A. Standard Z245.1 or API 5L , latest editions	-
Material Toughness	Cat. I, M5C	-
Coating Type	Dual Fusion Bond Epoxy (Abrasion-Resistant Overcoat) and Yellow Jacket	
Material Designation	Carbon Steel	-
Cathodic Protection	Galvanic System (Corrosion Operating Standard, Galvanic Anode Installation Procedure)	
Fittings	CSA Z245.11-17	-
Flanges	CSA Z245.12-17	-
Valves	CSA Z245.15-17	-
Class Location	4	-
Design Pressure (DP)	1,200	kPa
Hoop Stress at Design Pressure per % SMYS	7.7%	-
Maximum Operating Pressure (MOP)	690	kPa
Hoop Stress at MOP per % SMYS	4.4%	-
Minimum Depth of Cover	0.9	m
Method of Construction	Horizontal Directional Drilling	-
Strength Test Data		
Test Medium	Water	-
Test Pressure (Min / Max)	1,680/1,800	kPa
Hoop Stress at Strength Test per % SMYS	11.5%	-
Test Duration	4	Hrs
Leak Test Data		
Test Medium	Water	-
Test Pressure (Min / Max)	1,320/1,680	kPa
Hoop Stress at Leak Test per % SMYS	10.8%	-
Test Duration	4	Hrs

21. The NPS 6 HP ST pipeline(s) will be strength tested after installation, for a duration of four hours. The strength test will use water as the test medium at pressures between 1,680 and 1,800 kPa (1.4 – 1.5x Design Pressure). This corresponds to a maximum 11.5% SMYS during the strength test.

22. Next, the NPS 6 HP ST pipeline(s) will be leak tested, for a duration of four hours. The leak test will use water as the test medium at a pressure between 1,320 and 1,680 kPa (1.1 to 1.4x Design Pressure). This corresponds to a maximum 10.8% SMYS during the leak test.

Table 3: NPS 6 HPPE Pipeline Design Specifications
(Supply Lateral)

Description	**Design Specification**	**Unit**
External Diameter (OD)	168.3	mm
Wall Thickness	15.3	mm
Pipe Grade	8.62	MPa
Material Specification	C.S.A. Standard B137.4, latest edition	-
Material Toughness	SDR 11	-
Coating Type	N/A	
Material Designation	Medium Density PE	-
Cathodic Protection	N/A	
Fittings	CSA B137.4-17	-
Flanges	N/A	-
Valves	CSA B16.40-19	-
Class Location	4	-
Design Pressure (DP)	690	kPa
Hoop Stress at Design Pressure per % HDB	44.0%	-
Maximum Operating Pressure (MOP)	690	kPa
Hoop Stress at MOP per % HDB	44.0%	-
Minimum Depth of Cover	0.9	m
Method of Construction	Horizontal Directional Drilling / Open Cut	-
Leak Test Data		
Test Medium	Water	-
Test Pressure (Min / Max)	966/1,050	kPa
Hoop Stress at Leak Test per % HDS	28.1%	-
Test Duration	4	Hrs

23. The NPS 6 HPPE pipeline(s) will be leak tested after installation, for a duration of four hours. The leak test will use water as the test medium at a pressure between

966 and 1,050 kPa (minimum based on 1.4x Design Pressure). This corresponds to a maximum 28.1% Hydrostatic Design Basis ("HDB") during the leak test.

TSSA Correspondance

24. Enbridge Gas has received a letter from the Technical Standards & Safety Authority ("TSSA") indicating that they have completed their review of the design for the proposed facilities and found them to be compliant with the requirements of CSA Z662. This correspondence can be found as Attachment 1 to this Exhibit.

Timing

25. Construction of the proposed Project will be segmented in order to construct, energize, and commission the pipeline in an efficient and safe manner, and to be able to begin connecting residences and businesses as early as January 2025. /U

26. As discussed in Exhibit B, the **Supply Lateral** to Bobcaygeon will be constructed and energized in two phases. Both Phase 1 and Phase 2 will be constructed in 2024 and are projected to be placed into service by January 2025. The **Reinforcement Pipeline** will be constructed in 2026 and is projected to be placed into service by September 2026. A detailed Project Schedule is set out at Exhibit D, Tab 1, Schedule 2. /U

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

January 06, 2022

Re: Bobcaygeon Community Expansion Project- TSSA file SR# 2940002

The applicable regulation that applies to Bobcaygeon Community Expansion Project is Ontario Regulation 210/01: Oil and Gas Pipeline Systems. The applicable standard for this project is CSA Z662-19 which TSSA adopted under FS-533-20 - Oil and Gas Pipelines CAD Amendment. The mentioned Code Adoption Documents (CAD) specifies the standards that are adopted by TSSA and any changes or addition to the requirements of CSA Z662-19.

TSSA audits all utility companies that are licensed to distribute "gas" in the province of Ontario. TSSA also reviews and audits all new pipeline projects that are submitted to OEB for leave to construct. The review of the new pipeline projects submitted to OEB consist of reviewing the technical aspect of the project and focused on compliance to the adopted standards and O.Reg.210/01. TSSA has authority to issue order to operator for any non-compliances to the regulation and\or adopted standards.

This project so far has been reviewed on the technical aspects of the project including design, material specification, wall thickness calculation and stress on the pipe wall thickness on the maximum operating pressure. TSSA did not find any non-compliances to the regulation or the adopted standard.

TSSA may audit and inspect the EGI to ensure compliance with applicable technical and safety standards for construction and operation of this project.

Should you have any questions, please contact me at 416.734.3539 or by e-mail at kmanouchehri@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Kourosh Manouchehri, P.Eng.,
Fuels Safety Engineer
Tel.: (416) 734-3539
Fax: (416) 231-7525

Bobcaygeon Project Schedule

WBS / Task Name	2021							2022												2023												2024												2025												2026											
	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ENVIRONMENTAL																																																																		
Environmental Assessments & Design																																																																		
Procurement & Permits																																																																	
Permits & Approvals																																																																		
OEB Application Review																																																																		
Engineering & Construction																																																																	
Supply Lateral Phase 1 Construction Duration																																																																	
Supply Lateral Phase 1 Testing & Conditioning																																																																	
Supply Lateral Phase 1 In-service																																																																	
Supply Lateral Phase 2 Construction Duration																																																																	
Supply Lateral Phase 2 Testing & Conditioning																																																																	
Supply Lateral Phase 2 In-service																																																																	
Reinforcement Construction Duration																																																																	
Reinforcement Testing & Conditioning																																																																	
Reinforcement In-service																																																																	
	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2021							2022												2023												2024												2025												2026											

PROJECT COSTS AND ECONOMICS

Estimated Project Cost

1. The total cost for all phases of the Bobcaygeon Community Expansion Project is estimated to be $115.2 million (as set out in Table 1 below), of which $44.9 million is attributed to the Project (Supply Lateral and the Reinforcement Pipeline for which the Company is seeking leave to construct via the current Application), and $70.3 million is attributed to Ancillary Facilities for which the Company is not seeking leave to construct. /U

Table 1: Estimated Project Costs *($CAD)*
(Supply Lateral + Reinforcement)

Item No.	Description	Pipeline Costs		Ancillary Costs[1]	Total Costs
		Supply Lateral	Reinforcement		
1.0	Material	2,651,460	786,930	6,295,528	9,733,918
2.0	Construction	23,779,538	6,294,903	50,822,216	80,896,658
3.0	Outside Services	4,674,007	1,386,799	6,666,123	12,726,929
4.0	Land, Permits, Approvals and Consultations	235,604	109,714	470,118	815,436
5.0	Contingency	3,010,532	763,040	5,318,465	9,092,037
6.0	Sub-Total	34,351,142	9,341,386	69,572,450	113,264,978
7.0	Interest During Construction	853,126	395,170	683,906	1,932,202
8.0	Total Project Cost	35,204,268	9,736,556	70,256,356	115,197,180
9.0				Original Proposed Cost	115,514,815
10.0				Variance *(8 – 9)*	(317,635)

NOTES:
(1) Project Ancillary costs include: 6 regulator stations, approximately 75 km of distribution mains, and customer services.

/U

2. Total estimated costs for all facilities set out in Table 1 amount to $115.2 million. This amount is similar to the amount estimated in the Company's original project proposal to the Government of Ontario (2019/2020) for funding under Phase 2 of the NGEP of $115.5 million (EB-2019-0255). /U

3. The Project cost estimate set out in Table 1 above, includes a 10% contingency applied to all direct capital costs commensurate with the current design stage of the Project and related risks/uncertainties. This contingency amount has been calculated based on the risk profile of the Project, and is consistent with contingency amounts calculated for other Phase 2 NGEP projects. /U

Project Economics

4. As set out in Table 1 above, the total estimated cost of the Bobcaygeon Community Expansion Project is $115.2 million(inclusive of Supply Lateral + Reinforcement Pipeline + Ancillary Facilities). These costs include materials, construction and labour, external costs, contingencies, and interest during construction (“IDC”). /U

5. An economic analysis has been completed in accordance with the OEB’s recommendations in its E.B.O 188 Report of the Board on Natural Gas System Expansion (“E.B.O. 188”). A Discounted Cash Flow (“DCF”) analysis for the Project is included at Attachment 1 to this Exhibit.

6. The DCF analysis for the Project has been prepared based on the Company’s latest feasibility parameters (i.e. long-term debt rates, discount rates, tax rates, etc…), and includes a SES and funding to be obtained from Phase 2 of the Ontario Government’s NGEP. Attachment 2 to this Exhibit shows the key inputs, parameters and assumptions used in completing the DCF analysis.

7. The project revenue horizon is 40 years, in accordance with E.B.O. 188 guidelines. The term of the SES is a fixed 40-year term as approved in EB-2019-0095 .

NGEP Funding

8. On July 1, 2019, section 36.2 of the OEB Act came into effect pursuant to the *Access to Natural Gas Act, 2018*, which establishes a framework for the funding of natural gas expansion projects by natural gas ratepayers. *Ontario Regulation 24/19, Expansion of Natural Gas Distribution Systems* ("Regulation") sets out projects that are eligible for financial support subject to receiving any necessary OEB approvals, and the mechanism by which funding is collected from ratepayers and distributed to the project proponents. The Regulation also requires that rate-regulated natural gas distributors charge each of their customers $1 per month (for each account that the customer has with the natural gas distributor) to provide funding for the eligible expansion projects. Schedule 2 of the Regulation establishes the Project as one to receive funding up to $68,029,650.

9. The DCF analysis includes this $68 million of funding, which is treated similarly to a contribution in aid of construction ("CIAC"). The total capital cost net of funding over the 10 year attachment horizon is $47.2 million. /U

System Expansion Surcharge

10. To assist with the economic feasibility of the Project, Enbridge Gas intends to charge a SES of $0.23 per cubic metre to customers attaching to the Project for a term of 40 years. The proposed SES is consistent with the criteria and mechanism contemplated in Enbridge Gas's EB-2020-0094 application for a harmonized SES:
    - The SES is proposed for a community expansion project with a Profitability Index ("PI") of less than 1.0; and
    - The SES is proposed for a project providing first-time natural gas access to more than 50 potential customers.

11. As described below, the Project PI prior to inclusion of the proposed SES and NGEP funding is 0.26 The Project is expected to connect approximately 3,700 new customers to Enbridge Gas's system. /U

Rate Stability Period

12. Also consistent with the direction in the OEB's EB-2020-0094 Decision,[1] upon placing the Project into service, Enbridge Gas will apply a 10-year Rate Stability Period ("RSP") during which the Company will bear the risk of the Project customer attachment and capital expenditure forecast. The 2024 rebasing application EB-2022-0200 included the updated in-service date and forecasted capital cost of the Project compared to the Company's EB-2019-0255 submission for Phase 2 NGEP funding.[2] At the next rebasing application after the ten-year RSP expires, Enbridge Gas will use actual revenues and actual capital costs of the Project to determine any revenue sufficiency or deficiency for rate-setting purposes. If the expiry of the ten-year RSP occurs during an incentive rate mechanism ("IRM") term and not a rebasing year, any excess revenue or shortfall in rates would form part of the utility revenue that is subject to earnings sharing until the next rebasing, depending on the approved IRM framework at the time. /U

Economic Feasibility

13. Detailed calculations of the feasibility of the proposed project, including the SES and NGEP funding are included at Attachment 1 to this Exhibit. Based on the forecast of costs and revenues before SES and NGEP funding, the Project has a PI of 0.26, which improves to 0.46 with the inclusion of the SES. The Company will require the NGEP funding to support the economic feasibility of the Project. After SES and NGEP funding, the Project has a net present value ("NPV") of $0 and a PI of 1.0. /U

[1] EB-2020-0094 Decision and Order, November 5, 2020, pp. 8-9
[2] EB-2022-0200 Exhibit I.2.6-STAFF-74 and EB-2022-0200 Exhibit JT6.3 /U

14. The estimates of NPV and PI are subject to change as the Project progresses through the design and construction phase. Any variances from forecasted capital cost or revenues, including variances in the customer attachment forecast for the Project, will be managed by Enbridge Gas during the RSP. The final actual PI will be determined using actual information and will be communicated as part of the next rebasing application following the expiry of the RSP.

15. Based on the results of the E.B.O. 188 analysis outlined above and given the NGEP funding and SES, Enbridge Gas submits that the Project is economically justified.

DCF Analysis

Bobcaygeon
In-service Date: Jan-01-2025

Project Year ($000's)	Project Total	2025	2026	2027	2028	2029	2030	2031	2032	2033
Operating Cash Flow										
Revenue:										
Gas Distribution Revenue	64,875	27	136	328	606	936	1,225	1,473	1,651	1,749
SES Revenue	77,339	35	185	428	757	1,144	1,481	1,772	1,982	2,100
Expenses:										
O & M Expense	(10,483)	(4)	(21)	(51)	(96)	(150)	(197)	(237)	(266)	(282)
Municipal Tax	(8,853)	(42)	(126)	(175)	(200)	(210)	(226)	(224)	(227)	(230)
Income Tax	(32,051)	428	26	(141)	(280)	(453)	(603)	(737)	(831)	(884)
Net Operating Cash Flow	90,827	443	199	389	786	1,267	1,680	2,048	2,309	2,453
Capital										
Incremental Capital	(47,168)	(11,923)	(2,533)	(1,537)	(5,318)	(7,645)	(6,297)	(5,631)	(3,012)	(2,006)
Change in Working Capital	9	0	1	1	2	2	1	1	1	0
Total Capital	(47,159)	(11,923)	(2,532)	(1,536)	(5,317)	(7,644)	(6,296)	(5,629)	(3,011)	(2,005)
CCA Tax Shield										
CCA Tax Shield	11,382	152	152	206	236	325	416	486	525	533
Net Present Value										
PV of Operating Cash Flow	33,074	415	177	330	634	972	1,226	1,422	1,525	1,542
PV of Capital	(38,328)	(12,114)	(2,255)	(1,301)	(4,286)	(5,863)	(4,594)	(3,909)	(1,989)	(1,261)
PV of CCA Tax Shield	5,254	142	136	174	190	249	303	337	347	335
Total NPV	0	(11,557)	(1,942)	(797)	(3,462)	(4,642)	(3,065)	(2,150)	(117)	617
Project NPV	**0**									
Profitability Index										
Cumulative PI		0.05	0.06	0.09	0.11	0.13	0.16	0.20	0.24	0.28
Project PI	**1.000**									

DCF Analysis

Bobcaygeon
In-service Date: Jan-01-2025

Project Year ($000's)	Project Total	2034	2035	2036	2037	2038	2039	2040	2041	2042
Operating Cash Flow										
Revenue:										
Gas Distribution Revenue	64,875	1,813	1,837	1,837	1,837	1,837	1,837	1,837	1,837	1,837
SES Revenue	77,339	2,176	2,204	2,204	2,204	2,204	2,204	2,204	2,204	2,204
Expenses:										
O & M Expense	(10,483)	(292)	(296)	(296)	(296)	(296)	(296)	(296)	(296)	(296)
Municipal Tax	(8,853)	(232)	(232)	(232)	(232)	(232)	(232)	(232)	(232)	(232)
Income Tax	(32,051)	(918)	(931)	(931)	(931)	(931)	(931)	(931)	(931)	(931)
Net Operating Cash Flow	90,827	2,546	2,582	2,582	2,582	2,582	2,582	2,582	2,582	2,582
Capital										
Incremental Capital	(47,168)	(1,266)	-	-	-	-	-	-	-	-
Change in Working Capital	9	0	-	-	-	-	-	-	-	-
Total Capital	(47,159)	(1,266)	-	-	-	-	-	-	-	-
CCA Tax Shield										
CCA Tax Shield	11,382	527	506	475	447	420	395	371	349	328
Net Present Value										
PV of Operating Cash Flow	33,074	1,523	1,469	1,398	1,330	1,266	1,204	1,146	1,090	1,037
PV of Capital	(38,328)	(757)	-	-	-	-	-	-	-	-
PV of CCA Tax Shield	5,254	315	288	257	230	206	184	165	147	132
Total NPV	0	1,081	1,757	1,655	1,560	1,471	1,388	1,310	1,237	1,169
Project NPV	**0**									
Profitability Index										
Cumulative PI		0.32	0.37	0.41	0.45	0.49	0.53	0.56	0.59	0.62
Project PI	**1.000**									

DCF Analysis

Bobcaygeon
In-service Date: Jan-01-2025

Project Year ($000's)	Project Total	2043	2044	2045	2046	2047	2048	2049	2050	2051
Operating Cash Flow										
Revenue:										
Gas Distribution Revenue	64,875	1,837	1,837	1,837	1,832	1,828	1,828	1,828	1,828	1,828
SES Revenue	77,339	2,204	2,204	2,204	2,181	2,158	2,158	2,158	2,158	2,158
Expenses:										
O & M Expense	(10,483)	(296)	(296)	(296)	(296)	(296)	(296)	(296)	(296)	(296)
Municipal Tax	(8,853)	(232)	(232)	(232)	(232)	(232)	(232)	(232)	(232)	(232)
Income Tax	(32,051)	(931)	(931)	(931)	(924)	(916)	(916)	(916)	(916)	(916)
Net Operating Cash Flow	90,827	2,582	2,582	2,582	2,562	2,541	2,541	2,541	2,541	2,541
Capital										
Incremental Capital	(47,168)	-	-	-	-	-	-	-	-	-
Change in Working Capital	9	-	-	-	(0)	-	-	-	-	-
Total Capital	(47,159)	-	-	-	(0)	-	-	-	-	-
CCA Tax Shield										
CCA Tax Shield	11,382	308	290	272	256	241	226	213	200	188
Net Present Value										
PV of Operating Cash Flow	33,074	987	939	893	843	796	758	721	686	653
PV of Capital	(38,328)	-	-	-	(0)	-	-	-	-	-
PV of CCA Tax Shield	5,254	118	105	94	84	75	67	60	54	48
Total NPV	0	1,105	1,044	988	928	872	825	781	740	701
Project NPV	**0**									
Profitability Index										
Cumulative PI		0.65	0.68	0.70	0.73	0.75	0.77	0.79	0.81	0.83
Project PI	**1.000**									

DCF Analysis

Bobcaygeon
In-service Date: Jan-01-2025

Project Year ($000's)	Project Total	2052	2053	2054	2055	2056	2057	2058	2059	2060
Operating Cash Flow										
Revenue:										
Gas Distribution Revenue	64,875	1,828	1,828	1,828	1,828	1,828	1,828	1,828	1,828	1,828
SES Revenue	77,339	2,158	2,158	2,158	2,158	2,158	2,158	2,158	2,158	2,158
Expenses:										
O & M Expense	(10,483)	(296)	(296)	(296)	(296)	(296)	(296)	(296)	(296)	(296)
Municipal Tax	(8,853)	(232)	(232)	(232)	(232)	(232)	(232)	(232)	(232)	(232)
Income Tax	(32,051)	(916)	(916)	(916)	(916)	(916)	(916)	(916)	(916)	(916)
Net Operating Cash Flow	90,827	2,541	2,541	2,541	2,541	2,541	2,541	2,541	2,541	2,541
Capital										
Incremental Capital	(47,168)	-	-	-	-	-	-	-	-	-
Change in Working Capital	9	-	-	-	-	-	-	-	-	-
Total Capital	(47,159)	-	-	-	-	-	-	-	-	-
CCA Tax Shield										
CCA Tax Shield	11,382	177	166	156	147	138	130	122	115	108
Net Present Value										
PV of Operating Cash Flow	33,074	621	591	562	535	509	484	461	438	417
PV of Capital	(38,328)	-	-	-	-	-	-	-	-	-
PV of CCA Tax Shield	5,254	43	39	35	31	28	25	22	20	18
Total NPV	0	664	629	597	566	536	509	483	458	435
Project NPV	**0**									
Profitability Index										
Cumulative PI		0.85	0.86	0.88	0.89	0.91	0.92	0.93	0.95	0.96
Project PI	**1.000**									

DCF Analysis

Bobcaygeon
In-service Date: Jan-01-2025

Project Year ($000's)	Project Total	2061	2062	2063	2064
Operating Cash Flow					
Revenue:					
Gas Distribution Revenue	64,875	1,828	1,828	1,828	1,828
SES Revenue	77,339	2,158	2,158	2,158	2,158
Expenses:					
O & M Expense	(10,483)	(296)	(296)	(296)	(296)
Municipal Tax	(8,853)	(232)	(232)	(232)	(232)
Income Tax	(32,051)	(916)	(916)	(916)	(916)
Net Operating Cash Flow	90,827	2,541	2,541	2,541	2,541
Capital					
Incremental Capital	(47,168)	-	-	-	-
Change in Working Capital	9	-	-	-	-
Total Capital	(47,159)	-	-	-	-
CCA Tax Shield					
CCA Tax Shield	11,382	101	95	89	796
Net Present Value					
PV of Operating Cash Flow	33,074	397	378	359	342
PV of Capital	(38,328)	-	-	-	-
PV of CCA Tax Shield	5,254	16	14	13	107
Total NPV	0	413	392	372	449
Project NPV	**0**				
Profitability Index					
Cumulative PI		0.97	0.98	0.99	1.00
Project PI	**1.000**				

Bobcaygeon
InService Date: Jan-01-2025
Economic Feasibility Parameters and Results

Discounting Assumptions

Project Time Horizon	40 years
Discount Rate	Incremental After Tax Cost of Capital of 5.10%

Key DCF Input Parameters, Values and Assumptions

Operating Cash Flow

Revenue:	
Incremental Distribution Revenues	Rates as per EB-2023-0073 Effective April 1 2023
Expenses:	
Operating and Maintenance Expense	Estimated incremental costs
Municipal Tax	Estimated incremental cost
Income Tax Rate	26.5%

Capital Expenditures

	Capital ($000's)
Gross Capital Costs	115,197
Funding	(68,030)
Net Capital Costs	47,168

Change in Working Capital: 2.986% applied to O&M

CCA Tax Shield

CCA Rates: Declining balance rates by CCA class
Accelerated CCA (Bill C-97) included.

CCA Classes:	CCA Class	CCA Rate
Distribution/Reinforcement Mains	51	6%
Customer Services & MRI	51	6%

Feasibility Results

	NPV ($000's)	PI
Economic Feasibility excluding SES and Funding	(75,732)	0.26
Economic Feasibility including SES	(55,047)	0.46
Economic Feasibility including SES and Funding	0	1.000
Funding Required Based on Feasibility Analysis	(68,030)	

ENVIRONMENTAL MATTERS

Environmental Report

1. Enbridge Gas retained Stantec Consulting Ltd. ("Stantec") to undertake a route evaluation and environmental and socio-economic impact study, which included a cumulative effects assessment, to select the Preferred Route ("PR") for the Project. As part of the development of the study, Enbridge Gas and Stantec implemented a consultation program to receive input from interested and potentially affected parties including Indigenous communities. The consultation program input was evaluated and integrated into the study. Mitigation measures designed to minimize environmental and community impacts resulting from construction of the Project were also developed as part of the study.

2. The results of the study are documented in the Environmental Report ("ER") entitled *Bobcaygeon Community Expansion Project* included as Attachment 1 to this Exhibit.[1] The ER conforms to the OEB's *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition, 2016* ("Guidelines").[2]

3. Enbridge Gas supports Stantec's findings.

4. The objective of the ER is to outline various environmental mitigation and protection measures for the construction and operation of the Project while

[1] As discussed in Exhibit B, the Western Reinforcement Pipeline was originally scheduled for construction in 2029. Despite this, Enbridge Gas's ER was scoped to include the full Project design that was submitted to the Government of Ontario and the OEB for consideration under Phase 2 of the NGEP. Since the ER was finalized, the Western Reinforcement Pipeline has been removed from the project scope.
[2] The OEB released the 8th Edition of the Guidelines in March 2023 after the initiation, consultation and finalization of the Bobcaygeon Community Expansion Project and associated Environmental Report.

/U

meeting the intent of the OEB Guidelines. To meet this objective, the ER was prepared to:

- Complete a detailed review of environmental and socio-economic features along the PR and alternative routes for the Supply Lateral and the Reinforcement (the “Study Area”). /U
- Develop and implement a consultation and engagement program to receive input from interested and potentially affected parties.
- Undertake a route evaluation process.
- Identify a preferred route that minimizes potential environmental and socio-economic impacts.
- Establish mitigation and protective measures that may be used to minimize or eliminate potential environmental and socio-economic impacts of the Project.
- Identify supplemental studies, monitoring, and contingency plans.

5. Details of the study process can be found in Section 1.2 of the ER. Details of the route selection process can be found in Section 4.0 of the ER. Details of the consultation program can be found in Section 2.0 of the ER.

6. A Notice of Study Commencement and Virtual Open House (the “Notice”) for the Project was published in two local newspapers (Peterborough This Week and Kawartha This Week) on September 2 and 9, 2021 and was distributed through

Canada Post unaddressed admail (14,905 flyers) on September 7, 2021, to all residents and businesses within the Study Area.[3]

7. The Notice along with letters describing the Project and the environmental study process, providing a map showing the PR and alternative routes, as well as details regarding the virtual open house, were emailed to Indigenous communities, agencies, and the Ontario Pipeline Coordinating Committee ("OPCC") on September 1, 2021. The letter provided Project contact details and solicited information (as applicable) regarding: (i) planning principles or guidelines that may affect the Project; (ii) background environmental and socio-economic information; (iii) other developments proposed in the area; and (iv) the impacts that the Project may have on constitutionally protected aboriginal or treaty rights and measures for mitigating those impacts.

8. During the consultation process for development of the ER, Enbridge Gas and Stantec received comments from identified Indigenous communities, the public, interest groups, and federal and provincial agencies. No comments were received from municipal or elected officials. Information pertaining to the input received and how it was incorporated into the ER can be found in Section 2.6 of the ER.

9. The ER identifies forty-two watercourses associated with the Project that are planned to be crossed by the PR using the horizontal directional drill method ("HDD"). Enbridge Gas will obtain the necessary permits from Kawartha Conservation Authority and Otonabee Conservation Authority, which includes erosion and sediment control measures, prior to the start of construction. Potential

[3] The Virtual Open House was made available online from September 13 to 27, 2021.

impacts and mitigation measures for watercourses and wetlands are noted in Table 5-1 (Section 5.0) of the ER.

10. As listed in Table 3.6 of the ER, Stantec identified twenty Species at Risk ("SAR") as having the potential to occur within the Project Study Area. Although potential habitat for SAR is present in the Study Area, the PR is located within an existing road allowance that is periodically disturbed for maintenance work. In addition, construction techniques will avoid some sensitive habitats (i.e., through the use of trenchless technologies such as HDD) for areas associated with watercourses and wetlands. Potential impacts and mitigation measures for areas where construction of the pipeline may interact with wildlife and wildlife habitat, including SAR, are noted in Table 5-1 (Section 5.0) of the ER.

11. Enbridge Gas submitted a copy of the ER to members of the OPCC, Indigenous communities, and municipal and conservation authorities on December 3, 2021, for their respective review ("OPCC Review"). Comments received in response were acknowledged, and where required, responses were provided and incorporated into the ER. Details of the materials distributed to various stakeholders and feedback received are set out within Appendix B of the ER (beginning on page 129) and summarized in Tables B6.1, B6.2, B6.3, B6.4 and B6.5. /U

12. Since the OPCC review, Enbridge Gas has received the following comments pertaining to the ER: /U

    - City of Kawartha Lakes Councilor contacted Enbridge Gas regarding the Preferred Route and potential changes to accommodate future and existing developments along St. Luke's Road and the Pigeon Lake Trailer Park.

- A private landowner contacted Enbridge Gas with details on a dug well along the Preferred Route.
- A private landowner contacted Enbridge Gas with concerns on potential impacts of the Project on a private utility on their property.
- A private landowner is opposed to natural gas servicing the community and their residence.

13. Enbridge Gas provided a Notice of Project Amendment to the OPCC, Indigenous communities, and all federal, provincial, municipal, and conservation authority contacts noted on the Contact List (Appendix B1 of the ER) on May 3, 2023. The Notice described the finalized Project scope, the proposed date to file the updated leave to construct application with the OEB, and confirmed the updated project scope was sufficiently covered in the ER. The Notice can be found in Attachment 2 to this Exhibit. /U

14. Additional details on stakeholder consultation that occurred after the ER was finalized can be found in the Landowner/ Residents, OPCC, and Agency Summary of Project Correspondence tables provided at Attachment 3, Attachment 4, and Attachment 5 to this Exhibit, respectively. /U

Routing

15. Enbridge Gas retained Stantec to evaluate potential routes for the Project using existing municipal right-of-ways (where possible) and with consideration for environmental and socio-economic constraints. Details of the route evaluation and selection process can be found in Section 4.0 of the ER.

Environmental Protection Plan

16. Construction of the Project will be conducted in accordance with Enbridge Gas's Construction and Maintenance Manual and the recommendations in the ER, as applicable. An Environmental Protection Plan ("EPP") will be developed for the Project prior to construction. The EPP will incorporate recommended mitigation measures contained in the ER and those mitigation measures obtained from agency consultation for the environmental issues associated with the proposed works. These mitigation measures will be communicated to the construction contractor prior to the commencement of construction of the Project. A qualified Environmental Inspector or suitable representative will be available to assist the Construction Supervisor in seeing that mitigation measures identified in the EPP as well as permitting requirements and any associated conditions of approval established by the OEB are adhered to and that commitments made to the public, landowners and agencies are honored. The Environmental Inspector and Construction Supervisor will also mitigate any unforeseen environmental circumstances that arise before, during and after construction.

17. Recommended mitigation measures for potential effects have been developed in the ER to address environmental and socio-economic features found along the PR. A summary of potential effects and recommended mitigation and protective measures can be found in Section 5.0, Table 5.1 of the ER.

18. Using the mitigation measures and monitoring and contingency plans found within the ER, EPP and additional mitigation measures provided by regulatory agencies through the permitting and approval process, construction of this Project will have negligible impacts on the environment. No significant environmental or cumulative

effects are anticipated from development of the proposed pipeline Project. Enbridge Gas will complete the EPP prior to mobilization and construction of the Project.

Cultural Heritage Assessment

19. The checklist "Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes – A Checklist for the Non-Specialist" was completed by Stantec and is included in Appendix F of the ER. The completion of this checklist identified the need for a Stage 1 Archaeological Assessment ("AA") and a Cultural Heritage Evaluation: Existing Conditions and Preliminary Impact Assessment ("CHECPIA"). /U

20. A CHECPIA was completed for the PR and submitted to the Ministry of Citizenship and Multiculturalism ("MCM") on April 21, 2022, as part of the permitting and approval process and can be found at Attachment 6 to this Exhibit.[4] The MCM confirmed that due diligence had been taken in preparing the CHECPIA on July 14, 2022. The purpose of the CHECPIA was to identify the presence of previously identified and potential Built Heritage Resources ("BHR") and Cultural Heritage Landscapes ("CHL") within the Study Area, understand the potential impacts of the Project on those resources, and prepare mitigation strategies to minimize the potential impacts. The CHECPIA identified a total of 53 previously identified and potential BHR or CHL within the supply lateral and reinforcement sections of the Study Area and a total of 72 previously designated or newly identified potential BHR or CHL within the potential distribution section of the Study Area. Indirect /U

[4] The Ministry of Citizenship and Multiculturalism was formerly named the Ministry of Heritage, Sport, Tourism and Culture Industries. /U

impacts related to potential vibration were identified for 16 properties situated within 50 m of planned construction activities associated with the supply lateral and reinforcement sections. Indirect impacts related to potential vibration were identified for 58 properties situated within 10 m of planned construction activities associated with the potential distribution section. No previously identified or potential BHR or CHL are to be directly (physically) impacted by the Project. Enbridge Gas will adhere to the recommendations described in Section 6.0 of the CHECPIA.

Archaeological Assessment

21. A Stage 1 AA was completed for the proposed Project in 2006 and was accepted into the Ontario Public Register of Archaeological Reports ("Ontario Public Register"). In 2017, correspondence from the MCM requested that mapping shown in Figure 4.1 of the Stage 1 AA report be revised to indicate that a Stage 2 AA will be required within the limits of the Community of Bobcaygeon, including around both the Big Bob and Little Bob channels of the Bobcaygeon River. /U

22. In December of 2021, a Stage 1 AA was completed within 100 meters of the Project area to accommodate potential Temporary Working Space and to also address MCM's request from 2017. The completed Stage 1 AA report from December 2021 can be found in Appendix E of the ER. /U

23. In February of 2022, after completion of the ER, the Stage 1 AA was updated with additional information regarding a potential burial site. The updated Stage 1 AA was circulated to interested indigenous communities for review and comment prior to /U

submission to the MCM. The Stage 1 AA was submitted to the MCM on April 19, 2022.

24. After further review and consultation with the MCM, revisions to the Stage 1 AA were completed to provide: /U

- Additional information on an existing archaeological site and recommendations should the Project encroach on its limits;
- Additional photos of areas identified as being previously disturbed; and
- Additional recommendations on marine archaeological assessments.

The Stage 1 AA was revised and submitted to the MCM on August 26, 2022 and accepted into the Ontario Public Register on September 9, 2022. The final Stage 1 AA report can be found at Attachment 7 to this Exhibit.

25. Additionally, in 2016, Stantec completed a Stage 1 AA for a proposed pipeline to service the community of Fenelon Falls that assessed a portion of the current Western Reinforcement Pipeline Study Area along Highway 35 and the Reinforcement Pipeline Study Area.

26. As required by the Stage 1 AA, a Stage 2 AA will be completed prior to construction and submitted to the MCM for review and acceptance into the Ontario Public Register. /U

ENVIRONMENTAL REPORT

1. The ER for the Project can be found electronically by accessing the link below: /U

https://www.enbridgegas.com/-/media/Extranet-Pages/About-Enbridge-Gas/Projects/Bobcaygeon-Project/rpt_Bobcaygeon-ER_20220104_fin_signed-locked.ashx?rev=5d5940fcdb4a42ee80609556ffe47da4&hash=2EDF1BDC82806513C195A462D8768B8F

Stantec Consulting Ltd.
100-300 Hagey Boulevard, Waterloo ON N2L 0A4

April 28, 2023

«TITLE» «FIRST_NAME» «SURNAME»
«POSITION»
«ORGANIZATION»
«DEPARTMENT»
«ADDRESS»
«CITYTOWN» «POSTAL_CODE»
«EMail»

SENT VIA EMAIL

Dear «TITLE» «SURNAME»,

Reference: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Project Amendment

On September 1, 2021, Enbridge Gas Inc. ("Enbridge Gas" or the "Company") circulated a Notice of Study Commencement and Virtual Open House for the proposed Bobcaygeon Community Expansion Project, which would supply the community with affordable natural gas (the "Project"). The Project will be located in the City of Kawartha Lakes and Township of Cavan-Monaghan. As part of the planning process, Enbridge Gas retained Stantec Consulting Ltd. ("Stantec") to undertake an Environmental Study for the Project. The Environmental Study fulfilled the requirements of the Ontario Energy Board's ("OEB") "*Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)*"[1].

On June 9, 2021, the proposed Bobcaygeon Community Expansion Project ("Project") was approved to receive funding assistance as part of Phase 2 of the Government of Ontario's Natural Gas Expansion Program, which provides financial support to help utilities expand natural gas distribution in communities that are not currently connected to the natural gas system.

On May 2, 2022, Enbridge Gas applied to the OEB pursuant to section 90(1) of the Ontario Energy Board Act, S.O. 1998, c. 15, Schedule B, for an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities for which the Company sought OEB approval consisted of:

(i) A Supply Lateral:
- Approximately 25 km of Nominal Pipe Size ("NPS") 6-inch extra high pressure ("XHP") steel ("ST") natural gas distribution pipeline.
- Approximately 2 km of NPS 6-inch high pressure polyethylene ("HPPE") natural gas distribution pipeline.
- Approximately 1 km of NPS 6-inch high pressure ("HP") ST natural gas distribution pipeline.

(ii) Eastern Reinforcement
- Approximately 13 km of NPS 6-inch XHP ST natural gas pipeline.

[1]The OEB Released the 8th Edition of the Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario in March 2023, after the initiation, consultation and finalization of the Bobcaygeon Community Expansion Project and associated Environmental Report.

Stantec Consulting Ltd.
100-300 Hagey Boulevard, Waterloo ON N2L 0A4

Enbridge Gas subsequently filed three requests for abeyance of the aforementioned application on July 5, 2022, October 31, 2022, and February 28, 2023, in order to update and interpret the results of the market analysis and surveys for the Project to provide an appropriate basis for the customer attachment forecasts filed in support of the application. The OEB confirmed on March 3, 2023, that they will continue to hold the application in abeyance until June 30, 2023.

The purpose of this letter is to inform you that Enbridge Gas is proposing to file an updated application with the OEB no later than June 30, 2023, seeking an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities for which the Company is seeking OEB approval consists of the aforementioned Supply Lateral and Eastern Reinforcement; however, the Eastern Reinforcement has since been reduced to approximately 8 km of NPS 6-inch XHP ST natural gas pipeline. There is no change to the proposed Supply Lateral. Please see the attachment (Figure 1) for the updated map of the Project.

Stantec has reviewed the updated Project scope, as outlined above, in comparison to the information presented in the 2021 Environment Report and have determined that the updated Project scope is sufficiently covered in the Environmental Report, and that no adjustments or revisions to the Environmental Report are necessary.

If you have questions or comments regarding the Bobcaygeon Community Expansion Project, please do not hesitate to contact the undersigned.

Yours truly,

Emily Hartwig
Stantec Consulting Ltd.
Environmental Consultant
Phone: 519 780 8186
BobcaygeonEA@stantec.com

Attachment: Figure 1 – Amended Study Area

c. Sarah Kingdon-Benson, Senior Advisor, Environment, Enbridge Gas Inc.

[1]The OEB Released the 8th Edition of the Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario in March 2023, after the initiation, consultation and finalization of the Bobcaygeon Community Expansion Project and associated Environmental Report.

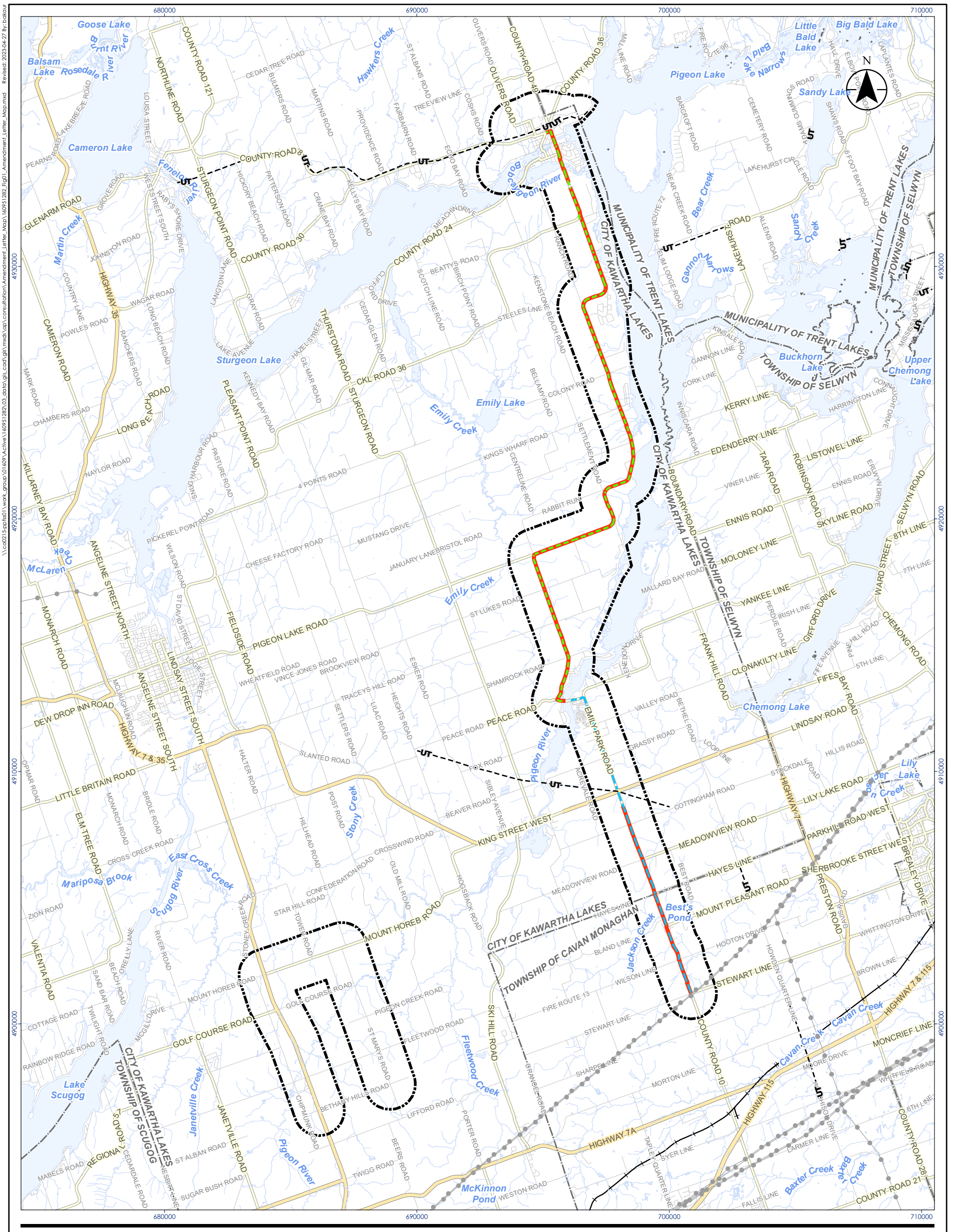

680000
690000
700000
710000
4930000
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Goose Lake
Balsam Lake
Rosedale River
Burnt River
Cameron Lake
Fenelon River
Martin Creek
Hawkers Creek
Bobcaygeon River
Pigeon Lake
Bald Lake
Little Bald Lake
Big Bald Lake
Sandy Lake
Bear Creek
Sandy Creek
Gannon Narrows
Sturgeon Lake
Emily Lake
Emily Creek
Mariposa Brook
East Cross Creek
Scugog River
Lake Scugog
McLaren Creek
Janetville Creek
Pigeon River
Fleetwood Creek
Jackson Creek
Best's Pond
McKinnon Pond
Stony Creek
Chemong Lake
Buckhorn Lake
Upper Chemong Lake
Lily Lake
Cavan Creek
Baxter Creek
Baxter Creek
Mississauga Creek
N
COUNTY ROAD 121
NORTHLINE ROAD
COUNTY ROAD 36
COUNTY ROAD 49
OLIVERS ROAD
MILL LINE ROAD
FIRE ROUTE 96
LAPLANTES ROAD
HALL DRIVE
ELBOW POINT ROAD
SHAWS ROAD
6 FOOT BAY ROAD
CEMETERY ROAD
BARGROFT ROAD
ADAMS CUMMINGS ROAD
LAKEHURST CIRCLE ROAD
LAKEHURST ROAD
ALLENS ROAD
FIRE ROUTE 72
BEAR CREEK ROAD
KELM LODGE ROAD
MUNICIPALITY OF TRENT LAKES
CITY OF KAWARTHA LAKES
TOWNSHIP OF SELWYN
BOUNDARY ROAD
KINSALE ROAD
GANNON LINE
CORK LINE
KERRY LINE
HARRINGTON LINE
CONNAUGHT DRIVE
INNISGARA ROAD
EDENDERRY LINE
LISTOWEL LINE
TARA ROAD
ROBINSON ROAD
SKYLINE ROAD
ENNIS ROAD
VINER LINE
ERWIN DRIVE
8TH LINE
7TH LINE
WARD STREET
MOLONEY LINE
MALLARD BAY ROAD
YANKEE LINE
IRISH LINE
PERDUE ROAD
GIFFORD DRIVE
CLONAKILTY LINE
FRANK HILL ROAD
PINE HILL ROAD
CHEMONG ROAD
FIFE AVENUE
5TH LINE
FIFES BAY ROAD
LINDSAY ROAD
HILLIS ROAD
LILY LAKE ROAD
PARKHILL ROAD WEST
SHERBROOKE STREET WEST
BREALEY DRIVE
PRESTON ROAD
DAVIS DRIVE
WHITTINGTON DRIVE
HOOTON DRIVE
BLAND LINE
MOUNT PLEASANT ROAD
HAYES LINE
MEADOWVIEW ROAD
MEADOWVIEW ROAD
KING STREET WEST
COTTINGHAM ROAD
BEAVER ROAD
STOCKDALE ROAD
GRASSY ROAD
LOOP LINE
BETHEL ROAD
VALLEY ROAD
EMILY PARK ROAD
AGREVALE ROAD
FOX ROAD
SLANTED ROAD
PEACE ROAD
SHAMROCK ROAD
ECHO BAY ROAD
MEACHIN DRIVE
KAWARTHA ROAD
BEATTYS ROAD
SCOTCH LINE ROAD
STEELES LINE
KENSTONE BEACH ROAD
BELLAMY ROAD
COLONY ROAD
SETTLEMENT ROAD
CENTRELINE ROAD
KINGS WHARF ROAD
RABBIT RUN
FIRE ROUTE 13
STEWART LINE
SHARPE LINE
MORTON LINE
WILSON LINE
COUNTY ROAD 10
SKI HILL ROAD
RANIER ROAD
PORTER ROAD
LIFFORD ROAD
BETHANY HILLS ROAD
TWIGG ROAD
WESTON ROAD
FALLIS LINE
TAPLEY QUARTER LINE
LARMER LINE
MOORE DRIVE
WHITFIELD ROAD
MONCRIEF LINE
6TH LINE
COUNTY ROAD 28
COUNTY ROAD 21
HIGHWAY 7A
HIGHWAY 115
HIGHWAY 7 & 115
HIGHWAY 7
HIGHWAY 35
CKL ROAD 36
STURGEON ROAD
PLEASANT POINT ROAD
MOUNT HOREB ROAD
GOLF COURSE ROAD
PIGEON CREEK ROAD
FLEETWOOD ROAD
ST MARYS ROAD
CHIPMUNK ROAD
BETHANY HILLS ROAD
ST ALBAN ROAD
SUGAR BUSH ROAD
MABELS ROAD
REGIONAL 7 ROAD
CEDARDALE ROAD
NESBITT LINE
CITY OF KAWARTHA LAKES
TOWNSHIP OF SCUGOG
CITY OF KAWARTHA LAKES
TOWNSHIP OF CAVAN MONAGHAN
PIGEON LAKE ROAD
FIELDSIDE ROAD
ANGELINE STREET NORTH
ANGELINE STREET SOUTH
LINDSAY STREET SOUTH
MONARCH ROAD
DEW DROP INN ROAD
LITTLE BRITAIN ROAD
MCLAUGHLIN ROAD
OPMAR ROAD
ELM TREE ROAD
BRIDLE ROAD
CROSS CREEK ROAD
CONFEDERATION ROAD
CROSSWIND ROAD
STAR HILL ROAD
TOWER ROAD
ZION ROAD
VALENTIA ROAD
SAND BAR ROAD
BEACH ROAD
O'REILLY LANE
RIVER ROAD
TWILIGHT ROAD
COTTAGE ROAD
RAINBOW RIDGE ROAD
MCGILL DRIVE
STONEY CREEK ROAD
HILLHEAD ROAD
POST ROAD
SIBLEY AVENUE
OLD MILL ROAD
HIGGSBACK ROAD
BEST ROAD
SAYER LINE
HOWDEN QUARTER LINE
BROWN LINE
ENNIS ROAD
SKYLINE ROAD
8TH LINE
WARD STREET
SELWYN
MOLONEY LINE
YANKEE LINE
CLONAKILTY LINE
FIFES BAY ROAD
LINDSAY ROAD
LILY LAKE ROAD
PARKHILL ROAD WEST
SHERBROOKE STREET WEST
MEADOWVIEW ROAD
KING STREET WEST
BEAVER ROAD
COTTINGHAM ROAD
STOCKDALE ROAD
HILLIS

Table 1: Summary of Project Correspondence – Landowner / Residents

Record	Correspondent	Type	Date	Subject Matter	Responder/Date	Response
Notice of Commencement and Virtual Open House published in local newspapers on September 2, 2021, and September 9, 2021 **Notice of Commencement and Virtual Open House mailed via Canada Post unaddressed Ad-mail September 7, 2021**						
1	[redacted]@gmail.com	Email	January 26, 2022	Contacted the Project team to ask why they received the Project notification letter (dated September 3, 2021). Noted that the proposed line is located on the west side of Pigeon Lake, and they are located on the east side of Pigeon Lake.	Stantec / January 19, 2023	Stantec responded to the email and noted that the notification letters for this Project were distributed to properties within mailing routes in a 1 km radius of the proposed pipeline. The phone number to the Customer Connection Centre was provided, along with a link to the Project website.
2	[redacted]	Phone Call	April 5, 2022	Phoned the Project team to ask if the area of Kings Wharf would be serviced by the proposed pipeline.	Enbridge / April 6, 2022	Enbridge called back and noted that the Project focus is currently on the supply to Bobcaygeon, and that distribution for servicing has not been finalized yet. Enbridge noted that their contact information would be forwarded to the customer connections representative. The landowner inquired as to when the pipeline would be in service, and Enbridge noted that construction would not begin until Spring 2023 at the earliest, as they are currently in the permitting / planning phase and have yet to submit the application to the OEB.
3	[redacted]	Phone Call / Email	May 17, 2022	Enbridge spoke with the landowner regarding a dug well on the property and sent a summary email after the phone call. Enbridge noted that they will work internally to move the natural gas pipeline to the other side of the road to avoid the dug well. To do this, Enbridge will need a Temporary Workspace (TWS) for placement of the horizontal directional drill rig. Enbridge noted that they will be marking some locations for the TWS locations, and a Lands Agent would be in touch. Enbridge also noted that a well water monitoring program will begin in the fall or early spring of 2023.	[redacted] / May 20, 2022	The landowner replied to the email sent on May 17, 2022 and asked what the well water monitoring program would consist of.

Table 1: Summary of Project Correspondence – Landowner / Residents

Record	Correspondent	Type	Date	Subject Matter	Responder/Date	Response
4	Sarah Kingdon-Benson Senior Advisor, Environment Enbridge	Email	May 24, 2022	Enbridge replied to the email from Dianne and noted that Stantec would be completing a letter drop off, which will include information for residents to partake in the water well monitoring program prior to construction. The pre-construction water well monitoring program will consist of Stantec completing a water well questionnaire with the landowner (most likely over the phone) to obtain information about the well. Stantec will then take samples from the water well to determine the water quality prior to construction. The water will be sampled for inorganics (pH, total dissolved solids, hardness etc.), metals (iron, lead, etc.) and microbiological (i.e., E. coli). The samples will be sent to a licensed laboratory for analysis and a letter with the results will be emailed/mailed/dropped off to the landowner.	N/A	N/A
5	[redacted]	Email	June 21, 2022	The landowner noted that they received a package regarding the Project and wanted to point out that they have an underground sprinkler system throughout the property. The landowner requested a follow-up to discuss how to prevent damage to the system.	Enbridge / June 29, 2022	Enbridge spoke with the landowner on the phone and the landowner noted the sprinkler heads are a good distance from the road, where the construction work will occur, but they would appreciate if Enbridge could take a look in person. Enbridge committed to examining the sprinkler heads.
					Enbridge / July 12, 2022	Enbridge met with the landowners and discussed the proposed work. The landowner showed Enbridge the location of the sprinkler heads and confirmed that they are located away from the municipal road ROW
6	[redacted]	Phone Call	July 4, 2022	The landowner called Stantec to note that surveying had been occurring in Port 32 and that stakes have been placed in the middle of their lawns. The landowner was unaware that these stakes would be installed. The landowner noted that they are not interested in natural gas but wanted to know where the gas line would be running and how it will be installed. The landowner indicated that all services (i.e., telephone) are run in their backyard because most of Port 32 sits on limestone bedrock. Stantec noted that the gas line would be located within the road allowance, and that services to individual houses would come off of the running line. The landowner indicated that other residents in Port 32 were also concerned with the staking and how the pipeline would be installed.	Enbridge / July 4, 2022	Enbridge spoke with the landowner on the phone, and the landowner reiterated their confusion as to why there were stakes on their lawns and that they and other residents were concerned. Enbridge noted that field investigations were underway and as such JD Barnes was out in the area to stake the municipal road ROW and that work should not be occurring on privately owned lands. The landowner re-iterated that other utilities are located behind the homes and stated their concern.

Table 1: Summary of Project Correspondence – Landowner / Residents

Record	Correspondent	Type	Date	Subject Matter	Responder/Date	Response
7	Sarah Kingdon-Benson Senior Advisor, Environment Enbridge	Email	July 14, 2022	Enbridge sent a follow-up email to the landowner located at Port 32 (Record 24). Enbridge noted the following: • Stakes were placed along the road by a surveyor and are there to identify the limits of the municipal ROW. • The City of Kawartha Lakes have stated that the location behind the homes in the area is heavily congested with other utilities and that there is no space for new natural gas lines. The City of Kawartha Lakes will be providing a municipal permit for the work, and Enbridge is working closely with the City of Kawartha Lakes on the natural gas pipeline design. • In Fall 2021, Enbridge: - Notified area residents within a 1km radius that Enbridge and third-party contractors would be initiating an environmental assessment for the Project. A link was included to the Project website and Virtual Information Session. - Notified residents of the project and Environmental Assessment in local newspapers (Peterborough this Week and Kawartha This Week). - Completed door to door surveys to gauge area resident interest in converting to natural gas should it be made available. • In December, the community expansion webpage was updated to include broad information about construction activity and pre-work that those who live near the projects may see. Crews had letters on hand to share with area residents should they have questions regarding the work.	N/A	N/A
		Email	July 26, 2022	Enbridge sent a follow-up email to the landowner to note that they are approved to remove any stakes on their property.	N/A	N/A

Table 1: Summary of Project Correspondence – Landowner / Residents

Record	Correspondent	Type	Date	Subject Matter	Responder/Date	Response
8	[redacted]	Phone Call	July 7, 2022	Enbridge spoke with the landowner and discussed the following: • Presence of stakes on front lawns • Construction methodology • How Enbridge deals with rock • The municipal ROW is located near the landowner's home – is Enbridge designing the pipe to be closer to the road so it is not directly in front of the landowner's front door?	N/A	• Enbridge responded that they are staking the municipal ROW boundaries to support pre-construction activities to ensure that work does not encroach on their property for archaeology work • Enbridge responded that they typically use a mixture of HDD and open-trench, and that they try to utilize the method that is least impactful, and that flexibility is given to the construction contractor during work • Enbridge responded that they may drill, or they may hoe-ram to break rock first, and that the installed pipe in Fenelon Falls encountered similar conditions so Enbridge has experience with this work method • Enbridge responded that they would avoid placing a pipeline right near the landowner's house, and that typically its closer to the road and that they are still completing design, and nothing has been finalized yet
9	[redacted]	Email	July 14, 2022	The landowner contacted Enbridge to inform them that stakes had been placed in the front yards of properties in the community. The landowner noted that most homes in the area have services coming to the properties from the pathways behind the homes (water, cable, hydro, sewers etc.). The landowner asked why Enbridge was not utilizing this access and that they do not want to dig up their front lawn for natural gas access to their home.	Enbridge / July 14, 2022	Enbridge replied and noted that the stakes placed along the landowner's road are there to identify the limits of the municipal ROW, and that this is part of the pre-construction activities to inform Enbridge where environmental studies may be conducted. Enbridge noted that the City of Kawartha Lakes have stated that the location behind the homes in the area is heavily congested with other utilities and that there is no space for new natural gas lines. The City of Kawartha Lakes will be providing a municipal permit for the work, and Enbridge is working closely with the City of Kawartha Lakes on the natural gas pipeline design.
		Email	July 15, 2022	The landowner sent a follow-up email and asked Enbridge if the pipeline is constructed on their side of the road, would they need to cut through their driveway or can the pipeline be constructed underneath the driveway through the bedrock.	Enbridge / July 19, 2022	Enbridge responded and stated that the construction contractor typically tries to avoid impacts to driveways, roads, etc. by using HDD. Furthermore, Enbridge noted that the project design has not yet been finalized but if open trench is to be used to traverse roads, driveways etc., Enbridge indicated that access to these roads and driveways will be maintained throughout construction, and that areas impacted by pipeline construction activities will be restored back to pre-construction conditions.

Table 1: Summary of Project Correspondence – Landowner / Residents

Record	Correspondent	Type	Date	Subject Matter	Responder/Date	Response
10	[redacted]	Phone Call	July 15, 2022	The landowner left a voicemail with Enbridge asking about the posts/staking along their yard and indicated that they have a new sprinkler system installed in their lawn.	Enbridge / July 15, 2022	Enbridge called the landowner back and discussed the concerns stated on the voicemail. Enbridge noted that the stakes were placed along the road by surveyors and are there to identify the limits of the municipal ROW. The stakes were placed as part of pre-construction activities, and are present to inform Enbridge where the environmental studies may be conducted. The landowner stated that they had a survey recently done, and that the stakes are located on their lawn and not on the municipal ROW. Enbridge stated that they would confirm with construction and/or JD Barnes for next steps.
11	[redacted]	Email	October 15, 2022	The landowner emailed Enbridge to state that they are against a natural gas system to their community and their home.	N/A	N/A

BOBCAYGEON COMMUNITY EXPANSION PROJECT

Table 2: Summary of Project Correspondence – Ontario Pipeline Coordinating Committee (OPCC)

Record	Correspondent	Type	Date	Subject Matter	Responder/Date	Response
A link to the Environmental Report was sent via email on December 3, 2021, to the members of the OPCC, the Conservation Authority contacts and representatives from the City of Kawartha Lakes and The Township of Cavan-Monaghan, noted on the agency contact list.						
A reminder was sent via email on January 5, 2022, to individuals who received the email on December 3, 2021, that the comments on the Environmental Report are due January 17, 2022.						
1	All applicable OPCC contacts listed on the Ontario Energy Board website ('Current OPCC Member Representatives' updated March 28, 2023	Letter via Email	May 3, 2023	A Project Amendment letter was sent to all contacts on the contact list. The letter noted that Enbridge is proposing to file an updated application with the OEB no later than June 30, 2023, seeking an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities include the Supply Lateral and Eastern Reinforcement; however, the Eastern Reinforcement has since been reduced to approximately 8 km of NPS 6-inch XHP ST natural gas pipeline. There is no change to the proposed Supply Lateral. The updated Project scope is sufficiently covered in the Environmental Report prepared by Stantec.	N/A	N/A

BOBCAYGEON COMMUNITY EXPANSION PROJECT

Table 3: Summary of Project Correspondence – Agency

Record	Correspondent	Type	Date	Subject Matter	Forwarded/ Date	Responder/Date	Response
Notice of Commencement and Virtual Open House published in local newspapers on September 2, 2021, and September 9, 2021. **Notice of Commencement and Virtual Open House sent via email to all contacts on the agency contact list on September 1, 2021.**							
1	Bryan Robinson Director of Public Works City of Kawartha Lakes	Email	January 5, 2022	The representative from the City of Kawartha Lakes noted that the Public Works Department had no concerns with the Project provided that a suitable and acceptable running line can be established.	N/A	N/A	N/A
2	Ron Ashmore Councillor, Ward 6 City of Kawartha Lakes	Email	March 13, 2022	Councillor sent a request to Enbridge to discuss the proposed Project route.	N/A	Enbridge / March 15, 2022	Enbridge spoke with the Councillor from the City of Kawartha Lakes. The Councillor requested that Enbridge consider changing the route as there are many people along Centre Line to Pigeon Lake Road. The Councillor indicated the following: • There will be a future expansion from St Luke's Road going West. There will be a new subdivision called Downy Village on St, Luke's Road. The village itself will have approximately 250 – 300 people. Construction is slated to start this year with 23 homes being built by next year. • Natural gas access for the Pigeon Lake Trailer Park. Enbridge noted that the route had already been finalized, but the information would be recorded and shared with the Project team for internal discussion and awareness.
3	All Federal Agency, Provincial Agency, Conservation Authority contacts, and Municipal Officials noted on the Contact List (Appendix B1 of the ER)	Letter via Email	May 3, 2023	A Project Amendment letter was sent to all contacts on the contact list. The letter noted that Enbridge is proposing to file an updated application with the OEB no later than June 30, 2023, seeking an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities include the Supply Lateral and Eastern Reinforcement; however, the Eastern Reinforcement has since been reduced to approximately 8 km of NPS 6-inch XHP ST natural gas pipeline. There is no change to the proposed Supply Lateral. The updated Project scope is sufficiently covered in the Environmental Report prepared by Stantec.	N/A	N/A	N/A

Table 3: Summary of Project Correspondence – Agency

Record	Correspondent	Type	Date	Subject Matter	Forwarded/ Date	Responder/Date	Response
4	Beth McEachern Realty Manager Trent-Severn waterway National Historic Site Parks Canada	Email	May 3, 2023	Parks Canada confirmed receipt of the Project Amendment letter and noted that the letter would be forwarded to the Parks Canada permitting team.	N/A	N/A	N/A
5	Robin Yu Engineer, Fuels TSSA	Email	May 3, 2023	TSSA confirmed receipt of the Project Amendment letter and inquired if the letter was related to the Project for which an approval letter was sent by Kourosh Manouchehri (TSSA) dated January 6, 2022.	N/A	Stantec / May 4, 2023	Stantec responded to TSSA and confirmed that the Project Amendment letter was in regard to the same Project as the approval letter sent by Kourosh Manouchehri (TSSA) dated January 6, 2022.
6	Alexandre Gitkow Corridor Management Officer (Utility) Ministry of Transportation (MTO)	Email	May 4, 2023	MTO confirmed receipt of the Project Amendment letter and that the comments in their letter dated January 6, 2022, letter still apply.	N/A	N/A	N/A
7	Joel MacDonald Resource Management Officer II, Ontario Waterways Parks Canada	Email	May 3, 2023	Parks Canada replied to the Project Amendment letter noting that the previous Parks Canada correspondent is no longer with the organization, and they would like to be included as a contact moving forward. A request was made to review the Environmental Report (2021) that was referenced in the Project Amendment letter.	N/A	Stantec / May 16, 2023	Stantec responded to the request from Parks Canada and provided access to the Environmental Report (2021).

Bobcaygeon Community Expansion Project—Cultural Heritage Report: Existing Conditions and Preliminary Impact Assessment

FINAL REPORT

April 21, 2022

Prepared for:

Enbridge Gas Inc.
101 Honda Boulevard
Markham, Ontario L6C 0M6

Prepared by:

Stantec Consulting Ltd.
600-171 Queens Avenue
London, Ontario N6A 5J7

Project Number: 160951282

Executive Summary

Enbridge Gas Inc. (Enbridge) is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community with affordable natural gas. The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and will consist of a Reinforcement/Supply Lateral section consisting of approximately 50 kilometers (km) of a combination 6-inch and 8-inch steel and plastic natural gas pipeline. The project also includes a potential distribution section that consists of 41 kilometres of potential distribution natural gas pipeline ranging from NPS 2 to NPS 4. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

Stantec Consulting Ltd. (Stantec) was retained by Enbridge to conduct an environmental study. As part of this study, Stantec identified the need to consider previously identified and potential built heritage resources and cultural heritage landscapes as defined by Section 4.3.4 of the *Ontario Energy Board (OEB) Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario* (the *OEB Environmental Guidelines*) (OEB 2016). In order to identify the presence of previously identified and potential built heritage resources and cultural heritage landscapes within the Study Area, understand the potential impacts of the Project on these resources, and prepare mitigation strategies to minimize these impacts, it was determined that a *Cultural Heritage Report: Existing Conditions and Preliminary Impact Assessment* would be prepared.

The study methodology is broadly based on guidelines provided by Ministry of Heritage, Sport, Tourism, and Culture Industries within InfoSheet #5 in *Heritage Resources in the Land Use Planning Process, Cultural Heritage and Archaeology Policies of the Ontario Provincial Policy Statement, 2005* (Government of Ontario 2006b). The *OEB Environmental Guidelines* make provisions for the consideration of heritage in the pipeline development planning stage of the Project and stipulate that pipeline proponents are responsible for demonstrating the appropriate level of due diligence regarding heritage resources.

The Cultural Heritage Study Area consists of the Project Location surrounded by a 50 metre buffer and is based on property parcel data. The characterization of the Cultural Heritage Study Area using property parcel data is based on legislative treatment of heritage properties. This results in the identification of some properties which may contain potential built heritage resources and cultural heritage landscapes situated further than 50 metres from the Project location. This approach serves to screen properties for potential cultural heritage value or interest, as further described below.

Where a potential heritage resource was identified within the Study Area, an evaluation of the potential cultural heritage value or interest of the property, or properties, was undertaken. Where cultural heritage value or interest was identified, the property was determined to contain a heritage resource. A total of 53 previously identified and potential built heritage resources and cultural heritage landscapes were identified within the Reinforcement/Supply lateral section of the Study Area following evaluation. Within the potential distribution section, a total of 72 previously designated or newly identified potential built heritage resources or cultural heritage landscapes were identified following evaluation. For each



previously identified or potential built heritage resource or cultural heritage landscape an assessment of potential impacts resulting from the Project was undertaken. Where potential impacts have been identified, measures to mitigate the impact have been prepared.

Indirect impacts were identified for 16 properties situated within 50 metres of planned construction activities associated with the Reinforcement/Supply Lateral section of the project and are at risk for indirect, vibration-related impacts:

- 2427 Queen Mary Street, Township of Cavan Monaghan (BHR-3)
- 2454 Queen Mary Street, Township of Cavan Monaghan (BHR-4)
- 2460 Queen Mary Street, Township of Cavan Monaghan (BHR-5)
- 2464 Queen Mary Street, Township of Cavan Monaghan (BHR-6)
- Shield Cemetery, Southeast corner of Queen Mary Street and Hayes Line, Township of Cavan Monaghan (BHR-7)
- 9 Emily Park Road, City of Kawartha Lakes (BHR-8)
- 133 Emily Park Road, City of Kawartha Lakes (BHR-10)
- 182 Emily Park Road, City of Kawartha Lakes (BHR-11)
- 620 Emily Park Road, City of Kawartha Lakes (BHR-19)
- 39 Centreline Road, City of Kawartha Lakes (BHR-21)
- 1884 Pigeon Lake Road, City of Kawartha Lakes (BHR-31)
- 2432 Pigeon Lake Road, City of Kawartha Lakes (BHR-37)
- 3269 County Road 36, City of Kawartha Lakes (BHR-41)
- 3362 County Road 36, City of Kawartha Lakes (BHR-43)
- 28 Boyd Street, City of Kawartha Lakes (CHL-2)
- 647 Golf Course Road, City of Kawartha Lakes (BHR-48)

Indirect impacts were identified for 58 properties situated within 10 metres of planned construction activities associated with the Distribution section of the project and are at risk for indirect, vibration-related impacts:

- 47 Mansfield Street, City of Kawartha Lakes (DBHR-2)
- 79 Sherwood Street, City of Kawartha Lakes (DBHR-3)
- 64 Sherwood Street, City of Kawartha Lakes (DBHR-4)
- 72 Sherwood Street, City of Kawartha Lakes (DBHR-5)
- 64 King Street West, City of Kawartha Lakes (DBHR-6)
- 54 King Street West, City of Kawartha Lakes (DBHR-7)
- 8 King Street West, City of Kawartha Lakes (DBHR-8)
- 3 King Street East, City of Kawartha Lakes (DBHR-9)

- 11 King Street East, City of Kawartha Lakes (DBHR-10)
- 49 King Street East, City of Kawartha Lakes (DBHR-11)
- 30 King Street East, City of Kawartha Lakes (DBHR-12)
- 90 Bolton Street, City of Kawartha Lakes (DBHR-13)
- 25 King Street West, City of Kawartha Lakes (DBHR-14)
- 53 King Street West, City of Kawartha Lakes (DBHR-15)
- 23 Mansfield Street, City of Kawartha Lakes (DBHR-16)
- 19 Mansfield Street, City of Kawartha Lakes (DBHR-17)
- 43 Sherwood Street, City of Kawartha Lakes (DBHR-19)
- 65 Bolton Street, City of Kawartha Lakes (DBHR-21)
- 45 Bolton Street, City of Kawartha Lakes (DBHR-22)
- 43 Bolton Street, City of Kawartha Lakes (DBHR-23)
- 39 Bolton Street, City of Kawartha Lakes (DBHR-24)
- 35 Bolton Street, City of Kawartha Lakes (DBHR-25)
- 35 William Street, City of Kawartha Lakes (DBHR-27)
- 19 William Street, City of Kawartha Lakes (DBHR-28)
- 44 William Street, City of Kawartha Lakes (DBHR-29)
- 4 Need Street, City of Kawartha Lakes (DBHR-30)
- 18 Need Street, City of Kawartha Lakes (DBHR-31)
- 32 Need Street, City of Kawartha Lakes (DBHR-32)
- 21 Canal Street East, City of Kawartha Lakes (DBHR-33)
- 44 Front Street East, City of Kawartha Lakes (DBHR-34)
- 20 Front Street East, City of Kawartha Lakes (DBHR-35)
- 4 Front Street East, City of Kawartha Lakes (DBHR-36)
- 9 Front Street West, City of Kawartha Lakes (DBHR-37)
- 119 Front Street West, City of Kawartha Lakes (DBHR-38)
- 39 Main Street, City of Kawartha Lakes (DBHR-39)
- 55 Main Street, City of Kawartha Lakes (DBHR-40)
- 138 Main Street, City of Kawartha Lakes (DBHR-42)
- 116 Main Street, City of Kawartha Lakes (DBHR-43)
- 72 Main Street, City of Kawartha Lakes (DBHR-44)
- 60 Main Street, City of Kawartha Lakes (DBHR-45)
- 54 Main Street, City of Kawartha Lakes (DBHR-46)
- 48-50 Main Street, City of Kawartha Lakes (DBHR-47)

- 40 Main Street, City of Kawartha Lakes (DBHR-48)
- 40 Head Street, City of Kawartha Lakes (DBHR-50)
- 34 Head Street, City of Kawartha Lakes (DBHR-51)
- 10 John Street, City of Kawartha Lakes (DBHR-52)
- 33 John Street, City of Kawartha Lakes (DBHR-53)
- 18 Joseph Street, City of Kawartha Lakes (DBHR-54)
- 22 Joseph Street, City of Kawartha Lakes (DBHR-55)
- 82 Joseph Street, City of Kawartha Lakes (DBHR-57)
- 55 Queen Street, City of Kawartha Lakes (DBHR-58)
- 140 North Street, City of Kawartha Lakes (DBHR-59)
- 25 North Street, City of Kawartha Lakes (DBHR-60)
- 35 North Street, City of Kawartha Lakes (DBHR-61)
- 53 Reid Street, City of Kawartha Lakes (DBHR-66)
- 82 Balaclava Street, City of Kawartha Lakes (DBHR-68)
- N/A—Verulam Cemetery, Balaclava Street, City of Kawartha Lakes (DBHR-69)
- 81-87 Dunn Street, City of Kawartha Lakes (DCHL-2)

The preferred option is to avoid properties containing previously identified and potential built heritage resources and cultural heritage landscapes by establishing a buffer zone around the previously identified or potential built heritage resource or cultural heritage landscape. The preferred option should use appropriate preventative measures such as mapping of the previously identified or potential built heritage resource or cultural heritage landscape on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid previously identified and potential built heritage resources and cultural heritage landscapes. Where avoidance is not feasible, the alternative option, to complete a pre-construction vibration assessment, should be applied. This is recommended in order to determine if vibration monitoring or site plan controls are required. This should be carried out by a qualified building condition specialist or geotechnical engineer with previous experience working with heritage structures.

The executive summary highlights key points from the report only; for complete information and findings, the reader should examine the complete report.



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Abbreviations

BHR	Built Heritage Resource
CHL	Cultural Heritage Landscape
CHVI	Cultural Heritage Value or Interest
DBHR	Distribution Built Heritage Resource
DCHL	Distribution Cultural Heritage Landscape
ER	Environmental Report
MHSTCI	Ministry of Heritage, Sport, Tourism, and Culture Industries
MTO	Ministry of Transportation Ontario
N/A	Not Applicable
NPS	Nominal Pipe Size
O. Reg.	Ontario Regulation
OEB	Ontario Energy Board
OHA	*Ontario Heritage Act*
OHT	Ontario Heritage Trust
RoW	Right-of-Way

1.0 INTRODUCTION

1.1 PROJECT OVERVIEW

Enbridge Gas Inc. (Enbridge) is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community with affordable natural gas (Figure 1). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan. It will consist of a /Reinforcement/Supply Lateral section consisting of approximately 50 kilometers (km) of a combination 6-inch and 8-inch steel and plastic natural gas pipeline and a Reinforcement section consisting of approximately six kilometres of pipeline. Ongoing discussions are occurring with the Ministry of Transportation Ontario (MTO) to determine the route for the western reinforcement. If the route changes based on discussions with MTO, additional cultural heritage studies will be completed where required. The project also includes up to of 41 kilometres of potential distribution natural gas pipeline ranging from Nominal Pipe Size (NPS) 2 to NPS 4. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

The proposed Project is divided into two components: the Reinforcement/Supply Lateral section and the potential distribution section (Figure 1). For the Supply Lateral, the route will start near Cowan's Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channel. For the Reinforcement, the first portion starts near the intersection of Marina St. and Peace Road, travels east on Peace Road and south on Emily Park Road to Stewarts Line where it will end. The Study Area also contains a western reinforcement located on Highway 35 between Bethany Hills Road and Mount Horeb Road The potential distribution section is located in the communities of Lakeview Estates, Victoria Place, and Bobcaygeon.[1]

Stantec Consulting Ltd. (Stantec) was retained by Enbridge to conduct an environmental study. As part of this study, Stantec identified the need to consider previously identified and potential built heritage resources and cultural heritage landscapes as defined by Section 4.3.4 of the *Ontario Energy Board (OEB) Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario*[2] (the *OEB Environmental Guidelines*) (OEB 2016). In order to identify the presence of built heritage resources and cultural heritage landscapes within the Study Area, understand the potential impacts of the Project on these resources, and prepare mitigation strategies to minimize these impacts, it was determined that a *Cultural Heritage Report: Existing Conditions and Preliminary Impact Assessment* would be prepared.

[1] The proposed distribution pipelines have been developed for the purposes of an assessment of potential environmental and socioeconomic impacts and do not represent the final project scope/design that will provide access to natural gas to end use customers. If the scope changes, additional studies will be completed as required.
[2] The OEB Guidelines use 'cultural heritage resources', however, built heritage resources and cultural heritage landscapes better delineates between built features and archaeological resources. Therefore, built heritage resources and cultural heritage landscapes is used throughout this report except when quoting directly from policies or guidelines.

To meet these objectives, the report contains the following information:

- Summarizes the historical context of the area surrounding the Project
- Identifies properties protected under the *Ontario Heritage Act* (OHA) through information requests to the local heritage planners and regulatory bodies
- Identifies and describes previously identified or potential built heritage resources or cultural heritage landscapes situated on properties within the Study Area based on a windshield survey
- Evaluates the potential cultural heritage value or interest (CHVI) of previously identified or potential built heritage resource or cultural heritage landscape in the Study Area according to *Ontario Regulation* (O. Reg.) *9/06* (Government of Ontario 2006a)
- Identifies areas of potential impacts according to the Ministry of Heritage, Sport, Tourism, and Culture Industries (MHSTCI) *InfoSheet #5 in Heritage Resources in the Land Use Planning Process, Cultural Heritage and Archaeology Policies of the Ontario Provincial Policy Statement, 2005* (InfoSheet #5) (Government of Ontario 2006b)
- Establishes measures to mitigate negative direct or indirect impacts to previously identified or potential built heritage resources or cultural heritage landscapes associated with construction and operation of the Project

In order to identify an area where cultural heritage resources should be considered, a Cultural Heritage Study Area was defined (see Section 2.6 for additional information regarding potential indirect impacts). The cultural heritage Study Area consists of the Project Location plus a 50 metres buffer. A 50 metres buffer is used in order to encompass a wide enough buffer zone to employ a conservative approach to impact assessment.

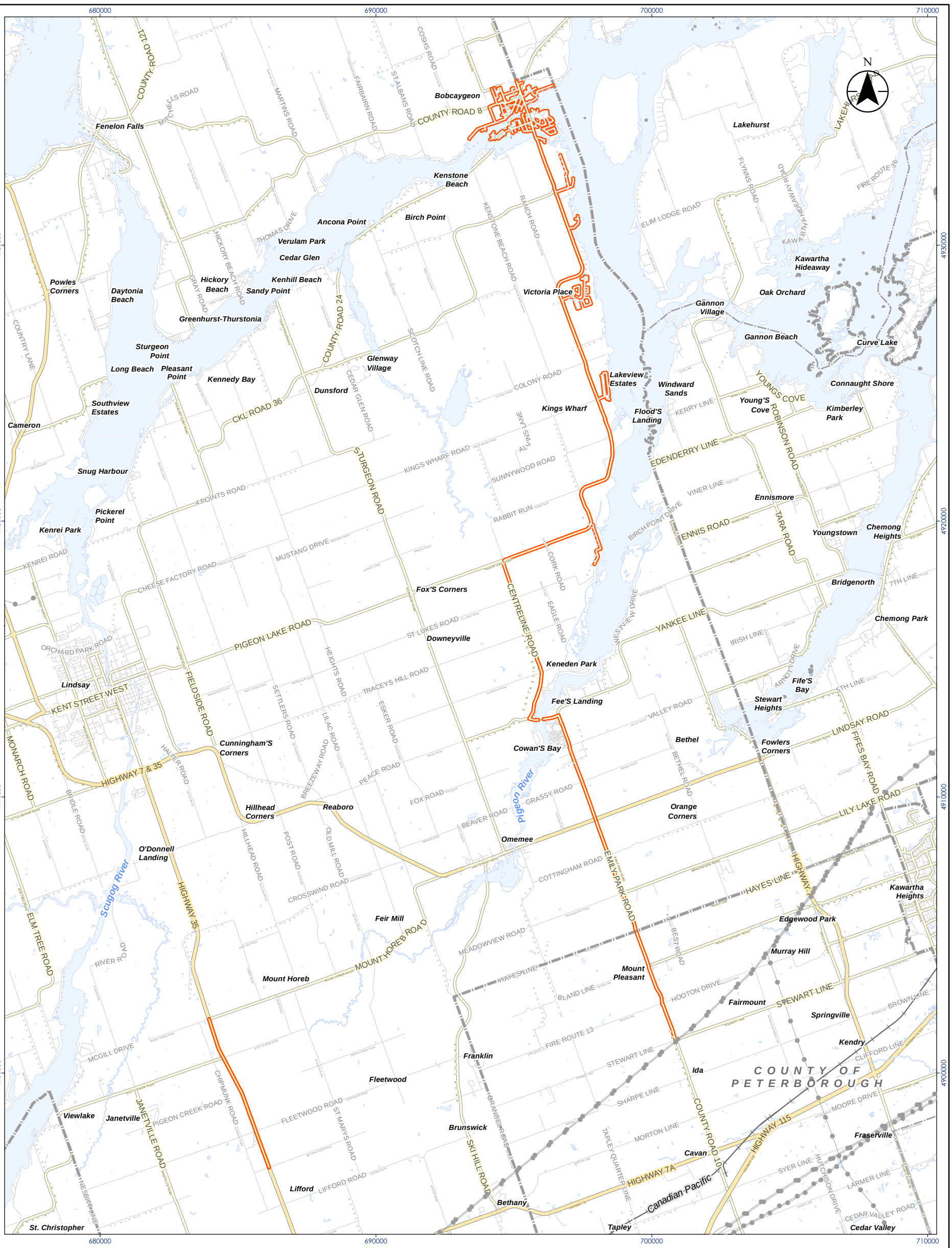
1.2 ACTIVITY SUMMARY

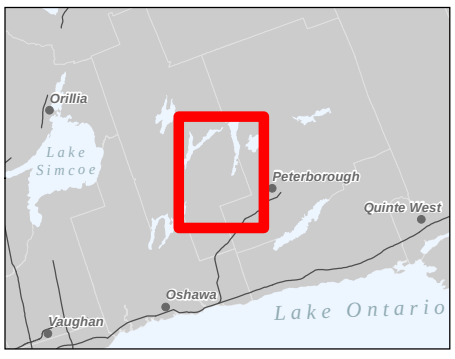
The pipeline construction process includes various activities as described below:

1. Stringing: The stringing crew lays pipe on wooden skids adjacent to the trench area.
2. Pipe Fabrication: Next, the pipe is bent as required and the welding crew welds the pipe into continuous lengths. The pipe welds are non-destructively tested and coated.
3. Trenching and Lowering: After the pipe is fabricated, a trenching machine or hydraulic hoe begins excavating a new trench. In agricultural areas, tiles that are cut during the trench excavation are flagged and repaired as quickly as practical. Crews also install pipes under obstacles such as roads or watercourses through a variety of different means.
4. Horizontal Directional Drilling: The drill set up area is graded; the work site is prepared for stringing of the drill pull section and drill entry and exit pits are excavated. The pipeline is then installed utilizing horizontal directional drilling.
5. Hoe-ram or blasting is a potential step that may be required. If bedrock is encountered during trenching, a hoe-ram will break up the rock to the required trench depth and width. Blasting may also be used to excavate through rock where necessary. Where hoe-ram and blasting are used to excavate bedrock material, potential impacts may include fly rock damage, increased noise, blasting

vibration, increase in water turbidity and potential disturbance to fisheries, nearby wells, and structural foundations.

6. Backfilling: The backfilling crew backfills the originally excavated soils over the pipe in the trench. In stony areas the pipe may be sand-padded to protect the coating. In shallow water table areas, the pipeline may be weighted to provide negative buoyancy. In agricultural areas, after the trench is backfilled, a tiling crew repairs disturbed or broken tiles. Landowners with tile drainage are given the opportunity to inspect tile repairs. A tile consultant is retained to oversee tile repairs and the design of a header tile system if required.
7. Hydrostatic Testing: The pipeline is then tested hydrostatically. Water is typically drawn by permit from nearby water sources such as watercourses or lakes, if available. Municipal water may at times also be used for hydrostatic testing. Upon completion of the hydrostatic testing, the pipeline is purged of air and packed with natural gas.
8. Clean-Up and Restoration: The clean-up crew is responsible for the restoration of the right-of-way (RoW) and other work areas. On agricultural land, this may require decompaction of the subsoil and stone picking to maintain productivity. In natural areas, the clean-up crew undertakes restoration including re-seeding of the RoW and restoring ditch banks, watercourse crossings, and wetland areas, and removing erosion and sediment controls. In developed areas the clean-up crew undertakes landscaping plans developed for site restoration.





Legend

- Cultural Heritage Study Area
- Hydro Line
- Expressway / Highway
- Major Road
- Minor Road
- Municipal Boundary
- Municipal Boundary, Lower
- Waterbody

Notes

1. Coordinate System: NAD 1983 UTM Zone 17N
2. Base features produced under license with the Ontario Ministry of Natural Resources and Forestry © Queen's Printer for Ontario, 2022.

0 2,500 5,000 metres

1:140,000 (At Original document size of 11x17)

Stantec ENBRIDGE

Project Location
City of Kawartha Lakes and County of Peterborough

160951282 REVA
Prepared by KB on 2022-04-12
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
1

Title
Location of the Study Area

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.

\\cd1215-f01\work_group\01609\Active\160951282\03_data\gis_cad\gis\mxds\HeritageVeport_figures\160951282_CH_Fig01_ProjectLocation_Bobcaygeon.mxd Revised: 2022-04-12 By: bstcour

2.0 METHODOLOGY

2.1 REGULATORY REQUIREMENTS

The study methodology is broadly based on guidelines provided by the MHSTCI within InfoSheet #5 (Government of Ontario 2006b). As discussed briefly in Section 1.0, the OEB Environmental Guidelines make provisions for the consideration of previously identified or potential built heritage resources or cultural heritage landscapes in the pipeline development planning stage of the Project. The OEB Environmental Guidelines stipulate that pipeline proponents are responsible for demonstrating the appropriate level of due diligence regarding previously identified or potential built heritage resources and cultural heritage landscapes. This involves both the identification of previously identified or potential built heritage resources and cultural heritage landscapes and the assessment of impacts of the Project on these resources. According to the OEB Environmental Guidelines, due diligence should be exhibited by:

- *Recognizing cultural heritage resources that may be affected by pipeline development, identifying significant cultural heritage resources and understanding their cultural heritage value or interest*
- *Assessing the effects or impacts that could result from proposed pipeline development*
- *Protecting cultural heritage resources by appropriate conservation, avoidance and mitigation*

(OEB 2016: 31-32)

In response to requirements outlined within InfoSheet #5, the *OEB Environmental Guidelines*, Stantec has identified previously identified and potential built heritage resources and cultural heritage landscapes; evaluated the impacts of the proposed undertaking on the previously identified or potential built heritage resource or cultural heritage landscape; and provided options to mitigate those impacts and to conserve protected properties, if applicable.

2.2 MUNICIPAL AND AGENCY INFORMATION REQUESTS

Requests for information from municipalities, agencies, and heritage-based organizations within which the Project is proposed was undertaken to determine the presence of listed, designated, or otherwise identified heritage properties within the Study Area. Stantec issued information requests to the City of Kawartha Lakes, Township of Cavan Monaghan, the Ontario Heritage Trust (OHT), the MHSTCI, and County of Victoria Historical Society. The result of each request is provided in Section 3.3.

Recognition of protected properties varies greatly and is dependent on the level of CHVI identified or, in some cases, the level of investigation undertaken. For the purpose of this study, any property previously identified by municipal staff or provincial agencies as containing, or having the potential to contain, CHVI was determined to be a protected heritage property. Specific requirements pertaining to these properties are described within the *OEB Environmental Guidelines* which emphasize that early identification allows the proponent to consider the impact the Project may have on protected heritage properties.

2.3 THEMATIC REVIEW: DESKTOP AND DATA SOURCES

A desktop review of historical information (local histories, archival material, government documents, and primary sources) and topographic mapping was conducted to provide information on the historical context of the Study Area and its surroundings. This included identifying the general nature of the area and its characteristics (e.g., commercial, residential, rural, industrial, natural landscape, etc.), determining when buildings or structures in the area were constructed, and identifying developments or changes to the area over time. The intent of this review was to determine the thematic development of the municipalities within the Study Area and inform the fieldwork approach to determine the presence of previously identified or potential built heritage resources or cultural heritage landscapes. The desktop review determined whether portions of the Study Area and/or individual properties contributed to the identified thematic frameworks (see Section 3.2). The presence of potential resources that contribute to the identified thematic development of the Study Area and surroundings was confirmed by the field survey and subsequent evaluations of potential heritage properties.

2.4 FIELD PROGRAM

A vehicular windshield survey was conducted by Frank Smith, Cultural Heritage Specialist, and Jenn Como, Material Culture Analyst, both with Stantec, between November 2, 2021, and November 4, 2021, from publicly accessible roadways, unless specified otherwise. A second vehicular windshield survey was conducted by Christian Giansante, Cultural Heritage Specialist also with Stantec, between February 8 and February 9, 2022. During the survey, the preferred route of the Study Area was surveyed for previously identified or potential built heritage resources or cultural heritage landscapes. Where identified, these were photographed, the characteristics noted while in the field, and their locations recorded.

In general, buildings and structures of more than 40 years of age were screened during the survey for their potential to satisfy O. Reg. 9/06 criteria and the MHSTCI *Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes* (MHSTCI 2016). Only properties containing buildings or structures determined to have potential to satisfy O. Reg. 9/06 were inventoried. The use of the 40-year threshold is generally accepted by both the federal and provincial authorities as a preliminary screening measure for cultural heritage interest or value. This practice does not imply that all buildings and structures more than 40 years of age are inherently of significant heritage value, nor does it exclude exceptional examples constructed within the past 40 years of being of significant cultural heritage value.

2.5 EVALUATION OF CULTURAL HERITAGE VALUE OR INTEREST

The criteria for determining CHVI are defined by O. Reg. 9/06. Each previously identified or potential built heritage resource or cultural heritage landscape was considered both as an individual structure and as part of a cultural landscape. Where potential for CHVI was identified, a property was assigned a built heritage resource (BHR) number or cultural heritage landscape (CHL) number.

2.5.1 Ontario Regulation 9/06

In order to identify cultural heritage value or interest at least one of the following criteria must be met:

1. The property has design value or physical value because it,

- *i. is a rare, unique, representative, or early example of a style, type, expression, material or construction method,*
- *ii. displays a high degree of craftsmanship or artistic merit, or*
- *iii. demonstrates a high degree of technical or scientific achievement.*

2. The property has historical value or associative value because it,

- *i. has direct associations with a theme, event, belief, person, activity, organization, or institution that is significant to a community,*
- *ii. yields, or has the potential to yield, information that contributes to an understanding of a community or culture, or*
- *iii. demonstrates or reflects the work or ideas of an architect, artist, builder, designer or theorist who is significant to a community.*

3. The property has contextual value because it,

- *i. is important in defining, maintaining, or supporting the character of an area,*
- *ii. is physically, functionally, visually, or historically linked to its surroundings, or*
- *iii. is a landmark.*

(Government of Ontario 2006a)

2.6 ASSESSMENT OF IMPACTS

Where a component of a previously identified or potential built heritage resource or cultural heritage landscape was situated within the Study Area, the impacts of the proposed undertaking were evaluated. The impacts, both direct and indirect, are evaluated according to InfoSheet #5.

Seven potential negative effects have been identified (Government of Ontario 2006b), including:

1. **Destruction** of any, or part of any, significant heritage attributes or features
2. **Alteration** that is not sympathetic, or is incompatible, with the historic fabric and appearance
3. **Shadows** created that alter the appearance of a heritage attribute or change the viability of a natural feature or plantings, such as a garden
4. **Isolation** of a heritage attribute from its surrounding environment, context, or a significant relationship
5. **Direct or indirect obstruction** of significant views or vistas within, from, or of built and natural features

6. **A change in land use** such as rezoning a battlefield from open space to residential use, allowing new development or site alteration to fill in the formerly open spaces
7. **Land disturbances** such as a change in grade that alters soils and drainage patterns that adversely affect an archaeological resource

This report also evaluates the potential for indirect impacts resulting from construction vibrations and the transportation of Project components and personnel. Operation of heavy construction equipment, including pile drivers and pavement breakers, can create seismic waves that radiate along the surface of the earth, and can be felt as ground vibration. As vibrations travel from a source, they excite the particles of rock and soil and cause the particles to move back and forth. This level of vibration dissipates as it travels away from its source (Wilson, Ihrig & Associates et al. 2012: 1-2). To establish appropriate buffer zones to capture vibration related impacts resulting from typical pipeline construction activities, Ken Cho, Ph.D., P.Eng., INCE, Senior Acoustic, Noise and Vibration Engineer with Stantec, was consulted. Mr Cho confirmed that for typical vibration levels induced by conventional pipeline construction equipment and methods, a 50 metre buffer is a reasonable screening criterion to preliminary identify the at-risk properties. Therefore, this area has been used to delineate the Study Area for the *Cultural Heritage Report: Existing Conditions and Preliminary Impact Assessment*.

The severity of soil movements depends primarily on type and compactness/consistency of the surrounding soils particularly between the source, receiver, and groundwater levels. The source character, duration, frequency of occurrences of vibration, and the foundation-footing interaction also contribute to the stress induced in structures. With regard to built structures, vibration can also have a variable impact depending on the building's mass, the stiffness of the building's main structural elements and its building materials. Wood and steel are more elastic than masonry, such as brick and stone. Interior finishes that are more susceptible to damage are those such as lath and plaster (Wilson, Ihrig & Associates et al. 2012: 2).

In the absence of in-situ soil data and considering the typical vibration levels induced by anticipated construction equipment associated with the proposed pipeline construction, two buffers to delineate the area of potential vibration effects have been established. First, a 50 metre buffer surrounding all pipeline construction activities was established to identify a preliminary zone of influence for these activities. Second, a 10 metre buffer surrounding all potential distribution line activities was established to reflect a reduced zone of influence given the significant difference in construction activity requirements (i.e. hand or small machine excavation compared to horizontal directional drilling or large earth movements).

It is not anticipated that vibration monitoring will be required for all built heritage resources or cultural heritage landscapes identified within these two zones of influence. Rather, it is anticipated that properties determined to be within these two potential zones of influence will be reviewed as part of pre-construction vibration assessment as recommended in order to determine appropriate distance from pipeline construction and potential distribution activities. As further discussed within Section 5, this assessment should take place following determination of detailed construction approach including identification of machinery to be used.



Indirect impacts resulting from land disturbances apply to archaeological resources, which are beyond the scope of this assessment. An Archaeological Assessment has been prepared under separate cover which addresses the archaeological potential of the Study Area and includes recommendations for further work (Stantec 2021). No further consideration to archaeological resources is provided in this report.

2.7 MITIGATION STRATEGIES

Mitigation strategies were prepared based on guidelines provided by both the MHSTCI and the OEB. The MHSTCI suggest methods of minimizing or avoiding negative direct or indirect impacts including, but not limited to:

- *Alternative development approaches*
- *Isolating development and site alteration from significant built and natural features and vistas*
- *Design guidelines that harmonize mass, setback, setting, and materials*
- *Limiting height and density*
- *Allowing only compatible infill and additions*
- *Reversible alterations*
- *Buffer zones, site plan control, and other planning mechanisms*

(Government of Ontario 2006b)

In the case of pipeline projects, as discussed in more detail in Section 2.6, buffer zones and site plan controls are often the most appropriate method of mitigation when used in combination with alternative development approaches.

3.0 EXISTING CONDITIONS

3.1 BACKGROUND AND HISTORICAL RESEARCH

3.1.1 Introduction

The Study Area is located in central Ontario within the City of Kawartha Lakes (former County of Victoria and County of Durham) and the County of Peterborough (Table 2). The Study Area begins in the Township of Cavan-Monaghan, Peterborough County, and continues north on Emily Park Road into the City of Kawartha Lakes. The Study Area continues in a generally northern direction until it reaches the community of Bobcaygeon. This route contains Reinforcement/Supply Lateral and potential distribution sections. The Study Area also contains a western reinforcement located on Highway 35 between Bethany Hills Road and Mount Horeb Road.

The Study Area spans the following historical lots and concessions in the former Township of Manvers, present-day City of Kawartha Lakes:

- Lots 11 to 12 Concession 10
- Lots 11 to 12, Concession 11
- Lots 11 to 12, Concession 12
- Lots 11 to 12 Concession 13
- Lots 10 Concession 14

The Study Area spans the following historical lots and concessions in the former Township of Ops, present-day City of Kawartha Lakes:

- Lot 1, Concession 5

The Study Area spans the following historical lots and concessions in the former Township of Cavan, present-day Township of Cavan-Monaghan:

- Lots 12 to 13, Concession 11
- Lots 12 to 13, Concession 12
- Lots 12 to 13, Concession 13
- Lots 12 to 13, Concession 14

The Study Area spans the following historical lots and concessions in the former Township of Emily, present-day City of Kawartha Lakes:

- Lots 12 to 13, Concession 1
- Lots 12 to 13, Concession 2
- Lots 11 to 13, Concession 3
- Lots 12 to 13, Concession 4
- Lots 12 to 13, Concession 5
- Lots 11 to 13, Concession 6
- Lots 11 to 13, Concession 7
- Lots 12 to 15, Concession 8
- Lots 12 to 16, Concession 9
- Lots 12 to 19, Concession 10
- Lots 12 to 20, Concession 11
- Lots 19 to 22, Concession 12
- Lots 21 to 22, Concession 13
- Lots 21 to 23, Concession 14

The Study Area spans the following historical lots and concessions in the former Township of Verulam, present-day City of Kawartha Lakes:

- Lots 1 to 17, Concession 10
- Lots 1 to 6, Concession 9

The following sections outline the historical development of the Study Area from the period of colonial settlement to the present-day.

3.1.2 Physiography

The Study Area is situated within the Peterborough Drumlin Field and Dummer Moraines physiographic regions of southern Ontario. The majority of the Study Area is located within the Peterborough Drumlin Field and only a small part of the Study Area located within the community of Bobcaygeon is located in the Dummer Moraines.

The Peterborough Drumlin Field extends from Simcoe County in the west to Hastings County in the east and encompasses about 2,815 square kilometres. The region contains about 3,000 drumlins. A drumlin is a type of hill consisting of rock, sand, and gravel that was formed by glacial activity. Within the City of Kawartha Lakes, the till contains large quantities of limestone rubble and the bedrock is often close to the surface (Chapman and Putnam 1984: 169-170). Agriculture is made difficult in the region by the rocky soil, steep slopes, and swampy hollows. By the mid-20th century, about 40% of the farmland in the region was

used for grazing and the City of Kawartha Lakes was known for its beef cattle livestock (Chapman and Putnam 1984: 171-172).

The Dummer Moraines is an area of rocky land bordering the Canadian Shield east of the Kawartha Lakes. The area encompasses about 965 square kilometres. Agriculture in this region was impeded by the rocky and drought prone soil. Historically, about half of the occupied land in this region was placed into agricultural use and much of it was used as pasture. During the mid-20th century agricultural activity in this region steadily declined and many of the remaining farms specialized in beef cattle livestock (Chapman and Putnam 1984: 185-186).

3.1.3 Survey and Settlement

3.1.3.1 Township of Emily

The Township of Emily was surveyed in 1818 by Samuel Wilmot (Stephenson 1995: 23). The township was surveyed using the single front survey system (Association of Ontario Land Surveyors [AOLS] 1997). The single front survey system was used in Upper Canada between 1783 and 1818. Townships surveyed during later years, including Emily Township, were surveyed into lots 30 chains wide (1,980 feet) by 66.67 chains deep (4,400 feet). Each lot contained 200 acres (Weaver 1968: 14). The township was named in honour of Emily Charlotte, a sister of the Duke of Richmond. The duke was Governor-General of Canada between 1817 and 1819 (Gardiner 1899: 199; Kirkconnell 1967: 15).

The first land grants in Emily Township were issued in June 1819 and included mostly Loyalists, military veterans, and Irish Protestants. Many of these early patent holders were speculators and few actually settled in the township (Stephenson 1995: 22-23).

Settlement of Emily Township began in earnest in 1821 when 400 Irish Protestants from the County of Fermanagh settled in the southern part of Emily Township. The first mill in the township was built by one of these settlers along Pigeon Creek in 1825. That same year, Emily Township received an influx of about 700 Irish Catholic settlers from County Cork. These settlers were part of the wider Robinson Immigration sponsored by the British government and supervised by Peter Robinson, a member of Upper Canada's political elite (Kirkconnell 1967: 16-17). These settlers were located on 142 lots in mostly northern sections of the township (Stephenson 1995: 56). By 1830, over 50% of the available lots in Emily Township had been occupied and the average farmer had cleared 7.5% of their land (Stephenson 1995: 62).

3.1.3.2 Township of Verulam

The Township of Verulam was surveyed in 1823 by John Huston (AOLS 1997; Knox *et al.* No Date [N.D.]). The township was surveyed using the double front survey system (Plate 1). Verulam Township was named in honour of James Walter Grimson, Earl of Verulam (Gardiner 1899: 201). Prior to the formal surveying of Verulam Township, the trader Billy McDeough resided near present-day Bobcaygeon and traded with local Indigenous peoples (Kirkconnell 1967: 52). The survey of the township was completed in 1831 and the township was opened to settlement in 1832 (Knox *et al.* n.d.: 2). However, early settlement of the township was impeded by land speculation (Kirkconnell 1967: 52; Knox *et al.* n.d.: 2).



Plate 1: Double Front Survey System (Dean 1969)

The first settlers in the township were John Hunter and William Bell. Hunter settled along the southeast corner of the township and Bell settled just north of present-day Bobcaygeon (Kirkconnell 1967: 52). Early settlers in Verulam Township included military veterans and immigrants from the British Isles. The military veterans primarily settled near Sturgeon Lake (Kirkconnell 1967: 52).

In 1832, a mill was built at present-day Bobcaygeon by Thomas Need (Kirkconnell 1967: 53-54). A hamlet developed around the mill originally known as St. Albans (Thomas 1980: 18). In 1840, a lock was completed at Bobcaygeon to facilitate shipping. In 1844, Need sold his interests in Bobcaygeon to Mossom Boyd (Kirkconnell 1967: 54)

3.1.3.3 Township of Cavan

The Township of Cavan was surveyed in 1817 by Samuel Wilmot and assisted by John Deyell (AOLS 1997; Millbrook and Cavan Historical Society 2021). The township was surveyed using the single front system (AOLS 1997). Cavan Township was named after the County of Cavan, Ireland and was likely named by John Deyell, who was from Cavan (Gardiner 1899: 195; Millbrook and Cavan Historical Society 2021). Unlike the Townships of Emily, Ops, and Verulam, the Township of Manvers was originally part of the County of Durham.

For the most part early settlers in the township were from the northern part of Ireland; others came from Great Britain and southern Ireland. John Deyell was among the earliest settlers in Cavan Township and settled on Lot 23, Concession 3. His property contained the first lodging house between Port Hope and Peterborough. In the early 1820s, he built the first mill in the township (Millbrook and Cavan Historical Society 2021).

3.1.3.4 Township of Ops

The Township of Ops was surveyed between 1824 and 1825 by Duncan McDonell (Carr 1968: 3). The township was surveyed using the double front survey system (AOLS 1997). The double front system was widely used in Upper Canada between 1815 and 1829. This survey system created lots of 200 acres with road allowances located in front of each concession and every fifth or sixth lot (Plate 1). This system allowed 100-acre grants of half lots since road allowances were located on both the front and rear halves

of the lot (Weaver 1968: 14,16). The word *ops* is Latin for wealth or riches. In Roman mythology, Ops was the wife of Saturn and goddess of plenty and fertility (Gardiner 1899: 200; Carr 1968: 3).

The first land grants in Ops Township were issued in 1825 to the brothers Patrick and John Connel. Both brothers settled in the township. In 1826, the surveyor Duncan McDonell was awarded 2,833 acres in the township in lieu of cash payment for the survey of the township. He did not settle in the township, but two of his assistants took up land in the township that was part of his grant (Kirkconnell 1967: 28). Many of the early settlers to Ops Township were Irish and some were part of the Robinson Immigration (Carr 1968: 4). The first sawmill was opened in Ops Township at present-day Lindsay in 1828 along the Scugog River (Carr 1968: 18-19). By the 1830s, most of the settlement in the township was along the southwest corner of the township and the eastern edge of the township (Carr 1968: 4; Kirkconnell 1967: 4).

3.1.3.5 Township of Manvers

The Township of Manvers was surveyed between 1816 and 1817 by Samuel Wilmot (AOLS 1997; Manvers Historical Society 2017). The township was surveyed using the single front system (AOLS 1997). The township was named in honour of Charles Pierrepoint, the Earl of Manvers from 1806 to 1816 (Gardiner 1899: 196). Unlike the Townships of Emily, Ops, and Verulam, the Township of Manvers was originally part of the County of Durham.

The first settler in the township was Joseph Porter, who settled in 1816. The overall pace of settlement during the 1810s and 1820s was slow (Manvers Historical Society 2017). Early settlers in the township included Loyalists and their heirs, and Irish and English immigrants (Manvers Historical Society 2017; Belden 1878).

3.1.4 19th Century Development

3.1.4.1 Township of Emily

Between 1832 and 1850, the population of Emily Township increased from 1,095 to 2,461 (Pammett 1974: 50). In 1846, a total of 33,357 acres of land in the township was occupied and 5,339 acres were under cultivation (Smith 1846: 54). *Smith's Canadian Gazetteer* described Emily Township as a "…a good township, and is well settled by a mixed population, principally Irish Protestants" (Smith 1846: 54). Land remained available in the township and in 1846 there were 4,000 acres of crown land available at the price of eight shillings per acre (Smith 1846: 54). The Robinson settlers remained a significant part of the township population and in 1848 there were 122 lots in the township still in the possession of Robinson settlers (Pammett 1974: 51).

During the 1850s, concerted efforts were made to improve the transportation network in the township. The conditions of roadways were improved and stagecoach service between Lindsay and Peterborough was implemented in 1851. However, roadway conditions remained arduous, and it was difficult for farmers to bring their produce to markets. Farmers clamored for access to a railway to facilitate the rapid transportation of their produce. In 1857, the Port Hope, Lindsay, and Beaverton Railway was completed, and the first train ran between Port Hope and Lindsay in October 1857 (Pammett 1974: 124-125). By 1865

rail service operated once daily each way and the trip between Port Hope and Lindsay took three- and one half hours (Pammett 1974: 126). Transportation in Emily Township was further improved in the 1870s when the Trent-Severn Waterway was completed through the Pigeon River (Pammett 1974: 127.

The population of Emily Township was recorded as 3,923 people in 1861 (Pammett 1974: 94). The Agricultural Census of 1861 listed that Emily Township contained 469 farmsteads which occupied 51,066 acres of land. A total of 14,555 acres of land was under crops, 9,280 acres of land in pasture, and 281 acres of orchards or gardens. The main crop grown in the township was wheat (Census of Canada 1861).

After 1861, the population of Emily Township entered into a decline for the remainder of the 19th century. Between 1871 and 1891, the population of the township decreased from 3,790 to 2,603 (Dominion Bureau of Statistics 1953a). Part of the decrease is due to the incorporation of the hamlet of Omemee as a village in 1874 (Pammett 1974: 94). The overall contraction of population in the township was part of a broader trend of urbanization in the late 19th and early 20th centuries. The emergence of industrialization and urbanization increased the number of wage workers required in cities and towns. At the same time, improvements in farm equipment and the mechanization of farming meant that less labour was required on a farm (Sampson 2012). This encouraged out-migration from rural areas to the burgeoning cities of Ontario (Drummond 1987: 30). Historical mapping from 1881 shows the rural character of the township (Figure 3).

3.1.4.2 Township of Verulam

The harsh terrain north of Sturgeon Lake impeded the settlement of Verulam Township (Kirkconnell 1967: 51). By 1846, only 9,298 acres of land were occupied and just 956 acres were under cultivation. A total of 8,817 acres of land was available for sale in Verulam Township at eight shillings an acre (Smith 1846: 200). While Verulam Township contained sections of arable land, generally better land could be purchased for the same price in the more heavily settled southern townships of Emily and Ops. In 1857, the lock at Bobcaygeon was rebuilt (Kirkconnell 1967: 54).

The population of Verulam Township reached its peak in 1871 when the township contained a population of 2,692, an increase of 2,121 since 1851 (Census of Canada 1851; Dominion Bureau of Statistics 1953a). The Census of 1871 indicated that the township contained 338 farmsteads on a total of 40,783 acres of land. A total of 17,496 acres was considered improved and included 13,821 acres under crops, 3,431 acres in pasture, and 244 acres of gardens or orchards (Census of Canada 1871). During the later decades of the 19th century, cheese production became increasingly important in the township and several cooperative cheese factories were opened (Knox *et al.* n.d.: 35).

In 1877, the hamlet of Bobcaygeon was incorporated as a village (Kirkconnell 1967: 55). The settlement at Bobcaygeon is located in the Study Area and was the largest community in Verulam Township. It had grown partly due to its connection with the Boyd family. The Boyd family owned a large timber business that cut logs throughout the Trent watershed. To support their lumber business, the Boyd family supported the completion of the Trent-Severn Waterway and operated mills in Bobcaygeon (Turner 1998). Between 1881 and 1891 the population of Bobcaygeon increased from 750 to 1,018 (Dominion Bureau of Statistics 1953a). Historical mapping from 1881 shows the extent of the development of Bobcaygeon and the rural nature of the surrounding area (Figure 5).

While the population of Bobcaygeon burgeoned in the late 19th century, the population of Verulam Township entered into a decline beginning in 1881. However, part of this decreased between 1871 and 1881 was due to the incorporation of Bobcaygeon. Between 1881 and 1891 the population of Verulam Township declined from 2,747 to 2,291 (Dominion Bureau of Statistics 1953a).

3.1.4.3 Township of Cavan

The Township of Cavan was heavily settled by the 1840s as compared to other townships within the Study Area. In 1842 the population of the township was recorded as 3,086. In 1846, the township contained 52,128 acres of occupied land and 15,277 acres of land was under cultivation. The township also had numerous industries including a distillery, four grist mills, and seven sawmills. The township was described as “well settled” (Smith 1846: 29). However, 1,000 acres of crown land remained available for sale at eight shillings per acre (Smith 1846: 29). In 1857, rail service began in the township when the Port Hope, Lindsay, and Beaverton Railway was completed (Peltenburg 2021).

The population of Cavan Township reached its peak in 1861 when the population was recorded as 4,901. Census records from 1861 recorded a total of 468 farmsteads within the township occupying 57,809 acres of land. A total of 19,762 acres were under crops, 13,153 acres in pasture, and 239 acres were gardens or orchards (Census of Canada 1861). The township began a period of steep population decline between 1871 and 1891 when the population decreased from 4,761 to 3,106 (Dominion Bureau of Statistics 1953a). Historical mapping from 1878 shows the rural character of the area (Figure 7).

3.1.4.4 Township of Ops

The Township of Ops continued to develop in the 1840s and 1850s. The township benefited from its position along the Scugog River and the hamlet of Lindsay developed at the location of the mill. In 1844, navigation along the Scugog was improved with the construction of a 131-foot-long lock in 1844. Vessels using the lock could travel west to Fenelon Falls or east to Bobcaygeon (Kirkconnell 1967: 32). By 1846, 32,024 acres of land were occupied in the township and 4,379 acres of land were under cultivation. A large amount of land remained available in the township and in 1846 there were 6,971 acres of crown land for sale at 8 shillings per acre (Smith 1846: 134). The population of Ops Township was recorded as 2,512 in 1851 (Census of Canada 1851).

In 1855, the lock at Lindsay was replaced with a timber slide due to financial losses (Kirkconnell 1967: 32). In 1857, the completion of the Port Hope, Lindsay, and Beaverton Railway replaced the river as the primary means of transportation in the township. The prosperity brought by the railway led to the incorporation of Lindsay as a town in 1857 (Kirkconnell 1967: 107-108). In 1870, the timber slide at Lindsay was replaced with a new lock as part of the Trent-Severn Waterway (Kirkconnell 1967: 32).

The population of Ops Township reached its 19th century peak in 1881 when it had a population of 3,358 (Dominion Bureau of Statistics 1953a). The Agricultural Census of 1881 listed the township as containing 530 farmsteads. A total of 30,401 acres was under crops, 5,410 acres in pasture, and 585 acres were gardens or orchards. Wheat was the most important crop in the township and 8,819 acres were used for growing wheat (Census of Canada 1881). Cheese factories also became an important component of the

local economy in the late 19th century and these factories were generally operated as a co-operative (Carr 1968: 61-62). By 1891, the population of Ops Township had decreased to 2,926 (Dominion Bureau of Statistics 1953a).

3.1.4.5 Township of Manvers

The population of the Township of Manvers was recorded as 697 in 1842 (Smith 1846: 110). *Smith's Canadian Gazetteer* noted that 400 acres of crown land were available in the township for eight shillings per acre. However, the gazetteer cautioned that "The land in this township is of mixed qualities, some parts being very good, and others rather indifferent" (Smith 1846: 110). The population of Manvers Township increased rapidly during the 1840s and reached 2,568 in 1851 (Census of Canada 1851). In 1857, rail service began in the township when the Port Hope, Lindsay, and Beaverton Railway was completed (Peltenburg 2021). The advent of rail service led to the growth of the hamlet of Bethany, the largest community in Manvers Township (Manvers Historical Society 2017).

The population of Manvers Township reached a peak in 1871 with a population of 4,114 (Dominion Bureau of Statistics 1953a). The Census of 1871 indicated that the township contained 578 farmsteads on 61,311 acres of land. A total of 35,288 acres of land was considered improved and contained 28,810 acres under crops, 6,002 acres under pasture, and 476 acres of gardens or orchards (Census of Canada 1871). The population of Manvers Township remained relatively steady between 1881 and 1891, increasing slightly from 3,976 to 4,047 (Dominion Bureau of Statistics 1953a).

3.1.5 20th Century Development

3.1.5.1 Township of Emily

The population of the Township of Emily continued to decline in the early 20th century. Between 1901 and 1911, the population decreased from 2,304 to 2,121 (Dominion Bureau of Statistics 1953a). The Census of 1911 recorded a total of 642 farmsteads in the township occupying 59,676 acres of land. A total of 42,572 acres was considered improved (Census of Canada 1911). Infrastructure improvements carried out in the township during the early 20th century include the advent of telephone service in 1904 and the electrification of the area beginning in 1920 and continuing into the 1950s (Pammett 1974: 208) In response to the increasing prevalence of the automobile, the township greatly increased its road maintenance budget in the early 20th century. Between 1900 and 1930 the road budget increased from $1,500 to $15,000 (Pammett 1974: 193).

Between 1921 and 1931 the population of Emily Township stabilized. The population was listed as 1,888 in 1921 and 1,882 in 1931 (Dominion Bureau of Statistics 1953a). Beginning in the 1930s, farming in the township increasingly turned to specialization in livestock. Between 1921 and 1941 the production of cattle and sheep more than doubled, hog production tripled, and most farms continued to rely on horses rather than tractors (Pammett 1974: 234). Township farms also produced cheese, milk, and cream, which could

easily be transported to population centres like Toronto via train (Pammett 1974: 241). Topographic mapping from 1938 shows the rural nature of the township (Figure 8).

After the Second World War the population of the township began to grow again. Between 1951 and 1961 the population increased from 1,579 to 1,691 (Dominion Bureau of Statistics 1953a, 1962). In 1951, the township contained 310 farm operators and a total of 52,923 acres of land was occupied (Dominion Bureau of Statistics 1953b). Aerial photography from 1954 shows the agricultural character of the township during the 1950s (Figure 9).

During the postwar period, the township combined some municipal services with the Village of Omemee and the County of Victoria (Pammett 1974: 261). In 1954, the township offered 67 acres of land to the provincial government for the opening of a provincial park. In 1957, Emily Provincial Park was opened, and it received 25,113 visitors in 1958 and 169,503 visitors in 1962. The Park is located adjacent to the Study Area and was influential in attracting tourists and cottagers to the wider Kawartha Lakes area (Pammett 1974: 275).

The Township of Emily remained rural and predominantly agricultural in the late 20th century. The major economic driver of the township continued to be livestock production, but tourism also became an increasingly important component of the economy (Pammett 1974: 276; Chapman and Putnam 1984: 171-172). Beginning in the mid-1990s, the provincial government embarked on a program of municipal restructuring to reduce the total number of municipalities in Ontario. Between 1996 and 2001, the number of municipalities in Ontario was reduced from 815 to 471 (Rusk 2000). In 2001, Emily Township and all the municipalities of Victoria County were amalgamated into the new City of Kawartha Lakes (Walker 2021). The population of the City of Kawartha Lakes was recorded as 75,423 in 2016, an increase of three percent since 2011 (Statistics Canada 2021a).

3.1.5.2 Township of Verulam

The population of Verulam Township continued to decline in the early 20th century. The population decreased from 2,130 in 1901 to 1,673 in 1921 (Dominion Bureau of Statistics 1953a). The Census of 1911 recorded 429 farmsteads in the township on a total of 55,103 acres of land. A total of 31,236 acres of land was considered improved (Census of Canada 1911).

The population of the Village of Bobcaygeon slightly increased during the same period from 914 to 1,095 (Dominion Bureau of Statistics 1953a). The Village produced lumber, lime, and building stone (Kirkconnell 1967: 188). Despite its modest growth and several industries, the village remained relatively isolated from other communities in Victoria County and the Central Ontario region. At the dawn of the 20th century, no paved road led to Bobcaygeon and it was relatively far from Lindsay and Peterborough. Despite attempts in the 19th century, the village was not serviced by rail (Kirkconnell 1967: 55; Knox *et al.* n.d.: 37-38). In 1903, the Canadian Pacific Railway took over the lease of the unbuilt Bobcaygeon, Lindsay, and Pontypool Railway Company. In 1904 the Canadian Pacific Railway completed a railway line from Lindsay to Bobcaygeon (Kirkconnell 1967: 188). Telephone service was introduced to the Village in 1907 (Knox et al n.d.: 44).

The population of Verulam Township continued to decline into the mid-20th century. Between 1931 and 1951, the population declined from 1,673 to 1,298 (Dominion Bureau of Statistics 1953a). During this period the numerous cheese factories located in the township closed and the last closed at Bobcaygeon during the early 1950s (Knox *et al.* n.d.: 36). Topographic mapping from 1938 and aerial photography from 1954 shows the development of Verulam Township and Bobcaygeon in the mid-20th century (Figure 8 and Figure 9).

The Village of Bobcaygeon became a popular cottaging and tourist destination during the mid-20th century as road conditions improved. By the 1950s, the number of people who spent summers in Bobcaygeon was greater than the year-round residents. Improvements undertaken in Bobcaygeon during the 1950s included a new municipal building and library, new public school, and a new arena (Kirkconnell 1967: 56). The population of Bobcaygeon was recorded as 1,207 in 1951 (Dominion Bureau of Statistics 1953). Despite the prosperity and growth of Bobcaygeon during the mid-20th century, railway service was discontinued in 1962 as a result of the increasing prevalence of the automobile (Knox *et al.* n.d.: 38).

Verulam Township continued to be rural in the late 20th century and into the present-day. Most of the agricultural activity takes places in the southern sections of the township, south of the Trent-Severn Waterway. In 1998, the popular Canadian rock band the Tragically Hip released the song Bobcaygeon on their 1998 album *Phantom Power.* The song became a staple of Canadian rock and led to Bobcaygeon gaining widespread name recognition throughout the country (Lee 2016). In 2001, Verulam Township, Bobcaygeon, and all the municipalities of Victoria County were amalgamated into the new City of Kawartha Lakes (Walker 2021). The population of the City of Kawartha Lakes was recorded as 75,423 in 2016, an increase of three percent since 2011 (Statistics Canada 2021a).

3.1.5.3 Township of Cavan

The population of the Township of Cavan declined during the first decades of the 20th century. Between 1901 and 1921 the population decreased from 2,729 to 2,188. The Census of 1911 recorded 635 farmsteads in the township that occupied 62,026 acres of land. A total of 45,944 acres of land was considered improved (Census of Canada 1911). The township population decreased to 1,844 in 1941 before rebounding slightly to 1,879 in 1951 (Dominion Bureau of Statistics 1953a). The Census of 1951 recorded 354 total farm operators in 1951 and listed 58,151 acres of land occupied (Dominion Bureau of Statistics 1953b). Topographic mapping from 1938 and aerial photography from 1954 show the rural character of the area (Figure 8 and Figure 9).

Historically, Cavan Township was located in Durham County. In 1973, the southern areas of Durham County were replaced with the Regional Municipality of Durham. The more rural Cavan Township did not join the regional government and the township was transferred to Peterborough County (Archives of Ontario 2015). In 1998, Cavan Township was amalgamated with North Monaghan Township and the Village of Millbrook to become the Township of Cavan-Millbrook-North Monaghan. In 2007, the township changed its name to the Township of Cavan Monaghan (Township of Cavan Monaghan 2020). Lacking a shoreline along one of the Kawartha's Lakes, tourism did not become as important in this township. Nevertheless, the township contains numerous golf courses, theatres, and trails that are promoted as part

of the Peterborough and Kawarthas area (Township of Cavan Monaghan 2020). The population of the township was recorded as 8,829 in 2016, an increase of 2.7% since 2011 (Statistics Canada 2021b).

3.1.5.4 Township of Ops

The population of the Township of Ops increased from 2,610 in 1901 to 2,746 in 1911. This was the only township in Victoria County to increase in population between 1901 and 1911 (Dominion Bureau of Statistics 1953a). This growth is likely linked to the outskirts of Lindsay, the largest community in Victoria County. The Census of 1911 recorded a total of 583 farmsteads in the township occupying 55,662 acres of land. A total of 42,167 acres of land was considered improved (Census of Canada 1911). By the early 20th century, road conditions in the township had generally improved. As a result, township farmers increased their production of livestock, including dairy farming. Most of the dairy and livestock products were shipped to the growing City of Toronto for consumption (Carr 1968: 9).

After 1911, the Township of Ops once again began to decline in population. Between 1921 and 1941 the population declined from 2,310 to 1,998 (Dominion Bureau of Statistics 1953a). The township began to grow modestly in the postwar period and the population increased to 2,074 in 1951 (Dominion Bureau of Statistics 1953a). The adjacent Town of Lindsay saw modest industrial growth in the mid-20th century. This did not result in a substantial drain from the farm population of Ops Township, nor did it result in much township farmland being acquired for industrial use (Carr 1968: 9). The total number of farm operators in Ops Township was recorded as 351 and 56,474 acres of land was occupied (Dominion Bureau of Statistics 1953b). However, during the 1950s, the Town of Lindsay annexed 2,100 acres of land from Ops Township (Carr 1968: 70).

By 1961, the population of the Township had increased to 2,359. Much of this growth was unrelated to agriculture. The growth was attributed to new residences built on residential lots. These newcomers to Ops Township were attracted to the area by the open spaces and recreational opportunities available (Carr 1968: 70). In 1965, the township built a new municipal office as a centennial project and began construction of a 300-student capacity elementary school. This new elementary school would replace 11 small rural schoolhouses in the township (Kirkconnell 1967: 35). The township continued to be primarily rural and agricultural during the late 20th century. In 2001, Ops Township and all the municipalities of Victoria County were amalgamated into the new City of Kawartha Lakes (Walker 2021). The population of the City of Kawartha Lakes was recorded as 75,423 in 2016, an increase of three percent since 2011 (Statistics Canada 2021a).

3.1.5.5 Township of Manvers

The population of the Township of Manvers decreased during the early 20th century. Between 1901 and 1921 the population decreased from 3,357 to 2,504 (Dominion Bureau of Statistics 1953a). The Census of 1911 recorded a total of 537 farmsteads in the township encompassing 67,155 acres. A total of 45,628 acres was considered improved (Census of Canada 1911). The hamlet of Bethany remained the largest settlement in Manvers Township and a new township hall was built in the community in 1912 to replace the previous building destroyed by fire in 1911. During the early 20th century farmers increasingly turned to

livestock and dairy production and numerous cheese factories operated until the mid-20th century (Manvers Historical Society 2017).

The population of Manvers Township continued to decline in the mid-20th century. Between 1931 and 1951 the population decreased from 2,504 to 1,872 (Dominion Bureau of Statistics 1953a). By 1951, agricultural activity had also declined in the township. The Census of 1951 recorded 317 total farm operators and 56,266 acres of land were considered improved (Dominion Bureau of Statistics 1953b). During the mid-20th century, the Township of Manvers increasingly became a tourist destination. Attractions included cottaging, the ski hill known as Devil's Elbow (Manvers Historical Society 2017).

Historically, Manvers Township was located in Durham County. As the population of Ontario surged during the postwar baby boom, a new level of administration was needed to supply services to growing areas of the province. In 1973, the southern areas of Durham County were replaced with the Regional Municipality of Durham. The more rural Manvers Township did not join the regional government and was instead transferred to Victoria County (Archives of Ontario 2015). In 2001, Manvers Township and all the municipalities of Victoria County were amalgamated into the new City of Kawartha Lakes (Walker 2021).





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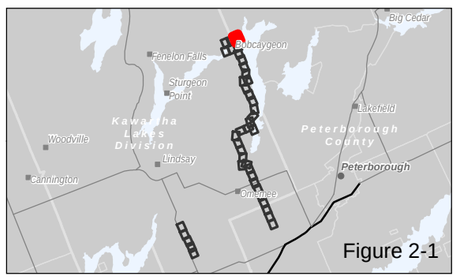
- Cultural Heritage Study Area
- Potential Distribution

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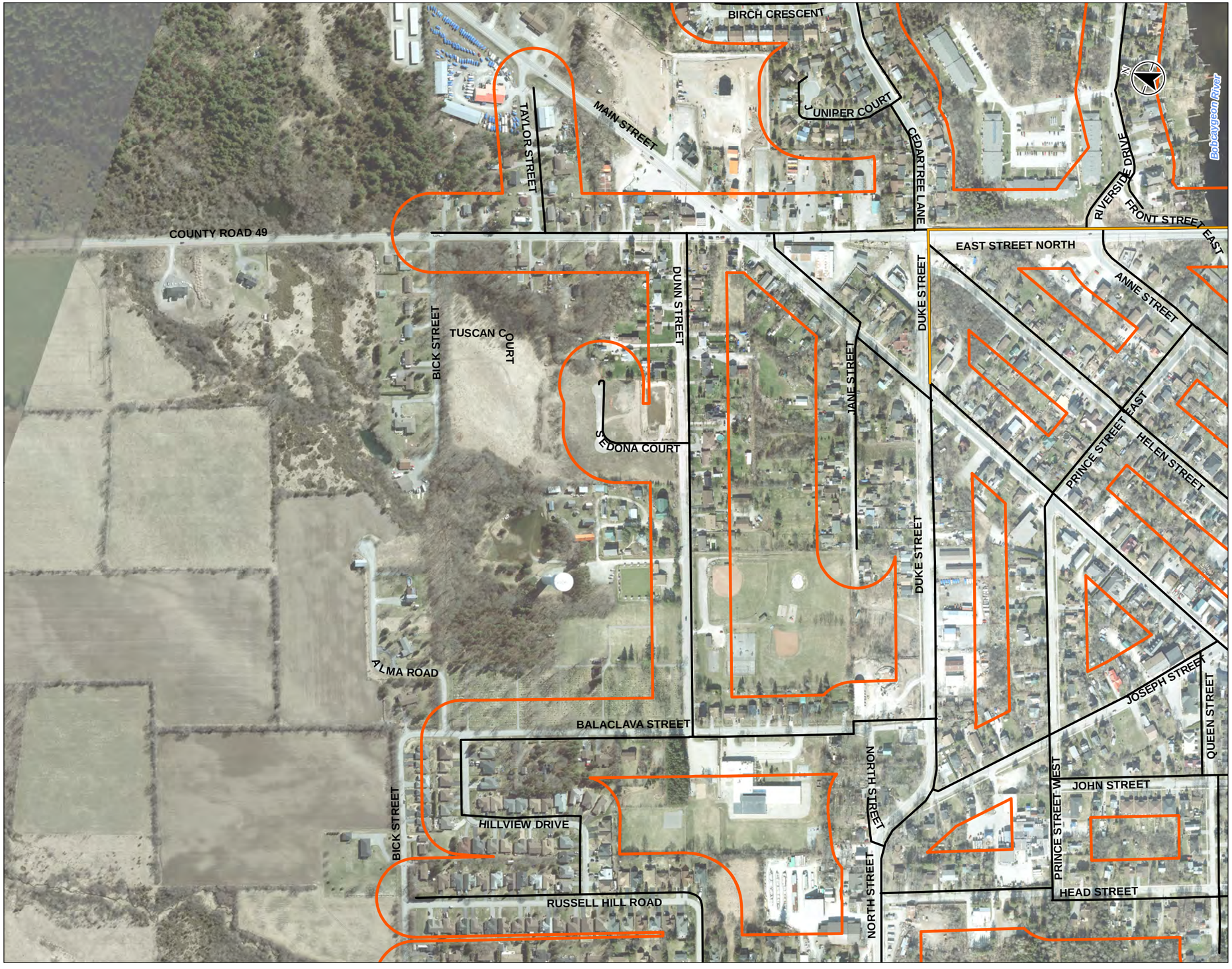
Client/Project
ENBRIDGE GAS INC.
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Figure No.
2-1

Title
Study Area

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- Potential Distribution

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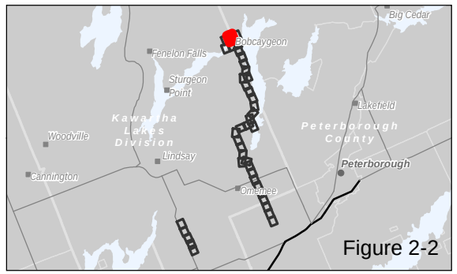


Figure 2-2

Project Location
City of Kawartha Lakes and County of Peterborough

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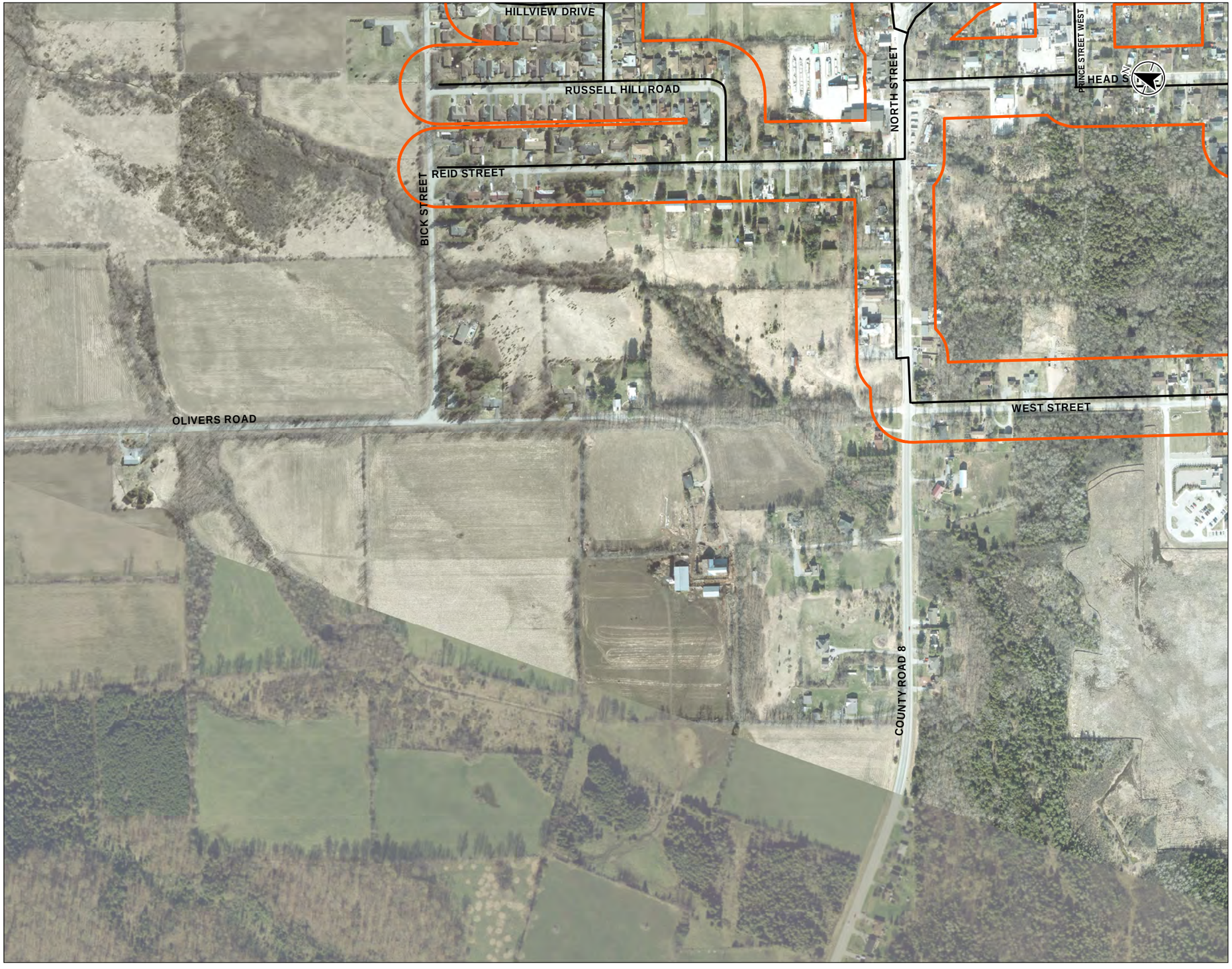
Client/Project
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Figure No.
2-2

Title
Study Area

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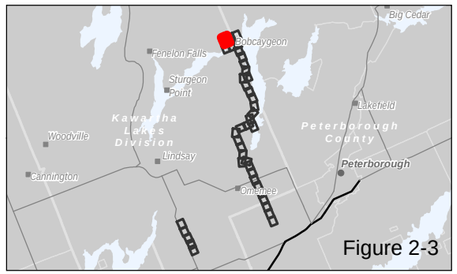
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Figure No.
2-3

Title
Study Area

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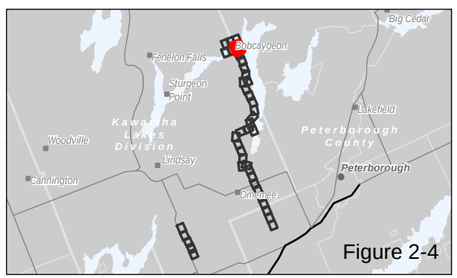


Figure 2-4

Project Location
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Figure No.
2-4

Title
Study Area

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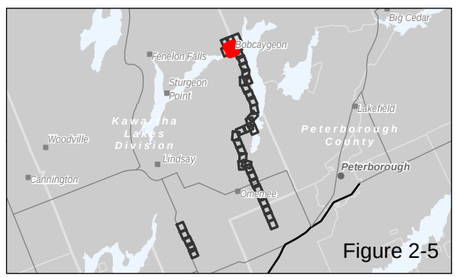
- Cultural Heritage Study Area
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Figure No.
2-5

Title
Study Area

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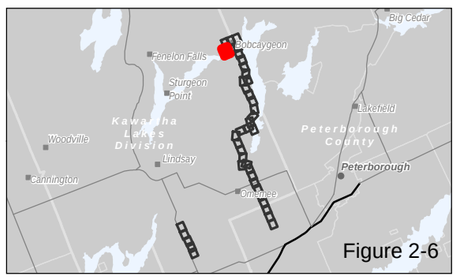
- Cultural Heritage Study Area
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BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-6

Title
Study Area

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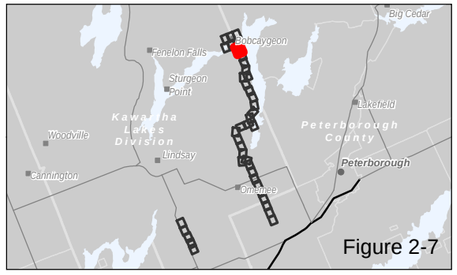
- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Potential Distribution

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Figure No.
2-7

Title
Study Area

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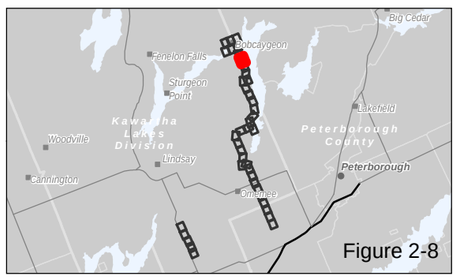


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Legend
- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Potential Distribution

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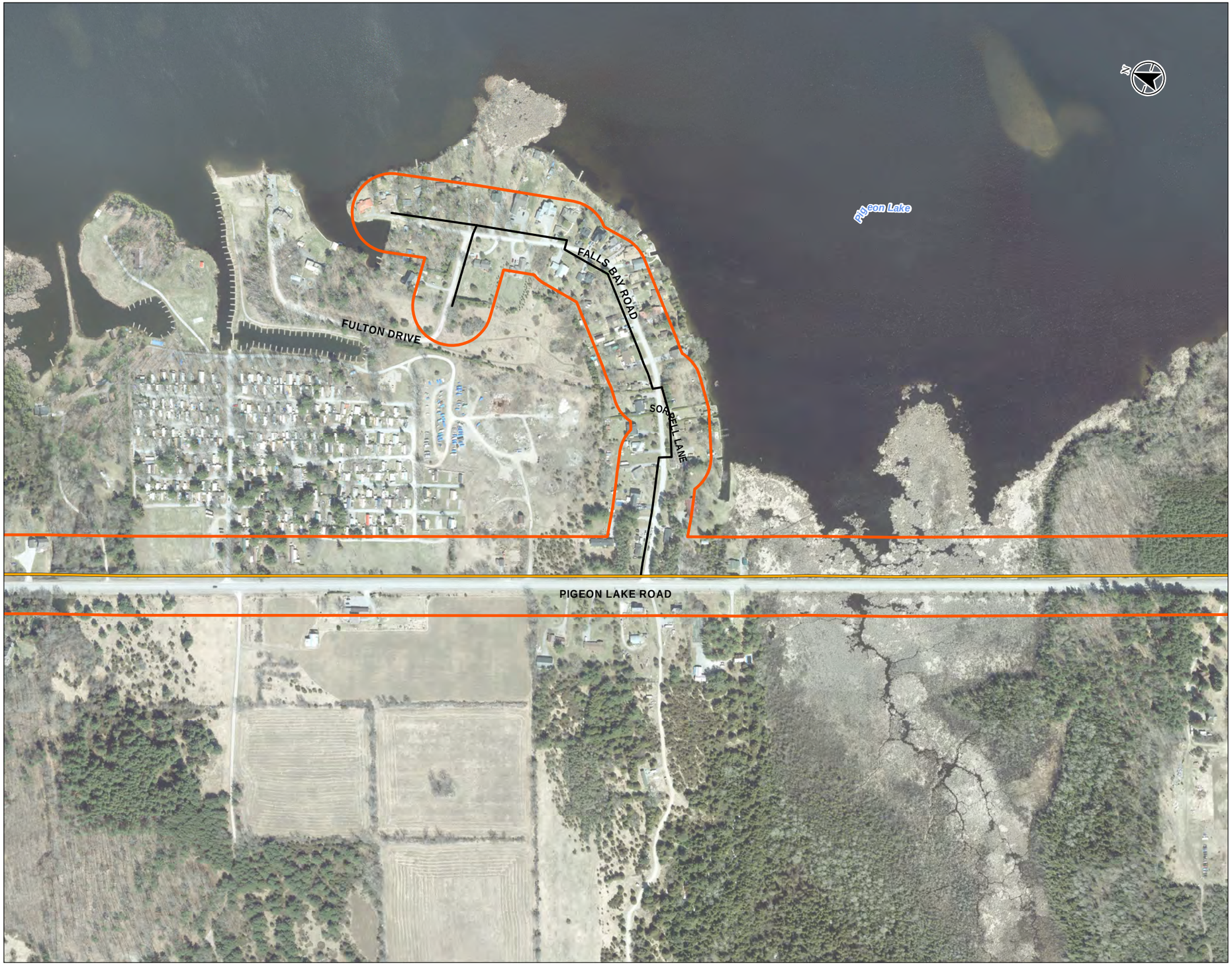
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Figure No.
2-8

Title
Study Area

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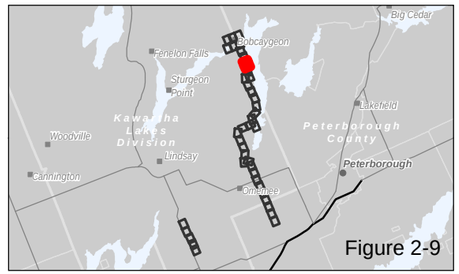


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Legend
- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Potential Distribution

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Figure No.
2-9

Title
Study Area

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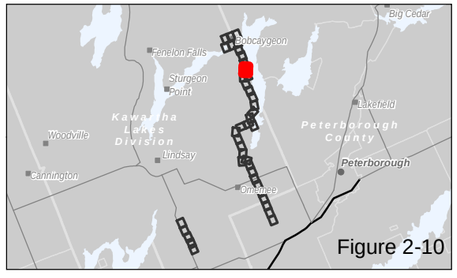


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2-10

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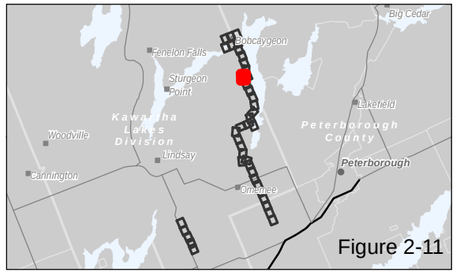


Figure 2-11

Project Location
City of Kawartha Lakes and County of Peterborough

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Figure No.
2-11

Title
Study Area

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Stantec

Legend

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- Preffered Route for Supply Lateral
- Potential Distribution

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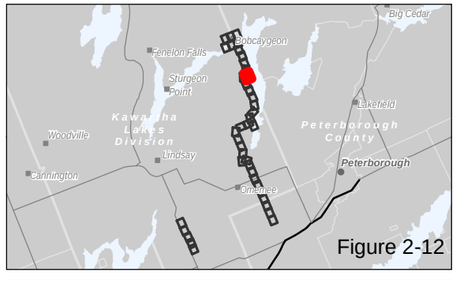


Figure 2-12

Project Location
City of Kawartha Lakes and County of Peterborough

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Figure No.
2-12

Title
Study Area

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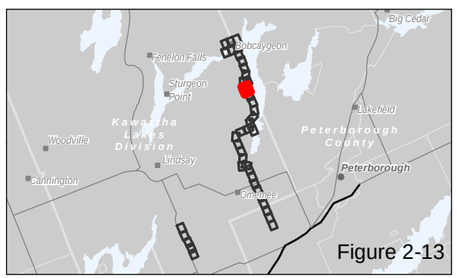
- Cultural Heritage Study Area
- Preffered Route for Supply Lateral

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2-13

Title
Study Area

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Stantec

Legend
- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Potential Distribution

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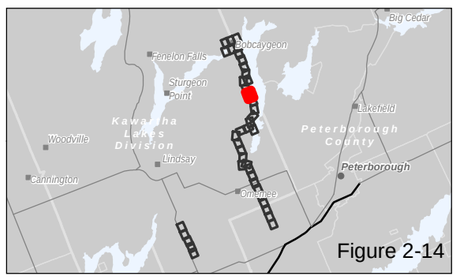


Figure 2-14

Project Location
City of Kawartha Lakes and County of Peterborough

160951170
Prepared by KB on 2022-04-12
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-14

Title
Study Area

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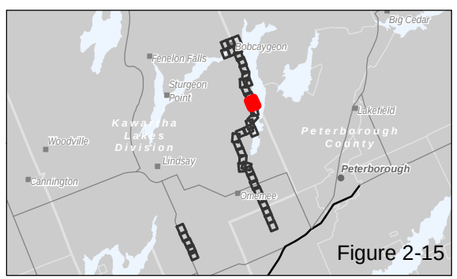


Stantec

Legend
- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Potential Distribution

0 100 200 m
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Notes
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Project Location
City of Kawartha Lakes and County of Peterborough

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Prepared by KB on 2022-04-12
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Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-15

Title
Study Area

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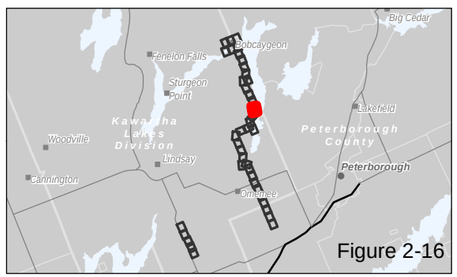


Stantec

Legend
- Cultural Heritage Study Area
- Preffered Route for Supply Lateral

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Project Location
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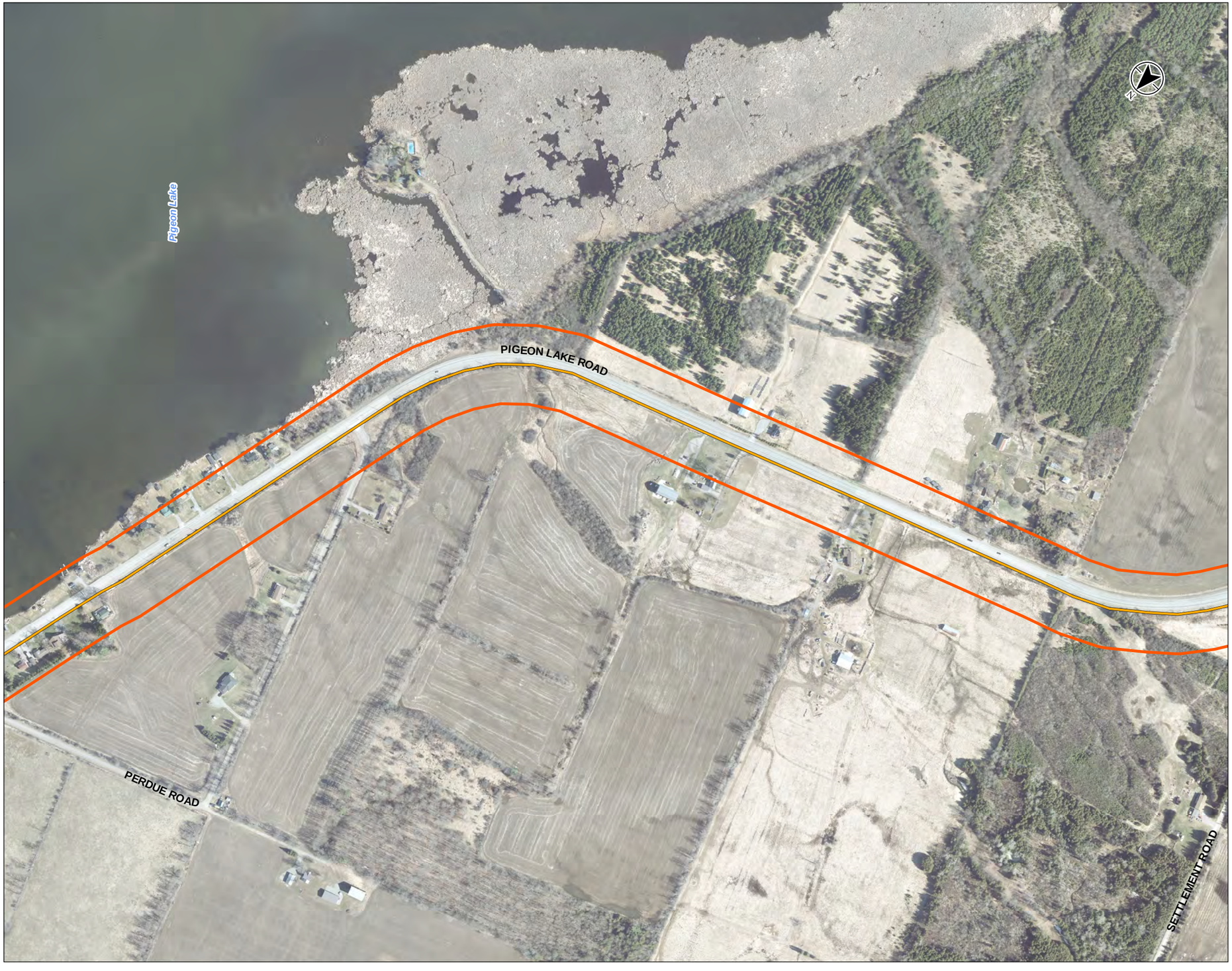
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-16

Title
Study Area

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Stantec

Legend

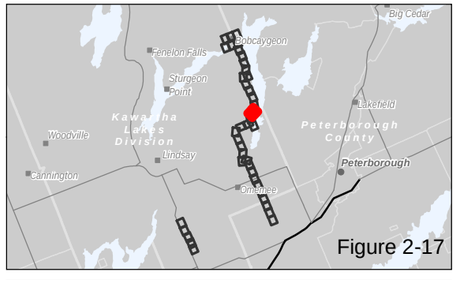
- Cultural Heritage Study Area
- Preffered Route for Supply Lateral

0 100 200 m

1:5,000 (At original document size of 11x17)

Notes

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Project Location
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Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-17

Title
Study Area

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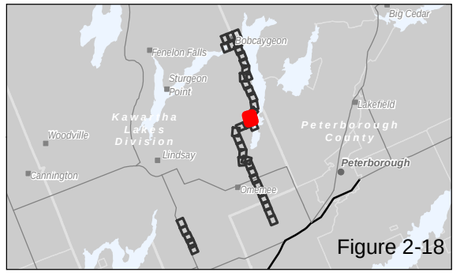


Stantec

Legend
- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Potential Distribution

0 100 200 m
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Project Location
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Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-18

Title
Study Area

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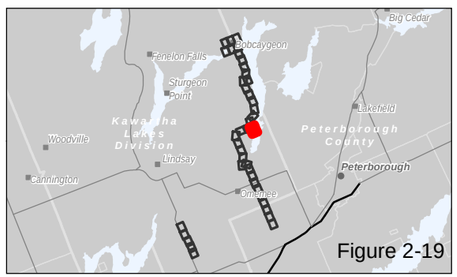


Stantec

Legend
- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Potential Distribution

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Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-19

Title
Study Area

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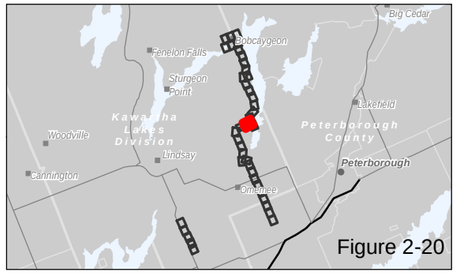


Stantec

Legend
- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Potential Distribution

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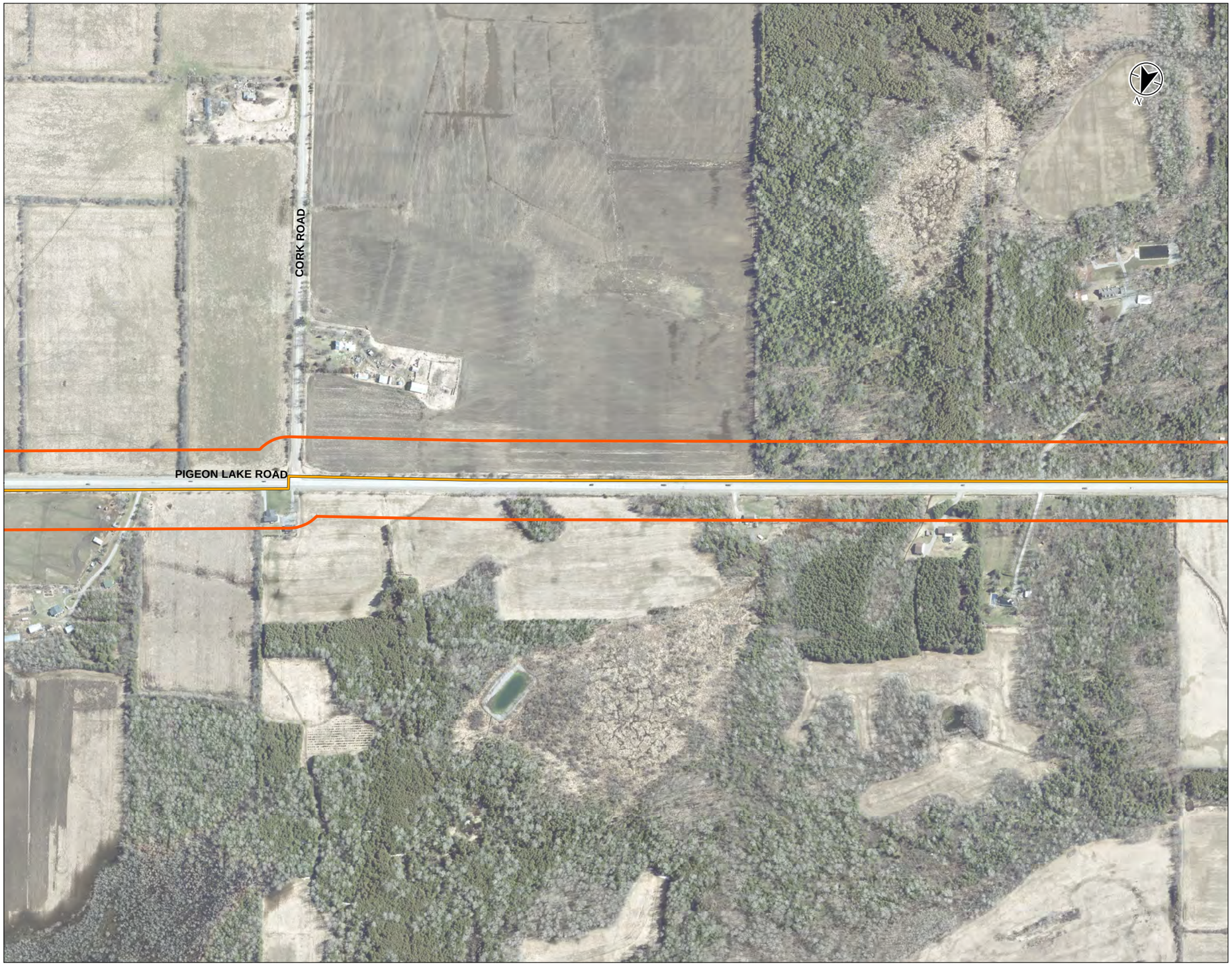
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-20

Title
Study Area

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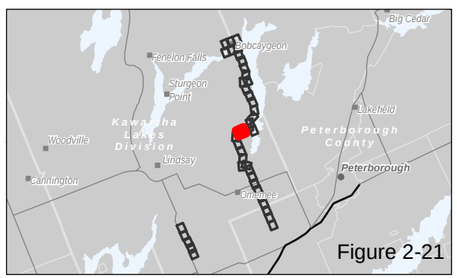
- Cultural Heritage Study Area
- Preffered Route for Supply Lateral

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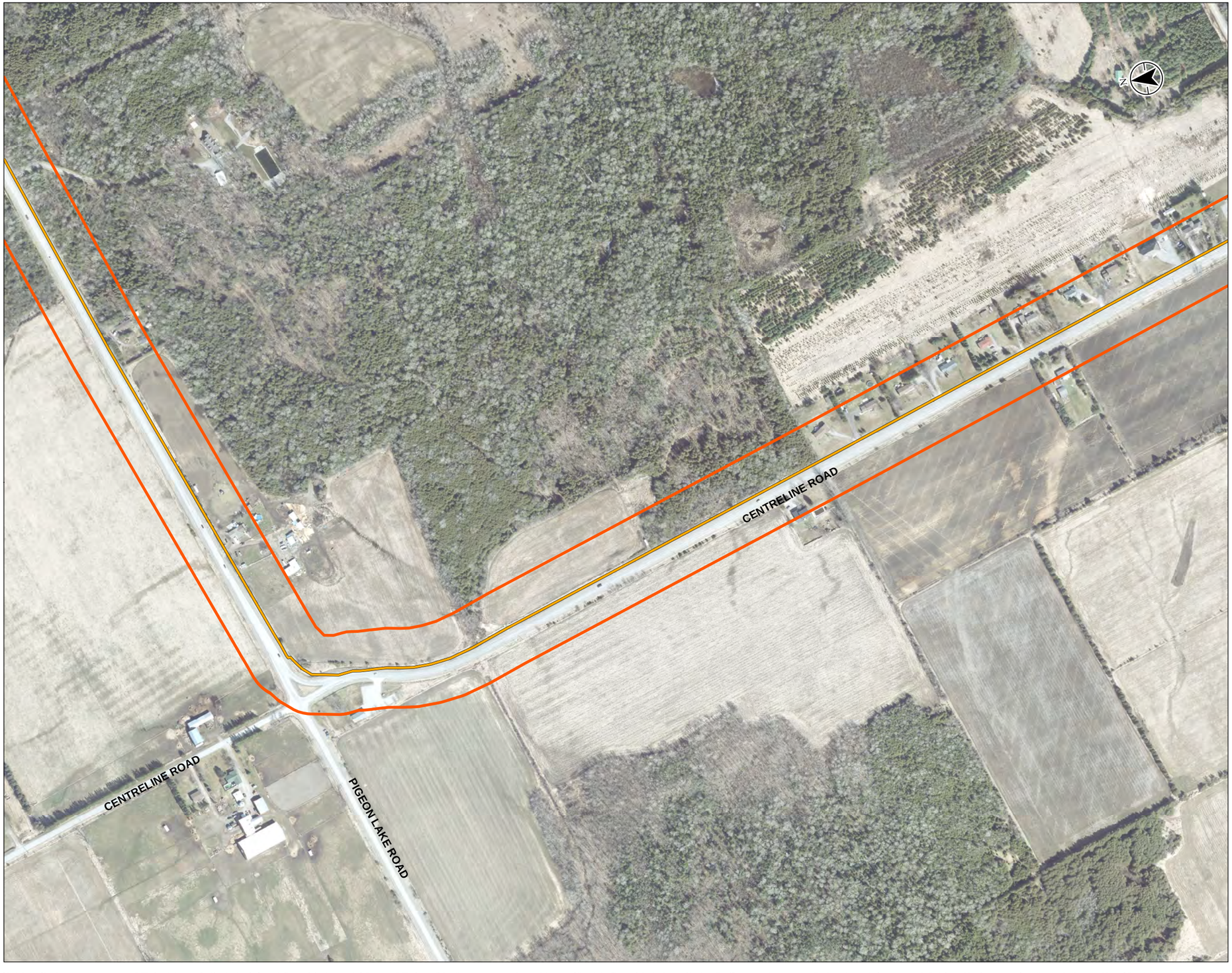
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ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-21

Title
Study Area

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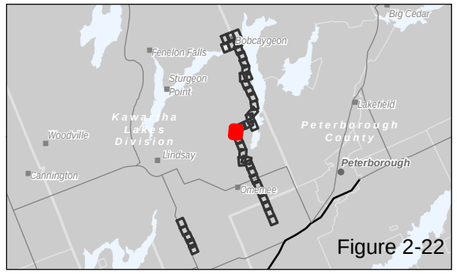
- Cultural Heritage Study Area
- Preffered Route for Supply Lateral

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Project Location
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Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-22

Title
Study Area

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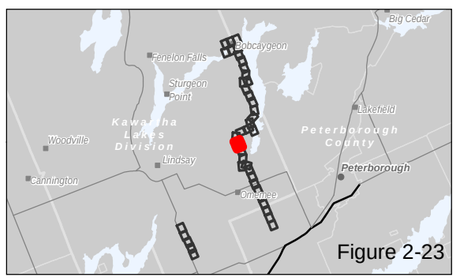
- Cultural Heritage Study Area
- Preffered Route for Supply Lateral

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Project Location
City of Kawartha Lakes and County of Peterborough

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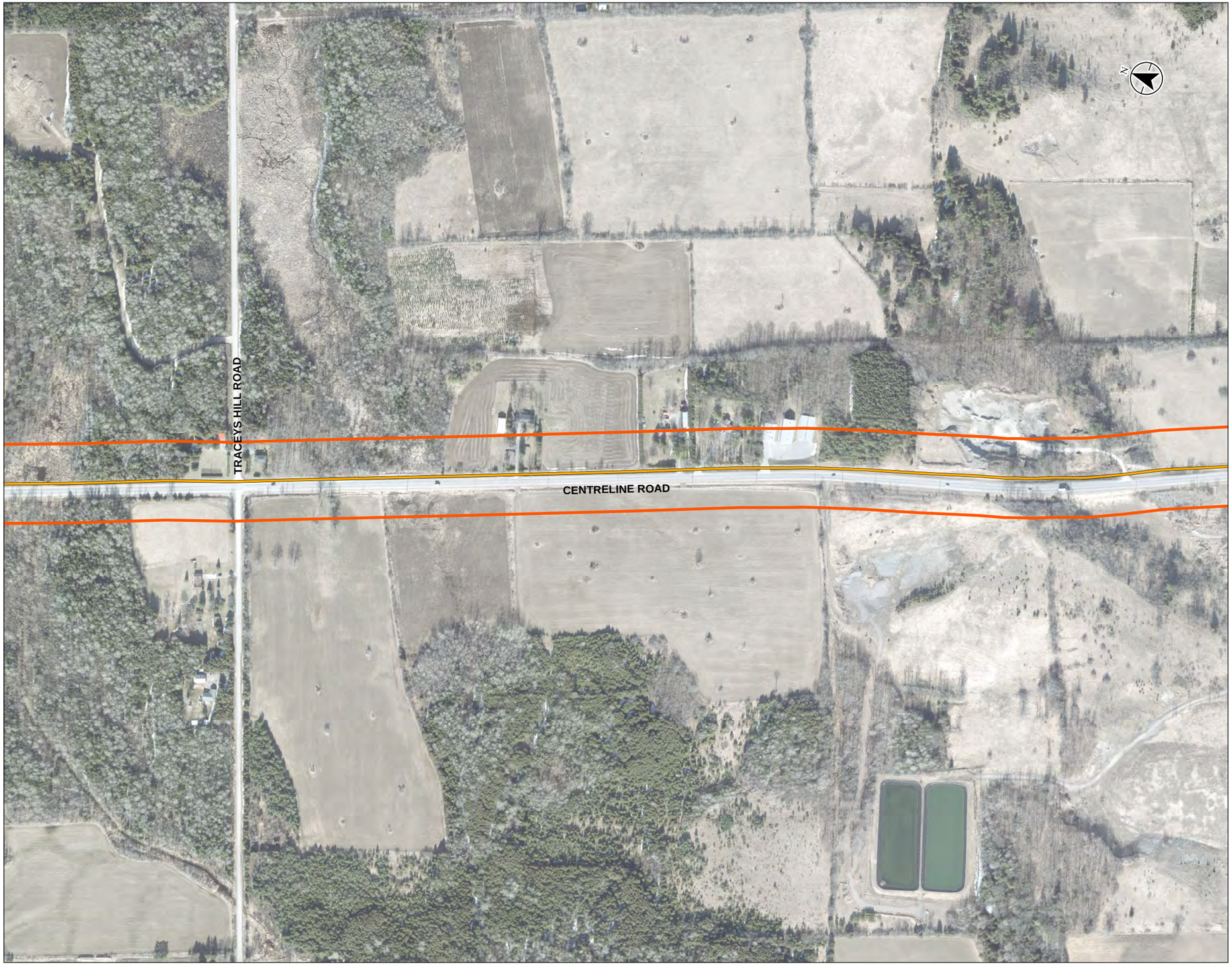
Client/Project
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BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-23

Title
Study Area

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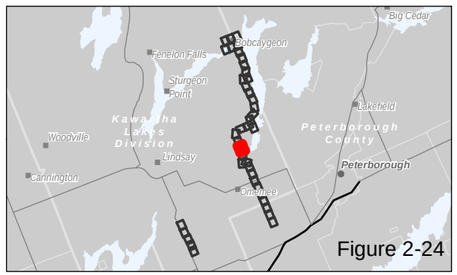
- Cultural Heritage Study Area
- Preffered Route for Supply Lateral

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Project Location
City of Kawartha Lakes and County of Peterborough

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Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-24

Title
Study Area

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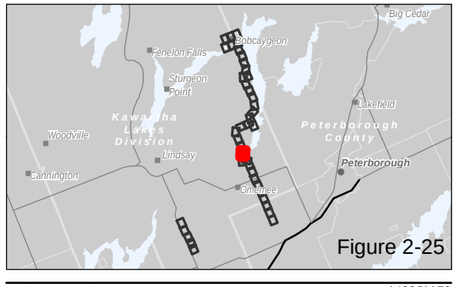


Stantec

Legend
- Cultural Heritage Study Area
- Preffered Route for Supply Lateral

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Project Location
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Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-25

Title
Study Area

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Stantec

Legend

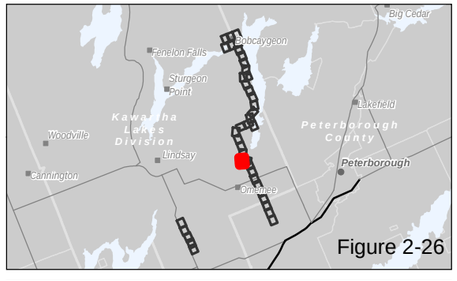
- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Preferred Route for Reinforcement

0 100 200 m

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Project Location
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Prepared by KB on 2022-04-12
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Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-26

Title
Study Area

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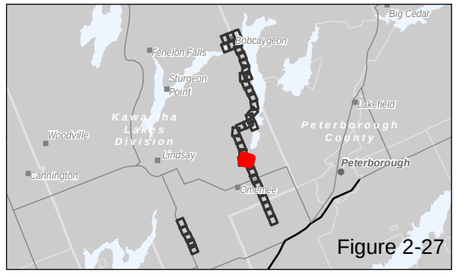


Stantec

Legend
- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Preferred Route for Reinforcement

0 100 200 m
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Project Location
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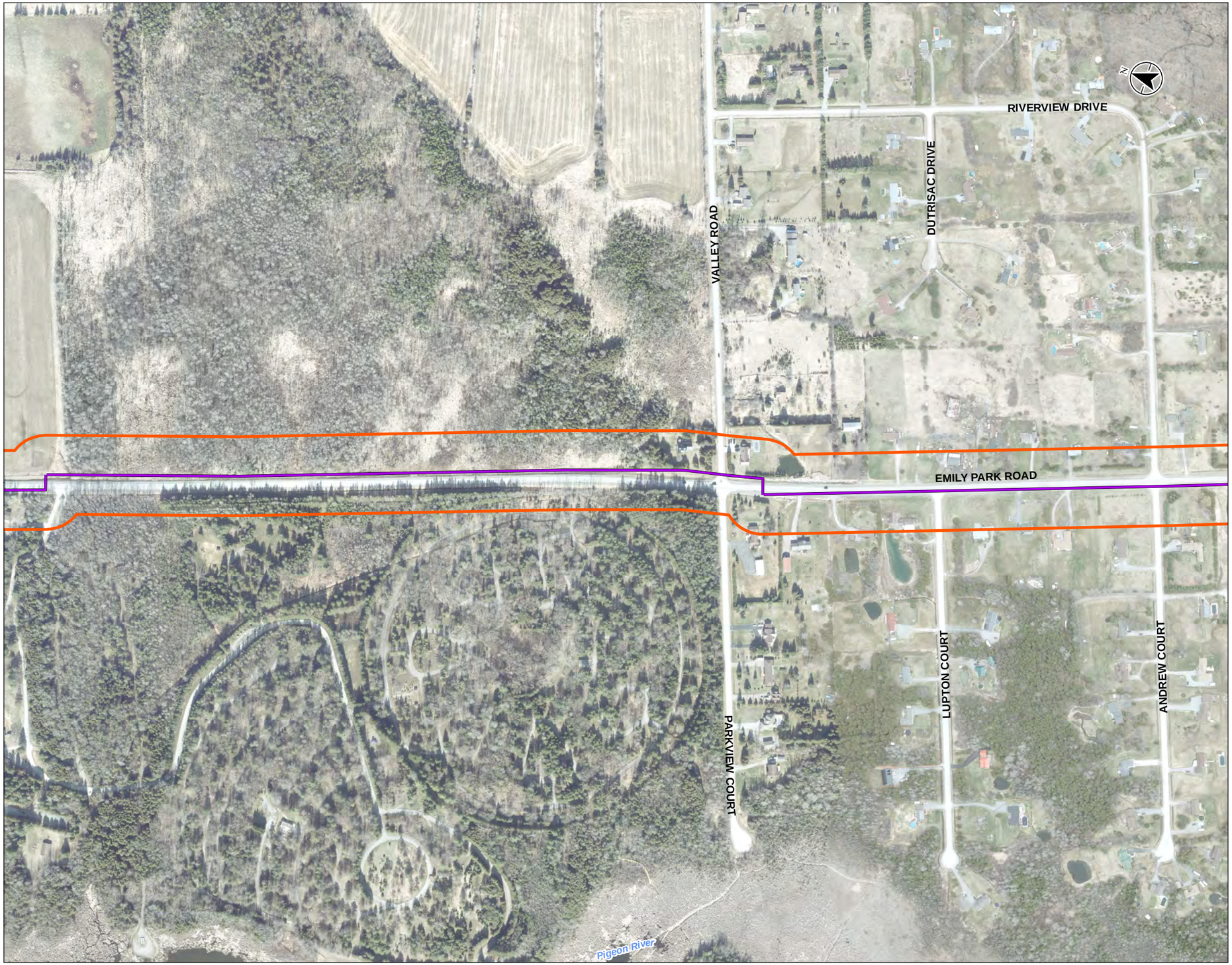
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-27

Title
Study Area

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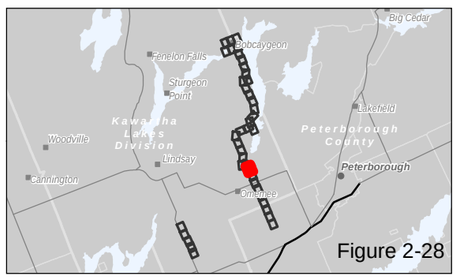


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Legend
- Cultural Heritage Study Area
- Preferred Route for Reinforcement

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Notes
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Project Location
City of Kawartha Lakes and County of Peterborough

160951170
Prepared by KB on 2022-04-12
Technical Review by SE on 2021-11-05

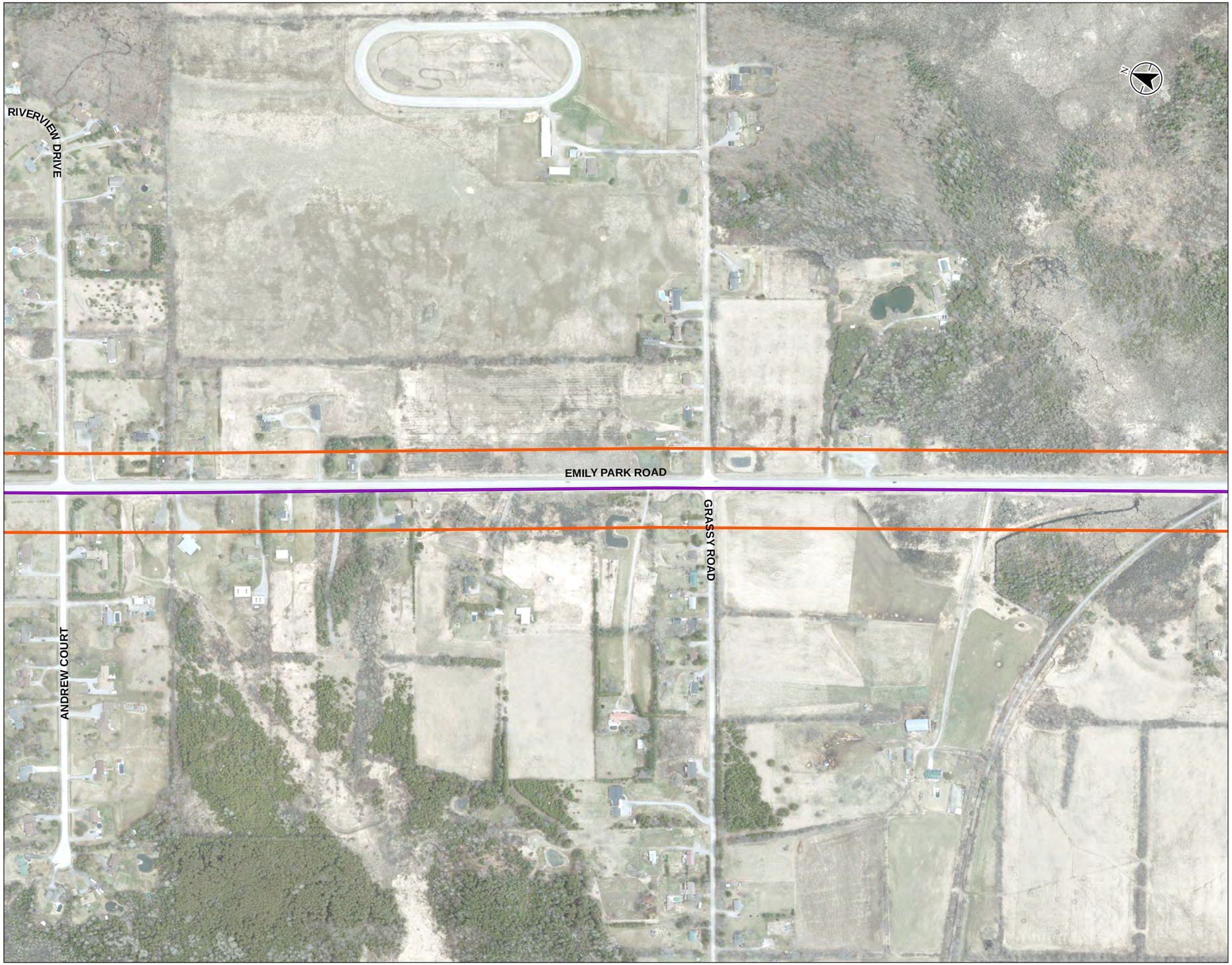
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-28

Title
Study Area

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Stantec

Legend
- Cultural Heritage Study Area
- Preferred Route for Reinforcement

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Notes
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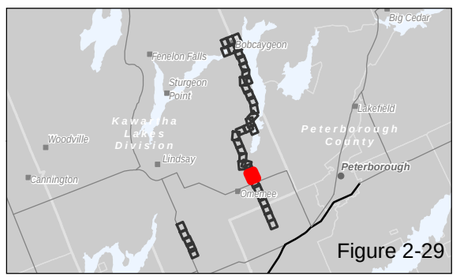


Figure 2-29

Project Location
City of Kawartha Lakes and County of Peterborough

160951170
Prepared by KB on 2022-04-12
Technical Review by SE on 2021-11-05

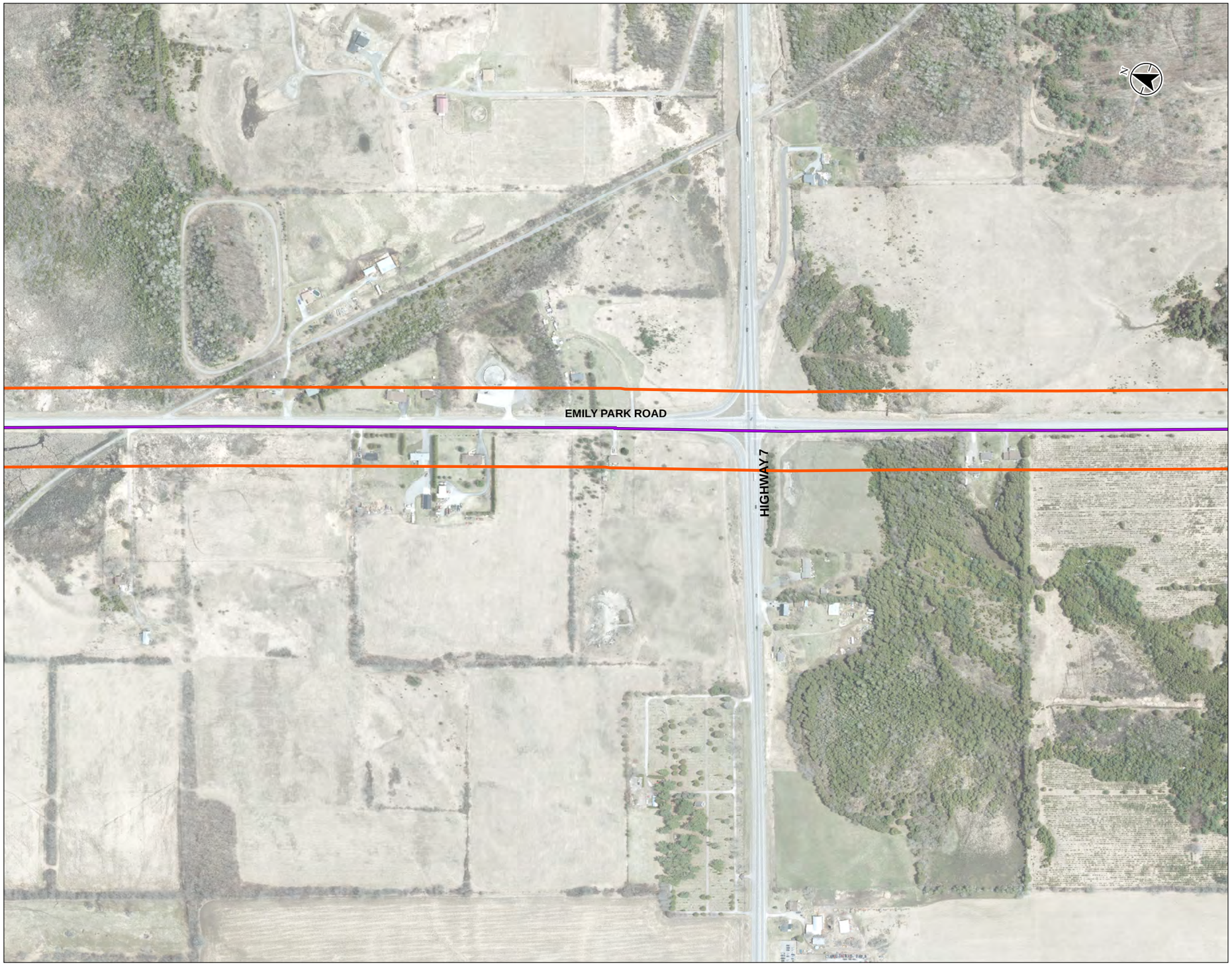
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-29

Title
Study Area

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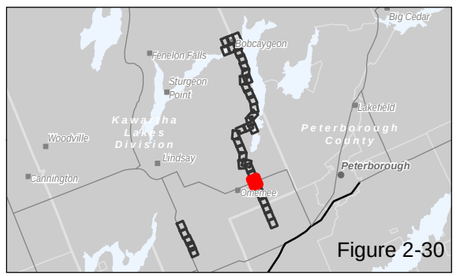


Stantec

Legend
- Cultural Heritage Study Area
- Preferred Route for Reinforcement

0 100 200 m
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Notes
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Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-30

Title
Study Area

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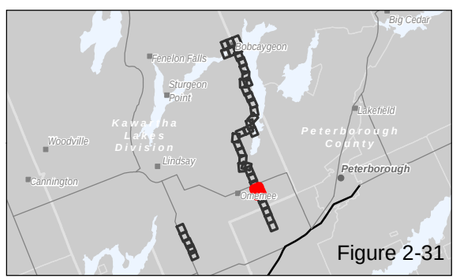
- Cultural Heritage Study Area
- Preferred Route for Reinforcement

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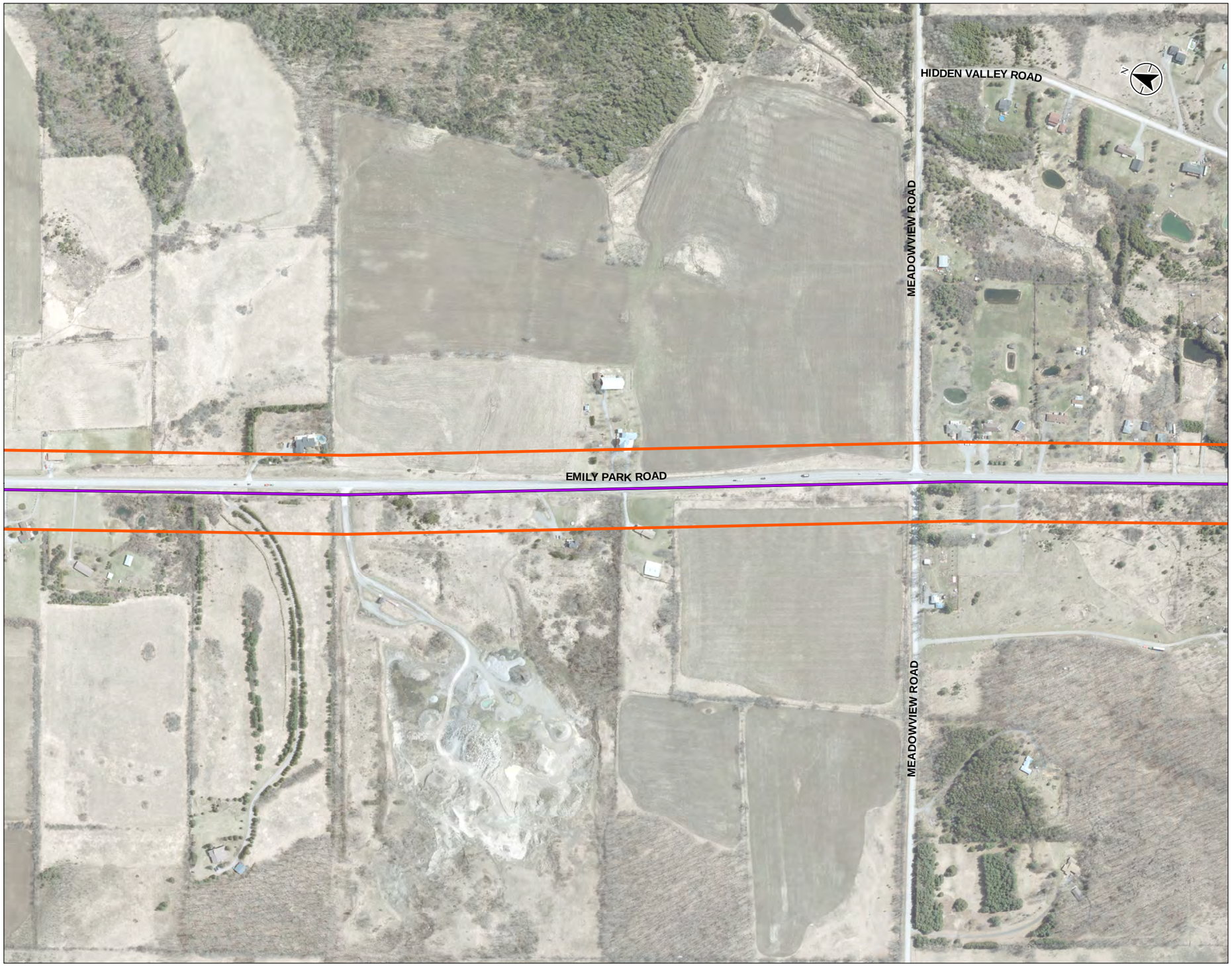
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-31

Title
Study Area

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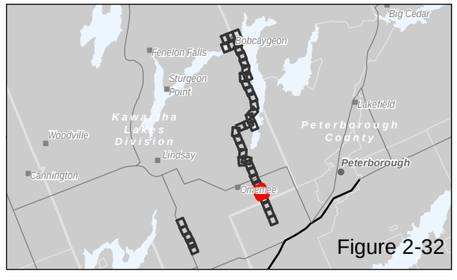
- Cultural Heritage Study Area
- Preferred Route for Reinforcement

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Project Location
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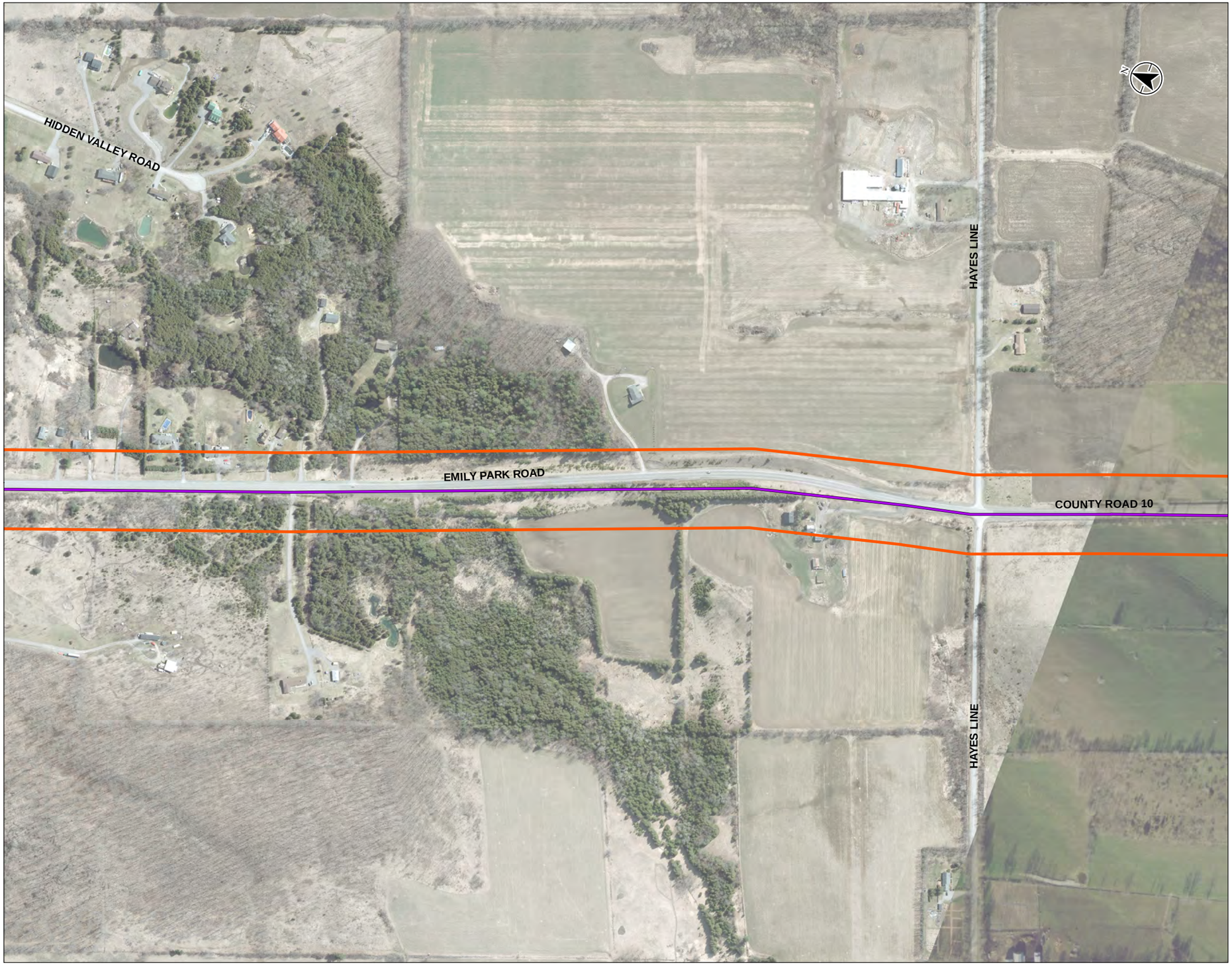
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-32

Title
Study Area

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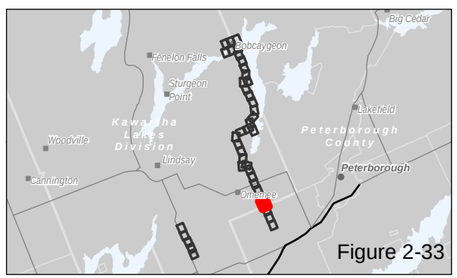


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Legend
- Cultural Heritage Study Area
- Preferred Route for Reinforcement

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BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-33

Title
Study Area

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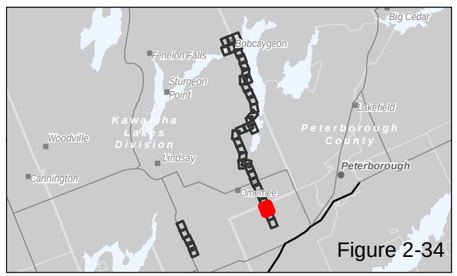
- Cultural Heritage Study Area
- Preferred Route for Reinforcement

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Project Location
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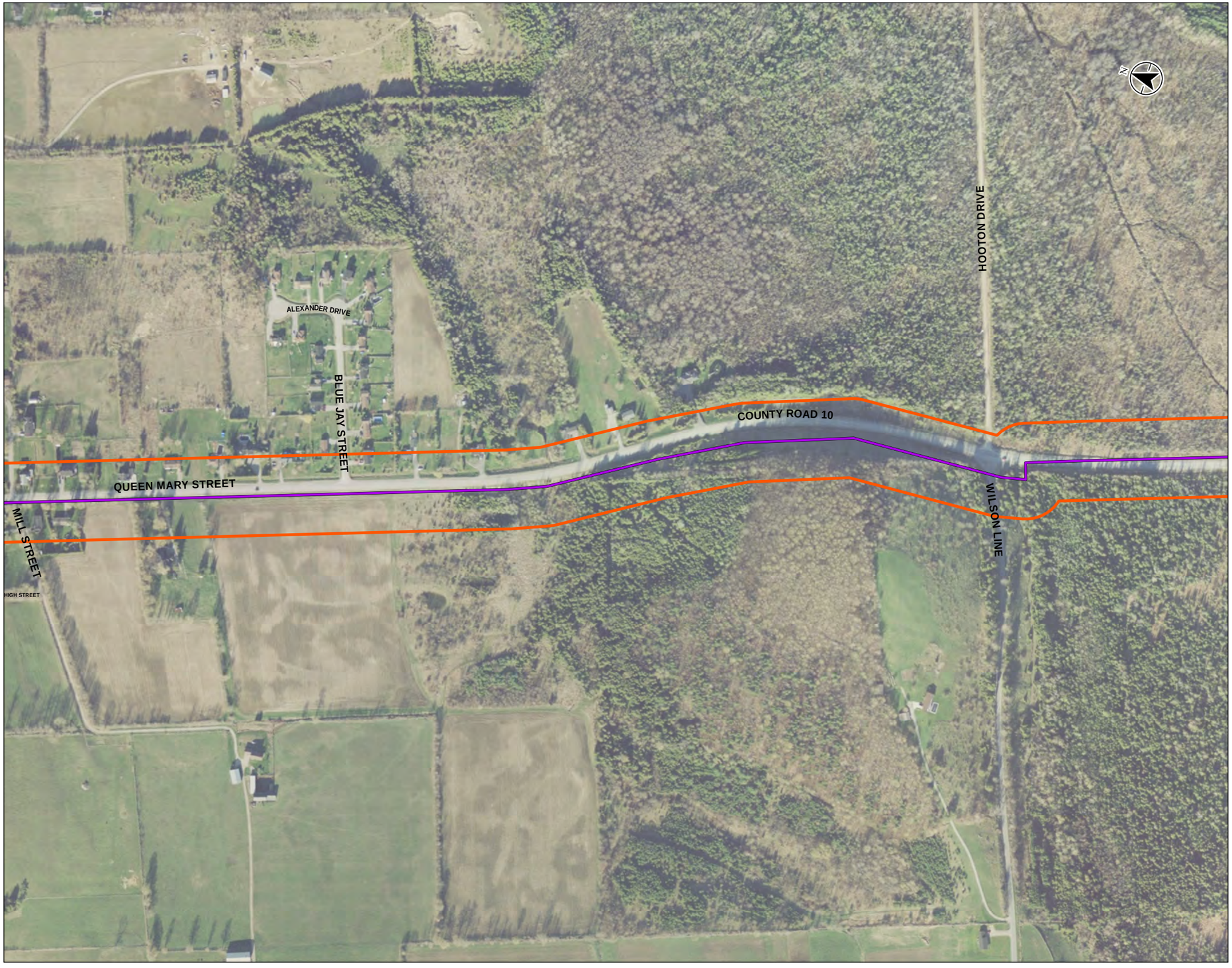
Client/Project
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Figure No.
2-34

Title
Study Area

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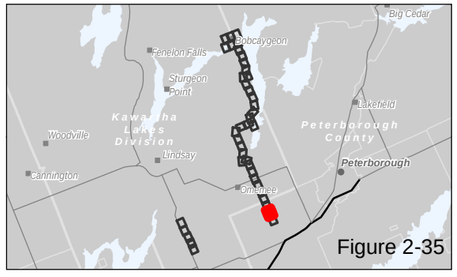


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Legend
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- Preferred Route for Reinforcement

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Project Location
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BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-35

Title
Study Area

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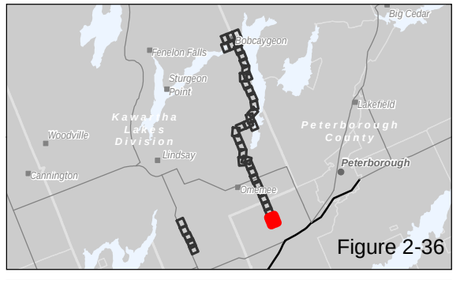
- Cultural Heritage Study Area
- Preferred Route for Reinforcement

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BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-36

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Study Area

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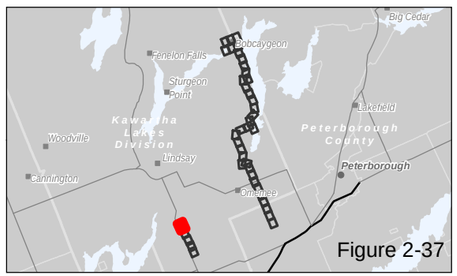


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Legend
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- Preferred Route for Reinforcement

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Project Location
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BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-37

Title
Study Area

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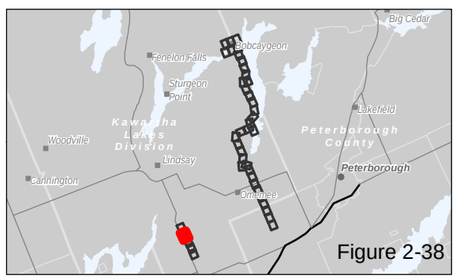
- Cultural Heritage Study Area
- Preferred Route for Reinforcement

0 100 200 m

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Project Location
City of Kawartha Lakes and County of Peterborough

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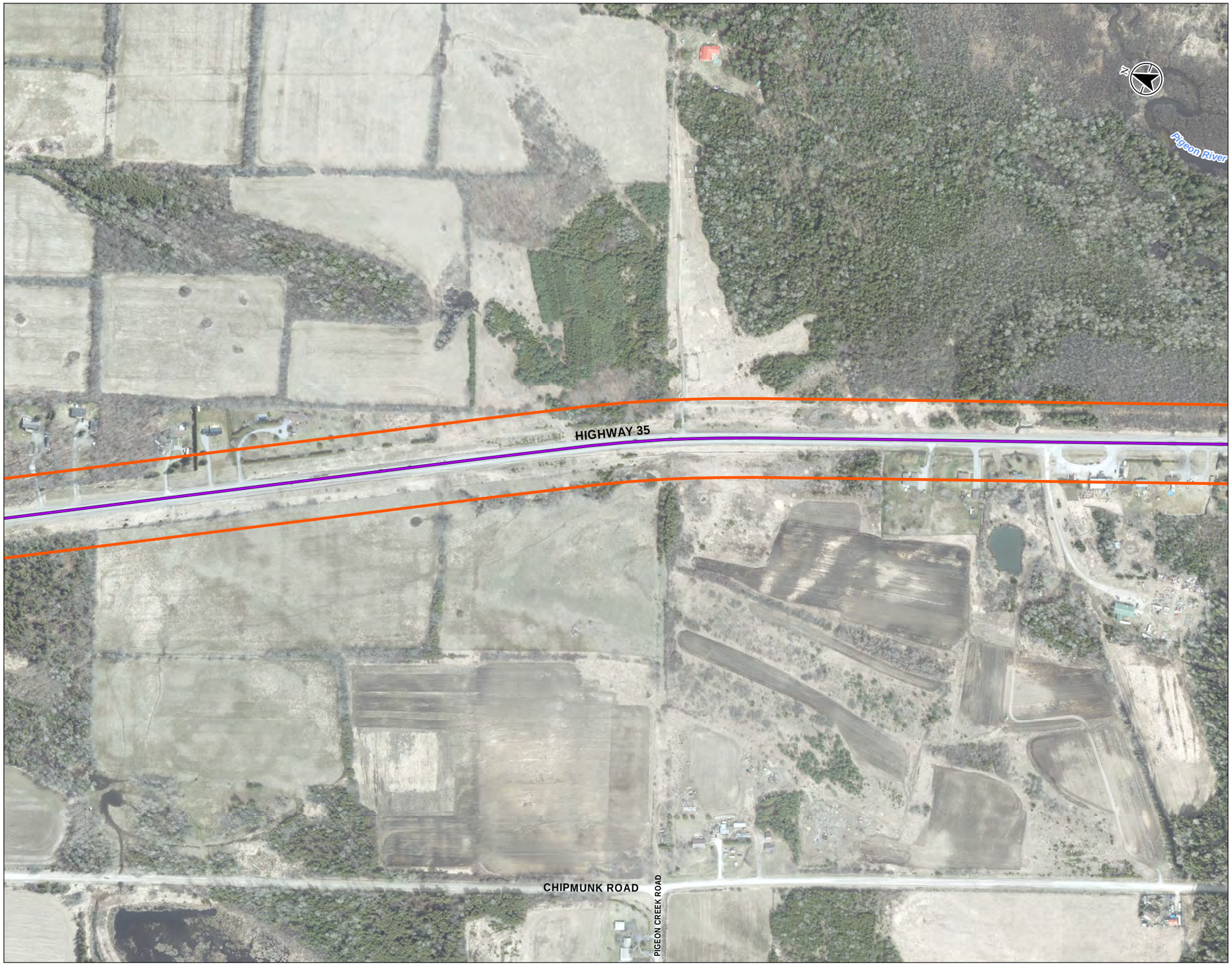
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-38

Title
Study Area

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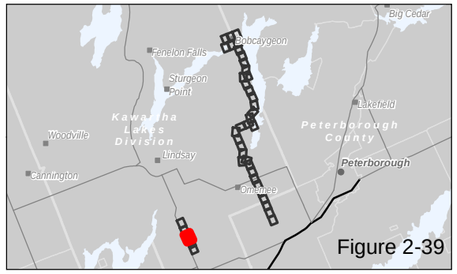


Stantec

Legend
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- Preferred Route for Reinforcement

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Project Location
City of Kawartha Lakes and County of Peterborough

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BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-39

Title
Study Area

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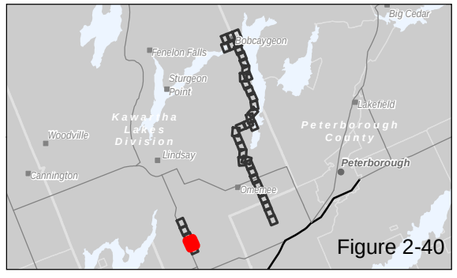


Stantec

Legend
- Cultural Heritage Study Area
- Preferred Route for Reinforcement

0 100 200 m
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Project Location
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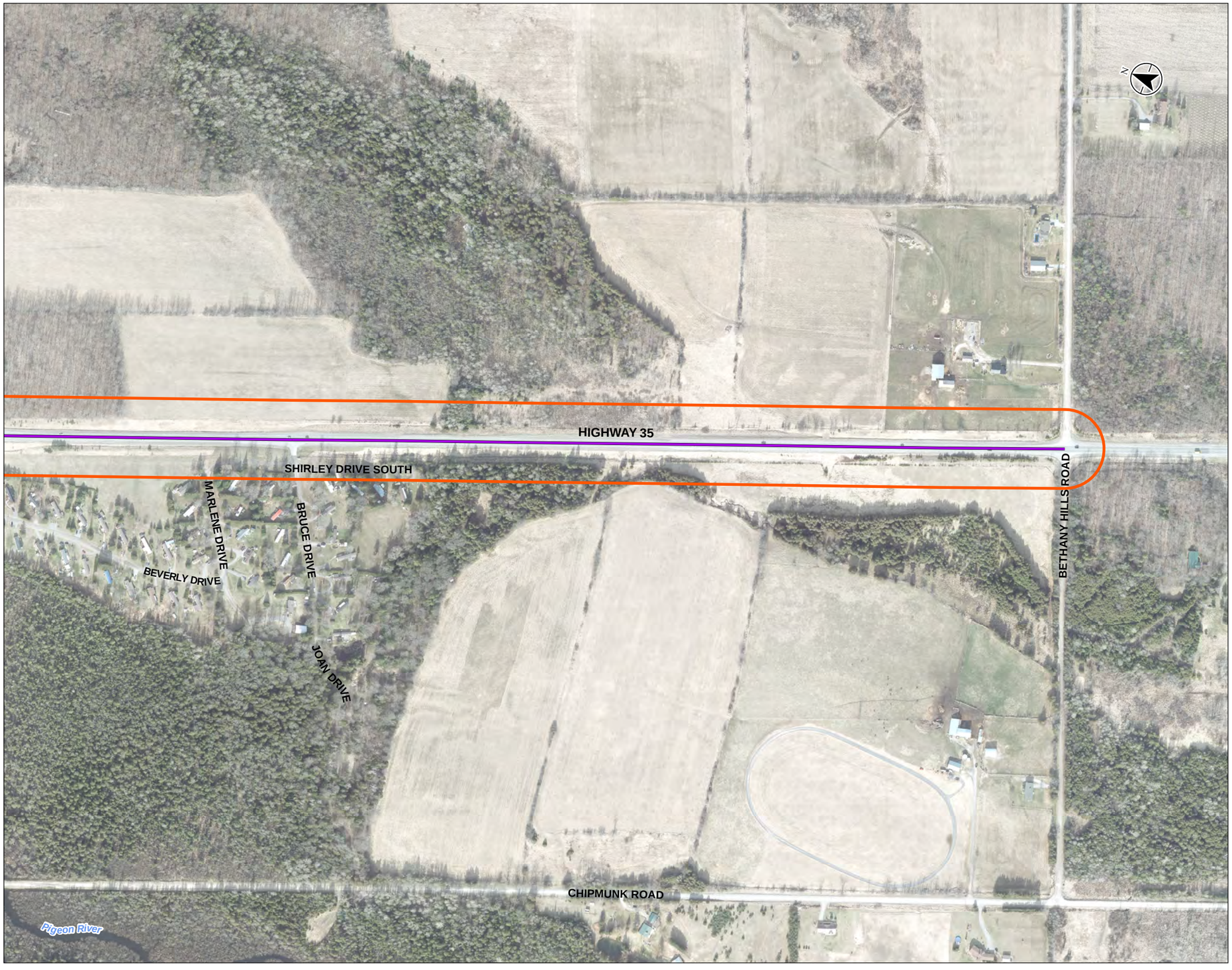
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
2-40

Title
Study Area

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Stantec

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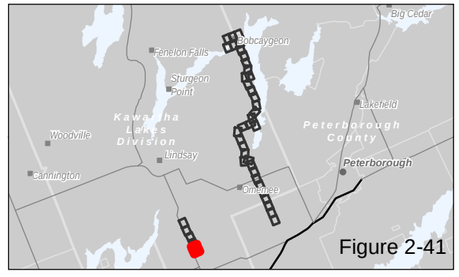
- Cultural Heritage Study Area
- Preferred Route for Reinforcement

0 100 200 m

1:5,000 (At original document size of 11x17)

Notes

1. Coordinate System: NAD 1983 UTM Zone 17N
2. Base features produced under license with the Ontario Ministry of Natural Resources and Forestry © Queen's Printer for Ontario, 2021.
3. Orthoimagery © First Base Solutions, 2021. Imagery Date, 2008 and Kawartha Conservation, Imagery date, 2018.



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160951170
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Technical Review by SE on 2021-11-05

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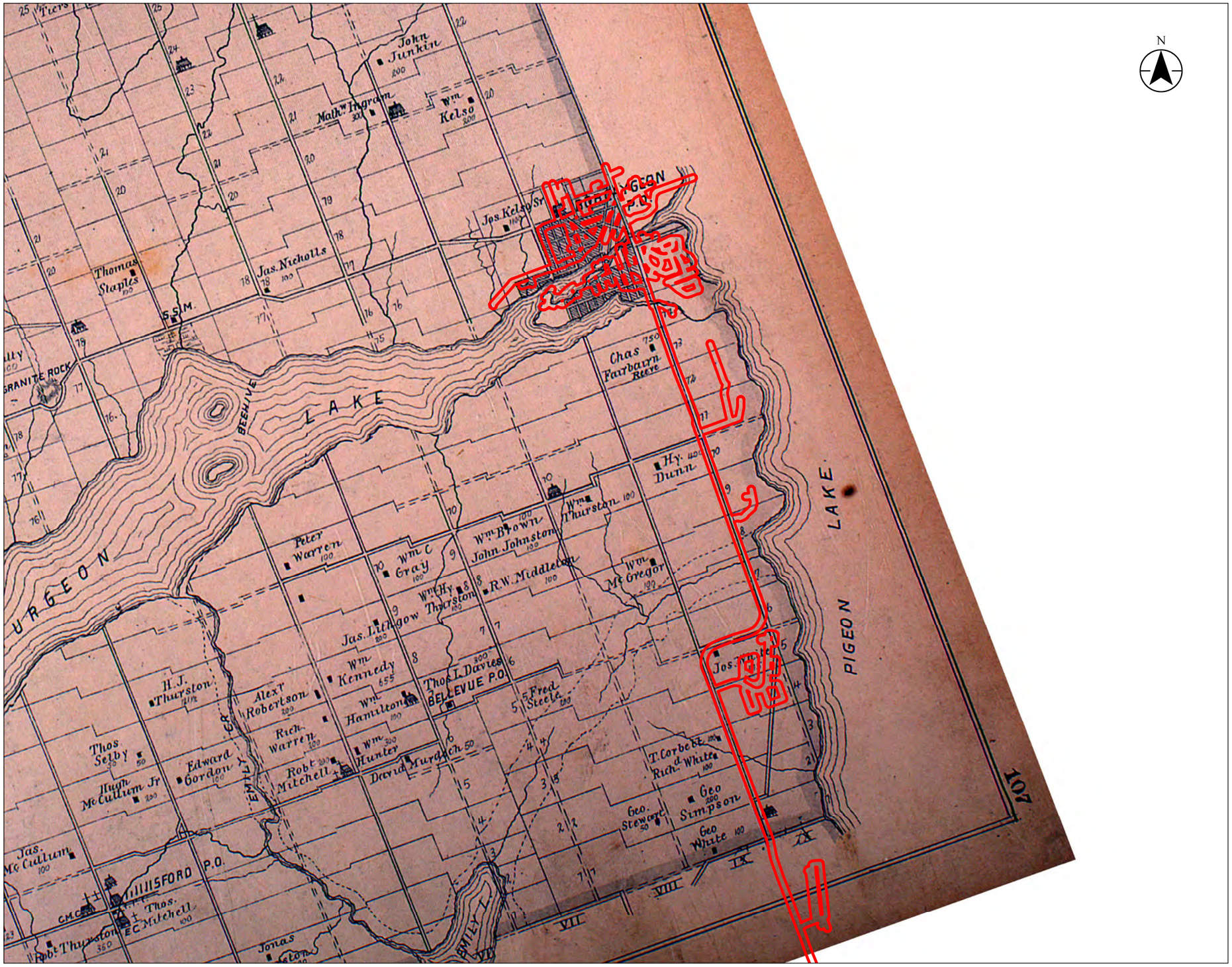
Figure No.
2-41

Title
Study Area

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MAP OF EMILY
Scale: 100 Chains per Inch.
EMILY L.
PIGEON LAKE
CREEK
EMILY
DOWNEYVILLE P.O.
FRANK HILL P.O
Fowlers Bridge
PIGEON
OMEMEE P.O.
MILL POND
CHEMONG LAKE
FOWLER'S CORNERS P.O.
John Wesley Shrine
Alex Fenlay
Alex. Bennett
C.N.C.
C.P.R.
R.C.CH.
C.M.C.
S.S.No.1
S.S.No.2
S.S.No.3
S.S.No.4
S.S.No.5
S.S.No.6
S.S.No.7
S.S.No.8
S.S.No.9
S.S.No.10
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S.S.No.12
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S.S.No.40



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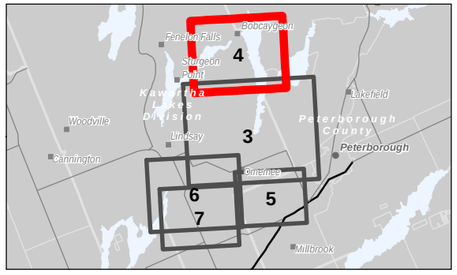
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Cultural Heritage Study Area

Figure Not to Scale

Notes

1. Source: MacDonald, D. 1881. Victoria Supplement in Illustrated atlas of the Dominion of Canada. Toronto: H. Belden & Co.



Project Location
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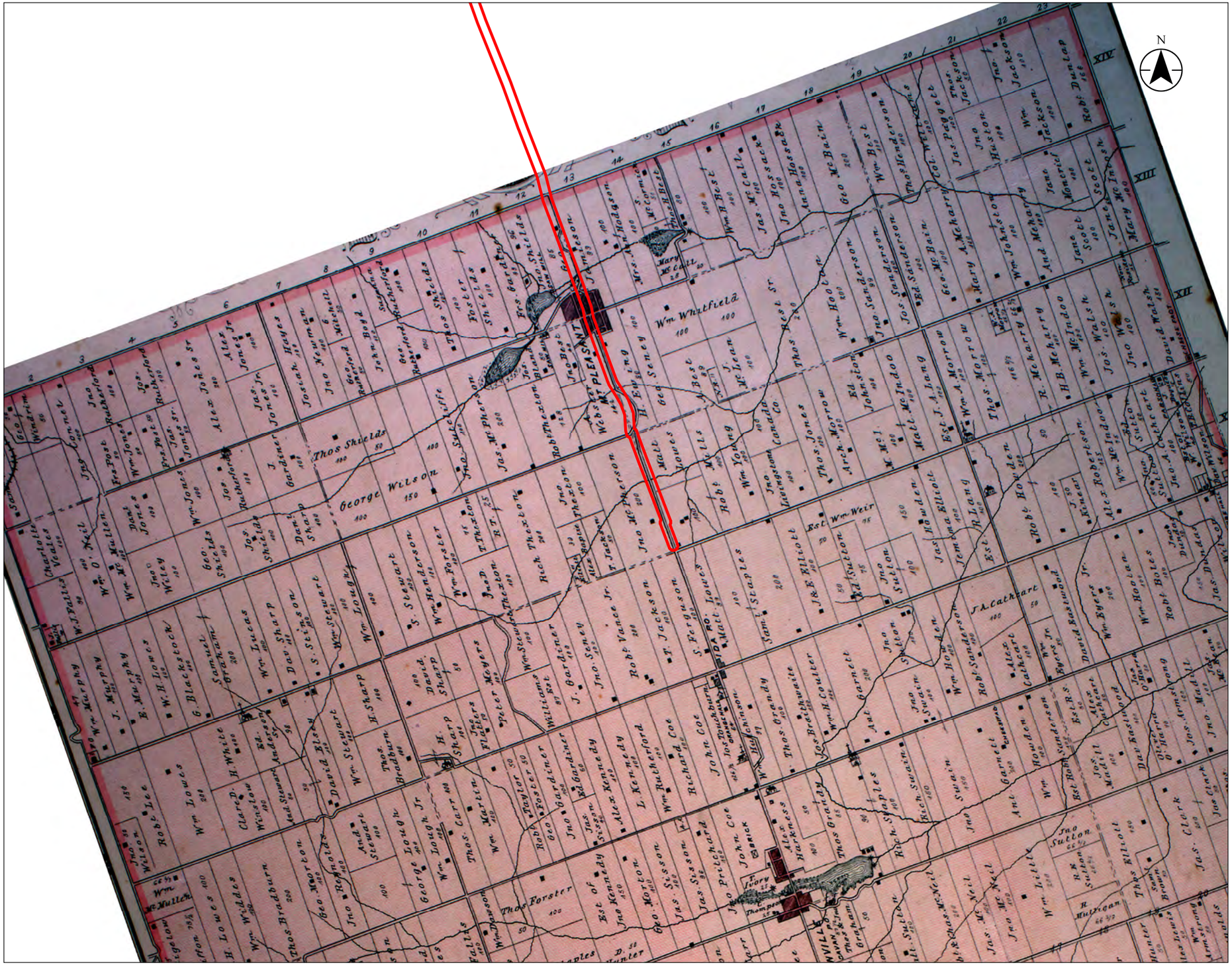
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Figure No.
4

Title
Verulam Township, 1881

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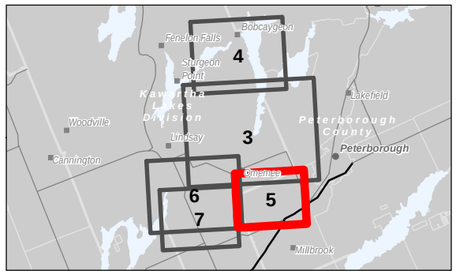
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Cultural Heritage Study Area

Figure Not to Scale

Notes

1. Source: Beldon & Co. 1878. Illustrated Historical Atlas of the Counties of Northumberland and Durham. Toronto: Union Publishing Company.



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Figure No.
5

Title
Cavan Township, 1878

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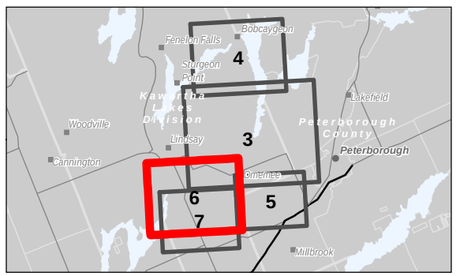
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Cultural Heritage Study Area

Figure Not to Scale

Notes

1. Source: MacDonald, D. 1881. Victoria Supplement in Illustrated atlas of the Dominion of Canada. Toronto: H. Belden & Co.



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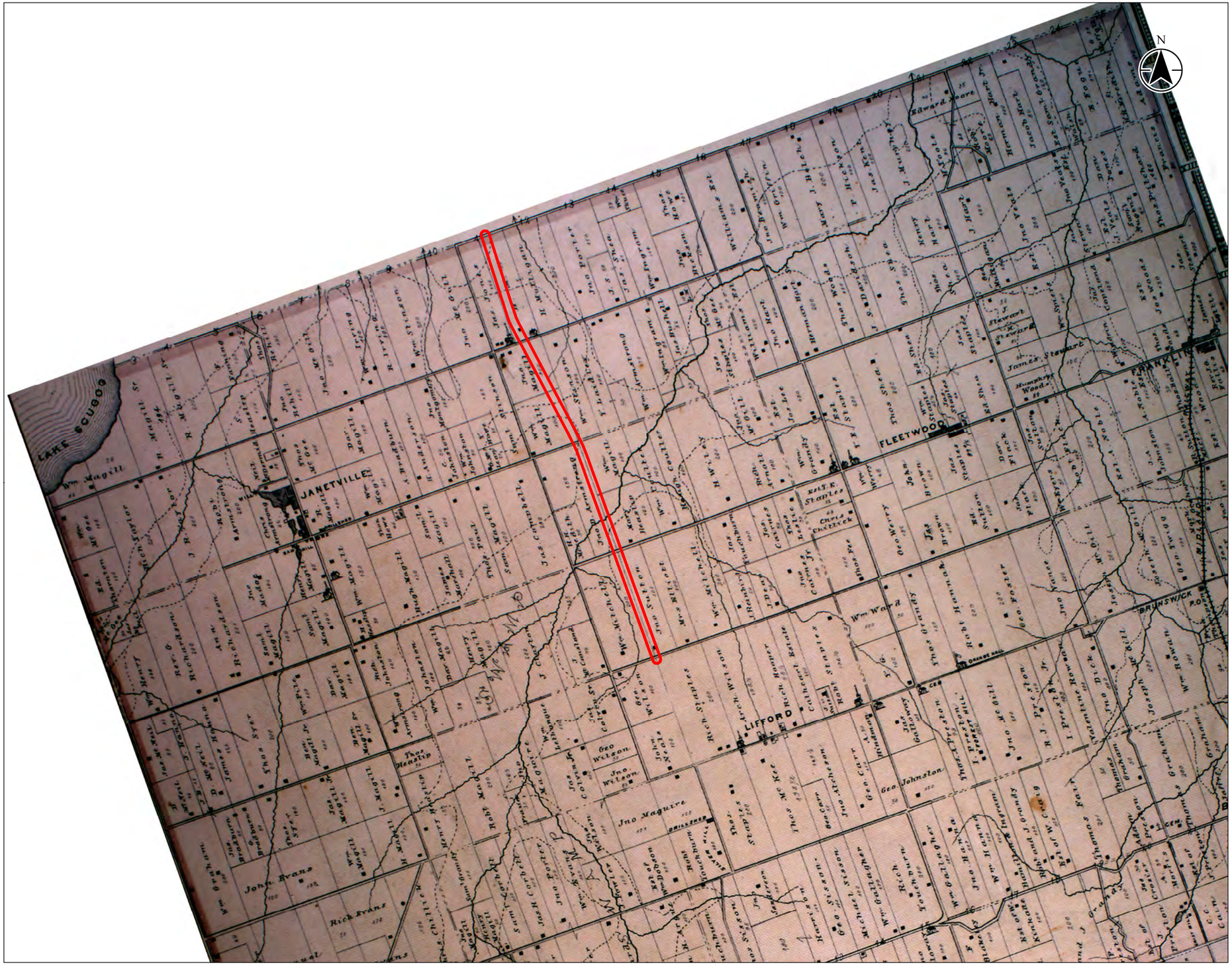
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Figure No.
6

Title
Ops Township, 1881

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N
LAKE SCUGOG
JANETVILLE
FLEETWOOD
LIFFORD
BRUNSWICK
Wm Magill
John Evans
Rich Evans
Jno Maguire
Wm Ward
Jno Wilson
Geo Wilson
Geo Johnston
Thos Stapleton
Jno Stapleton
Jno Mitchell
Jno Foster
Jno Jones
Jno Hall
Jno Hart
Jno Hunter
Jno Brown
Jno Gilbert
Jno Hamilton



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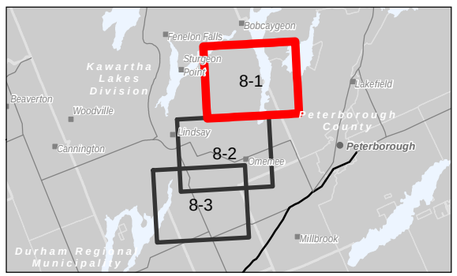
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Cultural Heritage Study Area

Figure Not to Scale

Notes

1. Sources: Department of National Defence. 1938. Topographic Map, Ontario, Scugog Sheet.



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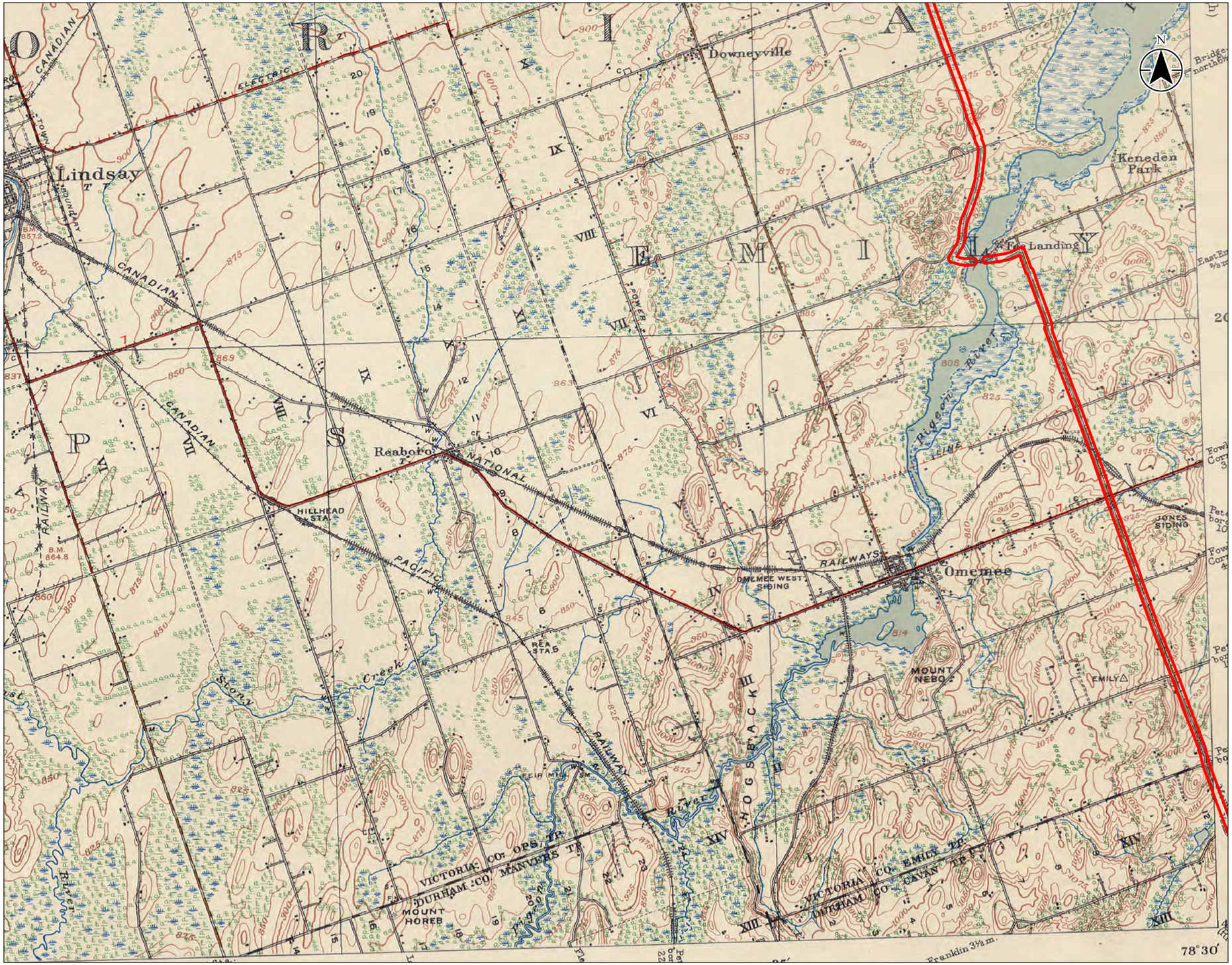
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Figure No.
8-1

Title
Topographic Mapping, 1938

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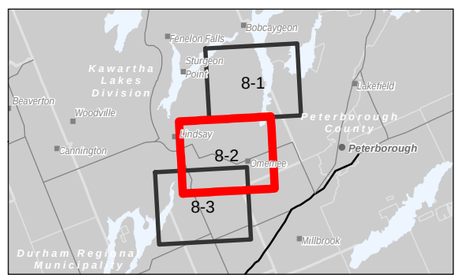
Cultural Heritage Study Area

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Figure Not to Scale

Notes

1. Sources: Department of National Defence. 1938. Topographic Map, Ontario, Scugog Sheet.



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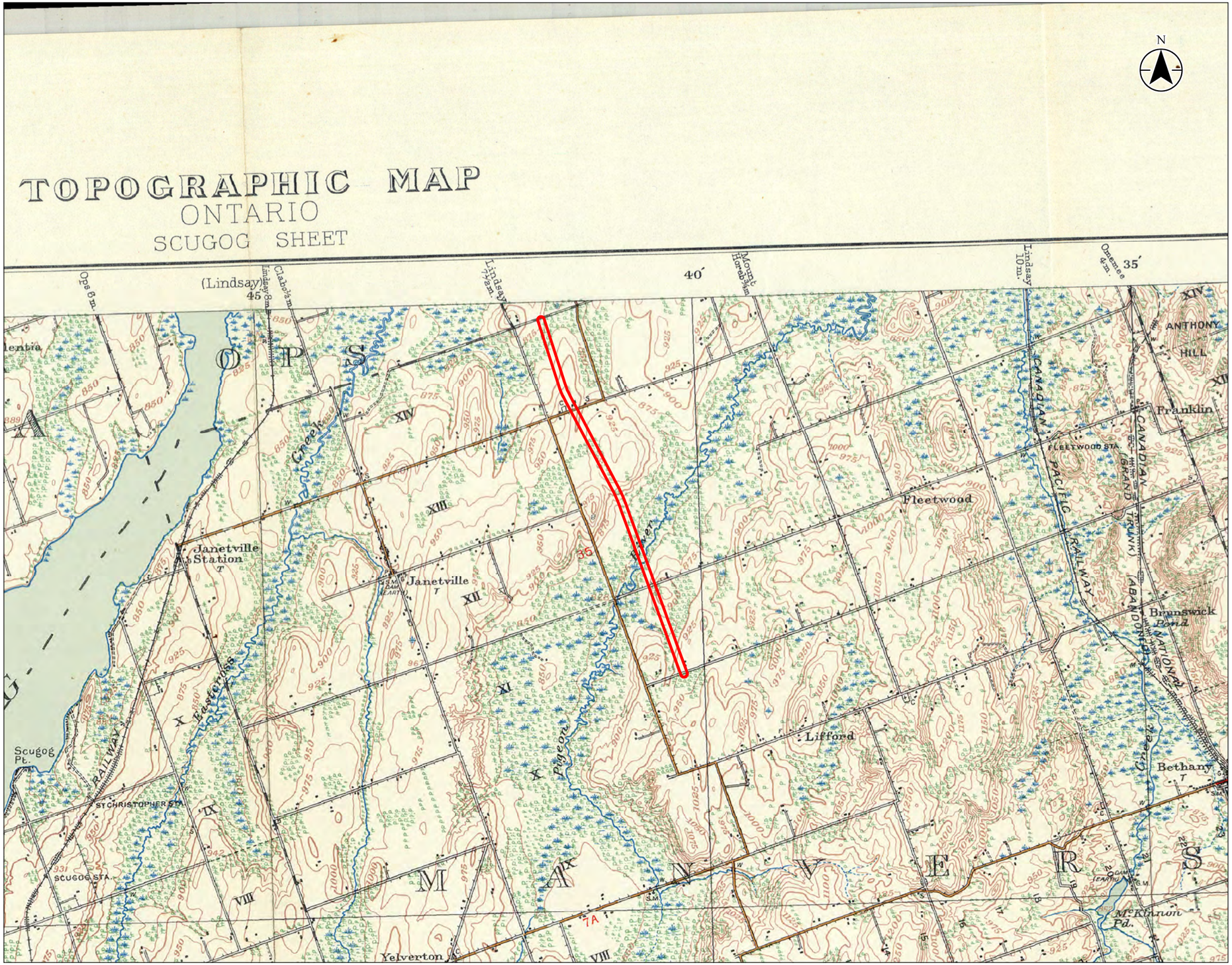
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Figure No.
8-2

Title
Topographic Mapping, 1938

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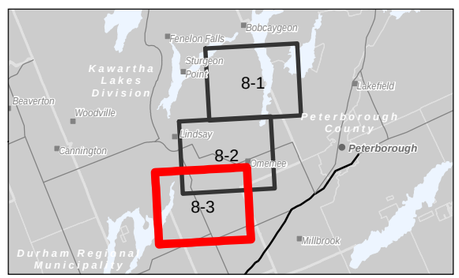
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Cultural Heritage Study Area

Figure Not to Scale

Notes

1. Sources: Department of National Defence. 1938. Topographic Map, Ontario, Scugog Sheet.



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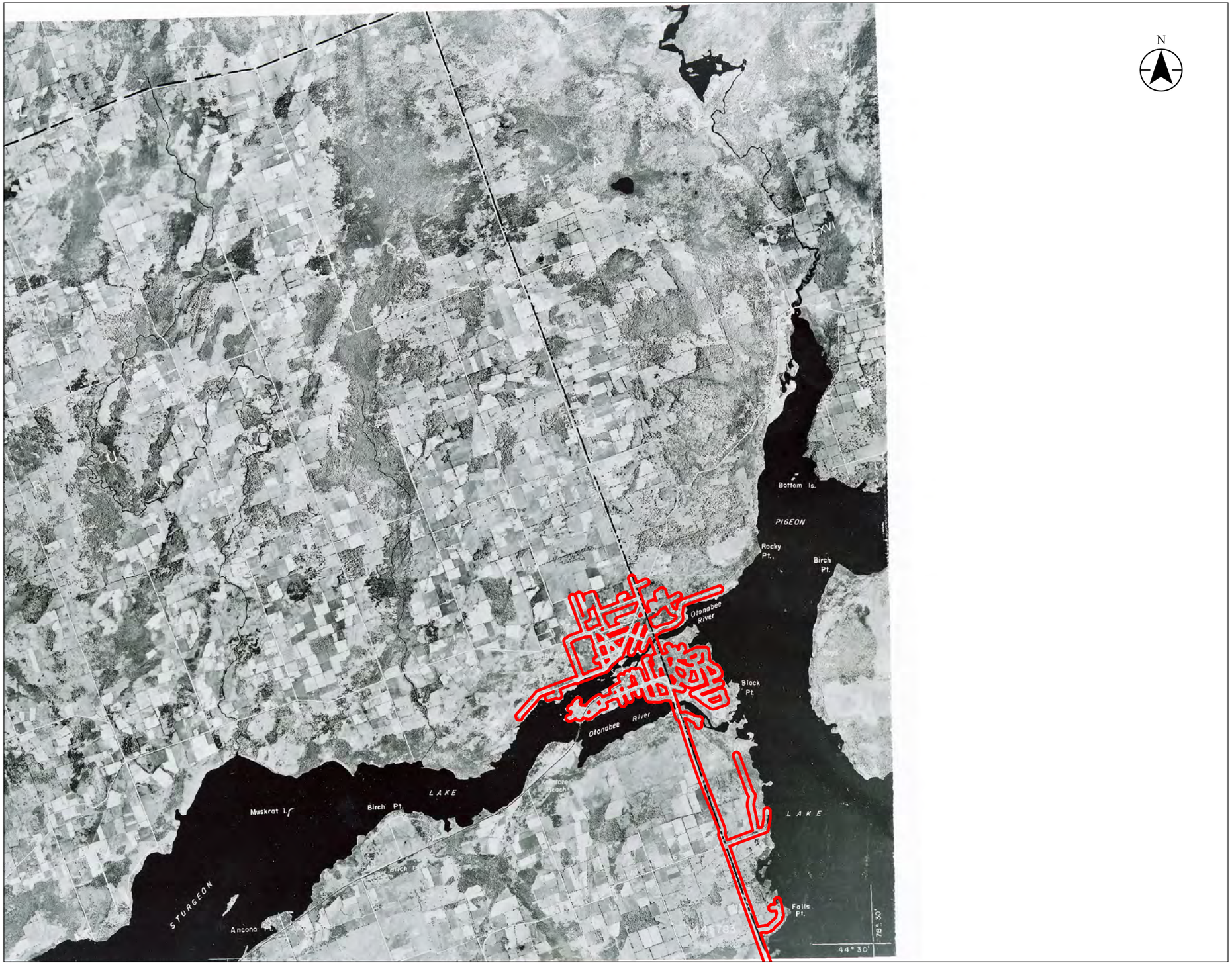
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Figure No.
8-3

Title
Topographic Mapping, 1938

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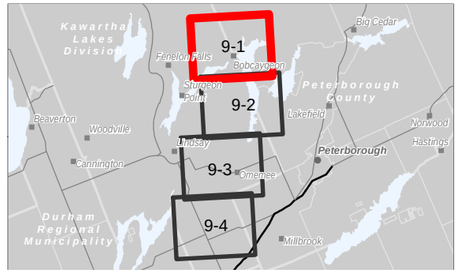
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Cultural Heritage Study Area

Figure Not to Scale

Notes

1. Source: University of Toronto. 1954. Air Photos of Southern Ontario.



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BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
9-1

Title
Aerial Photography, 1954

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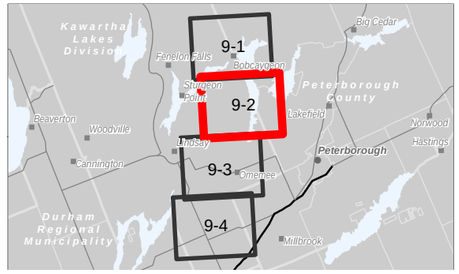
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Cultural Heritage Study Area

Figure Not to Scale

Notes

1. Source: University of Toronto. 1954. Air Photos of Southern Ontario.



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Figure No.
9-2

Title
Aerial Photography, 1954

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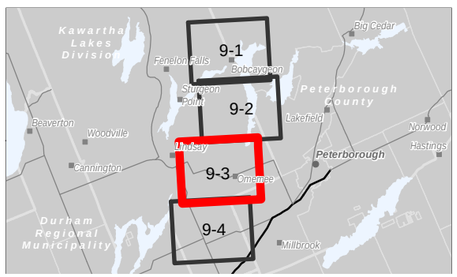
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Cultural Heritage Study Area

Figure Not to Scale

Notes

1. Source: University of Toronto. 1954. Air Photos of Southern Ontario.



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City of Kawartha Lakes and County of Peterborough

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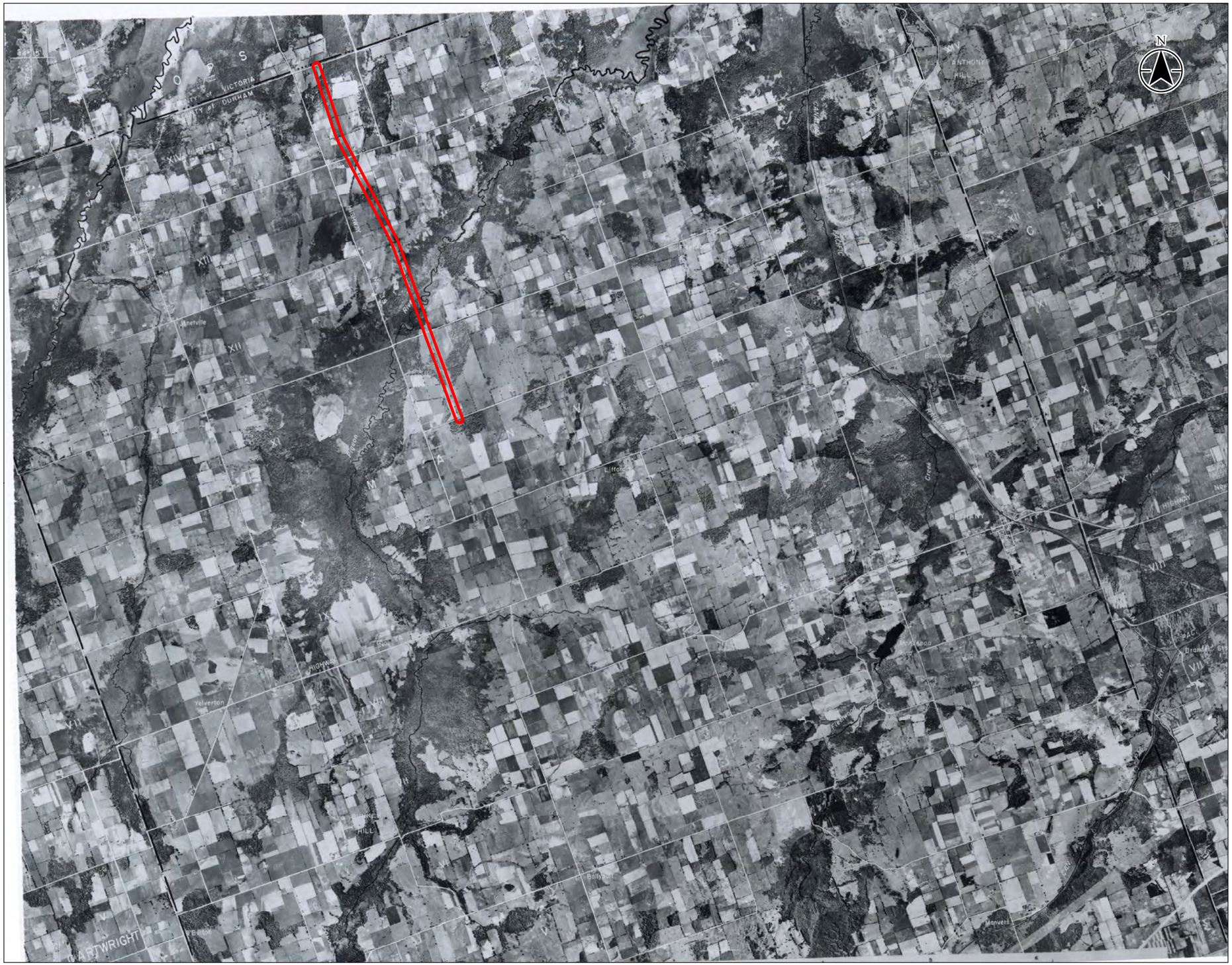
Client/Project
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Figure No.
9-3

Title
Aerial Photography, 1954

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3.2 THEMATIC DEVELOPMENT

3.2.1 Introduction

The thematic development of the Study Area during the 19th and 20th centuries has been strongly influenced by several factors which have also played a broader role in the development of central Ontario. These themes include geographic factors as well as historical factors. The following key themes were identified for the Study Area:

- Emigration from British Isles and Early Settlement (1816-1850)
- 19th Century Growth and Infrastructure Development (1851-1871)
- Mechanization of Agriculture and Urban Migration (1872-1929)
- Rise of Leisure and Tourism (1930-Present)

These themes and their implications on the development of the Study Area are discussed in the following sections.

3.2.2 Emigration from British Isles and Early Settlement (1816-1850)

The initial settlement of the townships located within the Study Area is linked to the large wave of emigration from the British Isles to Upper Canada between the end of the Napoleonic Wars in 1815 until about 1850 (McCalla 1993 3-4). The British government supported immigration to Upper Canada and numerous immigration schemes received political support during the early and mid-1800s. British officials believed that transferring a “surplus” population from the mother country into colonial holdings would be a mutually beneficial arrangement that supported the wider British Empire.

British officials looked to Ireland and Scotland as areas containing impoverished populations that could benefit from relocation (Craig 1964: 128). The Robinson Settlers, many of which were located in Emily Township, was part of one of these settlement schemes. As a result of mass immigration and a high birth rate, the population of Upper Canada increased seven percent a year until 1850 (McCalla 1993: 3). Many of the settlers to the townships of the Study Area are linked to this period of immigration and were instrumental to settling the townships of the Study Area.

Chart 1 shows that by 1851 immigrants from the British Isles accounted for just under 50% of the populace in most townships that are part of the Study Area. When accounting for the fact that many of the Canadian born enumerated in the chart below would have been children of these British immigrants, it is evident that this wave of migration had an important impact on the development of the townships located in the Study Area.

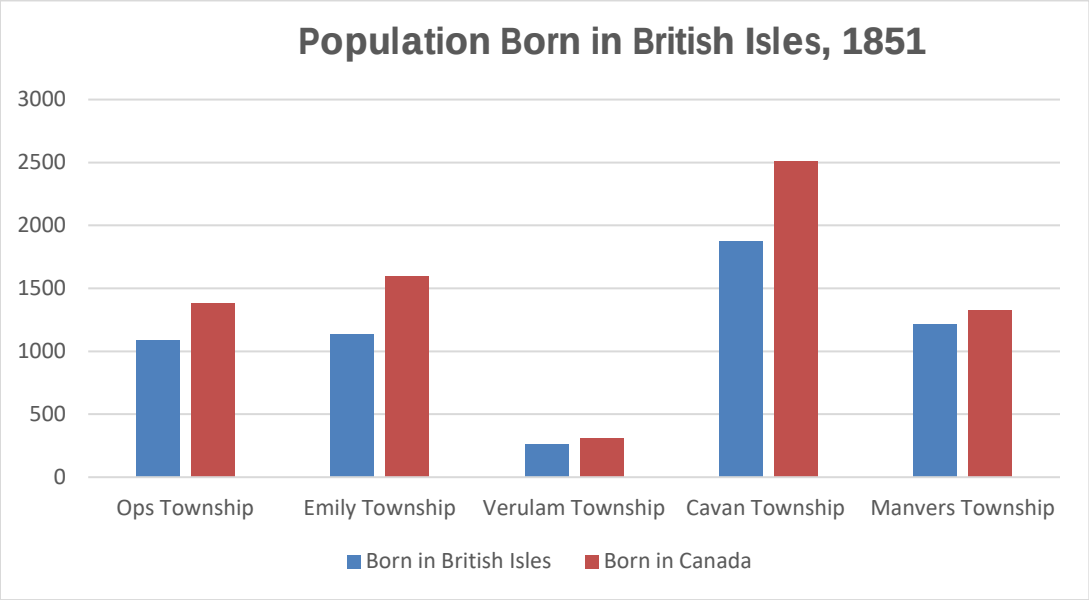


Chart 1: Population born in British Isles, 1851 (Census of Canada 1851)

3.2.3 19th Century Growth and Infrastructure Development (1851-1871)

The arrival of the Port Hope, Lindsay, and Beaverton Railway in Victoria and Durham County in 1857 contributed to an economic and population boom in the area. Prior to the opening of the railway, navigation along the lakes and rivers of the area was the primary mode of transit. The construction of the railway connected Victoria County and the northern townships of Durham County with access to shipping on Lake Ontario from Port Hope (Kirkconnell 1967: 179-181). The Township of Verulam was the only township in the Study Area not serviced by railway in the 19th century. It remained comparatively underdeveloped compared to the other townships of the Study Area. While partly due to the more challenging geography north of Sturgeon Lake, the lack of a railway did impede development, especially in Bobcaygeon.

The introduction of rail service also coincided with efforts to improve the road conditions. While many roadways in the townships of the Study Area remained rudimentary, stagecoach service was introduced between the major settlements, including Lindsay and Peterborough. However, roadway conditions were not meaningfully improved until road maintenance was professionalized in the early 20th century (Kirkconnell 1967: 192-193).

Travel along the water was gradually improved as the Trent-Severn waterway system was completed in a piecemeal fashion beginning in the 1830s. By 1840, a lock was built at Bobcaygeon to facilitate shipping and in 1844 a lock was completed at Lindsay. The opening of the railways beginning the 1850s resulted in both competition and cooperation between the railways of the area and the Trent-Severn system. While the railways diminished the role of the waterways of the area, the Trent-Severn system could also be used to transport lumber to more southerly areas serviced by rail. During the 1860s and 1870s the new Dominion government undertook significant repairs and construction along the Trent-Severn waterway to encourage immigration and economic development in the area (Wilson 2015).

These combined infrastructure improvements resulted in rapid population increase and economic development in the townships of the Study Area between 1851 and 1871. The populations of all the townships in the Study Area rapidly increased during the 1850s and 1860s. These gains mostly stabilized by the Census of 1871, and the populations of Cavan Township , and Emily Township slightly declined. Chart 2 shows the population development of the townships of the Study Area. The rapid economic development of the Study Area between 1851 and 1871 is evidenced by the increase of acreage under cultivation during this period. Chart 3 shows the increase in acreage under cultivation in the Study Area between 1851 and 1881.

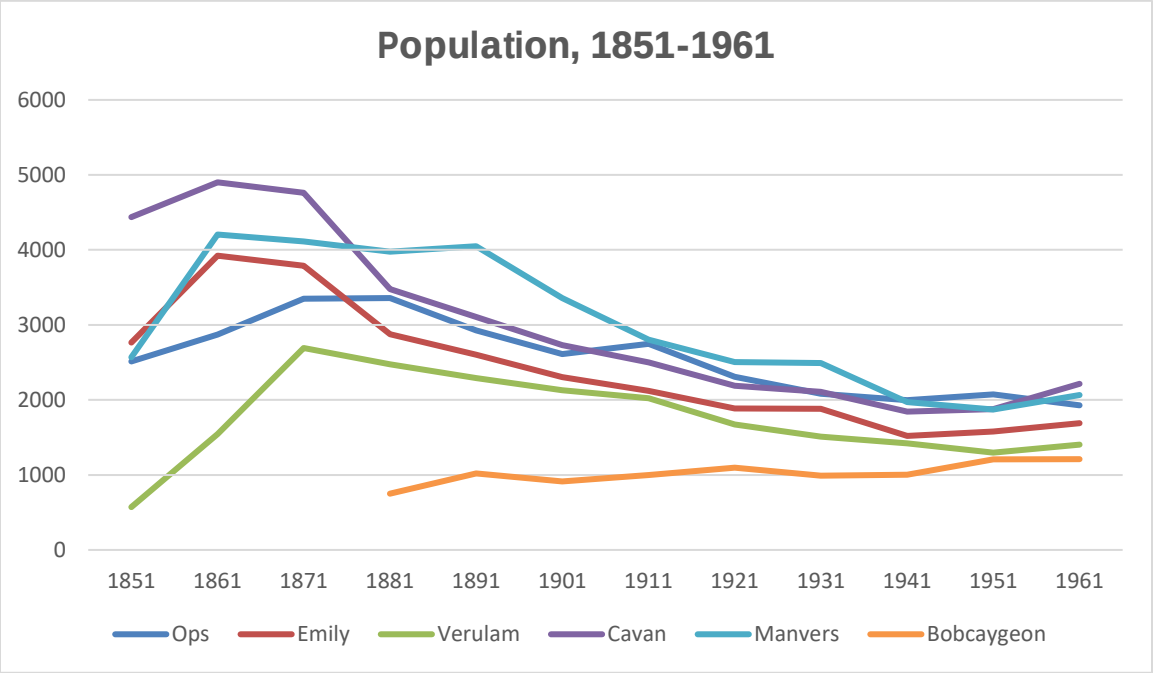


Chart 2: **Population of Study Area, 1851-1961 (Census of Canada 1851, Census of Canada 1861, Dominion Bureau of Statistics 1953a, Dominion Bureau of Statistics 1962)**

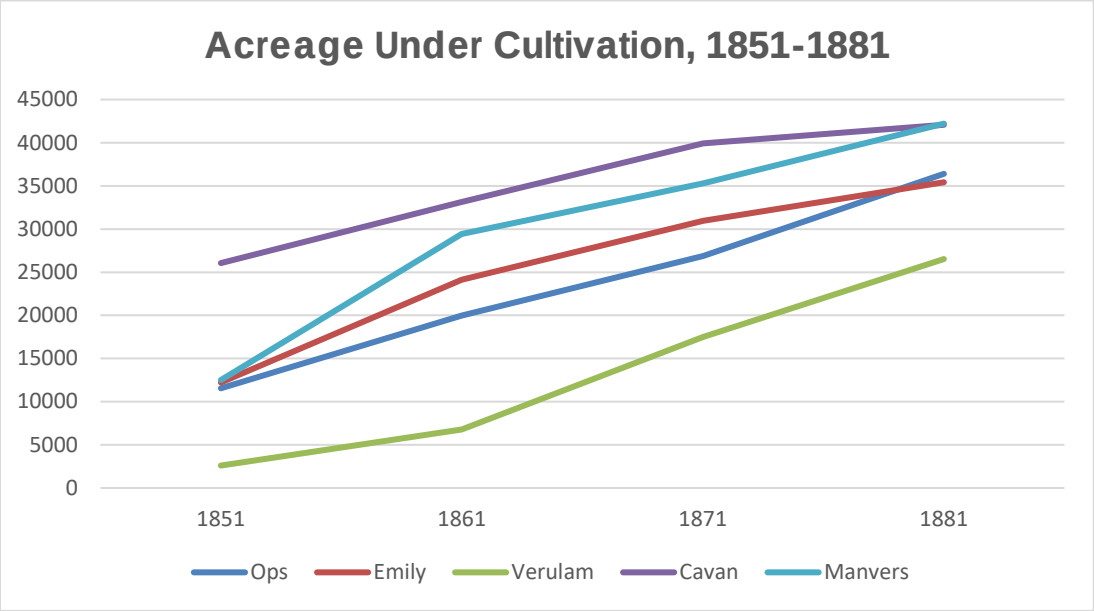


Chart 3: Acreage under cultivation, 1851-1881 (Census of Canada 1851 to 1881)

3.2.4 Mechanization of Agriculture and Urban Migration (1872-1929)

Like much of Ontario, the Study Area was impacted by broader trends in urbanization and mechanization during the late 19th to mid-20th century. After 1871, all the townships of the Study Area entered into a period of population decline that persisted until the post Second World War period.

During the late 19th and early 20th century, most farms were owned by the family who worked them. In general, farms were inherited, and the average lifespan of Ontarians was increasing. Therefore, many children of farmers sought opportunity in the newly opened lands of western Canada or migrated to the burgeoning industrial cities of Ontario. While the farm population was declining, improvements in technology allowed farmers to cultivate more land with less labour. The townships of the Study Area were no exception to this broader trend. While the population of the townships of the Study Area declined during the late 19th and early 20th century, the agricultural productivity of the townships continued to increase in the late 19th century. Table 1 shows the amount of increase in improved acreage in the Study Area in 1881 and 1911.

Table 1: Improved Acreage, 1881 and 1911 (Census of Canada 1881, 1911)

Township	Improved acreage, 1881	Improved acreage, 1911
Ops	36,396 acres	42,167 acres
Emily	35,419 acres	42,572 acres
Verulam	26,524 acres	31,236 acres
Cavan	42,076 acres	45,944 acres
Manvers	42,209 acres	45,628 acres

During the early to mid-20th century the farmers of the Study Area turned increasingly to livestock production. As a result, the amount of acreage dedicated to crops began to fall, resulting in a decrease of improved acreage after 1921 (Census of Canada 1921).

3.2.5 Rise of Leisure and Tourism (1930-Present)

During the early 20th century, Victoria County, Durham County, and much of the province undertook significant efforts to improve the roadways of the area. Roadwork was professionalized and statute labour was abolished. Although, the "cottage culture" of Ontario predates the provincial road building program of the early 20th century, the introduction of road improvements, combined with the widespread adoption of the car, aided the growth of the tourist industry (Drummond 1987: 270). In 1904 the entire province contained only 535 cars; this number increased to 35,357 by 1914 and by 1939 increased to over 683,000 (Drummond 1987: 266, 269). Civic organizations and government aimed to capitalize on the increased mobility of Canadians and Americans during the 1920s and 1930s. In 1934, the Canadian Travel Bureau was created by the Dominion government and embarked on a campaign to increase tourism from the United States (Dawson 2012). King's Highway 35 was established by the provincial government in 1931 to connect Lindsay and Fenelon Falls. Over the years it was expanded north to Haliburton County and south to Newcastle. It has developed into a roadway that connects the Greater Toronto Area with the cottaging and tourist opportunities of the Kawarthas (Bevers 2021).

The Kawartha Lakes area was a prime candidate to develop a thriving tourist trade. The area is located along scenic waterways, the historic Trent-Severn system, and only about an hour and one half from Toronto. During the mid to late 20th century the area developed a network of trails, parks, and attractions to establish a robust tourist trade and attract cottagers. In the early 21st, century tourism remains an important component of the local economy (Globe and Mail 2004

3.3 MUNICIPAL AND AGENCY INFORMATION REQUESTS

In order to identify previously identified built heritage resources or cultural heritage landscapes, the MHSTCI, OHT, City of Kawartha Lakes, Township of Cavan Monaghan, and County of Victoria Historical Society were contacted, and municipal heritage registers were reviewed. As a result of the data request and review of heritage registers, 14 properties were identified within the Study Area. This includes eight listed properties and two designated property in the City of Kawartha Lakes and four listed properties in the Township of Cavan Monaghan. Table 2 contains a summary of the requests and results.

Table 2: Municipal and Agency Data Request Results

Organization	Result	Municipal Address	Level of Recognition	Relationship to Study Area
OHT	No Trust owned properties or easements within Study Area	N/A	N/A	N/A
MHSTCI	No properties designated by Minister or provincial	N/A	N/A	N/A

Table 2: Municipal and Agency Data Request Results

Organization	Result	Municipal Address	Level of Recognition	Relationship to Study Area
	heritage properties within the Study Area			
City of Kawartha Lakes	Ten properties identified	3343 County Road 36	Listed	Within Study Area
		46 Boyd Street	Listed	Within Study Area
		3362 County Road 36	Listed	Within Study Area
		28 Boyd Street	Designated	Within Study Area
		21 Canal Street	Designated	Within Study Area
		35 Bolton Street	Listed	Within Study Area
		90 Bolton Street	Listed	Within Study Area
		49 King Street East	Listed	Within Study Area
		48 Main Street	Listed	Within Study Area
		43 Sherwood Street	Listed	Within Study Area
Township of Cavan Monaghan	Four properties identified	2132 County Road 10	Listed	Within Study Area
		2111 County Road 10	Listed	Within Study Area
		2454 Mount Pleasant Road	Listed	Within Study Area
		918 Mount Pleasant Road	Listed	Within Study Area
County of Victoria Historical Society	No properties identified	N/A	N/A	N/A

3.4 IDENTIFICATION OF PREVIOUSLY IDENTIFIED AND POTENTIAL BUILT HERITAGE RESOURCES AND CULTURAL HERITAGE LANDSCAPES

3.4.1 Field Program

As described in Section 2.4, a windshield survey of the Study Area was undertaken to identify potential built heritage resources and cultural heritage landscapes situated within the Study Area and confirm the presence of previously identified protected properties. Where identified, the site was photographically documented from publicly accessible roadways and its location was digitally recorded.

The character of the Study Area is influenced by the numerous drumlins and waterways of the Kawarthas. In general, the southerly parts of the Study Area are the hilliest. North of the Trans-Canada Highway the terrain is generally more gentle (Plate 2). The Study Area is generally rural in character and contains farmsteads comprised of pasture and areas used to grow crops. The farmsteads generally contain residences from the middle 19th century to early 20th century and with gable or gambrel roof barns and

outbuildings (Plate 3). While these farmsteads often contain heritage structures, they also often contain modern outbuildings and are part of a current agricultural operation. These farmsteads have been modified and modernized over the years to support current agricultural operations and are not considered to be potential cultural heritage landscapes.

The Study Area also contains communities, such as Mount Pleasant and Bobcaygeon, which include a mix of historical areas and modern developments and infill (Plate 4). Northern sections of the Study Area are located near Pigeon Lake and the area is characterized by a mix of agricultural properties and cottages along the lakeshore (Plate 5).



Plate 2: Drumlins in south section of Study Area



Plate 3: Gambrel roof barn and pasture



Plate 4: Looking north in Bobcaygeon

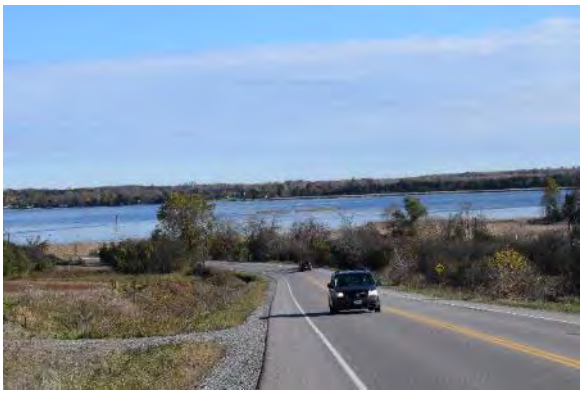


Plate 5: Looking east at Pigeon Lake

The potential for CHVI was identified through professional judgement, historical research, and evaluation following the MHSTCI *Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes* (MHSTCI 2016) and O. Reg 9/06. If found to have potential for CHVI, a structure or landscape was assigned a built heritage resource (referred to as BHR) or cultural heritage landscape (referred to as CHL) number and deemed to contain a potential built heritage resource or cultural heritage landscape. Because the assessment of impacts between the Reinforcement/Supply Lateral and potential distribution

components of the project are different, the potential distribution components are inventoried and assessed for impacts separately. To differentiate between potential built heritage resources and cultural heritage landscapes located in the potential distribution area, these resources are assigned a DBHR or DCHL number.

A total of 53 previously designated or newly identified potential built heritage resources or cultural heritage landscapes were identified following the application of the screening criteria in the Supply Lateral/Reinforcement section of the project (Figure 10). Within the potential distribution section, a total of 72 previously designated or newly identified potential built heritage resources or cultural heritage landscapes were identified following the application of the screening criteria (Figure 11). Each property was considered both as an individual built heritage resource and as part of a larger potential cultural heritage landscape. Table 3 provides an overview of the identified built heritage resources and cultural heritage landscapes in the Reinforcement/Supply Lateral section of the project and Table 4 provides an overview of the identified built heritage resources and cultural heritage landscapes in the potential distribution section of the project



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Legend

- Cultural Heritage Study Area
- Potential Distribution

Cultural Heritage Resources

- Potential Distribution Built Heritage Resource/Cultural Heritage Landscape

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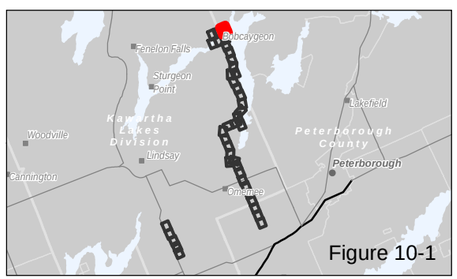


Figure 10-1

Project Location
City of Kawartha Lakes and County of Peterborough

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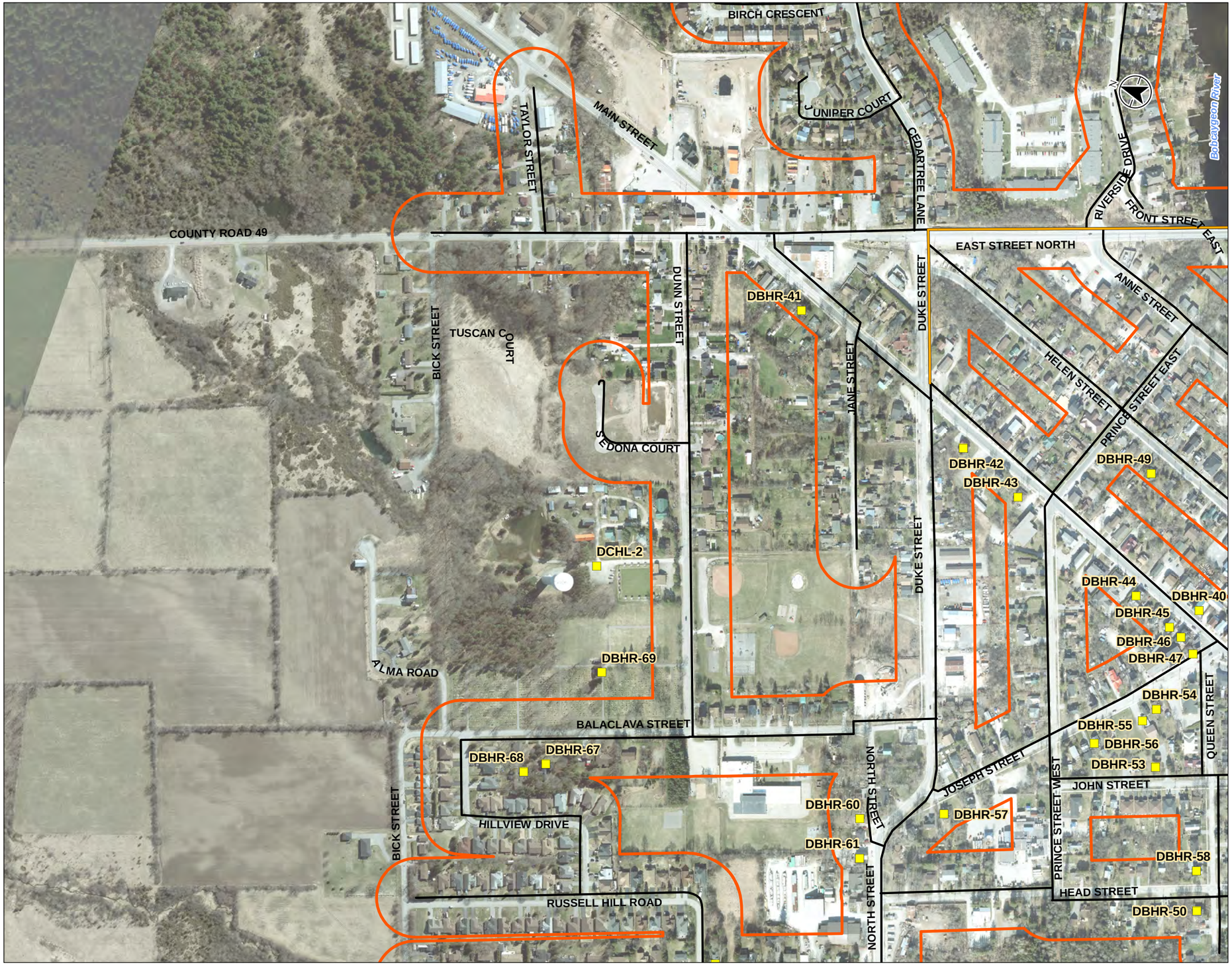
Client/Project
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Figure No.
10-1

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Potential Distribution

Cultural Heritage Resources

- Potential Distribution Built Heritage Resource/Cultural Heritage Landscape

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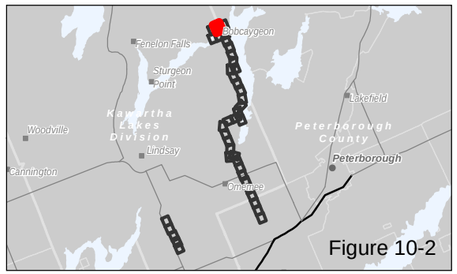


Figure 10-2

Project Location
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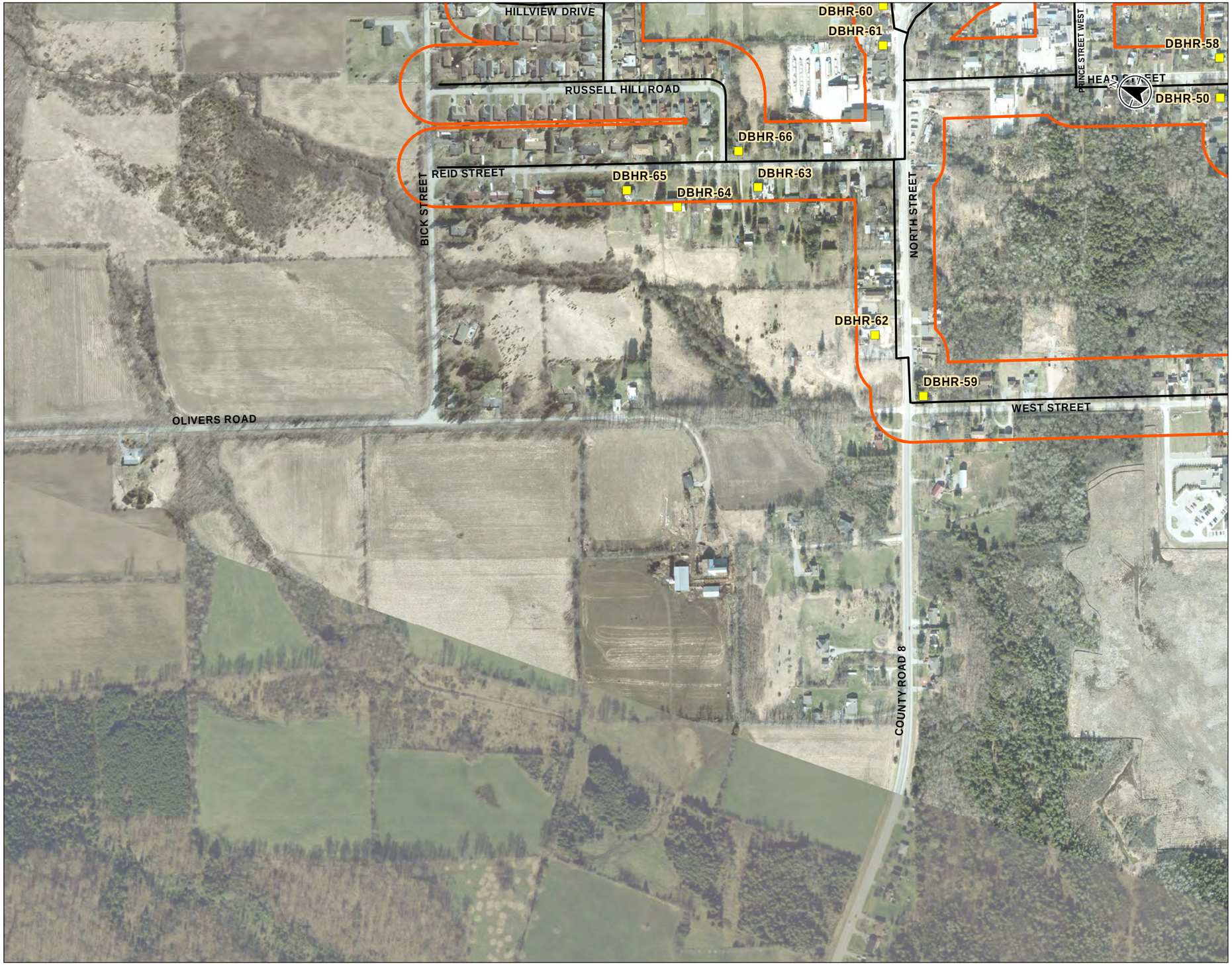
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Figure No.
10-2

Title
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Legend

- Cultural Heritage Study Area
- Potential Distribution

Cultural Heritage Resources

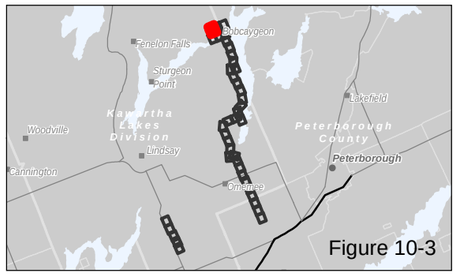
- Potential Distribution Built Heritage Resource/Cultural Heritage Landscape

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Figure No.
10-3

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Potential Distribution

Cultural Heritage Resources

- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape
- Potential Distribution Built Heritage Resource/Cultural Heritage Landscape

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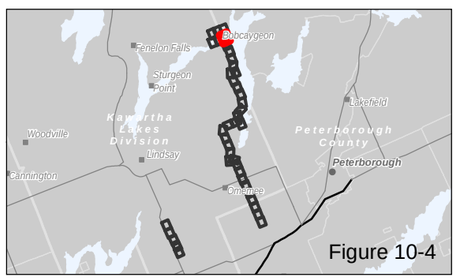


Figure 10-4

Project Location
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Figure No.
10-4

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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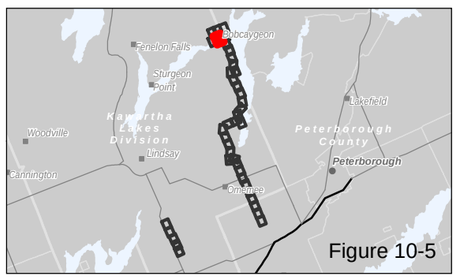
- Cultural Heritage Study Area
- Potential Distribution

Cultural Heritage Resources

- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape
- Potential Distribution Built Heritage Resource/Cultural Heritage Landscape

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Figure No.
10-5

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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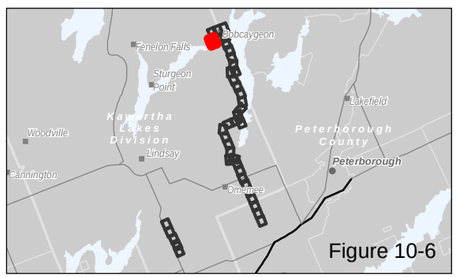
- Cultural Heritage Study Area
- Potential Distribution

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Figure No.
10-6

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Potential Distribution

Cultural Heritage Resources

- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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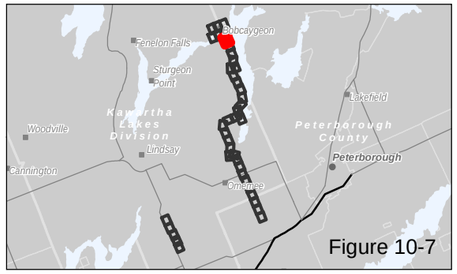


Figure 10-7

Project Location
City of Kawartha Lakes and County of Peterborough

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Figure No.
10-7

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Potential Distribution

Cultural Heritage Resources

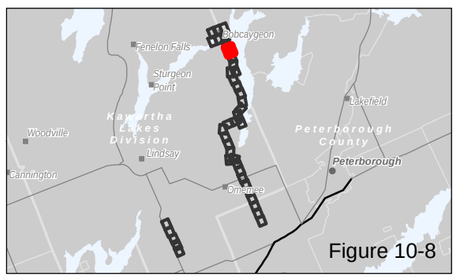
- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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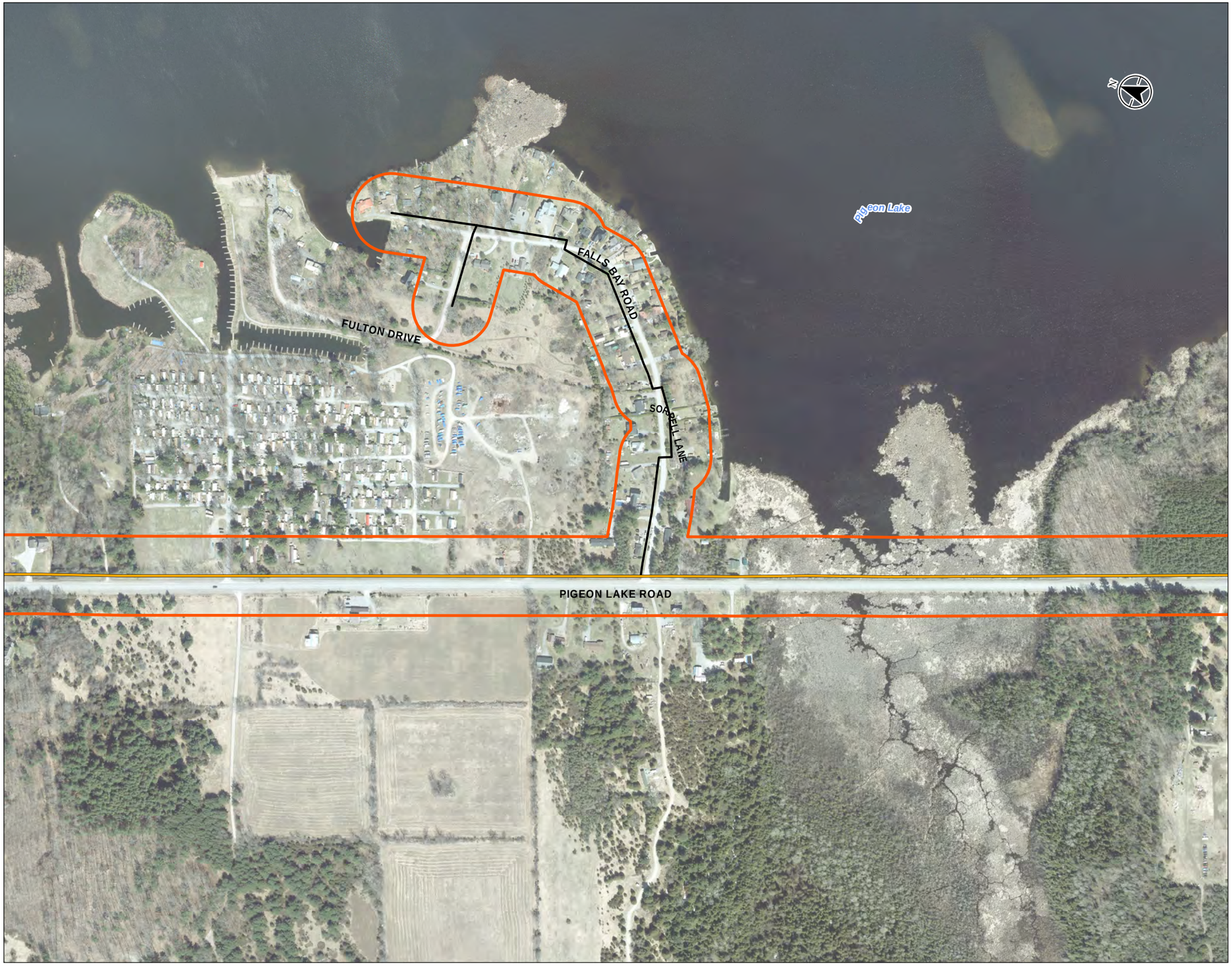
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-8

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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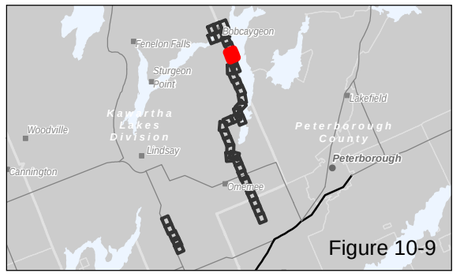


Stantec

Legend
- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Potential Distribution

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Figure No.
10-9

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Potential Distribution

Cultural Heritage Resources

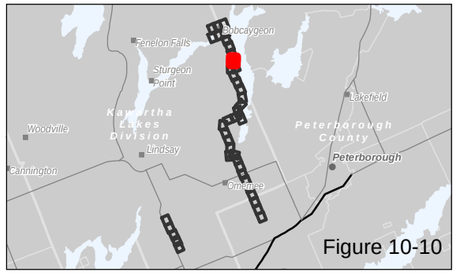
- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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Figure No.
10-10

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend
- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Potential Distribution

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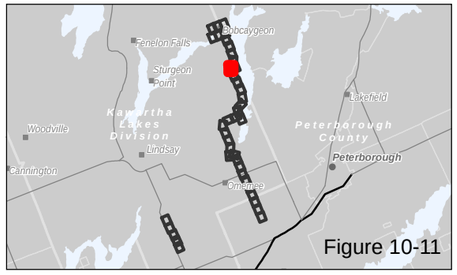


Figure 10-11

Project Location
City of Kawartha Lakes and County of Peterborough

160951170
Prepared by KB on 2022-04-13
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-11

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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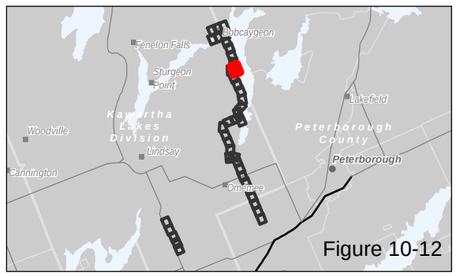


Stantec

Legend
- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Potential Distribution

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Notes
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Project Location
City of Kawartha Lakes and County of Peterborough

160951170
Prepared by KB on 2022-04-13
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-12

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preffered Route for Supply Lateral

Cultural Heritage Resources

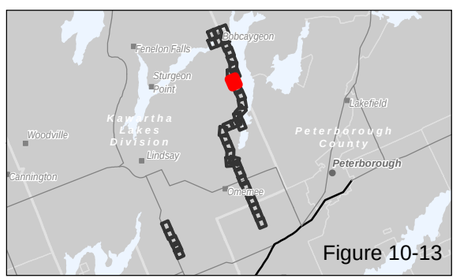
- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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Notes

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Project Location
City of Kawartha Lakes and County of Peterborough

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Prepared by KB on 2022-04-13
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-13

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Potential Distribution

Cultural Heritage Resources

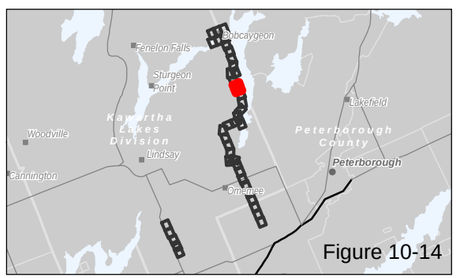
- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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Project Location
City of Kawartha Lakes and County of Peterborough

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Prepared by KB on 2022-04-13
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-14

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Potential Distribution

Cultural Heritage Resources

- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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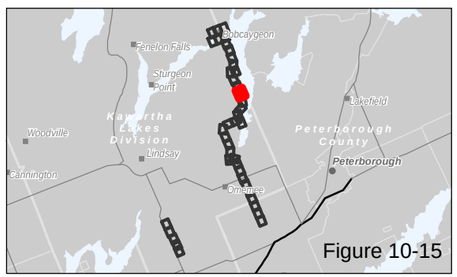


Figure 10-15

Project Location
City of Kawartha Lakes and County of Peterborough

160951170
Prepared by KB on 2022-04-13
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-15

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preffered Route for Supply Lateral

Cultural Heritage Resources

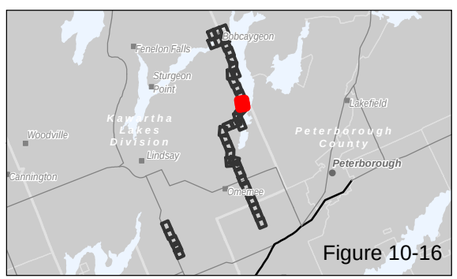
- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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Project Location
City of Kawartha Lakes and County of Peterborough

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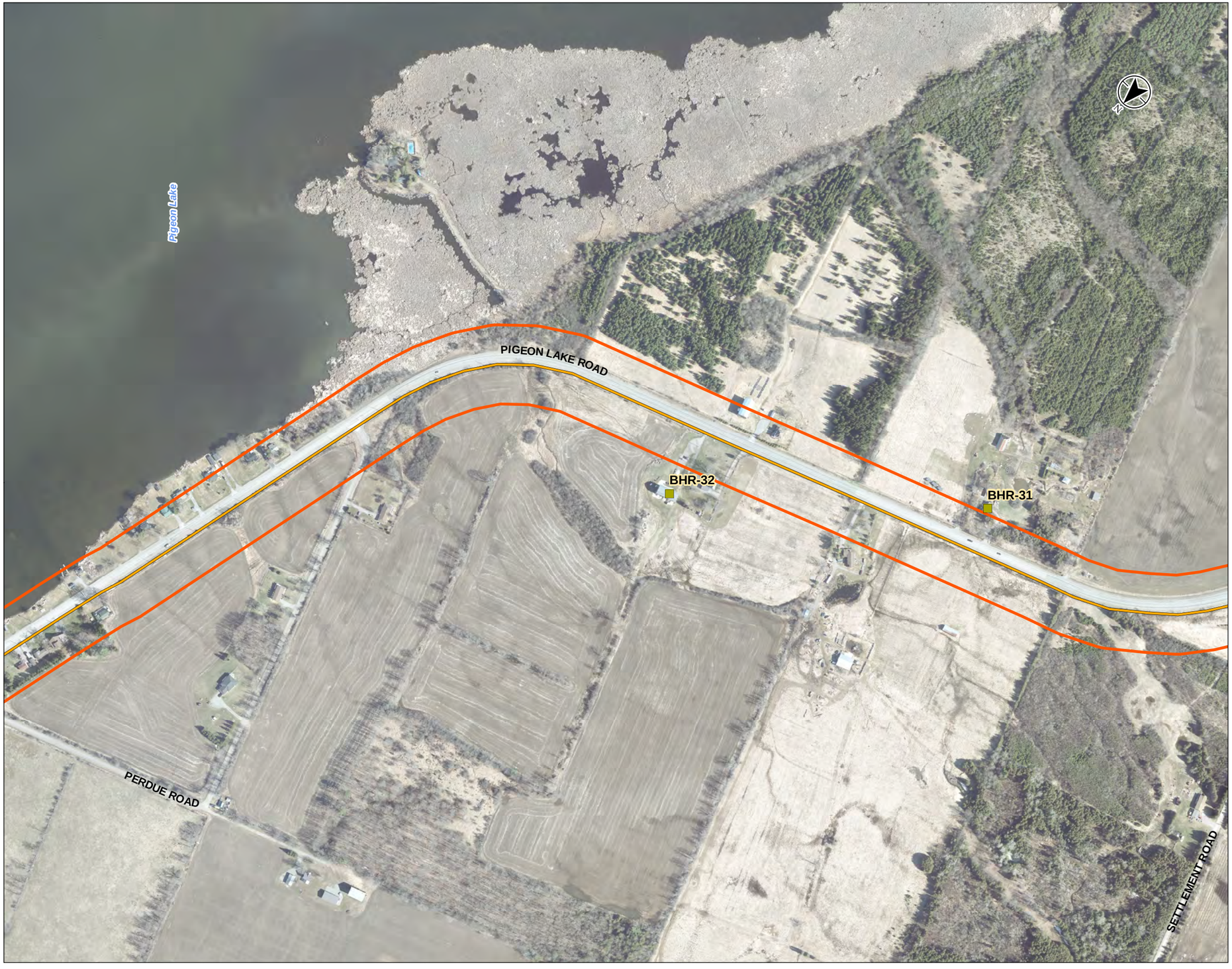
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-16

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preffered Route for Supply Lateral

Cultural Heritage Resources

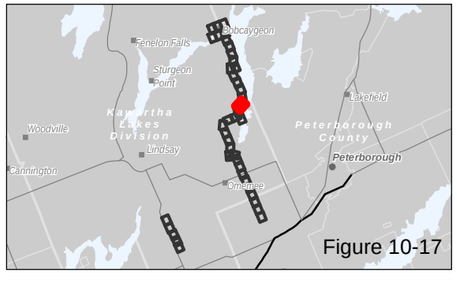
- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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Project Location
City of Kawartha Lakes and County of Peterborough

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Prepared by KB on 2022-04-13
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-17

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Potential Distribution

Cultural Heritage Resources

- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

0 100 200 m

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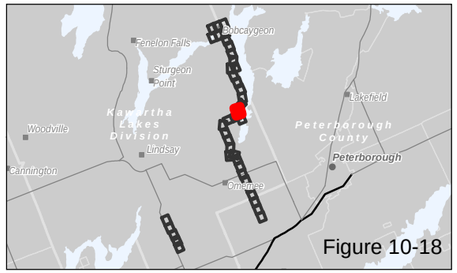


Figure 10-18

Project Location
City of Kawartha Lakes and County of Peterborough

160951170
Prepared by KB on 2022-04-13
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-18

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Potential Distribution

Cultural Heritage Resources

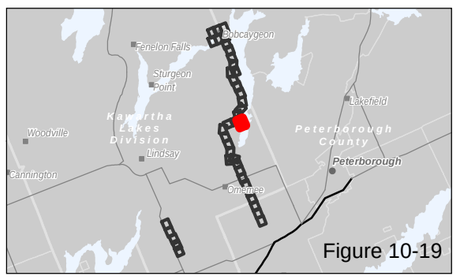
- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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Project Location
City of Kawartha Lakes and County of Peterborough

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Prepared by KB on 2022-04-13
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-19

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Potential Distribution

Cultural Heritage Resources

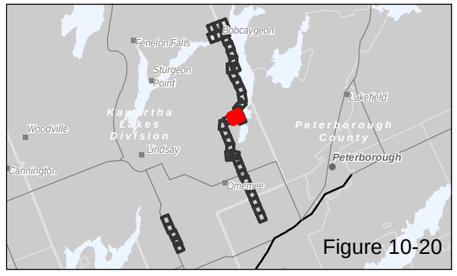
- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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Project Location
City of Kawartha Lakes and County of Peterborough

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Prepared by KB on 2022-04-13
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-20

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preffered Route for Supply Lateral

Cultural Heritage Resources

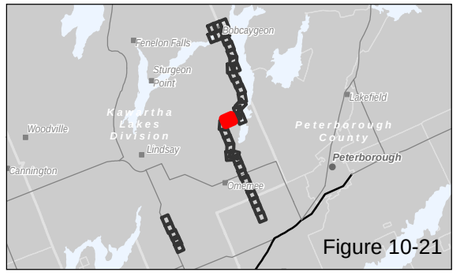
- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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Project Location
City of Kawartha Lakes and County of Peterborough

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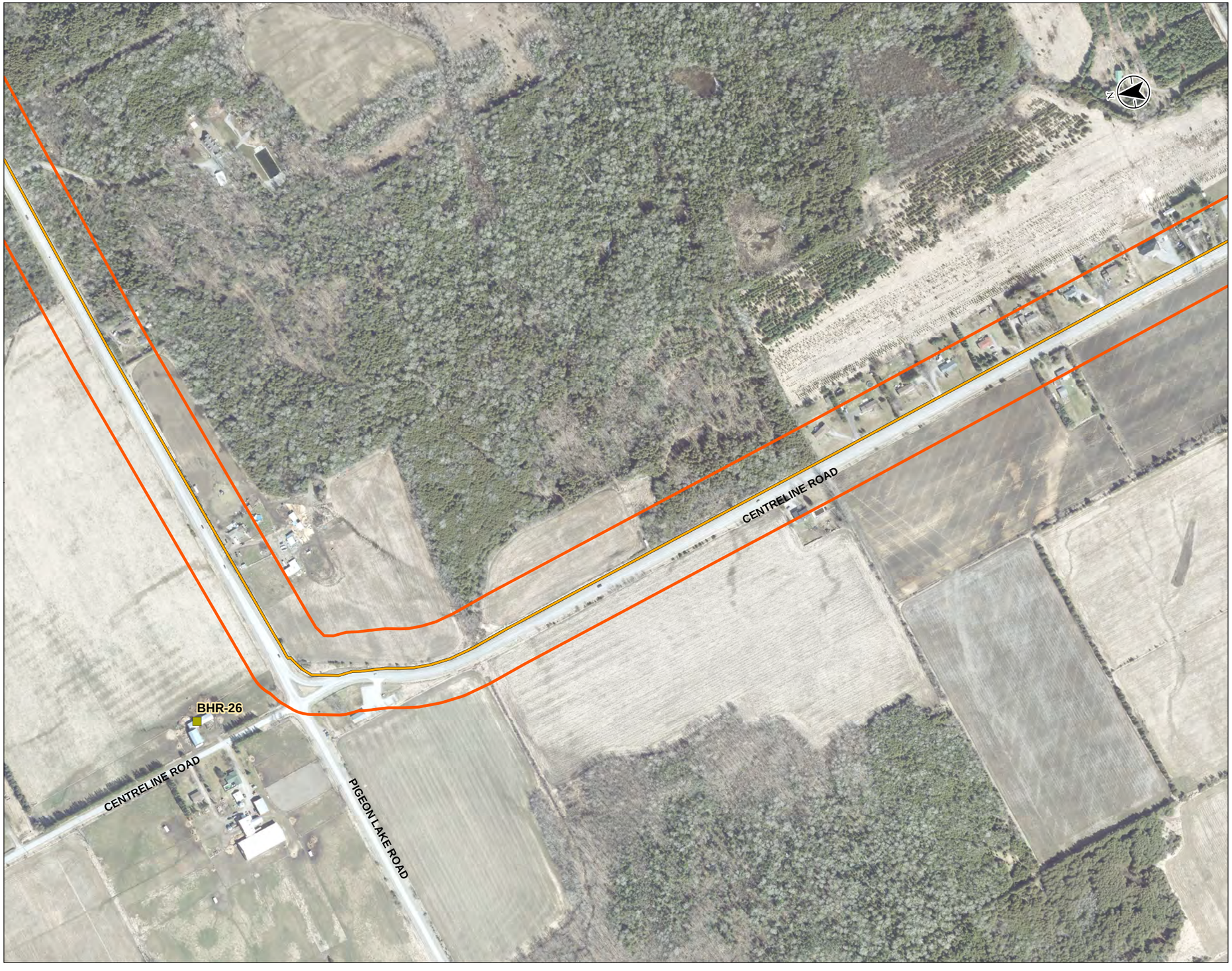
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-21

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preffered Route for Supply Lateral

Cultural Heritage Resources

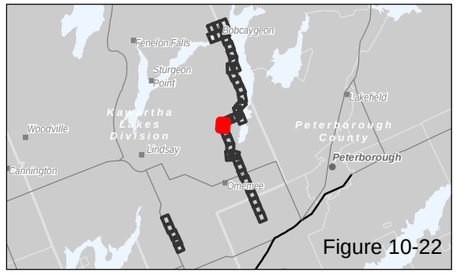
- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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Project Location
City of Kawartha Lakes and County of Peterborough

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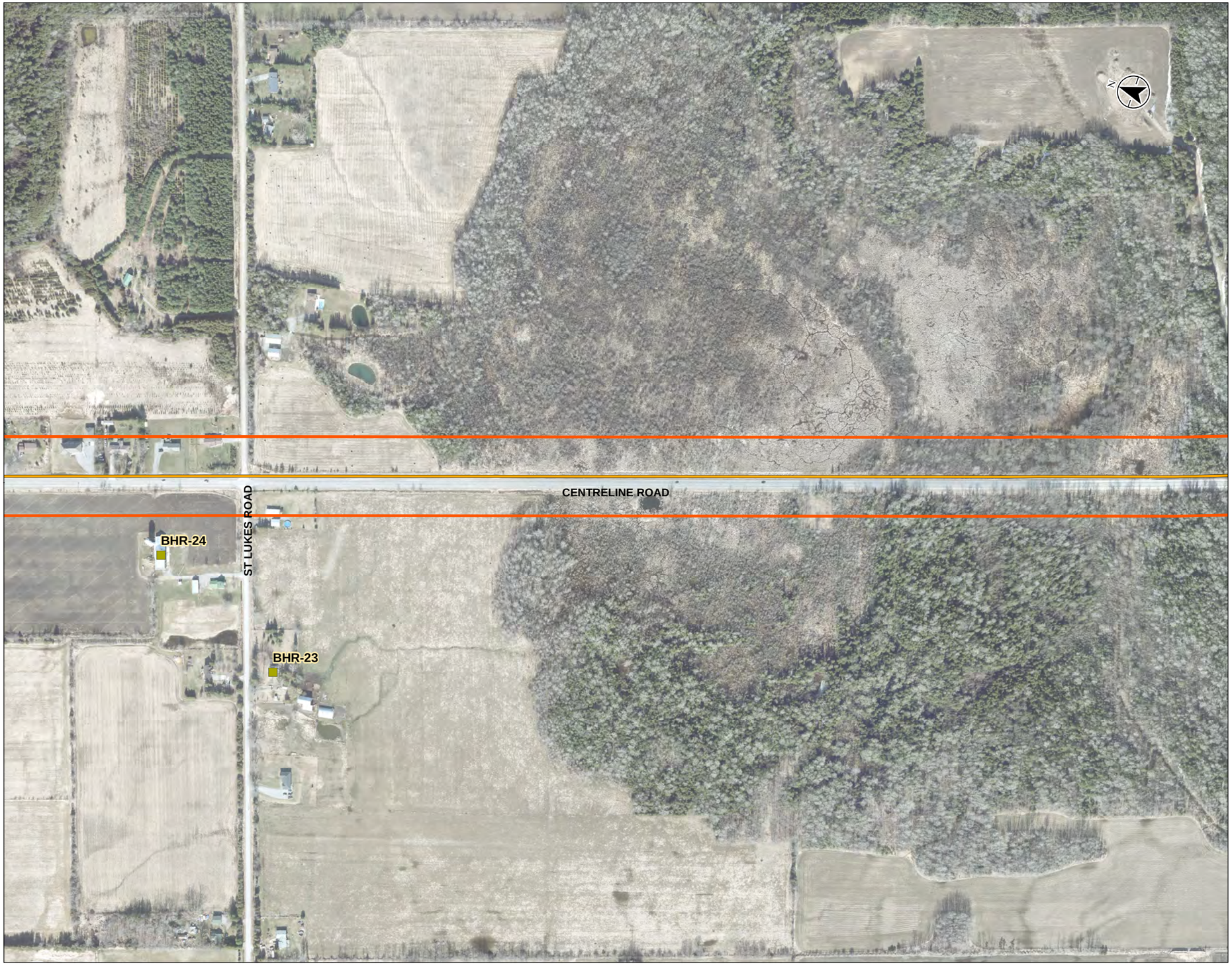
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-22

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preffered Route for Supply Lateral

Cultural Heritage Resources

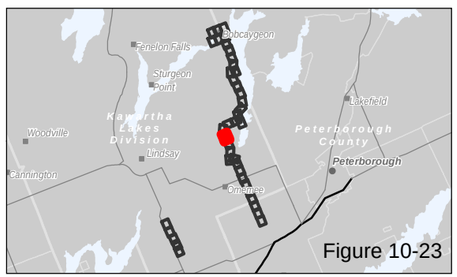
- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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Project Location
City of Kawartha Lakes and County of Peterborough

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Technical Review by SE on 2021-11-05

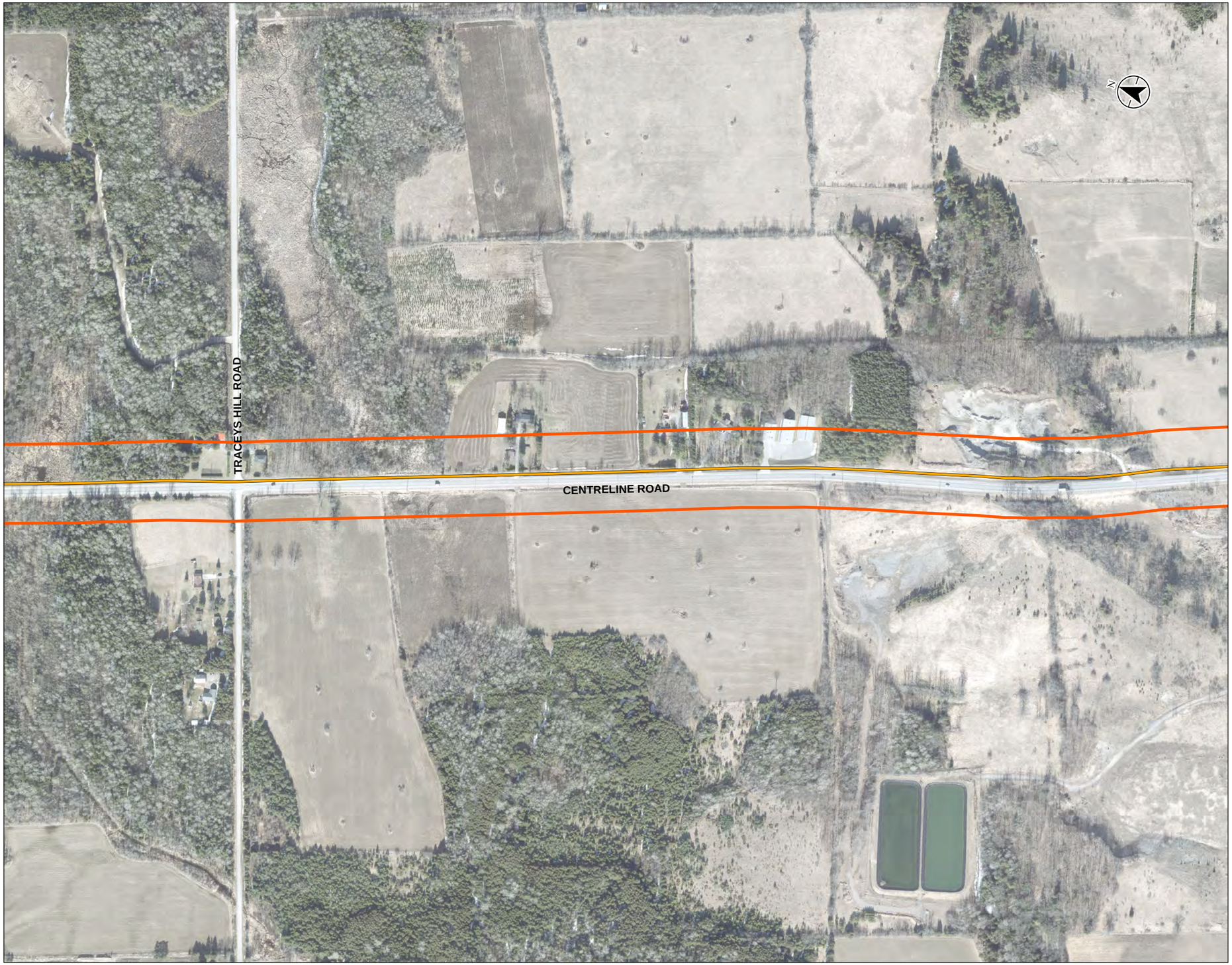
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-23

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

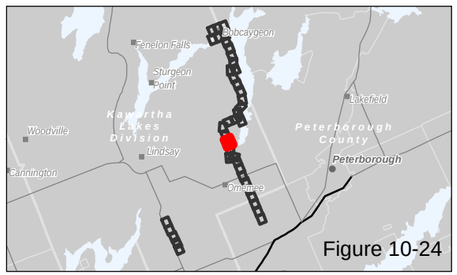
- Cultural Heritage Study Area
- Preffered Route for Supply Lateral

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Prepared by KB on 2022-04-13
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-24

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preffered Route for Supply Lateral

Cultural Heritage Resources

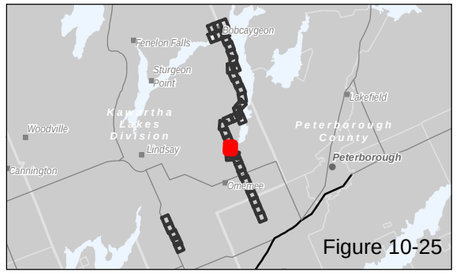
- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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Notes

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Project Location
City of Kawartha Lakes and County of Peterborough

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Prepared by KB on 2022-04-13
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-25

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Preferred Route for Reinforcement

Cultural Heritage Resources

- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

0 100 200 m

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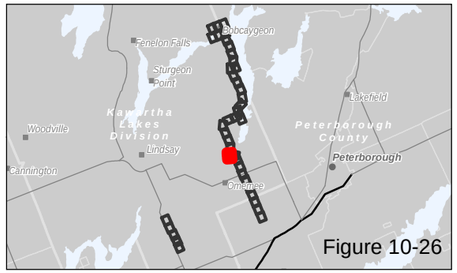


Figure 10-26

Project Location
City of Kawartha Lakes and County of Peterborough

160951170
Prepared by KB on 2022-04-13
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-26

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preffered Route for Supply Lateral
- Preferred Route for Reinforcement

Cultural Heritage Resources

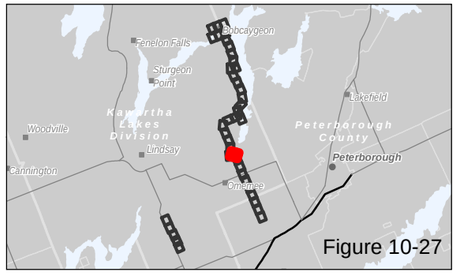
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Notes

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Project Location
City of Kawartha Lakes and County of Peterborough

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Prepared by KB on 2022-04-13
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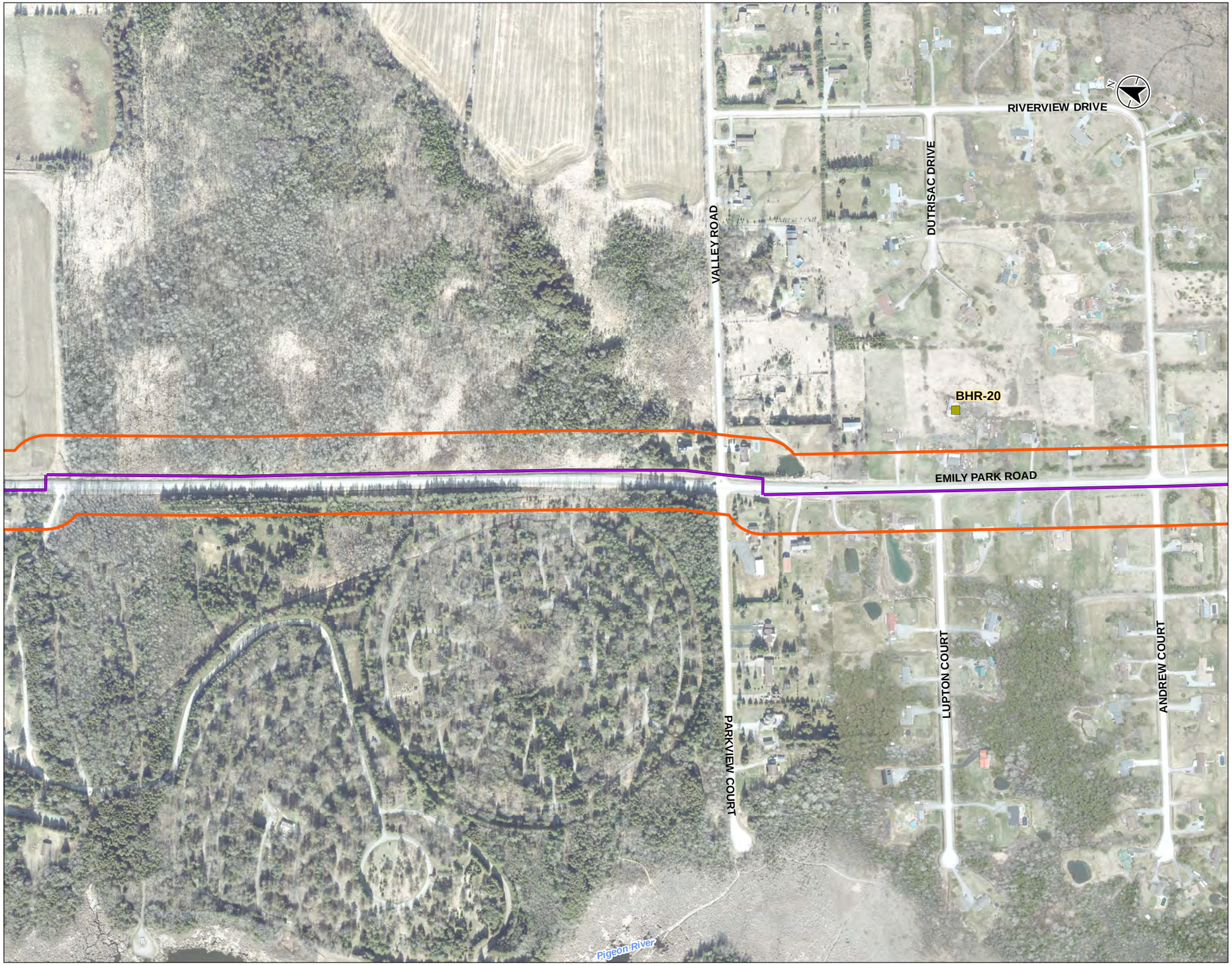
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-27

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preferred Route for Reinforcement

Cultural Heritage Resources

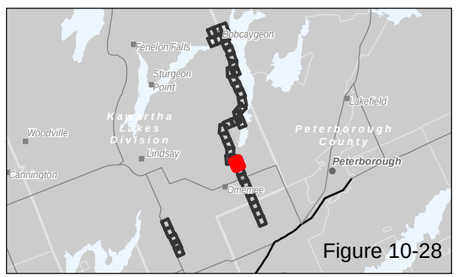
- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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Project Location
City of Kawartha Lakes and County of Peterborough

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Prepared by KB on 2022-04-13
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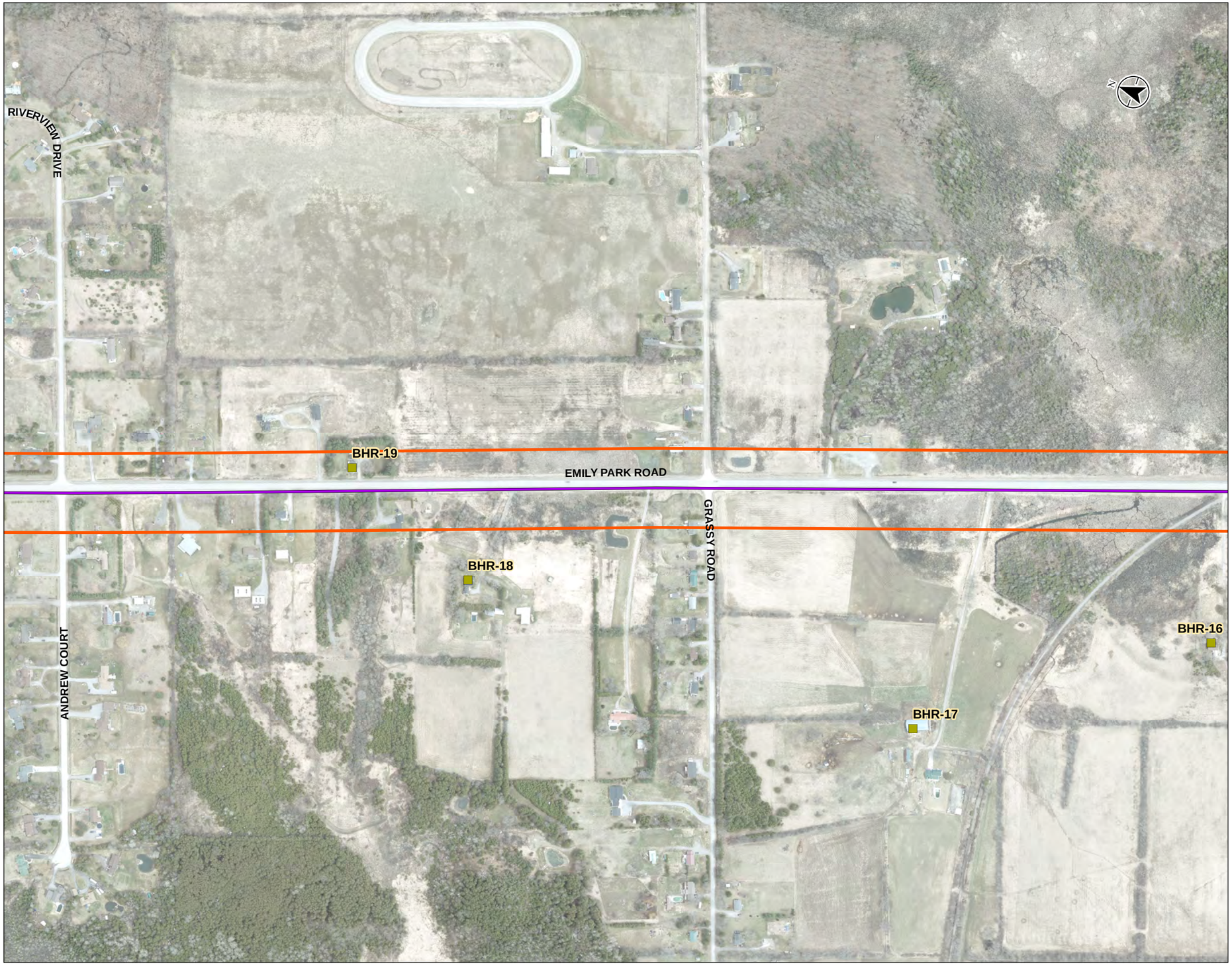
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-28

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preferred Route for Reinforcement

Cultural Heritage Resources

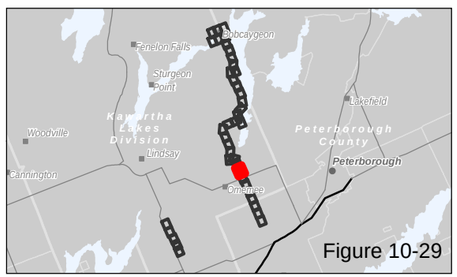
- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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Project Location
City of Kawartha Lakes and County of Peterborough

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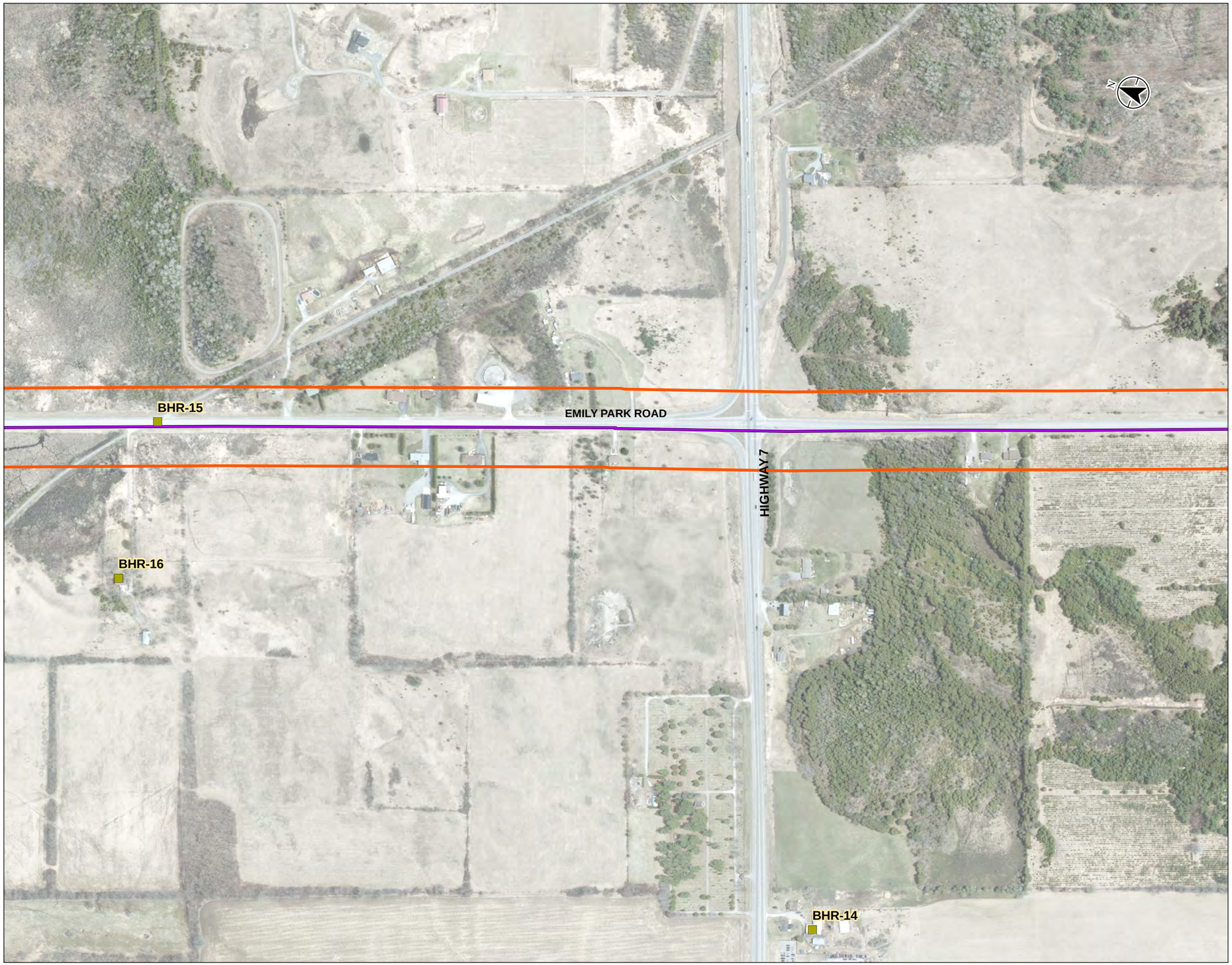
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-29

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preferred Route for Reinforcement

Cultural Heritage Resources

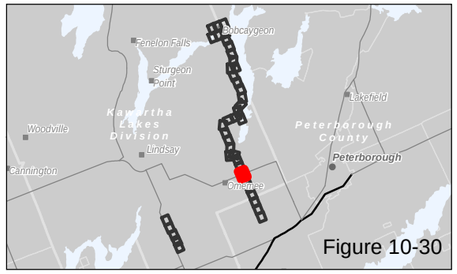
- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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Project Location
City of Kawartha Lakes and County of Peterborough

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Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-30

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preferred Route for Reinforcement

Cultural Heritage Resources

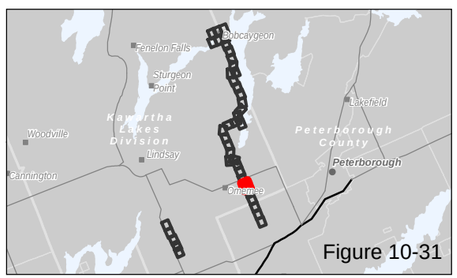
- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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Project Location
City of Kawartha Lakes and County of Peterborough

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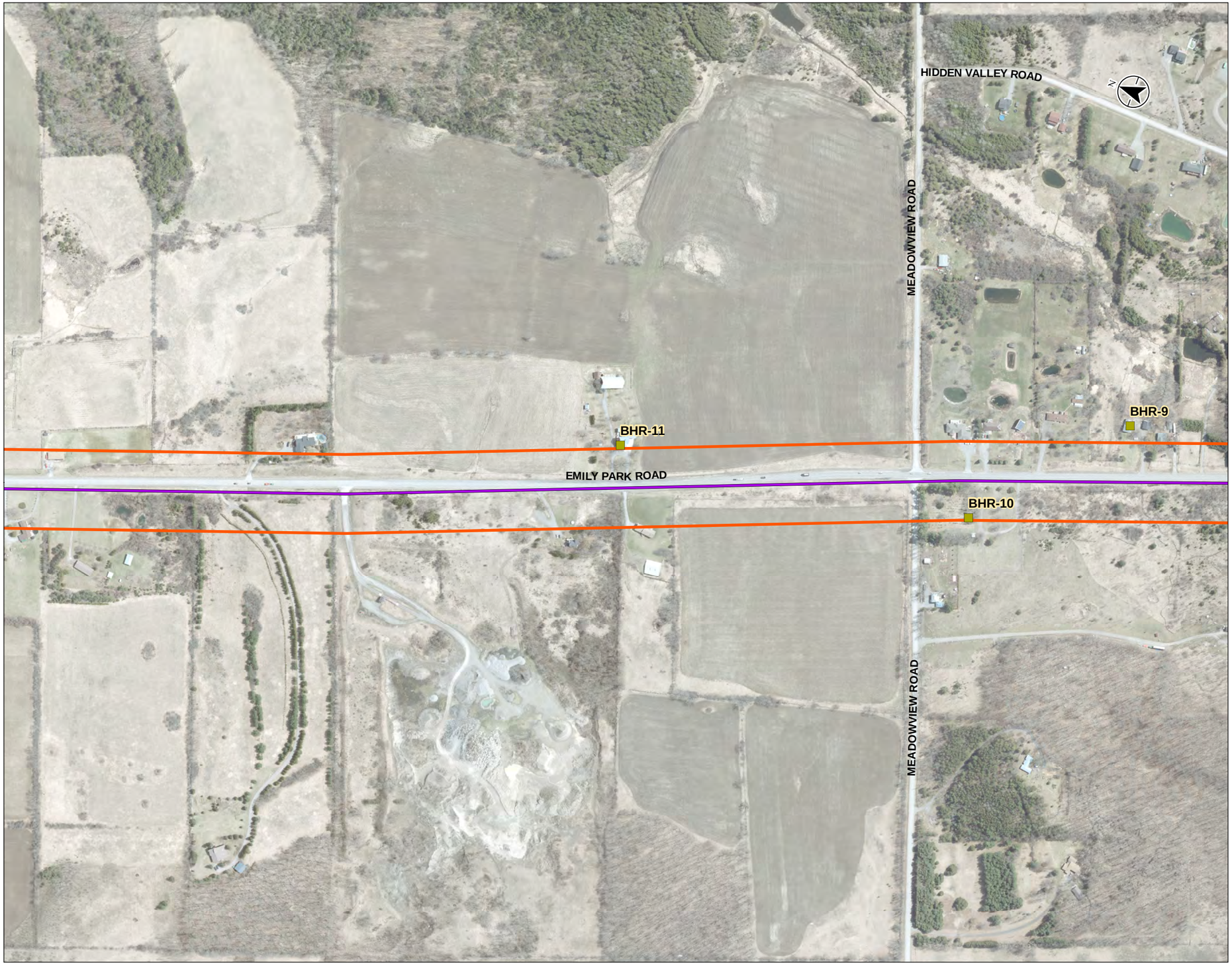
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-31

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preferred Route for Reinforcement

Cultural Heritage Resources

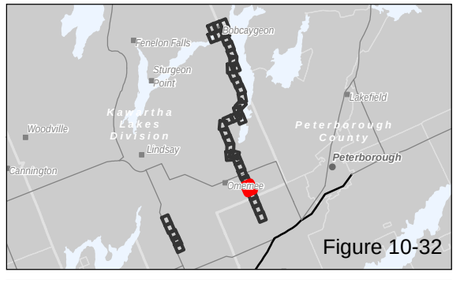
- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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Project Location
City of Kawartha Lakes and County of Peterborough

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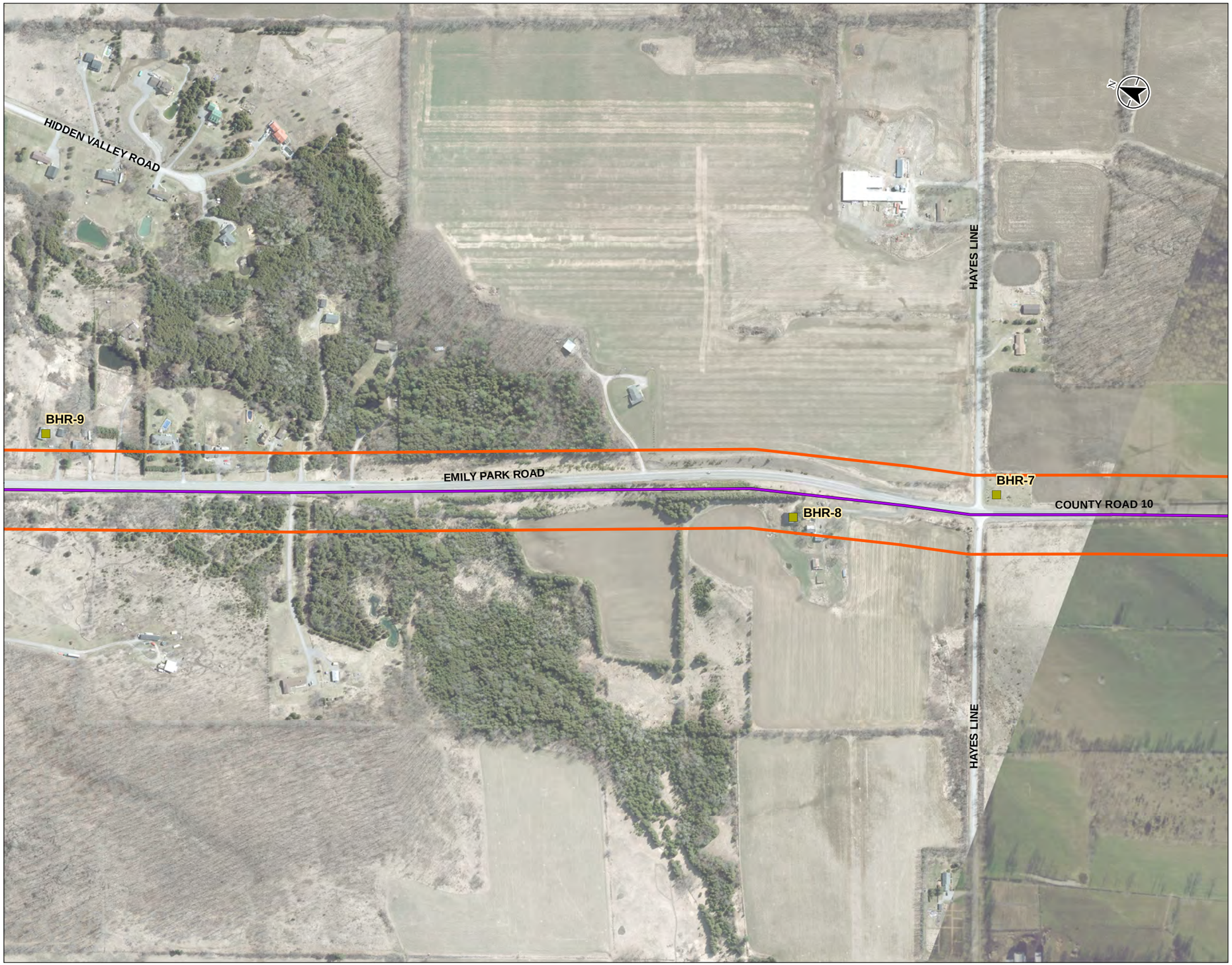
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-32

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preferred Route for Reinforcement

Cultural Heritage Resources

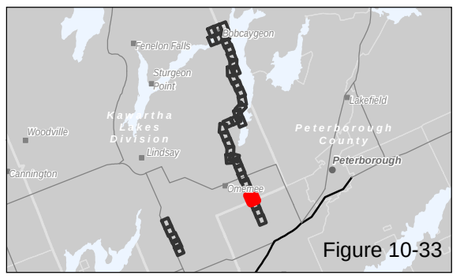
- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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Project Location
City of Kawartha Lakes and County of Peterborough

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Prepared by KB on 2022-04-13
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-33

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preferred Route for Reinforcement

Cultural Heritage Resources

- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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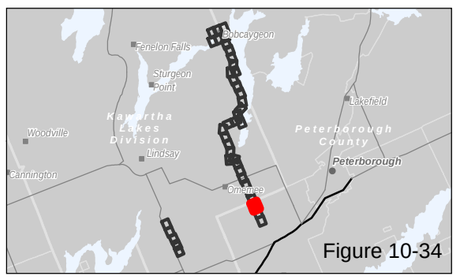


Figure 10-34

Project Location
City of Kawartha Lakes and County of Peterborough

160951170
Prepared by KB on 2022-04-13
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-34

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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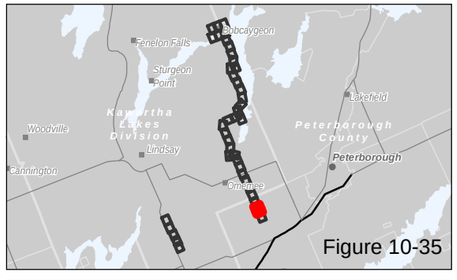


Stantec

Legend
- Cultural Heritage Study Area
- Preferred Route for Reinforcement

0 100 200 m
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Notes
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Project Location
City of Kawartha Lakes and County of Peterborough

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Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-35

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preferred Route for Reinforcement

Cultural Heritage Resources

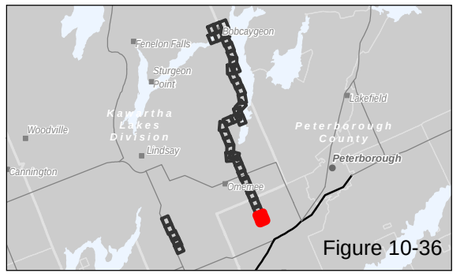
- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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Project Location
City of Kawartha Lakes and County of Peterborough

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Prepared by KB on 2022-04-13
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-36

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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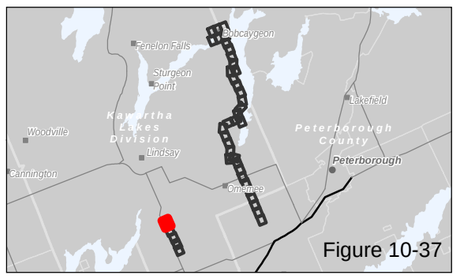


Stantec

Legend
- Cultural Heritage Study Area
- Preferred Route for Reinforcement

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Project Location
City of Kawartha Lakes and County of Peterborough

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Prepared by KB on 2022-04-13
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-37

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preferred Route for Reinforcement

Cultural Heritage Resources

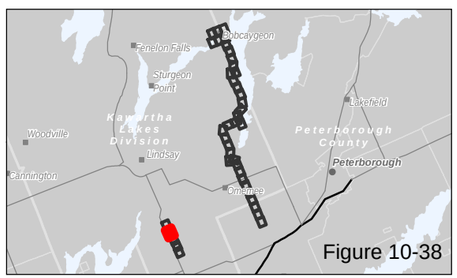
- Supply Lateral/Reinforcement Built Heritage Resource/Cultural Heritage Landscape

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Notes

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Project Location
City of Kawartha Lakes and County of Peterborough

160951170
Prepared by KB on 2022-04-13
Technical Review by SE on 2021-11-05

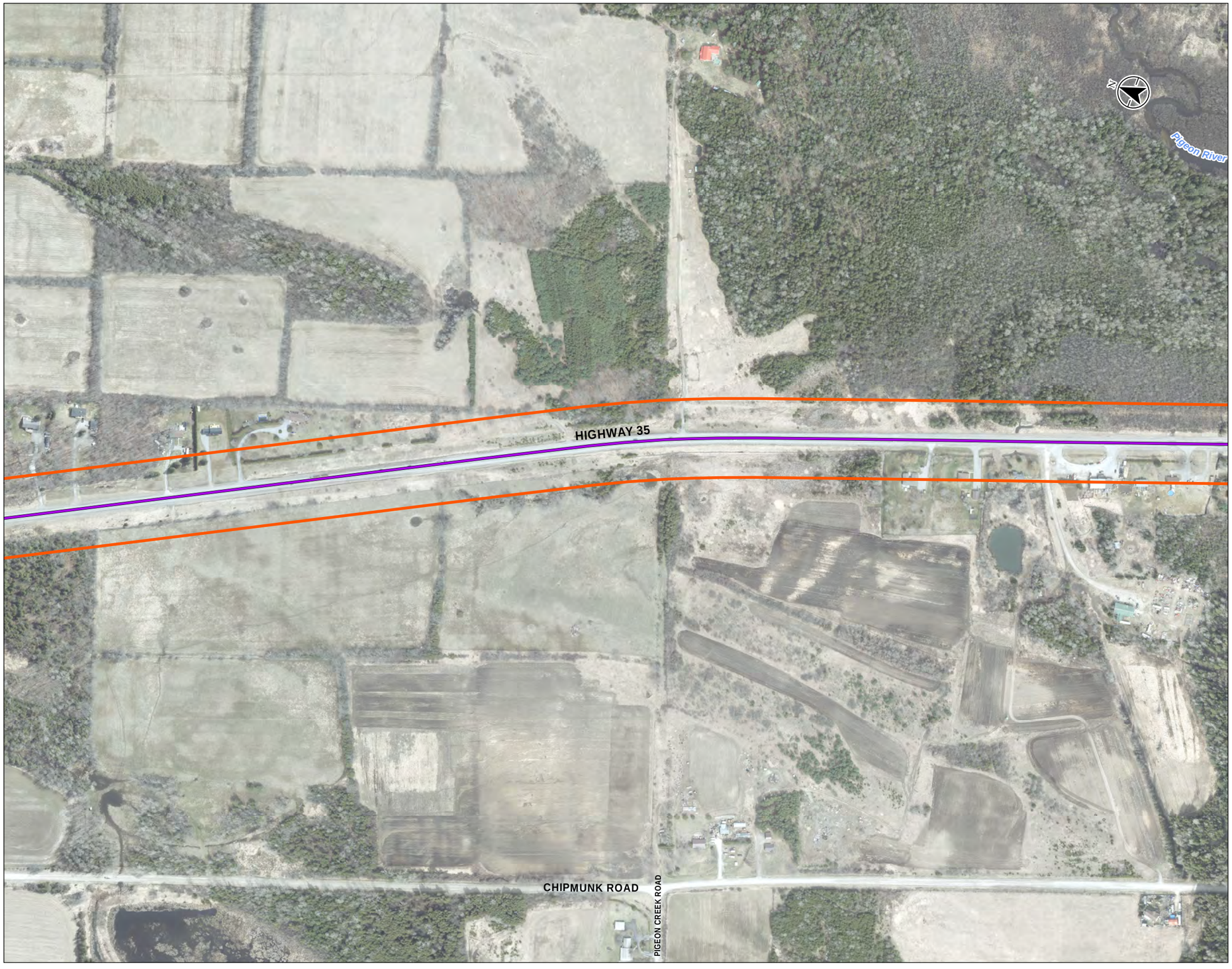
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-38

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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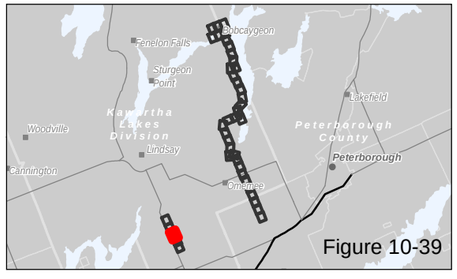


Stantec

Legend
- Cultural Heritage Study Area
- Preferred Route for Reinforcement

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Project Location
City of Kawartha Lakes and County of Peterborough

160951170
Prepared by KB on 2022-04-13
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-39

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preferred Route for Reinforcement

Cultural Heritage Resources

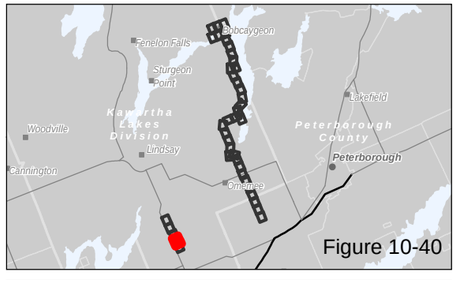
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Project Location
City of Kawartha Lakes and County of Peterborough

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Prepared by KB on 2022-04-13
Technical Review by SE on 2021-11-05

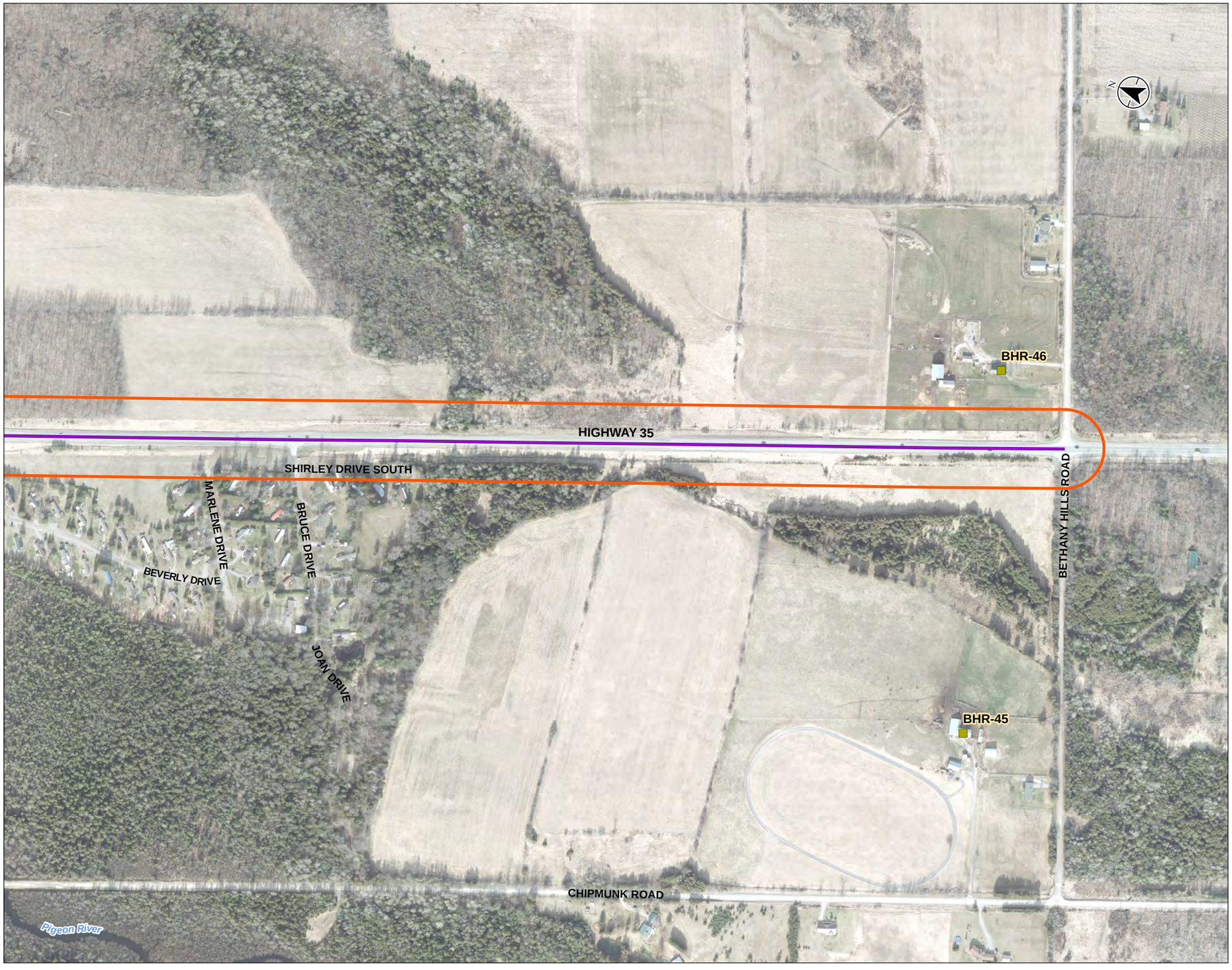
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-40

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Stantec

Legend

- Cultural Heritage Study Area
- Preferred Route for Reinforcement

Cultural Heritage Resources

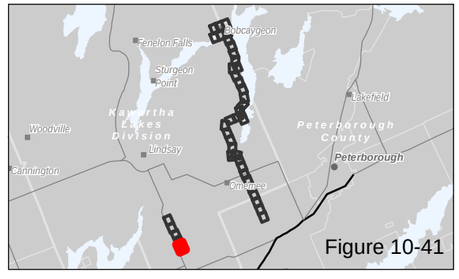
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Project Location
City of Kawartha Lakes and County of Peterborough

160951170
Prepared by KB on 2022-04-13
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON PIPELINE PROJECT—CULTURAL HERITAGE REPORT: EXISTING CONDITIONS AND PRELIMINARY IMPACT ASSESSMENT

Figure No.
10-41

Title
Previously Identified or Potential Built Heritage Resources or Cultural Heritage Landscapes

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Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-1	Farmstead	2111 County Road 10	Listed Heritage Resource (Township of Cavan Monaghan)	This property contains a farmstead with a residence, barn, and outbuildings. The residence is a one and one half storey structure with a side gable roof and gable dormer. The exterior is red brick, and the residence contains a porch and addition. The barn is a bank barn with a gambrel roof, metal roof cladding, and timber exterior. The barn foundation is stone. The outbuildings include two gable roof structures with timber cladding and one modern outbuilding. The residence was likely built between 1840 and 1878 based on historical mapping and architectural style. The barn was likely built between 1880 and 1932 based on architectural style and topographic mapping. The residence has potential design value as a representative Ontario mid-19th to early 20th century Ontario gothic cottage and the barn has potential design value as a representative late 19th to early 20th century gambrel roof bank barn.	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-2	Farmstead	2132 County Road 10	Listed Heritage Resource (Township of Cavan Monaghan)	This property contains a farmstead with a residence, barn, and outbuilding. The residence is a one and one half storey structure with a side gable roof and gable dormer with bargeboard. The exterior is buff brick and modern siding and the residence contains a porch. The barn is a gambrel roof bank barn with metal roof cladding and timber exterior painted red. The barn foundation is obscured. The outbuilding is a gable roof structure with a timber exterior painted red. The residence was likely built between 1840 and 1878 based on historical mapping and architectural style. The barn was likely built between 1880 and 1932 based on architectural style and topographic mapping. The residence has potential design value as a representative mid-19th to late 19th century Ontario gothic cottage and the barn has potential design value as a representative late 19th to early 20th century gambrel roof bank barn.	 

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-3	Residence	2427 Queen Mary Street	Identified during field review	This property contains a residence. The residence is a one and one half storey structure with a front facing gable roof. The exterior of the residence is red brick and the residence contains 2/2 segmental arch windows with red brick voussoirs. The foundation of the residence is stone. The residence was likely built between 1840 and 1878 based on architectural style and historical mapping. The residence has potential design value as a representative mid-19th to late 19th century Ontario vernacular structure and is historically linked to the hamlet of Mt. Pleasant.	
BHR-4	Residence	2454 Queen Mary Street/Mt. Pleasant Road	Listed heritage resource	This property contains a residence. The residence is a one and one half storey structure with a side gable roof clad in metal. The exterior of the residence is red brick and modern siding. The residence contains 9/1 wood frame windows with red brick lintels. The foundation is obscured. The residence was likely built between 1840 and 1878 based on architectural style and historical mapping. The residence has potential design value as a representative mid-19th to late 19th century Ontario vernacular structure and is historically linked to the hamlet of Mt. Pleasant.	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-5	Residence	2460 Queen Mary Street	Identified during field review	This property contains a residence. The residence is a two storey structure with a pyramidal roof. The roof is clad in asphalt shingles. The exterior of the residence is clad in timber siding and contains modern windows and 1/1 wood frame windows. The foundation is poured concrete. The residence was likely built between 1900 and 1932 based on architectural style, materials, and topographic mapping. The residence has potential design value as a representative early 20th century Ontario vernacular structure and is historically linked to the hamlet of Mt. Pleasant.	
BHR-6	Residence	2464 Queen Mary Street	Identified during field review	This property contains a residence. The residence is a two storey structure with a hip roof clad in asphalt shingles. The exterior of the residence is timber, and the windows are on the first story and wood frame 1/1 on the second storey. The residence contains a porch with dentils and a poured concrete foundation. The residence was likely built between 1900 and 1932 based on architectural style, materials, and topographic mapping. The residence has potential design value as a representative early 20th century Ontario vernacular structure and is historically linked to the hamlet of Mt. Pleasant.	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-7	Cemetery	N/A—Southeast corner of Queen Mary Street and Hayes Line	Identified during field review	This property contains a cemetery. The cemetery is known as Shield Cemetery and was founded in 1839. The cemetery contains a mix of marble, limestone, and granite markers dating from the mid-19th century to early 20th century. The markers have iconography associated with death and mourning in 19th and early 20th century North America. The cemetery has potential design value through its representative markers. The cemetery is historically associated with the early settlement of the area.	
BHR-8	Barns	9 Emily Park Road	Identified during field review	This property contains a farmstead with a residence, two barns, and outbuilding. The residence has been heavily modified and is a gable roof structure with modern cladding. The barns are gable roof structures with timber cladding and the outbuilding is a modern gable roof structure. Additional details are obscured by distance from roadway and topography. The barns were likely built between 1840 and 1900 based on style and materials. The barns have potential design value as representative mid-19th century to early 20th century gable roof barns.	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-9	Residence	118 Emily Park Road	Identified during field review	This property contains a residence. The residence is a two storey structure with a hip roof clad in asphalt shingles with a brick chimney. The exterior is buff brick and contains buff brick lintels. The foundation is obscured. The residence was likely built between 1850 and 1900 based on architectural style. The residence has potential design value as a representative mid-19th to late 19th century Ontario vernacular structure.	
BHR-10	Cemetery	133 Emily Park Road	Identified during field review	This property contains the Emily Presbyterian Cemetery, founded in 1852. The cemetery contains mostly a mix of granite and marble markers with iconography associated with death and dying in 19th and 20th century North America. The cemetery is set on a hill and is landscaped with mature Eastern White Pine trees. The cemetery has potential design value through its representative markers. The cemetery is historically associated with the early settlement of the area and the local Presbyterian community.	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-11	Farmstead	182 Emily Park Road	Identified during field review	This property contains a farmstead with a residence and barn. The residence is a two and one half storey structure with an intersecting gable roof. The exterior of the residence is clad in red brick and contains an attached garage. The residence has a porch and modern windows. The barn is a gambrel roof structure with a metal clad roof, timber exterior, and stone foundation. The residence was likely built between 1850 and 1900 based on architectural style and development patterns. The barn was likely built between 1880 and 1910 based on materials and architectural style. The residence contains potential design value as a mid-19th to early 20th century representative Ontario vernacular structure and the barn contains potential design value as a late 19th to early 20th century representative gambrel roof barn.	
BHR-12	Barn	264 Emily Park Road	Identified during field review	This property contains a farmstead with a residence, barn, silo, and outbuilding. The residence is a two storey structure that has been heavily modernized with an addition, modern siding, and modern windows. The barn is a gable roof bank barn with a metal clad roof, metal exterior, and concrete foundation. The silo is a cast-in-place concrete structure, and the outbuilding is a modern Quonset hut structure. The residence was likely built between 1850 and 1900 based on architectural style and settlement patterns. The barn was likely built between 1900 and 1931 based on materials and topographic mapping. The barn	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				has potential design value as a representative early 20th century bank barn.	
BHR-13	Barn	301 Emily Park Road	Identified during field review	This property contains a residence, barn, outbuildings, and silo. The residence is a modern one and one half storey structure with a red brick exterior. The barn contains a gambrel roof clad in metal, metal exterior, and concrete foundation. The outbuildings are gable roof structures and a Quonset hut structure. The silo is a cast-in-place concrete structure. The barn was likely built between 1900 and 1931 based on materials and topographic mapping. The barn has potential design value as a representative early 20th century gambrel roof barn.	
BHR-14	Barn	4246 Highway 7	Identified during field review	This property contains a residence and barn. The residence is a heavily modified one and one half storey structure with modern siding, modern windows, and modern additions. The barn contains a gambrel roof clad in metal with lightning rods. The exterior of the barn is timber and the foundation is rusticated concrete block. The barn was likely built between 1900 and 1930 based on materials and style. The barn has potential design value as a representative early 20th century gambrel roof barn.	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-15	Railway corridor	N/A—Emily Park Road, Road allowance between Lot 12 and Lot 13, Concession 4, Emily Township	Identified during field review	This property contains the former right of way of the Grand Trunk Railway, which was taken over by Canadian National Railways in the early 20th century. The railway line was abandoned in the 1980s and is currently a gravel walking trail. The railway right of way has potential associative value for its role in the development of the area.	
BHR-16	Residence	511 Emily Park Road	Identified during field review	This property contains a residence. The residence is a two and one half storey structure with an intersecting gable roof. The exterior is red brick. Additional details of the residence are obscured by vegetation and distance from roadway. The residence was likely built between 1880 and 1930 based on architectural style. The residence contains potential design value as a representative late 19th to early 20th century Ontario vernacular structure.	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-17	Barn	541 Emily Park Road	Identified during field review	This property contains a residence, barn, and outbuilding. The residence is a one and one half storey structure with side gable roof and gable dormer. The residence is clad in modern siding and has modern windows and an addition. The barn contains a gambrel roof clad in metal, timber exterior, and stone and concrete foundation. The outbuilding is a gable roof structure. The residence was likely built between 1840 and 1880 based on architectural style and settlement patterns. The barn was likely built between 1880 and 1931 based on materials and topographic mapping. The barn has potential design value as a representative late 19th to early 20th century gambrel roof barn.	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-18	Residence and Barn	601 Emily Park Road	Identified during field review	This property contains a residence and barn. The residence is deeply setback on the lot and partially obscured by trees. The residence is a one and one half storey structure with a gambrel roof, red brick exterior, and modern windows. The barn is a gable roof barn with a metal roof and timber exterior. The residence was built likely between 1880 and 1930 based on architectural style and development patterns. The barn was likely built between 1840 and 1900 based on style and materials. The residence has potential design value as a representative Ontario vernacular structure and the barn has potential design value as a representative gable roof barn.	
BHR-19	Schoolhouse	620 Emily Park Road	Identified during field review	This property contains a former schoolhouse built in 1913 and belonged to School Section Number 8. The structure is a one storey building with a hip roof, brick chimney and asphalt shingles. The exterior is red brick with red brick voussoirs and a datestone. The windows are modern and the original entrances have been blocked or modified to accommodate a modern door. The foundation is poured concrete. The schoolhouse has potential design value as a representative early 20th century rural schoolhouse and is historically associated with the educational development of Emily Township in the early 20th century.	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-20	Barn	680 Emily Park Road	Identified during field review	This property contains a residence and barn. The residence is a one and one half storey structure with a side gable roof and three gable dormers on the main (west) elevation. The exterior is red brick and contains modern windows. The barn contains a gambrel roof clad in metal and the exterior is timber. Additional details about the barn are obscured by vegetation. The residence was likely built after 1940 based on architectural style. The barn was built between approximately 1880 and 1930 based on materials and topographic mapping. The barn has potential design value as a representative late 19th to early 20th century gambrel roof barn.	
CHL-1	Park	797 Emily Park Road	Identified during field review	This property contains Emily Provincial Park, opened in 1957 and expanded in 1966. The park contains 299 campsites and abuts the Pigeon River. The campsites are arranged along two wooded oblong shaped axis. The park has potential historical and associative value for its role in contributing to the growth of tourism in the Kawartha Lakes area beginning in the mid-20th century. The park has potential contextual value for its physical and visual link to the Pigeon River.	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-21	Barn	39 Centreline Road	Identified during field review	This property contains a residence, barn, and outbuildings. The residence is a two storey structure with a front facing gable roof. The residence has been heavily modified with modern windows, modern siding, and a rear (west) addition. The barn contains a gambrel roof clad in metal with lightning rods. The barn exterior is timber, and the foundation is poured concrete. The property also contains five gable roof modern outbuildings. The residence was likely built between 1880 and 1931 based on architectural style and topographic mapping. The barn was likely built between approximately 1910 and 1931 based on architectural style and topographic mapping. The barn has potential design value as a representative example of an early 20th century gambrel barn.	
BHR-22	Barn	614 Shamrock Road	Identified during field review	This property contains a modern residence, barn, and outbuildings. The barn contains a gambrel roof clad in metal. The barn exterior is timber, and the barn foundation is concrete block. The outbuildings are modern gable roof structures. The barn was likely built between 1900 and 1931 based on architectural style and topographic mapping. The barn has potential design value as a representative example of an early 20th century gambrel barn.	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-23	Residence	658 St. Luke's Road	Identified during field review	This property contains a residence. The residence is a two storey structure with a hip roof clad in asphalt shingles. The exterior of the residence is painted brick and contains modern windows. The residence has a symmetrical main elevation and contains a transom above the main entrance. The foundation is stone. The residence was likely built between 1840 and 1880 based on architectural style and materials. The residence has potential design value as a mid to late-19th century Ontario vernacular residence with Georgian design influence.	
BHR-24	Farmstead	695 St. Luke's Road	Identified during field review	This property contains a farmstead with a residence, barn, silo, and outbuildings. The residence is a one and one half storey structure with a side gable roof clad in metal with a brick chimney. The residence has been heavily modified, and the exterior is clad in modern siding and contains modern windows. The foundation is poured concrete. The barn is a bank barn and contains a gambrel roof clad in metal with lightening rods. The exterior of the barn is timber, and the foundation is stone. A modern gable addition is attached to the east elevation. The silo is a cast-in-place concrete structure. The outbuilding is a modern gambrel roof structure. The residence was likely built between 1940 and 1960 based on architectural style and topographic mapping. The barn was likely built between 1880 and 1910 based on architectural style and materials. The barn has	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				potential design value as a representative late 19th to early 20th century gambrel barn.	
BHR-25	Residence	123 Cork Road	Identified during field review	This property contains a residence and outbuildings. The residence is a one and one half storey structure with a side gable roof, brick chimney, and metal roof cladding. The residence contains a gable dormer on the main (east) elevation with an arched window and brick voussoir. The exterior of the residence is buff brick. The property also contains gable roof outbuildings. The residence was likely built between 1840 and 1880 based on architectural style and settlement patterns. The residence has potential design value as a representative mid-19th to late 19th century Ontario gothic cottage.	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-26	Barn	N/A—Adjacent to 619 Centreline Road	Identified during field review	This property contains a barn. The barn has a gambrel roof clad in metal. The barn exterior is timber that has been painted red. The barn foundation is concrete, lumber, and mortar. The south elevation of the barn contains a modern gable addition. The barn was likely built between 1880 and 1931 based on architectural style and topographic mapping. The barn has potential design value as a rare example of a barn with a lumber, concrete, and mortar foundation.	
BHR-27	Barn	1623 Pigeon Lake Road	Identified during field review	This property contains a residence, barn, and outbuildings. The residence is a modern one storey structure with a side gable roof. The barn contains a gambrel roof with metal cladding. The barn exterior is timber, and the foundation is stone and concrete. The outbuildings include a modern gable roof structure and a Quonset hut structure. The barn was likely built between 1880 and 1910 based on architectural style. The barn has potential design value as a late 19th to early 20th century representative gambrel barn.	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-28	Barn	1630 Pigeon Lake Road	Identified during field review	This property contains a residence and barn. The residence is a one and one half storey structure with a side gable roof. The residence has been modified with modern siding, modern windows, and an addition. The barn contains a gambrel roof clad in metal. The barn exterior is timber, and the foundation is concrete. The barn was likely built between 1910 to 1931 based on architectural style, materials, and topographic mapping. The barn has potential design value as a representative early 20th century gambrel barn.	
BHR-29	Barn	46 Whispi Shore Road	Identified during field review	This property contains a residence, barn, and outbuildings. The residence is a modern three storey structure. The barn is a gambrel roof barn with metal roof cladding. The barn exterior is timber, and the barn foundation is obscured. The outbuildings are modern. The barn was likely built between 1880 to 1931 based on architectural style and topographic mapping. The barn has potential design value as a late 19th to early 20th century gambrel barn.	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-30	Barn	1825 Pigeon Lake Road	Identified during field review	This property contains a residence and barn. The residence is a one and one half storey structure with an intersecting gable roof. The residence has been modernized with modern windows and modern siding. The barn contains a gambrel roof clad in metal. The barn exterior is timber. Additional details about the barn are obscured by distance from the roadway. The barn was likely built between 1880 to 1931 based on architectural style and topographic mapping. The barn has potential design value as a representative late 19th to early 20th century gambrel barn.	
BHR-31	Farmstead	1884 Pigeon Lake Road	Identified during field review	This property contains a farmstead with a residence and barn. The residence is a two and one half storey structure with a hip roof. The exterior of the residence is rusticated concrete block. The residence has modern windows. The barn contains a gambrel roof clad in metal and a timber exterior. Additional details about the residence and barn are obscured by vegetation. The residence and barn were likely built between 1890 to 1931 based on materials and topographic mapping. The residence has potential design value as a representative late 19th to early 20th century Ontario vernacular structure and the barn has potential design value as a representative late 19th to early 20th century gambrel barn.	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
					
BHR-32	Barn	1915 Pigeon Lake Road	Identified during field review	This property contains a residence and barn. The residence is a one and one half storey structure with a side gable roof and gable dormer. The residence has been modified with new cladding and windows. The barn contains a gambrel roof with metal cladding. The exterior of the barn is timber, and the foundation is concrete. The residence was built likely between 1840 to 1880 based on architectural style. The barn was built approximately 1910 to 1931 based on materials, architectural style, and topographic mapping. The barn has potential design value as a representative early 20th century gambrel barn.	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-33	Barn	2041 Pigeon Lake Road	Identified during field review	This property contains a residence and barn. The residence is a one and one half storey structure with a front facing gable roof. The residence has been modified with modern siding and modern windows. The barn contains a gambrel roof clad in metal with lightening rods. The barn exterior is timber, and the foundation is stone. The residence was likely built between 1880 and 1931 based on architectural style and topographic mapping. The barn was built between approximately between 1880 and 1910 based on materials and architectural style. The barn has potential design value as a representative late 19th to early 20th century gambrel barn.	
BHR-34	Barn	143 Shoreview Road	Identified during field review	This property contains a residence and barn. The residence is a one and one half storey structure with side gable roof and gable dormer on the east elevation. The residence has been modified with modern siding, modern windows, and an attached garage. The barn contains a gambrel roof clad in metal and timber exterior. Additional details about the barn are obscured by distance from roadway and vegetation. The residence and barn were likely built between between 1880 and 1931 based on architectural style and topographic mapping. The barn has potential design value as a representative late 19th to early 20th century gambrel barn.	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

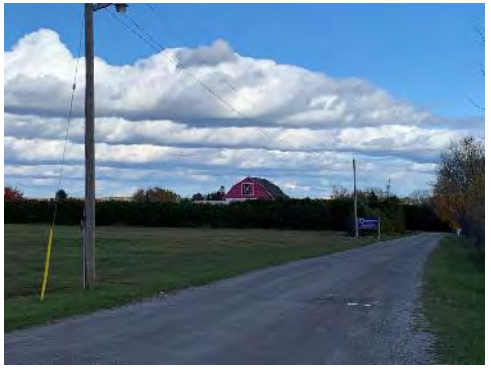
CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-35	Residence*	2298 Pigeon Lake Road	Identified during field review	This property contains a residence. The residence is a one and one half storey structure with a side gable roof and gable dormer. Additional details about the residence are obscured by vegetation and distance from roadway. The residence was likely built between 1840 and 1880 based on architectural style. The residence has potential design value as a representative mid-19th to late 19th century Ontario gothic cottage.	 *Residence photo was not available due to vegetation and distance from roadway. Aerial photography was reviewed to identify residence.
BHR-36	Barn	2300 Pigeon Lake Road	Identified during field review	This property contains a barn. The barn has a gambrel roof clad in metal. The barn exterior is timber painted red. The barn foundation is obscured by distance from roadway and vegetation. The barn was likely built between 1880 and 1931 based on architectural style and topographic mapping. The barn has potential design value as a representative late 19th to early 20th century gambrel barn.	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

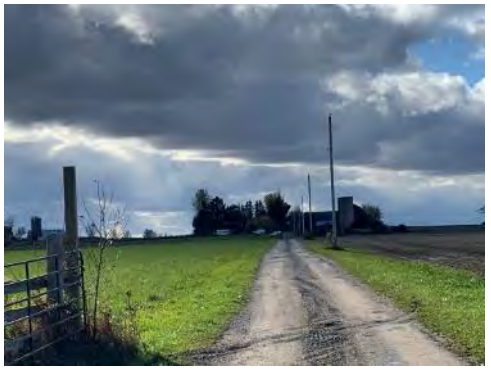
CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-37	Schoolhouse	2432 Pigeon Lake Road	Identified during field review	This property contains a former schoolhouse. The building is a one storey structure with a front facing gable roof. The exterior of the building is red brick. The building contains a gable roof enclosed entrance porch. Additional details about the building are obscured by vegetation and fencing. The schoolhouse was likely built between 1850 and 1881 based on development patterns and historical mapping. The schoolhouse has potential design value as a representative late 19th century rural schoolhouse. The school has potential historical value for its role in the education system of the area.	
BHR-38	Farmstead	2531 Pigeon Lake Road	Identified during field review	This property contains a farmstead with a residence, barn, outbuildings, and silo. The residence is obscured by distance from roadway and vegetation. The barn is a L-shaped structure with a gambrel section and gable section. The barn roofing is metal, and the exterior is timber. The barn foundation is obscured. The silo is a cast-in-place concrete structure. The property contains three outbuildings with gable and gambrel roofs. The residence and barn were likely built between 1840 and 1881 based on architectural style, settlement patterns, and historical mapping. The barn has potential design value as a representative mid-19th to late 19th century L-shaped barn with a gable and gambrel roof.	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-39	Farmstead	2561 Pigeon Lake Road	Identified during field review	This property contains a farmstead with a residence and barn. The residence is a one and one half storey structure with a cross gable roof clad in metal. The residence has a red brick exterior and modern windows. The foundation is stone. The barn is a bank barn with a gambrel roof with metal roof cladding. The barn exterior is timber, and the barn foundation is stone. The barn ramp is earth and rubble. The residence and barn were likely built between 1840 and 1881 based on architectural style, materials, and historical mapping. The residence has potential design value as a mid-19th to late 19th century representative Ontario vernacular structure. The barn has potential design value as a representative mid-19th to late 19th century gambrel bank barn.	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-40	Farmstead	2741 Pigeon Lake Road	Identified during field review	This property contains a farmstead with a residence, barn, and outbuildings. The residence is a two storey structure with a hip roof clad in metal. The exterior of the residence is buff brick. The residence has a symmetrical main (south) elevation with a main entrance with a transom and sidelights. The barn contains a cross gambrel roof with metal roof cladding. The exterior of the barn is timber. The foundation of the barn is obscured. The outbuildings are modern gable roof structures. The residence was likely built between 1840 and 1870 based on settlement patterns and architectural style. The barn was likely built between 1880 and 1931 based on architectural style and topographic mapping. The residence has potential design value as a representative mid-19th to late 19th century Ontario vernacular residence with Georgian design influence. The barn has potential design value as a representative late 19th to early 20th century gambrel roof barn.	 

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-41	Farmstead	3269 County Road 36	Identified during field review	This property contains a farmstead with a residence, barn, and outbuildings. The residence is a two storey structure with a hip roof. The residence has a buff brick exterior. Additional details about the residence are obscured by vegetation. The barn contains a gambrel roof clad in metal. The barn exterior is timber, and the foundation is stone. The barn has a gable roof addition. The outbuildings are gable roof structures. The residence was likely built between 1840 and 1880 based on architectural style. The barn was likely built between 1880 and 1910 based on materials and architectural style. The residence has potential design value as a representative mid-19th to late 19th century Ontario vernacular residence. The barn has potential design value as a representative late 19th to early 20th century gambrel barn.	
BHR-42	Farmstead	3343 County Road 36	Listed heritage resource (City of Kawartha Lakes)	This property contains a farmstead with a residence and barn. The residence is a one and one half storey structure with a side gable roof. The residence exterior is stone. The barn is a bank barn and contains a gambrel roof clad in metal with a cupola. The exterior of the barn is timber and contains a sign that states, “Estate of M.M. Boyd.” The foundation of the barn is stone. The barn ramp is earth and stone. The residence was likely built between 1840 and 1900 based on architectural style and settlement patterns. The barn was likely built between 1880 and 1910 based on architectural style and materials. The residence contains	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				potential design value as a representative mid-19th to late 19th century Ontario vernacular residence. The barn contains potential design value as a representative late 19th to early 20th century gambrel bank barn. The property has potential associative value for its association with Mossom Boyd, an important citizen and entrepreneur in Bobcaygeon and Verulam Township during the mid to late 19th century.	
BHR-43	Farmstead	3362 County Road 36	Listed heritage resource (City of Kawartha Lakes)	This property contains a farmstead with a residence and barn. The residence is a two storey structure with a hip roof, brick chimney, and asphalt shingles. The exterior of the residence is painted brick and contains brackets and dentils below the roofline. The main west elevation contains two bay windows, and the main (south) elevation contains a porch. The foundation of the residence is stone. The barn contains a gambrel roof clad in metal. The barn exterior is timber, and the foundation is stone. The barn contains a small gable roof addition on the south elevation. The property is accessed via a modern metal gate with stone piers. The residence was likely built between 1860 and 1900 based on architectural style and materials. The barn was likely built between 1880 and 1910 based on materials and architectural style. The residence has potential design value as a representative mid-19th to late 19th century Ontario vernacular residence with Italianate	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				design influence. The barn has potential design value as a representative late 19th to early 20th century gambrel barn.	
BHR-44	Memorial	N/A—East end of Kingsway Drive	Identified during field review	A large boulder dedicated to Ted Shea is located in the small roundabout and parkette at the end of Kingsway Drive. The parkette contains plantings, small trees, a lawn, and benches. The parkette has potential associative value for the plaque dedicated to Ted Shea. He was an important member of the community of Bobcaygeon and Victoria County. He served the community as a councillor, reeve, and warden during the mid-20th century.	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
CHL-2	Wall	28 Boyd Street and 45 Canal Street	Designated heritage resource (City of Kawartha Lakes)	This resource is a cultural heritage landscape spanning multiple properties that contains a dry stack wall. The wall was part of the Edgewood Estate built by W.T.C. Boyd. The wall is the only remaining part of Edgewood and was built between 1890 and 1891. The wall has design value as a rare remaining example of a dry stack wall. The wall has associative value for its historical association with Edgewood, the former estate of W.T.C. Boyd. He was a member of the Boyd family, who were instrumental the development of Bobcaygeon during the mid to late 19th century.	
BHR-45	Barn	15 Bethany Hills Road	Identified during field review	The property contains a residence, a modern or heavily modified gambrel roof barn, outbuildings, and a gable barn. The residence is a modern one storey structure with a side gable roof and brick cladding. The gabled barn has a gable roof with metal cladding. The barn exterior is timber and the foundation is obscured. This barn was likely built between 1840 and 1878 based on architectural style and historical mapping. The barn has potential design value as a representative mid-19th to late 19th century gable roof barn.	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
BHR-46	Farmstead	69 Bethany Hills Road	Identified during field review	This property contains a farmstead with a residence, barn, and outbuildings. The residence is a one and one half storey structure with a side gable roof, gable dormer with finial, and a red brick exterior with buff brick quoins and banding. The barn contains a gable roof clad in metal and a timber exterior. The foundation of the barn is obscured. The outbuildings are modern. The residence and barn were likely built between 1840 and 1878 based on architectural style and historical mapping. The residence has potential design value as a representative mid-19th to late 19th century Ontario gothic cottage and the barn has potential design value as a representative mid-19th to late 19th century gable roof barn.	
BHR-47	Farmstead	639 Fleetwood Road	Identified during field review	This property contains a farmstead with a residence, barn, outbuildings, and silo. The residence is a one and one half storey structure with a side gable roof and gable dormer. The exterior is red brick and contains segmental arch 1/1 windows. The foundation is parged concrete. The barn is a gable roof structure with a metal clad roof and timber exterior. The barn foundation is obscured. The property contains two cast-in-place concrete silos and a modern gable roof outbuilding. The residence and barn were likely built between 1840 and 1878 based on architectural style and historical mapping. The residence has potential design value as a representative mid-19th to late 19th century Ontario gothic cottage and the barn has	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				potential design value as a mid-19th to late 19th century representative gable roof barn.	
BHR-48	Farmstead	647 Golf Course Road	Identified during field review	This property contains a farmstead with a residence and barn. The residence is a one and one half storey structure with a side gable roof, gable dormer, and is clad in modern siding. The windows are modern and the foundation is parged concrete. The barn is a gambrel roof structure with a timber exterior. Additional details are obscured by vegetation and distance from roadway. The residence and barn were likely built between 1840 and 1878 based on architectural style and historical mapping. The residence has potential design value as a representative mid-19th to late19th century Ontario gothic cottage and the barn has potential design value as a representative mid-19th to late19th century gambrel roof barn.	
BHR-49	Cemetery	629 Golf Course Road	Identified during field review	This property contains a cemetery dating to 1862. The cemetery contains a mix of granite, marble, and limestone markers with iconography evoking 19th and early 20th century associated with death and mourning. Sometime in the early to mid-20th century the markers were moved onto a cement pad. The cemetery has potential design value for its representative markers and later reconfiguration on a cement pad. The rearrangement of cemeteries on cement pads or cairns was a popular early to mid-20th century preservation technique for cemeteries. The cemetery is historically associated with the early settlers of Manvers	

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				Township. According to historical mapping, a church was formerly located near the cemetery.	
BHR-50	Residence	621 Golf Course Road	Identified during field review	This property contains a residence and outbuildings. The residence is a two storey structure with a hip roof clad in metal. The exterior is buff brick and contains modern windows. The residence has a porch. The property also contains a board and batten clad garage and a gable roof outbuilding. The residence was likely built between 1840 and 1878 based on architectural style and historical mapping. The residence has potential design value as a representative mid-19th to late 19th century Ontario vernacular residence.	
BHR-51	Farmstead	624 Golf Course Road	Identified during field review	This property contains a farmstead consisting of a residence, gambrel roof barn, silos, outbuildings, and pasture surrounded partially by split rail timber fencing. The residence is a two and one half storey structure with a hip roof clad in metal and contains a gable dormer on the east and north elevations. The residence has a buff brick exterior and a porch. The barn contains a gambrel roof clad in metal, a timber exterior, and concrete block foundation. A gable roof addition is attached to the east elevation of the barn. The silo is a cast-in-place concrete structure. The property also contains gambrel roof and gable roof outbuildings. The pasture is partially enclosed by split rail timber fencing and wire fencing. The residence was likely built between 1840 and 1878 based on architectural style and historical mapping. The barn was	 Note: Photo is looking south at barn and residence

Table 3: Identified Built Heritage Resources and Cultural Heritage Landscapes Reinforcement/Supply Lateral Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				likely built between 1900 and 1930 based on materials and architectural style. The residence has potential design value as a representative mid-19th to late19th century Ontario vernacular structure and the barn has potential deign value as a representative early 20th century gambrel barn.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-1	Residence	117 William Street	Identified during field review	This property contains a residence. The residence is a two storey structure with a side gable roof, three gable dormers on the front façade. The structure has a stone exterior. The structure has modern windows with pointed arch window openings on the upper storey. The residence has a one storey portion with a covered porch attached to the northwest façade. The structure was likely built between circa 1830 and 1881 based on the architectural style and historical mapping. The residence has potential design value as a representative mid-19th to late 19th century Ontario vernacular residence.	
DBHR-2	Civic	47 Mansfield Street	Identified during field review	The property contains the Bobcaygeon-Verulam Community Centre which was built in 1954 and the Bobcaygeon Agricultural Park. This property has potential associative value due to its use as a community gathering place for the residents of Bobcaygeon and its association with the Bobcaygeon Fall Fair which began in 1858 (Bobcaygeon Fall Fair n.d.). Though the fair was initially held around the market square, the original portion of the current grounds was purchased from Mossom Boyd in 1901 and attendees travelled by train, automobile, and boat to visit the fair (Bobcaygeon Fall Fair n.d.). More recent uses of the fair grounds include the addition of the Bobcaygeon Trailer Park which	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				continues the property's connection to the local tourism industry.	
DBHR-3	Residence	79 Sherwood Street	Identified during field review	The property contains a residence and outbuildings. The residence is a two storey structure with a cross hipped roof. The structure is clad in red brick with original windows in segmental arch openings with red brick voussoirs. The residence has a porch with turned wood supports at the corner of the structure over the main entrance. The foundation is stone. The structure also has a one storey addition at the rear and the property has a detached garage, both clad in board and batten siding. The structure was likely built between circa 1850 and 1881 based on the architectural style and historical mapping. The residence has potential design value as a representative mid to late 19th century Ontario vernacular residence.	
DBHR-4	Residence	64 Sherwood Street	Identified during field review	The property contains a residence. The residence is a two and one half storey structure with a hip roof and a shed roof dormer on the north façade. The structure is clad in red brick with sympathetic replacement windows and doors. The windows and doors are set in segmental arch openings with brick voussoirs. The residence has a porch and a stone foundation as well as a small, one storey shed roof addition clad in modern siding at the rear. The residence was likely built between circa 1850 and 1881 based on the	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				architectural style and historical mapping. The residence has potential design value as a representative mid to late 19th century Ontario vernacular residence.	
DBHR-5	Residence	72 Sherwood Street	Identified during field review	The property contains a residence. The residence is a two storey structure with a hip roof. The structure is clad in red brick and has modern windows and doors. The windows and doors are set in segmental arch openings with red brick voussoirs. The structure has a porch that wraps around the west and south façades. The residence also has a one-and-one-half storey and one storey addition clad in wood siding at the rear. The residence was likely built between circa 1850 and 1881 based on the architectural style and historical mapping. The residence has potential design value as a representative mid to late 19th century Ontario vernacular residence.	
DBHR-6	Residence	64 King Street West	Identified during field review	The property contains a residence. The residence is a two storey structure with a side gable roof with a one storey shed roof portion at the rear of the structure. The structure is clad in wood siding with modern windows and a wooden door. The residence has a porch with decorative wood corner brackets on the north façade. The residence was likely built between circa 1850 and 1881 based on the architectural style, historical mapping, and settlement patterns. The residence has potential design value as a representative	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				mid to late 19th century Ontario vernacular residence.	
DBHR-7	Residence	54 King Street West	Identified during field review	The property contains a residence. The residence is a two storey structure with a cross gable roof. The structure is clad in buff brick with modern sympathetic replacement windows. The windows and door are set in segmental arch openings with buff brick voussoirs. The residence has a porch on part of the north façade and wrapped around to the east façade. The foundation is cut stone. The structure was likely built between circa 1850 and 1881 based on the architectural style, historical mapping, and settlement patterns. The residence has potential design value as a representative mid to late 19th century Ontario vernacular residence.	
DBHR-8	Residence	8 King Street West	Identified during field review	The property contains a residence and an outbuilding. The residence is a two storey structure with a cross gable roof. The residence is clad in red brick and contains modern windows with a wooden door. The windows are set in segmental arch openings with red brick voussoirs. The residence has a porch that wraps around two of the façades on the front facing gable. The property also contains a detached gable roof garage clad in modern siding. The residence was likely built between 1870 and 1900 based on the architectural style, historical mapping, and settlement patterns. The property has potential design	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				value as a representative late 19th century Ontario vernacular residence.	
DBHR-9	Commercial (formerly residential)	3 King Street East	Identified during field review	The property contains a residence converted into a commercial space. The residence is a two storey structure with a hip roof. The residence is clad in buff brick with modern windows and buff brick voussoirs on the second storey. There is also a one storey portion of the structure with a hip roof attached to the west façade. The foundation has been parged with concrete. The structure was likely built between 1900 and 1930 based on the architectural style and fire insurance plans. The structure has potential design value as a representative early 20th century Ontario vernacular residence.	
DBHR-10	Residence	11 King Street East	Identified during field review	The property contains a residence. The residence is a two storey structure with a hip roof. The residence is clad in red brick and contains modern windows. The residence has a small porch with a triangular pediment above it. The structure was likely built between 1900 and 1930 based on the architectural style and fire insurance plans. The residence has potential design value as an early 20th century Ontario vernacular residence.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-11	Civic	49 King Street East	Listed heritage resource (City of Kawartha Lakes)	The property contains a schoolhouse. The schoolhouse is a two storey structure with a cross gable roof. The exterior of the structure is clad in red brick with buff brick accents including dentils along the roof line, voussoirs, drip moulding, columns at the structure's corners, a narrow span between the first and second stories and a wide span directly above the stone foundation. The windows and doors are sympathetic modern replacements and are set in openings that are a mixture of arches including, segmental, rectangular and circular arches. The building was built in 1873 and expanded in 1889. The building has potential design value as a late 19th century Ontario vernacular civic structure with Italianate and Romanesque Revival design influences.	
DBHR-12	Commercial (formerly residence)	30 King Street East	Identified during field review	The property contains a residence converted into a commercial space. The residence is a one and one half storey structure with a shed roof dormer on the south façade. The exterior is clad in stone and contains modern windows. The structure also has a one storey addition at the rear that is clad in modern siding. The structure was like built between 1900 and 1930 based on the architectural style and fire insurance plans. The residence has potential design value as a representative early 20th century colonial revival residence.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-13	Civic	90 Bolton Street	Listed heritage resource (Kawartha Lakes)	The property contains a large structure which has been the location of the Verulam Lodge No. 268 since approximately 1893. The structure is a two and one half storey building with a cross gable roof and multiple gable dormers on the building's various facades. There is also a one-and-one-half storey portion with a gable roof at the rear of the structure. The exterior is constructed with limestone and contains a mixture of original wood frame and replacement windows. With the exception of arched openings in the gable dormers on the west façade the window openings are rectangular and all the opening have stone voussoirs. The structure was built in 1871 according to the Heritage Register and originally housed a dry goods store and the Orr Commercial Temperance Hotel (Kawartha Lakes n.d.). The structure has potential design value as the largest limestone building in Bobcaygeon, constructed with limestone quarried from the Big Bob River, and as a unique example of a stone commercial building in Kawartha Lakes, including the three gables on the Bolton Street façade which are an unusual feature in commercial architecture. The structure also has potential historical value in its association with Bobcaygeon's Scottish immigrant community, the temperance movement, and free masonry.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-14	Religious	25 King Street West	Identified during field review	The property contains a church. The church is a one storey structure with a steeply pitched gable roof. The exterior is clad in buff brick. The windows are stained glass in pointed arch window openings. The structure also has a one storey, flat roof, concrete block addition at the rear. According to the date plaque in the structure's front gable, it was built as the Regular Baptist Church in 1870. The structure has potential design value as a representative late 19th century Ontario vernacular religious structure.	
DBHR-15	Residence	53 King Street West	Identified during field review	The property contains a residence. The residence is a one and one half storey structure with a cross gable roof. The southern (front) façade has a central gable dormer with a finial and bargeboard. The exterior is red brick and contains wood frame windows. The window openings are a mixture of rectangles and segmental arches with one arched window in the central gable. Several of the windows have buff brick drip moulding. The structure also has buff brick quoins and a buff brick span near the foundation. The southern entrance is framed with a set of pilasters and has a transom window above it. There is also a one storey addition at the rear of the structure. The residence was likely built between circa 1850 and 1880 based on the architectural style, historical mapping, and settlement patterns. The residence has	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				potential design value as a representative 19th century gothic revival residence.	
DBHR-16	Residence	23 Mansfield Street	Identified during field review	The property contains a residence. The residence is a two storey structure with a hip roof. The exterior is red brick and contains modern windows. The window openings are segmental arches with red brick voussoirs. The east (front) entrance has a side light and transom. The residence has a porch. The residence was likely built between 1870 and 1900 based on the architectural style and historic mapping. The residence has potential design value as a representative late 19th century Ontario vernacular residence.	
DBHR-17	Residence	19 Mansfield Street	Identified during field review	The property contains a residence. The residence is a one and one half storey structure with a clipped gable roof. The exterior is red brick with modern siding in the gable and modern windows. Some of the windows have red brick voussoirs. The residence has a covered porch on the east (front) façade. The foundation is clad in stone. The residence was likely built between 1900 and 1930 based on the architectural style. The residence has potential design value as a representative early 20th century Ontario vernacular residence.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-18	Residence	12 Mansfield Street	Identified during field review	The property contains a residence and a small outbuilding. The residence is a one and one half storey structure with a side gable roof and a shed roof dormer on the west (front) façade. The exterior is clad in stone and there are wood frame windows. The window openings are segmental arches with stone voussoirs. There is an enclosed porch with a shed roof on the front façade. The property also has a small gable roof outbuilding. The residence was likely built between 1870 and 1900 based on the architectural style, historical mapping, and settlement patterns. The residence has potential design value as a representative late 19th century Ontario vernacular residence.	
DBHR-19	Religious	43 Sherwood Street	Listed heritage property (City of Kawartha Lakes)	The property contains a church. The church is a one storey structure with a steep multi-gable roof. The exterior is clad in board and batten siding with buttresses and pointed arch window openings. There is also a steeple on the central portion of the structure. Most of the structure has a stone foundation, with an addition in the centre that has a concrete block foundation. The church was built between 1870 and 1871 by Peterborough architect John Belcher. The church has potential design value as a representative late 19th century Ontario vernacular structure with gothic revival design influences. The structure also has	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				potential associative value connected to the architect John Belcher.	
DBHR-20	Residence	45 Sherwood Street	Identified during field review	The property contains a residence. The residence is a two storey structure with a hip roof and projecting front gable. The exterior is clad in stone on the first storey and stucco on the upper storey and contains modern windows. The residence has a porch. The residence was likely built between circa 1850 and 1881 based on the architectural style and historic mapping. The residence has potential design value as a representative early 20th century Ontario vernacular residence.	
DBHR-21	Commercial	65 Bolton Street	Identified during field review	The property contains a commercial building. The commercial building is a two storey structure with a flat roof. The exterior is clad in board and batten siding on the first storey and red brick on the second storey and the structure contains modern windows. The upper storey has decorative brick work, a stone band, and stone voussoirs. The foundation is stone. Based on the date stone in the centre of the upper storey, the building was built in 1909. The structure has potential design value as a representative early 20th century Ontario vernacular commercial building.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-22	Commercial	45 Bolton Street	Identified during field review	The property contains a commercial building. The building is a two storey structure with a flat roof. The exterior is clad in timber siding and contains modern windows. The building has decorative a cornice with dentils along the roof line and between the first and second stories. The first storey shop front has a recessed entrance with a transom window above the door. The building was likely built between 1890 and 1930 based on the architectural style and fire insurance plans. The building has potential design value as a representative late 19th to early 20th century Ontario vernacular commercial building.	
DBHR-23	Commercial	43 Bolton Street	Identified during field review	The property contains a commercial building. The building is a one storey structure with a high flat roof. The exterior is clad in timber siding and contains modern windows. The building has decorative cornice with dentils along the roof line and above the shop windows. The first storey shop front has two recessed entrances, one of which has a transom window above the door. The building was likely built between 1890 and 1930 based on the architectural style and fire insurance plans. The building has potential design value as a representative late 19th to early 20th century Ontario vernacular commercial building.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-24	Commercial	39 Bolton Street	Identified during field review	The property contains a commercial building. The building is a two storey structure with a flat roof. The exterior is clad in timber siding and contains modern windows. The building has decorative cornice with dentils along the roof line and between the first and second stories. The first storey shop front has two recessed entrances, one of which has a transom window above the door. The building was likely built between 1890 and 1930 based on the architectural style and fire insurance plans. The building has potential design value as a representative late 19th to early 20th century Ontario vernacular commercial building.	
DBHR-25	Commercial	35 Bolton Street	Listed heritage property (City of Kawartha Lakes)	The property contains a commercial building. The commercial building is a two storey structure with a flat roof. The exterior is clad in stone and contains modern windows. The window openings on the ground floor are arches with drip moulding and the openings on the upper storey are rectangular. The commercial building was built circa 1913 for the Bank of British North America (Kawartha Lakes n.d.). The commercial building has potential design value as a representative early 20th century Ontario vernacular commercial building. The commercial building also has potential historical or associative value from its association with the Bank of British North America and through its architect, William	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				Alexander Langton. Mr. Langton was a prominent Toronto architect from the late 19th to early 20th centuries and was one of the founders of the Ontario Association of Architects (Kawartha Lakes n.d.).	
DBHR-26	Commercial (formerly residence)	58-62 Bolton Street	Identified during field review	The property contains a residence converted into a commercial building. The building is a two storey structure with a pyramidal roof and a projecting gable. The projecting gable has wood shingles and a semi-circular window in the peak. The exterior of the structure is clad in stone and contains modern windows. The residence has a two storey porch. The residence was likely built between 1900 and 1930 based on the architectural style and fire insurance plans. The residence has potential design value as a representative early 20th century Ontario vernacular residence.	
DCHL-1	Civic	15-34 Bolton Street, Lock 32 – Bobcaygeon, Trent-Severn Waterway National Historic Site	National Historic Site	The property contains Lock 32 on the Trent-Severn Waterway. The waterway is a 386 km historic navigation system that connects Lake Ontario to Georgian Bay. Lock 32 was the first lock built on the Trent-Severn Waterway in 1832-1833 (Parks Canada 2022). The lock was rebuilt between 1854 and 1858 with support from Mossom Boyd and again between 1919 and 1929 when it was moved just west of its original location (Parks Canada 2022). The island created by the canal can be accessed by a metal truss swing bridge and Lock 32 has been and remains a popular	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				tourist destination (Parks Canada 2022). The Trent-Severn Waterway has historical value in its completeness as a historical transportation route that was developed by the Government of Canada and in the cultural landscapes, engineering structures, water power, and recreational uses associated with the waterway (Parks Canada n.d.).	
DBHR-27	Residence	35 William Street	Identified during field review	The property contains a residence. The residence is a two storey structure with a hip roof and decorative wood brackets. The exterior is clad in red brick and contains a mixture of wood frame and modern windows. The first storey contains two bay windows on the east (front) façade connected by a small roof with bargeboard and one bay window on the north facade. The window openings on the second storey are segmental arches with buff brick voussoirs. The exterior is also embellished with buff brick quoins, a single row of buff bricks between the upper and lower stories and a triple span of buff bricks above the stone foundation. There is also a one-and-one-half storey section clad in board and batten siding at the rear of the residence. A plaque hanging on the house indicates that it was built circa 1866, which is consistent with the architectural style and fire insurance plans. The residence has potential design value as a representative mid-19th century Ontario vernacular residence with Italianate design influences.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-28	Residence	19 William Street	Identified during field review	The property contains a residence. The residence is a two storey structure with a hip roof and projecting gables on the east and south facades. The exterior is clad in red brick and contains modern windows. The windows and door are set in segmental arch openings with red brick voussoirs. The residence has a porch and a stone foundation. The residence was likely built between 1890 and 1910 based on the architectural style and fire insurance plans. The residence has potential design value as a representative late 19th to early 20th century Ontario vernacular residence.	
DBHR-29	Religious	44 William Street	Identified during field review	The property contains a church. The church is a one storey structure with a high front gable roof. The exterior is clad in red brick and contains stained glass pointed arch windows. The structure has buff brick accents along the roofline, the corners of the building, in vertical bands between the windows on the side façades, as drip moulding above the windows, and along the foundation. The door in the west entrance is modern but retains a decorative window in the pointed portion of the arch. The church also has a cupola, though the bells have been replaced. The brick on the north and south facades does not match the brick on the west (front) façade and there is a 1-2 storey addition clad in modern buff brick to the rear and south of the church. According to the date stone, the	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				structure was built in 1879. The church has potential design value as a representative late 19th century religious building with gothic revival influences.	
DBHR-30	Residence	4 Need Street	Identified during field review	The property contains a residence with a detached garage. The residence is a one and one half storey structure with a side gable roof and gable dormer with a finial and bargeboard on the north (front) façade. The exterior is clad in modern siding and the windows are obscured by trees and vegetation. The residence has a porch with decorative wooden trim. The residence has a one-and-one-half storey addition with a front gable roof attached to the west façade. The exterior is clad in stone. The property also contains a one-and-one-half storey garage with a side gable roof and a gable dormer on the front façade with a final and bargeboard that matches the house and board and batten siding in the gable peak. The exterior is clad in modern siding and the foundation is concrete block. The garage also has one storey additions attached to both the east and west facades. The gothic portion of the residence was likely built between 1850 and 1880 and the stone addition was likely built between 1900 and 1930 based on the architectural styles, historical mapping, and settlement patterns. The residence has potential design value as a representative mid-19th to early 20th century Ontario vernacular	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				residence with gothic revival design influences.	
DBHR-31	Religious	18 Need Street	Identified during field review	The property contains a church. The church is a one storey structure with a high front gabled roof clad in metal. The exterior is clad in red brick with stained glass pointed arch windows. The are buff brick drip mouldings above the windows and in pillars at the corners of the structure. The structure has a wooden door with decorative windows in the pointed portion of the arch. The church also has a one storey gable roof addition clad in red brick with a metal roof at the rear of the structure. The church was likely built between circa 1850 and 1881 based on the architectural style, historical mapping, and settlement patterns. The church has potential design value as a representative 19th century Ontario vernacular religious structure with gothic revival design influences.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-32	Residence	32 Need Street	Identified during field review	The property contains a residence and an outbuilding. The residence is a one and one half storey structure with a multi-gable roof and a gable dormer on the west(front) façade. The gables have wood shingles in the peak. The exterior is clad in red brick and contains sympathetic replacement windows. The windows are set in segmental arch openings with red brick voussoirs. The residence has a porch and a stone foundation. The property also contains a detached garage with cross gabled roof and clad in wood shingles. The residence was likely built between 1900 and 1930 based on the architectural style. The residence has potential design value as a representative early 20th century Ontario vernacular residence with arts and crafts design influences.	
DBHR-33	Civic	21 Canal Street East	Designated Part IV, By-law 1997-06	The property contains the former office of the Mossom Boyd Lumber Company which currently houses the Boyd Heritage Museum. The building is a one storey structure with a hip roof. The exterior is clad in timber siding. The foundation is stone. The interior of the building retains much of the original woodwork and doors. The property has a low stone wall along the north, east, and south sides of the property and a stone arch marking the entrance. There is a taller dry stack wall along the property's western side. The building was built in 1888 and was likely design by	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				Peterborough architect John Belcher (Kawartha Lakes n.d.). The building has design value as a rare example of a stacked plank construction, an unusual construction method, but one commonly used in lumbering towns during the mid-19th century (Kawartha Lakes n.d.). the building has historical or associative value through its connections to the Mossom Boyd Lumber company and the architect John Belcher (Kawartha Lakes n.d.).	
DBHR-34	Residence	44 Front Street East	Identified during field review	The property contains a residence. The residence is a two storey structure with a hip roof and a projecting gable on the south (front) façade. The projecting gable has an arched window on the second storey and a rectangular window on the first storey, both of which have a stained-glass transom, as well as a pentagonal window in the gable's peak. The residence has a two storey, octagonal balcony on either side of the front gable. The exterior is clad in brick with wooden shingles and fish scale embellishments on the balconies. The residence has modern windows. The residence was likely built between 1880 and 1910 based on the architectural style and historical mapping. The residence has potential design value as a representative late 19th to early 20th century Ontario vernacular residence with Queen Anne design influences.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-35	Residence	20 Front Street East	Identified during field review	The property contains a residence. The residence is a two storey structure with a pyramidal roof, decorative brackets, and a gable dormer in the centre on the south (front) façade. The residence has two storey window bays on either side of a porch with a balcony on the second storey. The exterior is clad in red brick and contains modern windows. The windows are set in segmental arch openings on the second storey and rectangular openings on the first storey, with the exception of the central bay which has segmental arch door and window openings with transoms on the first storey and arched windows with buff brick drip moulding on the second storey. The residence has buff brick voussoirs and quoins. The porch has decorative trim and a stone ledge. The foundation is stone. The property also has a low stone fence across the front of the house. The residence was likely built between 1850 and 1890 based on the architectural style and fire insurance plans. The residence has potential design value as a representative late 19th century Italianate residence.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-36	Residential	4 Front Street East	Identified during field review	The property contains an apartment building. The apartment building is a three storey structure with a flat roof and a triangular pediment in the centre. The exterior is clad in red brick and contains modern windows. The windows are set in segmental arch openings with bred brick voussoirs. The front entrance on the west façade is set back through an arch and there is a transom above the door. The apartment building has a stone foundation. The building was likely built between 1900 and 1930 based on the architectural style and fire insurance plans. The apartment building has potential design value as an early 20th century Ontario vernacular residential building.	
DBHR-37	Residence	9 Front Street West	Identified during field review	The property contains a residence. The residence is a one and one half storey structure with a clipped cross gable roof. The exterior is clad in red brick with wood frame windows. The windows are set in segmental arch openings with red brick voussoirs. The residence has an enclosed front porch with a balcony on top. There is a one storey addition with a side gable roof, modern windows and clad in modern siding attached to the southwest façade. The residence was likely built between 1900 and 1930 based on the architectural style and fire insurance plans. The residence has potential design value as a representative	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				early 20th century Ontario vernacular residence.	
DBHR-38	Residence	119 Front Street West	Identified during field review	The property contains a residence. The residence is a one and one half storey A-frame structure. The exterior is clad in timber siding and contains large windows in both the first and upper storey ad well as outdoor seating areas with railings on both levels. The residence was likely built between circa 1950 and 1970 based on the architectural style and historic mapping. The residence has potential design value as a representative mid to late 20th century vacation home with an A-frame construction.	
DBHR-39	Commercial	39 Main Street	Identified during field review	The property contains a commercial building. The commercial building is a two storey structure with a front gable roof. The exterior is clad in red brick and contains modern windows. The second storey windows are set in segmental arch openings and have red brick voussoirs. The historic decorative wooden surround for the main entrance and shop windows is still present but has been painted black and the glass panes may be replacements. The building has two rows of decorative brick work below the roofline. The foundation is stone. The building was likely built between 1900 and 1930 based on the architectural style. The building has potential design value as a representative early 20th century Ontario vernacular commercial structure.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-40	Civic	55 Main Street	Identified during field review	The property contains the former Bobcaygeon Town Hall, which is currently used as a community centre. The building is a two storey structure with a steeply pitched front gable roof that is clad in metal. The exterior is clad in red brick and contains sympathetic replacement windows. The windows are set in segmental arch openings with decorative buff brick surrounds. The main entrance on the west (front) façade also has a buff brick surround and there are matching quoins on the corners of the building. The building has the words “1874 “and “TOWN HALL” included in buff brick and stonework on the front façade. The building also has a square cupola on the front roof peak. The building was built in 1874 based on the date stone. The building has potential design value as a representative late 19th century Ontario vernacular civic building.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-41	Residence	200 Main Street	Identified during field review	The property contains a residence. The residence is a one and one half storey structure with a cross gable roof. The exterior is clad in red brick and contains modern windows. The windows are set in rectangular openings with red brick voussoirs. The residence has a porch. The foundation is stone. The residence was likely built between 1880 and 1930 based on the architectural style and historical mapping. The residence has potential design value as a representative late 19th to early 20th century Ontario vernacular residence.	
DBHR-42	Residence	138 Main Street	Identified during field review	The property contains a residence. The residence is a one and one half storey structure with a gambrel roof. The exterior is clad in stone with wood shingles in the roof peak and contains modern windows. There is a shed roof dormer on the east (front) façade). A plaque on the structure indicates that is if the Moffat House, built circa 1865. The residence has potential design value as a representative mid to late 19th century Ontario vernacular residence with colonial revival design influences.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-43	Residence	116 Main Street	Identified during field review	The property contains a residence. The residence is a one storey structure with a hip roof. The exterior is clad in red brick and contains modern windows. The residence has buff brick quoins and a band of buff brick above the foundation. The residence has a porch with decorative wooden brackets. The residence was likely built between 1850 and 1881 based on the architectural style, historic mapping, and settlement patterns. The residence has potential design value as a representative 19th century Ontario vernacular residence.	
DBHR-44	Residence	72 Main Street	Identified during field review	The property contains a residence. The residence is a one and one half storey structure with a gable roof and a gable dormer on the south façade. The exterior is clad in red brick and contains wood frame windows. The windows in the second storey of the south (front) façade are set in segmental arch openings with red brick voussoirs and there is a bay window on the first storey. The door has a transom above it. There is an arch shaped window in the dormer peak in the south façade. The residence has a porch with decorative wood trim around the top. The residence has a one storey addition with a gable roof clad in board and batten siding at the rear of the residence. The residence was likely built between 1850 and 1881 based on the architectural style, historical mapping, and settlement patterns. The residence has	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				potential design value as a representative mid to late 19th century gothic revival residence.	
DBHR-45	Residence	60 Main Street	Identified during field review	The property contains a residence. The residence is a two storey structure with a hip roof. There are decorative brackets along the roofline. The exterior is clad in siding and contains sympathetic replacement windows with wooden casements. The residence has a transom window above the front entrance. The residence was likely built between circa 1850 and 1881 based on the architectural style, historic mapping, and settlement patterns. The residence has potential design value as a representative mid to late 19th century Ontario vernacular residence with Italianate design influences.	
DBHR-46	Commercial/ Residence	54 Main Street	Identified during field review	The property contains a residence converted into a commercial property. The residence is a two storey structure with a hip roof and L-shaped design. The exterior is clad in red brick and contains modern windows with red brick voussoirs. Partial voussoirs on the first storey of the east (front) façade indicate that the picture window is a modification. The foundation is stone. The residence has an enclosed entrance clad in board and batten siding. The residence also has a one storey, flat roof addition clad in board and batten siding attached to the south façade. The residence was likely built between 1850	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				and 1881 based on the architectural style, historic mapping, and settlement patterns. It has potential design value as a representative mid to late 19th century Ontario vernacular residence.	
DBHR-47	Commercial	48-50 Main Street	Listed heritage property (City of Kawartha Lakes)	The property contains a commercial building. The building is a two storey structure with a flat roof. The exterior is clad in brick and contains modern windows with brick voussoirs. The brick has been painted and there is decorative brickwork along the roofline. The building also has a one storey, flat roof addition attached to the north façade clade in board and batten siding and red brick with a concrete foundation. The building was built in late 19th century as a lumber store. The building has potential design value as a representative late 19th century Ontario vernacular commercial building. The building also has associative value as it appears in Group of Seven painting by A.J. Casson entitled Bobcaygeon.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-48	Religious	40 Main Street	Identified during field review	The property contains a church. The church is a two storey structure with a front gable roof, projecting gable bays, and a square tower. The exterior is clad in red brick with, stone topped buttresses and modern siding in the gable peaks. The windows on the second storey are arch shaped with red brick drip moulding and contain stained glass, while those on the first storey are rectangular with red brick voussoirs and contain modern windows. The east (front) façade has a large pointed arch window and two doors, each with a stained-glass semi-circular transom and red brick drip moulding above it. The church was likely built between circa 1850 and 1881 based on the architectural style, historical mapping, and settlement patterns. The church has potential design value as a representative example of a mid to late 19th century Ontario vernacular structure with Romanesque revival design influences.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-49	Residence	38 Helen Street	Identified during field review	The property contains a residence. The residence is a two storey structure with a hip roof. The exterior is clad in red brick and contains modern windows. The windows are set in segmental arch openings with red brick voussoirs. The residence has an enclosed porch. The residence was likely built between circa 1850 and 1881 based on the architectural style, historical mapping, and settlement patterns. The residence has potential design value as a representative mid to late 19th century Ontario vernacular residence.	
DBHR-50	Residence	40 Head Street	Identified during field review	The property contains a residence. The residence is a one and one half storey structure with a gambrel roof and a shed roof dormer on the east (front) façade. The exterior is stone, with modern siding in the peak of the roof and covering the dormer and the structure contains sympathetic replacement windows. The residence has a porch. The property also has a metal fence with two stone pillars along the front of the property. The residence was likely built between circa 1850 and 1881 based on the architectural style, historical mapping, and settlement patterns. The residence has potential design value as a representative mid to late 19th century residence with colonial design influences.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-51	Residence	34 Head Street	Identified during field review	The property contains a residence. The residence is a one and one half storey structure with a pyramidal roof. The exterior is clad in red brick and contains modern windows. The windows are set into segmental arch openings with red brick voussoirs. The residence has a porch. The foundation is made of stone. The residence was likely built between circa 1850 and 1881 based on the architectural style, historical, mapping, and settlement patterns. The residence has potential design value as a representative mid to late 19th century Ontario vernacular structure.	
DBHR-52	Residence	10 John Street	Identified during field review	The property contains a residence. The residence is a one and one half storey structure with a pyramidal roof and decorative wood brackets. The exterior is clad in buff brick and contains wood frame windows. The windows are set in segmental arch openings with buff brick voussoirs. The residence also has a covered porch on the east (front) façade which is clad in modern siding and contains six pane wood frame windows. There is a one storey addition with a gable roof clad in modern siding at the rear of the structure. The residence was likely built between circa 1850 and 1881 based on the architectural style, historic mapping, and settlement patterns. The residence has potential design value as a representative	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				mid to late 19th century Ontario vernacular residence.	
DBHR-53	Residence	33 John Street	Identified during field review	The property contains a residence. The residence is a one and one half storey residence with a hip roof. The exterior is clad in red brick and contains modern windows. The windows are sent in segmental arch openings with red brick voussoirs. The residence has a porch. The foundation is made of stone. The residence also contains a one storey addition with a gable roof and clad in modern siding at the rear of the structure. The residence was likely built between 1880 and 1930 based on the architectural style. The residence has potential design value as a representative early 20th century Ontario vernacular residence.	
DBHR-54	Residence	18 Joseph Street	Identified during field review	The property contains a residence. The residence is a one and one half storey structure with a front gable roof and shed roof dormers clad in board and batten siding on the northwest and southeast facades. The exterior is clad in red brick and contains modern windows with red brick voussoirs. The foundation is clad in stone. The residence was likely constructed between 1900 and 1945 based on the architectural style. The residence has potential design value as a representative Ontario vernacular bungalow style residence.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-55	Residence	22 Joseph Street	Identified during field review	The property contains a residence. The residence is a one storey structure with a clipped front gable roof. The exterior is clad in red brick and contains wood frame 3 over 1 windows. The front gable contains modern siding. The foundation is clad in stone. The residence was likely built between 1900 and 1945 based on the architectural style. The residence has potential design value as a representative Ontario vernacular bungalow style residence.	
DBHR-56	Residence	38 Joseph Street	Identified during field review	The property contains a residence. The residence is a one and one half storey residence with a clipped front gable roof. The exterior is clad in red brick and contains a combination of modern and wood frame 3 over 1 windows. There is siding in the gable. The foundation is clad in stone. The residence was likely built between 1900 and 1945 based on the architectural style. The residence has potential design value as a representative Ontario vernacular bungalow style residence.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-57	Residence	82 Joseph Street	Identified during field review	The property contains a residence. The residence is a one and one half storey structure with a side gable roof and a gable dormer in the centre of the east (front) façade. The exterior is clad in brick and contains modern windows. The brick is painted with the voussoirs painted in a contrasting colour. The windows on the first storey are set in segmental arch openings with an arched window in the peak of the gable. The residence was likely built between circa 1850 and 1881 based on the architectural style, historical mapping, and settlement patterns. The residence has potential design value as a representative 19th century gothic revival residence.	
DBHR-58	Residence	55 Queen Street	Identified during field review	The property contains a residence. The residence is a one-and-one-half storey structure with a cross gable roof. The exterior is clad in red brick and contains wood frame windows. The windows are set in segmental arch openings with red brick voussoirs. The property has a one storey side gable addition with modern windows, a modern door, and clad in siding attached to the southeast corner of the structure. The residence was likely built between circa 1850 and 1881 based on the architectural style and historical mapping. The residence has potential design value as a representative mid to late 19th century Ontario vernacular residence.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-59	Residence	140 North Street	Identified during field review	This property contains a one and one half storey residence with a side gable roof and shed roof dormer. The residence is constructed with log and contains modern windows. The residence was possibly built in the mid-19th century. The residence has potential design value as a rare example of a mid-19th century log structure in the community of Bobcaygeon.	
DBHR-60	Residence	25 North Street	Identified during field review	The property contains a residence. The residence is a one and one half storey structure with a side gable roof. The roof has bargeboard and an inverted finial in the gable. The exterior is clad in red brick and contains modern windows. The windows are set in segmental arch openings with buff brick voussoirs. The residence also has buff brick quoins at the corners. The residence has a porch. The residence also has a one storey gable roof addition clad in siding at the rear of the structure. The residence was likely built between circa 1880 and 1900 based on the architectural style and historical mapping. The residence has potential design value as a representative late 19th century gothic revival residence.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-61	Commercial (formerly religious)	35 North Street	Identified during field review	The property contains a church converted into a commercial location. The church is a one storey structure with a high front gable roof. The exterior of the church is clad in painted brick and contains modern windows. The windows and door on the south (front) façade are set in arched openings with drip mouldings and keystones. There is a decorative window in the arch above the door and a circular window in the peak of the front gable. The windows on the side façade are set in segmental arch openings with brick voussoirs and there are brick dentals along the roof line of the side facade. The foundation is stone. There is a one storey flat roof addition with garage doors and clad in siding attached to the west façade of the structure. The church was likely built between circa 1850 and 1880 based on the architectural style and historical mapping. The church has potential design value as a representative mid to late 19th century Ontario vernacular religious structure.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-62	Institution	127 North Street	Identified during field review	The property contains a former medical centre. The building is a two storey structure with a hip roof and a K-shaped layout. The exterior is clad in buff brick with evenly spaced bands of red brick. The building has modern windows with buff brick voussoirs. Most of the windows are set in segmental arch openings with an arched window in the west (front) façade. The foundation is stone. The building was likely built between 1880 and 1910 based on the architectural style and historic mapping. The building has potential design value as a representative late 19th to early 20th century Ontario vernacular institutional building.	
DBHR-63	Residence	48 Reid Street	Identified during field review	The property contains a residence. The residence is a two and one half storey structure with a hip roof and a projecting front gable. The exterior is clad in red brick and contains modern windows with red brick voussoirs. The residence has a covered porch with modern windows, board and batten siding and stone pillars. The residence including the porch has a stone foundation. The residence was likely built between 1880 and 1930 based on the architectural style and historical mapping. The residence has potential design value as a representative early 20th century Ontario Vernacular residence.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-64	Barn	86 Reid Street	Identified during field review	The property contains a barn. The barn contains a gambrel roof clad in metal with lightening rods. The barn exterior is timber, and the foundation is stone. The barn was built between approximately between 1880 and 1910 based on materials, architectural style and historical mapping. The barn has potential design value as a representative late 19th to early 20th century gambrel roofed barn.	
DBHR-65	Residence	92 Reid Street	Identified during field review	The property contains a residence and a detached garage. The residence is a two and one half storey structure with a hip roof and a projecting gable on the east (front) façade. The exterior is clad in stone with shingles on the upper storey of the projecting gable segment and contains wood frame windows. The residence has a porch. The residence also has multiple stone pillars around its perimeter. The property also contains a one-and-one-half storey gable roof garage. The garage has a 12-pane wood frame window in the gable and is clad in timber. The residence was likely built between 1880 and 1930 based on the architectural style and historic mapping. The residence has potential design value as a representative late 19th to early 20th century Ontario vernacular residence.	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-66	Residence	53 Reid Street	Identified during field review	The property contains a residence. The residence is a one and one half storey structure with a cross gable roof. The exterior is clad in red brick with modern siding in the gable and contains wood frame windows. The windows are set in segmental arch openings with brick voussoirs. The residence also has a covered entrance clad in siding with modern widows. The foundation is clad in stone. The residence was likely built between 1900 and 1945 based on the architectural style and historical mapping. The residence has potential design value as a representative early 20th century Ontario vernacular bungalow style residence.	
DBHR-67	Residence	78 Balaclava Street	Identified during field review	The property contains a residence. The residence is a one and one half storey residence with a mansard roof and a gable dormer on the east (front) façade. The exterior is clad in red brick and contains wood frame windows. The windows are set in rectangular openings with buff brick drip moulding and keystones. The residence also has buff brick quoins, decorative buff brick work along the roofline, and a wide buff brick band above the foundation. The front entrance is set in a projecting alcove with a pointed roof, wood brackets, and buff brick drip moulding and keystone that matches the windows. The property also	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				has red brick pillars flanking the driveway. The residence was likely built between 1880 and 1900 based on the architectural style and historical mapping. The residence has potential design value as a representative late 19th century Second Empire residence.	
DBHR-68	Farmstead	82 Balaclava Street	Identified during field review	The property contains a residence and a barn. The residence is a one and one half storey structure with a front gable roof. The exterior is clad in red brick and contains wood frame windows. The windows on the second storey are set in arched openings while those on the first storey are in rectangular openings. The windows on both stories has buff brick drip moulding and there are buff brick quoins at the structure's corners. The residence has an overhang on the east (front) façade and there is a transom window above the door. The property also contains a barn. It is a one-and-one-half storey structure with an uneven side gable roof. The exterior is clad in timber and contains wood frame six-pane windows. The foundation is stone. The residence and barn were likely built between 1880 and 1930 based on the architectural style and historical mapping. The residence has potential design value as a representative late 19th to early 20th century Ontario vernacular residence. The barn has potential design value as a representative late 19th to early 20th century gable roof barn.	 

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-69	Cemetery	N/A—Verulam Cemetery, east side of Balaclava Street between Bick Street and Dunn Street	Identified during field review	This property contains the Verulam Cemetery. The cemetery contains mostly limestone markers with some granite markers with iconography associated with death and dying in 19th and 20th century North America. The cemetery is set in a flat, open space landscaped with mature deciduous and coniferous trees. The cemetery also has stone pillars near the entrances, including one set that has marble memorial plaques carved with names of World War I dead. The cemetery has potential design value through its representative markers. The cemetery is historically associated with the early settlement of the area.	
DCHL-2	Civic	81-87 Dunn Street—Kawartha Settlers Village	Identified during field review	The property, a former family farm, now contains a collection of more than 20 historic homes and buildings which have been relocated from other places in Bobcaygeon. Some of these include: • The Boyd Carriage House, the only remaining building from the Boyd Family Estate, built in 1840 • Fairbairn Church, a Methodist church built in 1885 • The Henderson House, a Colonial-Georgian Revival residence built between 1910 and 1913 by local builder and Trent Waterways Supervisor William Grant	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
				• The Junkin House, a log home built in 1864 • The Wray House, the oldest building at the Village, a log home built in the 1850's • The Orange Lodge, still operating as Orange Order Branch 1410, which was built in 1891 • The Murphy Barn, seen in the second photo, which was part of the Murphy family farm original located on this lot. The land was purchased in 1873 by John and Mary-Ann Murphy The landscape at Kawartha Settler's Village includes relocated historic buildings dating from the 1850s to 1913. The Village has potential design value for its collection of historic structures and potential historical and associative value through its connections to the settlement and early history of Bobcaygeon and the surrounding area. Information about the buildings was gathered from the Village's website (Kawartha Settlers Village, 2020).	

Table 4: Identified Built Heritage Resources and Cultural Heritage Landscapes in Potential Distribution Section

CHR Reference Number	Type of Property	Location	Previous Heritage Recognition	Description of Known or Potential CHVI	Photograph
DBHR-70	Residential	88 Riverside Drive	Identified during field review	The property contains a residence. The residence is a one and one half storey structure with a gambrel roof and shed roof dormers. The exterior is clad in wood siding and contains 4-pane wood frame windows. Some of the residence's windows have wooden shutters carved with moons. The residence was likely built as a summer house circa 1900 to 1930 based on the architectural style and settlement patterns. The residence has potential design value as a representative example of an early 20th century cottage or summer home with colonial revival design influences.	

3.4.2 OEB Environmental Guidelines Indicators

Based on the field program, resources representing eight of the indicators of CHVI according to Section 4.3.4 of the *OEB Environmental Guidelines* were identified (Table 4). Where previously identified or potential built heritage resources or cultural heritage landscapes are identified, the impacts of the Project on these resources must be assessed.

Table 5: Indicators of CHVI According to Section 4.3.4 of the *OEB Environmental Guidelines*

Indicators	Identified within the Study Area
Property designated under Part IV of the OHA	***Identified***
A bridge on Ontario Heritage Bridge List	Not identified
Property within a Heritage Conservation District designated under Part V of the OHA	Not identified
Property with an OHT or municipal heritage conservation easement	Not identified
Property with a provincial or federal plaque	Not identified
A National Historic Site	***Identified***
Property containing a registered archaeological site	Not Applicable*
Property with archaeological potential	Not Applicable*
Property listed on a municipal heritage register or provincial heritage register	***Identified***
Property adjacent to an identified heritage property	***Identified***
Property that has buildings or structures over 40 years old	***Identified***
Property within a Canadian Heritage River watershed	Not Identified
Property associated with a renowned architect or builder	Not identified
Property containing or adjacent to a burial site or cemetery	***Identified***
Parkland	***Identified***
Land with distinctive landforms or geographic features	Not Identified
Historic transportation corridors (such as navigational canals, rail lines or trails, traditional Métis portage routes, etc.)	***Identified***
Other human-made alterations to natural landscapes (such as earthworks, plantings, etc.)	Not Identified

*An Archaeological Assessment has been undertaken under separate cover. Archaeological potential is considered beyond the scope of the current study.

4.0 PRELIMINARY IMPACT ASSESSMENT

4.1 DESCRIPTION OF PROPOSED UNDERTAKING

The final construction footprint and technique will be determined during the detailed design. As described in Section 1.2, the pipeline construction process involves the following activities:

- Constructing the Proposed Pipeline:
  - Site Preparation
  - Clearing
  - Stripping and RoW Preparation
  - Trenching
  - Horizontal directional drilling
  - Hoe ram or blasting (a potential step as required)
  - Stringing
  - Pipe Fabrication and Lowering
  - Backfilling
  - Pressure Testing
  - Clean-Up and Restoration

4.2 IDENTIFICATION OF PRELIMINARY POTENTIAL PROJECT SPECIFIC IMPACTS AND PROPOSED MITIGATION MEASURES

The results of the preliminary impact assessment and preparation of mitigation measures for the Reinforcement/Supply Lateral section are presented in Table 6 and results for the potential distribution section are presented in Table 7. No direct impacts to any previously identified or potential built heritage resources or cultural heritage landscapes are anticipated at this stage of the Project. Indirect impacts were identified for 16 properties in the Reinforcement/Supply Lateral section of the project and 58 properties in the potential distribution section of the project.

Table 6: Preliminary Impact Assessment and Mitigation Measures for Reinforcement/Supply Lateral Section

CHR Reference Number	Location	Previous Heritage Recognition	Type and Description of potential/Anticipated Impact	Mitigation Measures
BHR-1	2111 County Road 10	Listed heritage resource	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 118 metres west of the residence and barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-2	2132 County Road 10	Listed heritage resource	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 133 metres east of the residence and barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-3	2427 Queen Mary Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities are proposed within 12 metres of the identified BHR. The position of the residence within 12 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 50 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 50 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
BHR-4	2454 Queen Mary Street	Listed heritage resource	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities are proposed within 10 metres of the identified BHR. The position of the residence within 10 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 50 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 50 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
BHR-5	2460 Queen Mary Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities are proposed within 9 metres of the identified BHR. The position of the residence within 9 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 50 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 50 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
BHR-6	2464 Queen Mary Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities are proposed within 7 metres of the identified BHR. The position of the residence within 7 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 50 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 50 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
BHR-7	N/A—Shield Cemetery, Southeast corner of Queen Mary Street and Hayes Line	Identified during field review	**Indirect:** The cemetery is situated adjacent to the Project Location. Construction activities are proposed within 1 metre of the identified BHR. The position of the residence within 1 metre has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the cemetery to limit construction activity to more than 50 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied.

Table 6: Preliminary Impact Assessment and Mitigation Measures for Reinforcement/Supply Lateral Section

CHR Reference Number	Location	Previous Heritage Recognition	Type and Description of potential/Anticipated Impact	Mitigation Measures
				Alternative Option: Where construction activities are anticipated within the 50 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
BHR-8	9 Emily Park Road	Identified during field review	**Indirect:** A barn is situated adjacent to the Project Location. Construction activities are proposed within 37 metres of the identified BHR. The position of the residence within 37 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the barn to limit construction activity to more than 50 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 50 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
BHR-9	118 Emily Park Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 54 metres east of the residence. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-10	133 Emily Park Road	Identified during field review	**Indirect:** The cemetery is situated adjacent to the Project Location. Construction activities are proposed within 1 metre of the identified BHR. The position of the residence within 1 metre has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the cemetery to limit construction activity to more than 50 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 50 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
BHR-11	182 Emily Park Road	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities are proposed within 33 metres of the identified BHR. The position of the residence within 33 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 50 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 50 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
BHR-12	264 Emily Park Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 76 metres west of the barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-13	301 Emily Park Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 78 metres east of the barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-14	4246 Highway 7	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 612 metres east of the barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.

Table 6: Preliminary Impact Assessment and Mitigation Measures for Reinforcement/Supply Lateral Section

CHR Reference Number	Location	Previous Heritage Recognition	Type and Description of potential/Anticipated Impact	Mitigation Measures
BHR-15	N/A—Emily Park Road Allowance between Lot 12 and 13, Concession 4, Emily Township	Identified during field review	**No Impacts Anticipated** A small portion of the former railway corridor is positioned within the Project Location, as the pipeline is proposed to run through the corridor. Construction of the pipeline is not anticipated to alter the heritage attribute, that of the layout of the railway line. Work within the project location is temporary and land would be returned to its pre-construction state. Therefore, the railway is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-16	511 Emily Park Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 187 metres east of the residence. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-17	541 Emily Park Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 292 metres east of the barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-18	601 Emily Park Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 112 metres east of the residence and barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-19	620 Emily Park Road	Identified during field review	**Indirect:** The schoolhouse is situated adjacent to the Project Location. Construction activities are proposed within 9 metres of the identified BHR. The position of the schoolhouse within 9 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the schoolhouse to limit construction activity to more than 50 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 50 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
BHR-20	680 Emily Park Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 73 metres west of the barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
CHL-1	797 Emily Park Road	Identified during field review	**No Impacts Anticipated** A small portion of Emily Provincial Park is positioned within 50 metres of the Project Location. Construction of the pipeline is not anticipated to alter the heritage attributes of the park, including its historical and associative value with leisure and tourism in the Kawarthas and its contextual link to the Pigeon River. Work within the project location is temporary and land would be returned to its pre-construction state. Therefore, the park is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.

Table 6: Preliminary Impact Assessment and Mitigation Measures for Reinforcement/Supply Lateral Section

CHR Reference Number	Location	Previous Heritage Recognition	Type and Description of potential/Anticipated Impact	Mitigation Measures
BHR-21	39 Centreline Road	Identified during field review	**Indirect:** The barn is situated adjacent to the Project Location. Construction activities are proposed within 20 metres of the identified BHR. The position of the barn within 20 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the barn to limit construction activity to more than 50 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 50 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
BHR-22	614 Shamrock Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 200 metres west of the barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-23	658 St. Luke's Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 224 metres east of the residence. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-24	695 St. Luke's Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 61 metres east of the barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-25	123 Cork Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 162 metres north of the residence. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-26	N/A—Adjacent to 619 Centreline Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 94 metres south of the barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-27	1623 Pigeon Lake Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 166 metres south of the barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-28	1630 Pigeon Lake Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 136 metres north of the barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-29	46 Whispi Shore Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 143 metres northwest of the barn.	Continued avoidance is recommended.

Table 6: Preliminary Impact Assessment and Mitigation Measures for Reinforcement/Supply Lateral Section

CHR Reference Number	Location	Previous Heritage Recognition	Type and Description of potential/Anticipated Impact	Mitigation Measures
			Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	
BHR-30	1825 Pigeon Lake Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 138 metres east of the barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-31	1884 Pigeon Lake Road	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities are proposed within 33 metres of the identified BHR. The position of the residence within 33 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 50 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 50 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
BHR-32	1915 Pigeon Lake Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 83 metres south of the barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-33	2041 Pigeon Lake Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 64 metres east of the barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-34	143 Shoreview Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 268 metres east of the barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-35	2298 Pigeon Lake Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 165 metres east of the residence. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.

Table 6: Preliminary Impact Assessment and Mitigation Measures for Reinforcement/Supply Lateral Section

CHR Reference Number	Location	Previous Heritage Recognition	Type and Description of potential/Anticipated Impact	Mitigation Measures
BHR-36	2300 Pigeon Lake Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 136 metres east of the barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-37	2432 Pigeon Lake Road	Identified during field review	**Indirect:** The schoolhouse is situated adjacent to the Project Location. Construction activities are proposed within 25 metres of the identified BHR. The position of the schoolhouse within 25 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the schoolhouse to limit construction activity to more than 50 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 50 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
BHR-38	2531 Pigeon Lake Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 543 metres east of the barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-39	2561 Pigeon Lake Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 122 metres east of the barn and residence. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-40	2741 Pigeon Lake Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 196 metres south of the barn and residence. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-41	3269 County Road 36	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities are proposed within 45 metres of the identified BHR. The position of the residence within 45 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 50 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 50 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
BHR-42	3343 County Road 36	Listed heritage resource (City of Kawartha Lakes)	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 78 metres east of the barn and residence. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.

Table 6: Preliminary Impact Assessment and Mitigation Measures for Reinforcement/Supply Lateral Section

CHR Reference Number	Location	Previous Heritage Recognition	Type and Description of potential/Anticipated Impact	Mitigation Measures
BHR-43	3362 County Road 36	Listed heritage resource (City of Kawartha Lakes)	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities are proposed within 20 metres of the identified BHR. The position of the residence within 20 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 50 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 50 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
BHR-44	N/A—Ted Shea Plaque on boulder in parkette on Kingsway Drive	Identified during field review	**No Impacts Anticipated:** The boulder and plaque within the parkette is positioned within 20 metres of the Project Location. Construction of the pipeline is not anticipated to alter the heritage attributes of the park, including its historical and associative value with Ted Shea. Work within the project location is temporary and land would be returned to its pre-construction state. Therefore, the parkette and boulder is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
CHL-2	28 Boyd Street and 45 Canal Street	Designated heritage resource (City of Kawartha Lakes)	**Indirect:** The wall is situated adjacent to the Project Location. Construction activities are proposed within 15 metres of the identified BHR. The position of the wall within 15 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the wall to limit construction activity to more than 50 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 50 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
BHR-45	15 Bethany Hills Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 340 metres east of the barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-46	69 Bethany Hills Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 67 metres west of the barn and residence. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-47	639 Fleetwood Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 280 metres west of the residence and barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-48	647 Golf Course Road	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities are proposed within 46 metres of the identified BHR. The position of the residence within 46 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 50 metre buffer zone a pre-construction vibration monitoring assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.

Table 6: Preliminary Impact Assessment and Mitigation Measures for Reinforcement/Supply Lateral Section

CHR Reference Number	Location	Previous Heritage Recognition	Type and Description of potential/Anticipated Impact	Mitigation Measures
BHR-49	629 Golf Course Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 51 metres east of the cemetery. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-50	621 Golf Course Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 123 metres east of the residence. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
BHR-51	624 Golf Course Road	Identified during field review	**No Impacts Anticipated:** The property is located within the Cultural Heritage Study Area. Construction activities are proposed more than 132 metres east of the residence and barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.

Table 7: Preliminary Impact Assessment and Mitigation Measures for Potential Distribution Section

CHR Reference Number	Location	Previous Heritage Recognition	Type and Description of Potential/Anticipated Impact	Mitigation Measures
DBHR-1	117 William Street	Identified during field review	**No Impacts Anticipated:** The property is located adjacent to the Project Location. Construction activities related to the potential distribution section are proposed more than 32 metres northeast of the residence. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
DBHR-2	47 Mansfield Street	Identified during field review	**Indirect:** The community centre is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 9 metres of the identified BHR. The position of the residence within 9 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the community centre to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-3	79 Sherwood Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 8 metres of the identified BHR. The position of the residence within 8 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-4	64 Sherwood Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 7 metres of the identified BHR. The position of the residence within 7 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-5	72 Sherwood Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 6 metres of the identified BHR. The position of the residence within 6 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-6	64 King Street West	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 8 metres of the identified BHR. The position of the residence within 8 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.

Table 7: Preliminary Impact Assessment and Mitigation Measures for Potential Distribution Section

CHR Reference Number	Location	Previous Heritage Recognition	Type and Description of Potential/Anticipated Impact	Mitigation Measures
DBHR-7	54 King Street West	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 8 metres of the identified BHR. The position of the residence within 8 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-8	8 King Street West	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 8 metres of the identified BHR. The position of the residence within 8 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-9	3 King Street East	Identified during field review	**Indirect:** The commercial building is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 1 metre of the identified BHR. The position of the structure within 1 metre has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the commercial building to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-10	11 King Street East	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 3 metres of the identified BHR. The position of the residence within 3 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-11	49 King Street East	Listed heritage resource (Kawartha Lakes)	**Indirect:** The school is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 2 metres of the identified BHR. The position of the school within 2 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the school to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-12	30 King Street East	Identified during field review	**Indirect:** The commercial building is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 1 metre of the identified BHR. The position of the commercial building within 1 metre has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the commercial building to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.

Table 7: Preliminary Impact Assessment and Mitigation Measures for Potential Distribution Section

CHR Reference Number	Location	Previous Heritage Recognition	Type and Description of Potential/Anticipated Impact	Mitigation Measures
DBHR-13	90 Bolton Street	Listed heritage resource (Kawartha Lakes)	**Indirect:** The civic building is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 1 metre of the identified BHR. The position of the civic building within 1 metre has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the civic building to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-14	25 King Street West	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 2 metres of the identified BHR. The position of the residence within 2 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-15	53 King Street West	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 1 metre of the identified BHR. The position of the residence within 1 metre has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-16	23 Mansfield Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 3 metres of the identified BHR. The position of the residence within 3 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-17	19 Mansfield Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 9 metres of the identified BHR. The position of the residence within 9 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-18	12 Mansfield Street	Identified during field review	**No Impacts Anticipated:** The property is located adjacent to the Project Location. Construction activities related to the potential distribution section are proposed more than 16 metres north and west of the residence. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.

Table 7: Preliminary Impact Assessment and Mitigation Measures for Potential Distribution Section

CHR Reference Number	Location	Previous Heritage Recognition	Type and Description of Potential/Anticipated Impact	Mitigation Measures
DBHR-19	43 Sherwood Street	Listed heritage resource (Kawartha Lakes)	**Indirect:** The church is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 5 metres of the identified BHR. The position of the church within 5 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the church to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-20	45 Sherwood Street	Identified during field review	**No Impacts Anticipated:** The property is located adjacent to the Project Location. Construction activities related to the potential distribution section are proposed more than 13 metres east of the residence. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
DBHR-21	65 Bolton Street	Identified during field review	**Indirect:** The commercial building is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 5 metres of the identified BHR. The position of the commercial building within 5 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the commercial building to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-22	45 Bolton Street	Identified during field review	**Indirect:** The commercial building is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 4 metres of the identified BHR. The position of the commercial building within 4 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the commercial building to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-23	43 Bolton Street	Identified during field review	**Indirect:** The commercial building is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 4 metres of the identified BHR. The position of the commercial building within 4 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the commercial building to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-24	39 Bolton Street	Identified during field review	**Indirect:** The commercial building is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 4 metres of the identified BHR. The position of the commercial building within 4 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the commercial building to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.

Table 7: Preliminary Impact Assessment and Mitigation Measures for Potential Distribution Section

CHR Reference Number	Location	Previous Heritage Recognition	Type and Description of Potential/Anticipated Impact	Mitigation Measures
DBHR-25	35 Bolton Street	Listed heritage resource (Kawartha Lakes)	**Indirect:** The commercial building is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 4 metres of the identified BHR. The position of the commercial building within 4 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the commercial building to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-26	58-62 Bolton Street	Identified during field review	**No Impacts Anticipated:** The property is located adjacent to the Project Location. Construction activities related to the potential distribution section are proposed more than 22 metres west of the former residence (now a commercial property). Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
DCHL-1	15-34 Bolton Street	National Historic Site	**No Impacts Anticipated:** The property is located adjacent to the Project Location. Construction activities related to the potential distribution section are proposed more than 18 metres north of the National Historic Site. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
DBHR-27	35 William Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 2 metres of the identified BHR. The position of the residence within 2 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-28	19 William Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 8 metres of the identified BHR. The position of the residence within 8 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-29	44 William Street	Identified during field review	**Indirect:** The church is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 1 metre of the identified BHR. The position of the church within 1 metre has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the church to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.

Table 7: Preliminary Impact Assessment and Mitigation Measures for Potential Distribution Section

CHR Reference Number	Location	Previous Heritage Recognition	Type and Description of Potential/Anticipated Impact	Mitigation Measures
DBHR-30	4 Need Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 8 metres of the identified BHR. The position of the residence within 8 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-31	18 Need Street	Identified during field review	**Indirect:** The church is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 5 metres of the identified BHR. The position of the church within 5 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the church to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-32	32 Need Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 5 metres of the identified BHR. The position of the residence within 5 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-33	21 Canal Street East	Designated heritage resource (Kawartha Lakes)	**Indirect:** The museum is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 8 metres of the identified BHR. The position of the museum within 8 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the museum to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-34	44 Front Street East	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 5 metres of the identified BHR. The position of the residence within 5 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-35	20 Front Street East	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 4 metres of the identified BHR. The position of the residence within 4 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.

Table 7: Preliminary Impact Assessment and Mitigation Measures for Potential Distribution Section

CHR Reference Number	Location	Previous Heritage Recognition	Type and Description of Potential/Anticipated Impact	Mitigation Measures
DBHR-36	4 Front Street East	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 5 metres of the identified BHR. The position of the residence within 5 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-37	9 Front Street West	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 1 metre of the identified BHR. The position of the residence within 1 metre has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-38	119 Front Street West	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 1 metre of the identified BHR. The position of the residence within 1 metre has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-39	39 Main Street	Identified during field review	**Indirect:** The commercial building is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 4 metres of the identified BHR. The position of the commercial building within 4 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the commercial building to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-40	55 Main Street	Identified during field review	**Indirect:** The civic building is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 5 metres of the identified BHR. The position of the civic building within 5 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the civic building to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-41	200 Main Street	Identified during field review	**No Impacts Anticipated:** The property is located adjacent to the Project Location. Construction activities related to the potential distribution section are proposed more than 11 metres east of the residence. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.

Table 7: Preliminary Impact Assessment and Mitigation Measures for Potential Distribution Section

CHR Reference Number	Location	Previous Heritage Recognition	Type and Description of Potential/Anticipated Impact	Mitigation Measures
DBHR-42	138 Main Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 8 metres of the identified BHR. The position of the residence within 8 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-43	116 Main Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 5 metres of the identified BHR. The position of the residence within 5 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-44	72 Main Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 1 metre of the identified BHR. The position of the residence within 1 metre has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-45	60 Main Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 2 metres of the identified BHR. The position of the residence within 2 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-46	54 Main Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 2 metres of the identified BHR. The position of the residence within 2 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-47	48-50 Main Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 4 metres of the identified BHR. The position of the residence within 4 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.

Table 7: Preliminary Impact Assessment and Mitigation Measures for Potential Distribution Section

CHR Reference Number	Location	Previous Heritage Recognition	Type and Description of Potential/Anticipated Impact	Mitigation Measures
DBHR-48	40 Main Street	Identified during field review	**Indirect:** The church is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 1 metre of the identified BHR. The position of the church within 1 metre has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the church to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-49	38 Helen Street	Identified during field review	**No Impacts Anticipated:** The property is located adjacent to the Project Location. Construction activities related to the potential distribution section are proposed more than 12 metres east of the residence. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
DBHR-50	40 Head Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 2 metres of the identified BHR. The position of the residence within 2 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-51	34 Head Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 6 metres of the identified BHR. The position of the residence within 6 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-52	10 John Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 6 metres of the identified BHR. The position of the residence within 6 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-53	33 John Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 3 metres of the identified BHR. The position of the residence within 3 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.

Table 7: Preliminary Impact Assessment and Mitigation Measures for Potential Distribution Section

CHR Reference Number	Location	Previous Heritage Recognition	Type and Description of Potential/Anticipated Impact	Mitigation Measures
DBHR-54	18 Joseph Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 8 metres of the identified BHR. The position of the residence within 8 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-55	22 Joseph Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 9 metres of the identified BHR. The position of the residence within 9 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-56	38 Joseph Street	Identified during field review	**No Impacts Anticipated:** The property is located adjacent to the Project Location. Construction activities related to the potential distribution section are proposed more than 15 metres northeast of the residence. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
DBHR-57	82 Joseph Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 7 metres of the identified BHR. The position of the residence within 7 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-58	55 Queen Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 1 metre of the identified BHR. The position of the residence within 1 metre has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-59	140 North Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 2 metres of the identified BHR. The position of the residence within 2 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.

Table 7: Preliminary Impact Assessment and Mitigation Measures for Potential Distribution Section

CHR Reference Number	Location	Previous Heritage Recognition	Type and Description of Potential/Anticipated Impact	Mitigation Measures
DBHR-60	25 North Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 1 metre of the identified BHR. The position of the residence within 1 metre has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-61	35 North Street	Identified during field review	**Indirect:** The former church is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 1 metre of the identified BHR. The position of the former church within 1 metre has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the former church to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-62	127 North Street	Identified during field review	**No Impacts Anticipated:** The property is located adjacent to the Project Location. Construction activities related to the potential distribution section are proposed more than 17 metres south of the institution. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
DBHR-63	48 Reid Street	Identified during field review	**No Impacts Anticipated:** The property is located adjacent to the Project Location. Construction activities related to the potential distribution section are proposed more than 11 metres east of the residence. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
DBHR-64	86 Reid Street	Identified during field review	**No Impacts Anticipated:** The property is located adjacent to the Project Location. Construction activities related to the potential distribution section are proposed more than 28 metres east of the barn. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
DBHR-65	92 Reid Street	Identified during field review	**No Impacts Anticipated:** The property is located adjacent to the Project Location. Construction activities related to the potential distribution section are proposed more than 17 metres east of the residence. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.
DBHR-66	53 Reid Street	Identified during field review	**Indirect:** The residence is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 7 metres of the identified BHR. The position of the residence within 7 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the residence to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-67	78 Balaclava Street	Identified during field review	**No Impacts Anticipated:** The property is located adjacent to the Project Location. Construction activities related to the potential distribution section are proposed more than 33 metres east of the residence.	Continued avoidance is recommended.

Table 7: Preliminary Impact Assessment and Mitigation Measures for Potential Distribution Section

CHR Reference Number	Location	Previous Heritage Recognition	Type and Description of Potential/Anticipated Impact	Mitigation Measures
			Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	
DBHR-68	82 Balaclava Street	Identified during field review	**Indirect:** The barn is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 8 metres of the identified BHR. The position of the barn within 8 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the barn to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-69	Verulam Cemetery, east side of Balaclava Street	Identified during field review	**Indirect:** The cemetery is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 1 metre of the identified BHR. The position of the cemetery within 1 metre has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the cemetery to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DCHL-2	81-87 Dunn Street	Identified during field review	**Indirect:** The settler's village is situated adjacent to the Project Location. Construction activities related to the potential distribution section are proposed within 10 metres of the identified heritage attributes of the CHL. The position of the settler's village heritage attributes within 10 metres has the potential for indirect impacts resulting from vibration damage during construction activities.	**Preferred Option:** Avoid the BHR by establishing a buffer zone around the settler's village to limit construction activity to more than 10 metres away. This should use appropriate preventative measures such as mapping of the BHR on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the BHR. Where avoidance is not feasible, the alternative option should be applied. **Alternative Option:** Where construction activities are anticipated within the 10 metre buffer zone a pre-construction vibration assessment by a qualified engineer is recommended in order to determine if vibration monitoring or site plan controls are required.
DBHR-70	88 Riverside Drive	Identified during field review	**No Impacts Anticipated:** The property is located adjacent to the Project Location. Construction activities related to the potential distribution section are proposed more than 14 metres south of the residence. Therefore, the property is not at risk of direct or indirect impacts and no mitigation measures or further cultural heritage evaluation are required.	Continued avoidance is recommended.

4.2.1 Summary of Impacts

4.2.1.1 Reinforcement/Supply Lateral Section

Direct Impacts: Following the assessment of impacts presented in Table 6, no previously identified or potential built heritage resources or cultural heritage landscapes were identified to be situated within the Project Location and at risk for direct impacts.

Indirect Impacts: Following the assessment of impacts presented in Table 6, 16 previously identified or potential built heritage resources or cultural heritage landscapes were identified to be situated within 50 metres of planned construction activities and are at risk for potential indirect, vibration related impacts:

- 2427 Queen Mary Street, Township of Cavan Monaghan (BHR-3)
- 2454 Queen Mary Street, Township of Cavan Monaghan (BHR-4)
- 2460 Queen Mary Street, Township of Cavan Monaghan (BHR-5)
- 2464 Queen Mary Street, Township of Cavan Monaghan (BHR-6)
- Shield Cemetery, Southeast corner of Queen Mary Street and Hayes Line, Township of Cavan Monaghan (BHR-7)
- 9 Emily Park Road, City of Kawartha Lakes (BHR-8)
- 133 Emily Park Road, City of Kawartha Lakes (BHR-10)
- 182 Emily Park Road, City of Kawartha Lakes (BHR-11)
- 620 Emily Park Road, City of Kawartha Lakes (BHR-19)
- 39 Centreline Road, City of Kawartha Lakes (BHR-21)
- 1884 Pigeon Lake Road, City of Kawartha Lakes (BHR-31)
- 2432 Pigeon Lake Road, City of Kawartha Lakes (BHR-37)
- 3269 County Road 36, City of Kawartha Lakes (BHR-41)
- 3362 County Road 36, City of Kawartha Lakes (BHR-43)
- 28 Boyd Street, City of Kawartha Lakes (CHL-2)
- 647 Golf Course Road, City of Kawartha Lakes (BHR-48)

Where potential for impacts has been identified, measures to mitigate them have been prepared. Precautions are required to conserve previously identified or potential built heritage resources or cultural heritage landscapes through avoidance and mitigation where the potential for the Project to cause an impact has been identified. Vibration velocity, or PPV, should be limited to 8-22 millimetres per second. Therefore, the below mitigation options have been developed to provide for the conservation of previously identified or potential built heritage resource or cultural heritage landscape identified.

The potential for indirect impacts resulting from vibration effects is related to the construction phase of the Project. Where potential impacts have been identified, components of the previously identified or potential built heritage resource or cultural heritage landscape are positioned within the 50-metre buffer but outside



the direct Project Location. As a result, a preventive approach to mitigation measures will contribute to a reduction in risk of indirect impacts. The following is the preferred and alternative mitigation options:

Preferred Option: Avoid properties containing previously identified or potential built heritage resources or cultural heritage landscapes by establishing a buffer zone around the resource to avoid construction activity with 50 metres of the built heritage resource or cultural heritage landscape. This should use appropriate preventative measures such as mapping on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the previously identified or potential built heritage resource or cultural heritage landscape. Where avoidance is not feasible, the alternative option should be applied.

Alternative Option: For resources within 50 metres of the Reinforcement/Supply Lateral section of the Project Location that cannot be avoided, the alternative option to mitigate this risk is for a qualified building condition specialist or engineer to develop a strategy to carry out condition surveys and vibration monitoring, where required. The pre-condition survey may consist of screening activities to identify critical properties and determine appropriate vibration levels based on building type, age, and condition. Vibration monitoring may consist of random confirmatory vibration monitoring during pipeline installation at the most critical properties. A post-condition survey should be carried out on an as-needed basis to be determined by the qualified building condition specialist or engineer.

4.2.1.2 Potential Distribution Section

Direct Impacts: Following the assessment of impacts presented in Table 7, no previously identified or potential built heritage resources or cultural heritage landscapes were identified to be situated within the Project Location and at risk for direct impacts.

Indirect Impacts: Following the assessment of impacts presented in Table 6, 58 previously identified or potential built heritage resources or cultural heritage landscapes were identified to be situated within 10 metres of planned construction activities and are at risk for potential indirect, vibration related impacts:

- 47 Mansfield Street, City of Kawartha Lakes (DBHR-2)
- 79 Sherwood Street, City of Kawartha Lakes (DBHR-3)
- 64 Sherwood Street, City of Kawartha Lakes (DBHR-4)
- 72 Sherwood Street, City of Kawartha Lakes (DBHR-5)
- 64 King Street West, City of Kawartha Lakes (DBHR-6)
- 54 King Street West, City of Kawartha Lakes (DBHR-7)
- 8 King Street West, City of Kawartha Lakes (DBHR-8)
- 3 King Street East, City of Kawartha Lakes (DBHR-9)
- 11 King Street East, City of Kawartha Lakes (DBHR-10)
- 49 King Street East, City of Kawartha Lakes (DBHR-11)
- 30 King Street East, City of Kawartha Lakes (DBHR-12)

- 90 Bolton Street, City of Kawartha Lakes (DBHR-13)
- 25 King Street West, City of Kawartha Lakes (DBHR-14)
- 53 King Street West, City of Kawartha Lakes (DBHR-15)
- 23 Mansfield Street, City of Kawartha Lakes (DBHR-16)
- 19 Mansfield Street, City of Kawartha Lakes (DBHR-17)
- 43 Sherwood Street, City of Kawartha Lakes (DBHR-19)
- 65 Bolton Street, City of Kawartha Lakes (DBHR-21)
- 45 Bolton Street, City of Kawartha Lakes (DBHR-22)
- 43 Bolton Street, City of Kawartha Lakes (DBHR-23)
- 39 Bolton Street, City of Kawartha Lakes (DBHR-24)
- 35 Bolton Street, City of Kawartha Lakes (DBHR-25)
- 35 William Street, City of Kawartha Lakes (DBHR-27)
- 19 William Street, City of Kawartha Lakes (DBHR-28)
- 44 William Street, City of Kawartha Lakes (DBHR-29)
- 4 Need Street, City of Kawartha Lakes (DBHR-30)
- 18 Need Street, City of Kawartha Lakes (DBHR-31)
- 32 Need Street, City of Kawartha Lakes (DBHR-32)
- 21 Canal Street East, City of Kawartha Lakes (DBHR-33)
- 44 Front Street East, City of Kawartha Lakes (DBHR-34)
- 20 Front Street East, City of Kawartha Lakes (DBHR-35)
- 4 Front Street East, City of Kawartha Lakes (DBHR-36)
- 9 Front Street West, City of Kawartha Lakes (DBHR-37)
- 119 Front Street West, City of Kawartha Lakes (DBHR-38)
- 39 Main Street, City of Kawartha Lakes (DBHR-39)
- 55 Main Street, City of Kawartha Lakes (DBHR-40)
- 138 Main Street, City of Kawartha Lakes (DBHR-42)
- 116 Main Street, City of Kawartha Lakes (DBHR-43)
- 72 Main Street, City of Kawartha Lakes (DBHR-44)
- 60 Main Street, City of Kawartha Lakes (DBHR-45)
- 54 Main Street, City of Kawartha Lakes (DBHR-46)
- 48-50 Main Street, City of Kawartha Lakes (DBHR-47)
- 40 Main Street, City of Kawartha Lakes (DBHR-48)
- 40 Head Street, City of Kawartha Lakes (DBHR-50)
- 34 Head Street, City of Kawartha Lakes (DBHR-51)



- 10 John Street, City of Kawartha Lakes (DBHR-52)
- 33 John Street, City of Kawartha Lakes (DBHR-53)
- 18 Joseph Street, City of Kawartha Lakes (DBHR-54)
- 22 Joseph Street, City of Kawartha Lakes (DBHR-55)
- 82 Joseph Street, City of Kawartha Lakes (DBHR-57)
- 55 Queen Street, City of Kawartha Lakes (DBHR-58)
- 140 North Street, City of Kawartha Lakes (DBHR-59)
- 25 North Street, City of Kawartha Lakes (DBHR-60)
- 35 North Street, City of Kawartha Lakes (DBHR-61)
- 53 Reid Street, City of Kawartha Lakes (DBHR-66)
- 82 Balaclava Street, City of Kawartha Lakes (DBHR-68)
- N/A—Verulam Cemetery, Balaclava Street, City of Kawartha Lakes (DBHR-69)
- 81-87 Dunn Street, City of Kawartha Lakes (DCHL-2)

Where potential for impacts has been identified, measures to mitigate them have been prepared. Precautions are required to conserve previously identified or potential built heritage resources or cultural heritage landscapes through avoidance and mitigation where the potential for the Project to cause an impact has been identified. Vibration velocity, or PPV, should be limited to 8-22 millimetres per second. Therefore, the below mitigation options have been developed to provide for the conservation of previously identified or potential built heritage resource or cultural heritage landscape identified.

The potential for indirect impacts resulting from vibration effects is related to the construction phase of the Project. Where potential impacts have been identified, components of the previously identified or potential built heritage resource or cultural heritage landscape are positioned within the 10-metre buffer but outside the direct Project Location. As a result, a preventive approach to mitigation measures will contribute to a reduction in risk of indirect impacts. The following is the preferred and alternative mitigation options:

Preferred Option: Avoid properties containing previously identified or potential built heritage resources or cultural heritage landscapes by establishing a buffer zone around the resource to avoid construction activity with 10 metres of the built heritage resource or cultural heritage landscape. This should use appropriate preventative measures such as mapping on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid the previously identified or potential built heritage resource or cultural heritage landscape. Where avoidance is not feasible, the alternative option should be applied.

Alternative Option: For resources within 10 metres of the potential distribution section of the Project Location that cannot be avoided, the alternative option to mitigate this risk is for a qualified building condition specialist or engineer to develop a strategy to carry out condition surveys and vibration monitoring, where required. The pre-condition survey may consist of screening activities to identify critical properties and determine appropriate vibration levels based on building type, age, and condition. Vibration monitoring may consist of random confirmatory vibration monitoring during pipeline installation at the most critical properties. A post-condition survey should be carried out on an as-needed basis to be determined by the qualified building condition specialist or engineer.

5.0 RECOMMENDATIONS

A total of 53 properties containing previously identified or potential built heritage resources or cultural heritage landscapes were determined to be situated within the Reinforcement/Supply Lateral section of the Study Area. Indirect impacts were identified for 16 previously identified or potential built heritage resource or cultural heritage landscape situated within 50 metres of planned construction activities and are at risk for potential indirect, vibration-related impacts, including:

- 2427 Queen Mary Street, Township of Cavan Monaghan (BHR-3)
- 2454 Queen Mary Street, Township of Cavan Monaghan (BHR-4)
- 2460 Queen Mary Street, Township of Cavan Monaghan (BHR-5)
- 2464 Queen Mary Street, Township of Cavan Monaghan (BHR-6)
- Shield Cemetery, Southeast corner of Queen Mary Street and Hayes Line, Township of Cavan Monaghan (BHR-7)
- 9 Emily Park Road, City of Kawartha Lakes (BHR-8)
- 133 Emily Park Road, City of Kawartha Lakes (BHR-10)
- 182 Emily Park Road, City of Kawartha Lakes (BHR-11)
- 620 Emily Park Road, City of Kawartha Lakes (BHR-19)
- 39 Centreline Road, City of Kawartha Lakes (BHR-21)
- 1884 Pigeon Lake Road, City of Kawartha Lakes (BHR-31)
- 2432 Pigeon Lake Road, City of Kawartha Lakes (BHR-37)
- 3269 County Road 36, City of Kawartha Lakes (BHR-41)
- 3362 County Road 36, City of Kawartha Lakes (BHR-43)
- 28 Boyd Street, City of Kawartha Lakes (CHL-2)
- 647 Golf Course Road, City of Kawartha Lakes (BHR-48)

The preferred option is to avoid properties containing previously identified or potential built heritages resource or cultural heritage landscapes by establishing a buffer zone around the resource to avoid construction activity with 50 metres of the built heritage resource or cultural heritage landscape. The preferred option should use appropriate preventative measures such as mapping on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid previously identified or potential built heritage resources or cultural heritage landscapes. Where avoidance is not feasible, the alternative option should be applied.

The alternative option to mitigate this risk is for a qualified building condition specialist or engineer to develop a strategy to carry out condition surveys and vibration monitoring, where required. The pre-condition survey may consist of screening activities to identify critical properties and determine appropriate vibration levels based on building type, age, and condition. Vibration monitoring may consist

of random confirmatory vibration monitoring during pipeline installation at the most critical properties. A post-condition survey should be carried out on an as-needed basis to be determined by the qualified building condition specialist or engineer.

5.1 POTENTIAL DISTRIBUTION SECTION

A total of 72 properties containing previously identified or potential built heritage resources or cultural heritage landscapes were determined to be situated within the potential distribution section of the Study Area. Indirect impacts were identified for 58 previously identified or potential built heritage resource or cultural heritage landscape situated within 10 metres of planned construction activities and are at risk for potential indirect, vibration-related impacts, including:

- 47 Mansfield Street, City of Kawartha Lakes (DBHR-2)
- 79 Sherwood Street, City of Kawartha Lakes (DBHR-3)
- 64 Sherwood Street, City of Kawartha Lakes (DBHR-4)
- 72 Sherwood Street, City of Kawartha Lakes (DBHR-5)
- 64 King Street West, City of Kawartha Lakes (DBHR-6)
- 54 King Street West, City of Kawartha Lakes (DBHR-7)
- 8 King Street West, City of Kawartha Lakes (DBHR-8)
- 3 King Street East, City of Kawartha Lakes (DBHR-9)
- 11 King Street East, City of Kawartha Lakes (DBHR-10)
- 49 King Street East, City of Kawartha Lakes (DBHR-11)
- 30 King Street East, City of Kawartha Lakes (DBHR-12)
- 90 Bolton Street, City of Kawartha Lakes (DBHR-13)
- 25 King Street West, City of Kawartha Lakes (DBHR-14)
- 53 King Street West, City of Kawartha Lakes (DBHR-15)
- 23 Mansfield Street, City of Kawartha Lakes (DBHR-16)
- 19 Mansfield Street, City of Kawartha Lakes (DBHR-17)
- 43 Sherwood Street, City of Kawartha Lakes (DBHR-19)
- 65 Bolton Street, City of Kawartha Lakes (DBHR-21)
- 45 Bolton Street, City of Kawartha Lakes (DBHR-22)
- 43 Bolton Street, City of Kawartha Lakes (DBHR-23)
- 39 Bolton Street, City of Kawartha Lakes (DBHR-24)
- 35 Bolton Street, City of Kawartha Lakes (DBHR-25)
- 35 William Street, City of Kawartha Lakes (DBHR-27)
- 19 William Street, City of Kawartha Lakes (DBHR-28)
- 44 William Street, City of Kawartha Lakes (DBHR-29)



- 4 Need Street, City of Kawartha Lakes (DBHR-30)
- 18 Need Street, City of Kawartha Lakes (DBHR-31)
- 32 Need Street, City of Kawartha Lakes (DBHR-32)
- 21 Canal Street East, City of Kawartha Lakes (DBHR-33)
- 44 Front Street East, City of Kawartha Lakes (DBHR-34)
- 20 Front Street East, City of Kawartha Lakes (DBHR-35)
- 4 Front Street East, City of Kawartha Lakes (DBHR-36)
- 9 Front Street West, City of Kawartha Lakes (DBHR-37)
- 119 Front Street West, City of Kawartha Lakes (DBHR-38)
- 39 Main Street, City of Kawartha Lakes (DBHR-39)
- 55 Main Street, City of Kawartha Lakes (DBHR-40)
- 138 Main Street, City of Kawartha Lakes (DBHR-42)
- 116 Main Street, City of Kawartha Lakes (DBHR-43)
- 72 Main Street, City of Kawartha Lakes (DBHR-44)
- 60 Main Street, City of Kawartha Lakes (DBHR-45)
- 54 Main Street, City of Kawartha Lakes (DBHR-46)
- 48-50 Main Street, City of Kawartha Lakes (DBHR-47)
- 40 Main Street, City of Kawartha Lakes (DBHR-48)
- 40 Head Street, City of Kawartha Lakes (DBHR-50)
- 34 Head Street, City of Kawartha Lakes (DBHR-51)
- 10 John Street, City of Kawartha Lakes (DBHR-52)
- 33 John Street, City of Kawartha Lakes (DBHR-53)
- 18 Joseph Street, City of Kawartha Lakes (DBHR-54)
- 22 Joseph Street, City of Kawartha Lakes (DBHR-55)
- 82 Joseph Street, City of Kawartha Lakes (DBHR-57)
- 55 Queen Street, City of Kawartha Lakes (DBHR-58)
- 140 North Street, City of Kawartha Lakes (DBHR-59)
- 25 North Street, City of Kawartha Lakes (DBHR-60)
- 35 North Street, City of Kawartha Lakes (DBHR-61)
- 53 Reid Street, City of Kawartha Lakes (DBHR-66)
- 82 Balaclava Street, City of Kawartha Lakes (DBHR-68)
- N/A—Verulam Cemetery, Balaclava Street, City of Kawartha Lakes (DBHR-69)
- 81-87 Dunn Street, City of Kawartha Lakes (DCHL-2)

The preferred option is to avoid properties containing previously identified or potential built heritages resource or cultural heritage landscapes by establishing a buffer zone around the resource to avoid construction activity with 10 metres of the built heritage resource or cultural heritage landscape. The preferred option should use appropriate preventative measures such as mapping on construction maps and temporary fencing. Staging and laydown areas should also be selected so that they are non-invasive and avoid previously identified or potential built heritage resources or cultural heritage landscapes. Where avoidance is not feasible, the alternative option should be applied.

The alternative option to mitigate this risk is for a qualified building condition specialist or engineer to develop a strategy to carry out condition surveys and vibration monitoring, where required. The pre-condition survey may consist of screening activities to identify critical properties and determine appropriate vibration levels based on building type, age, and condition. Vibration monitoring may consist of random confirmatory vibration monitoring during pipeline installation at the most critical properties. A post-condition survey should be carried out on an as-needed basis to be determined by the qualified building condition specialist or engineer.

5.2 DEPOSIT COPIES

To assist in the retention of historic information, copies of this report should be deposited with local repositories of historic material and municipalities. Therefore, it is recommended that this report be deposited at the following locations:

Lindsay Public Library
190 Kent Street West
Lindsay, Ontario K9V 2Y6

Cavan Monaghan Library, Millbrook Branch
1 Dufferin Street
Milbrook, Ontario L0A 1G0

6.0 CLOSURE

This report has been prepared for the sole benefit of Enbridge, and may not be used by any third party without the express written consent of Stantec Consulting Ltd. Any use which a third party makes of this report is the responsibility of such third party.

We trust this report meets your current requirements. Please do not hesitate to contact us should you require further information or have additional questions about any facet of this report.

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Stage 1 Archaeological Assessment: Bobcaygeon Community Expansion Project

Various Lots and Concessions, Geographical Townships of Emily and Verulam, Victoria County, Geographical Township of Harvey, Peterborough County, and Geographical Townships of Manvers and Cavan, Durham County, Ontario

August 26, 2022

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REVISED REPORT

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Land Acknowledgement

We respectfully and thoughtfully acknowledge that the Bobcaygeon Community Expansion Project resides on Michi Saagiig (commonly referred to as the Mississauga First Nations), Treaty 20 territory. Since time immemorial, these lands and waters were, and are today, the traditional territory of the Michi Saagiig and Chippewa Nations, collectively known as the Williams Treaties First Nations. This includes Curve Lake First Nation, Hiawatha First Nation, Alderville First Nation, Beausoleil First Nation, Chippewas of Georgina Island First Nation, Chippewas of Scugog Island First Nation, and Chippewas of Rama First Nation. Additionally, we would gratefully recognize that the Project area is also on the ancestral lands of the Huron Wendat Nation.

Executive Summary

Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project (“the Project”) to supply the community with affordable natural gas. The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and will consist of approximately 50 kilometres (km) of a combination 6-inch and 8-inch steel and plastic natural gas pipeline. Specifically, the Project is located within various lots in the geographical townships of Emily and Verulam, former Victoria County, geographical Township of Harvey, former Peterborough County, and the geographical townships of Manvers and Cavan, former Durham County. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS). The preliminary preferred route and potential alternative route are described below.

The proposed Project is divided into two components: the Supply Lateral, and the Reinforcement, each of which have two (2) routes being considered: one Preliminary Preferred Route (PPR) and one alternative route. For the Supply Lateral, both routes will start near Cowan’s Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channel. An alternate route is being considered which has a minor deviation east along Traceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon Lake Road. For the Reinforcement, both route options require the reinforcement portion which starts near the intersection of Marina Street and Peace Road, travels east on Peace Road and south on Emily Park Road to Stewarts Line where it will end. An additional reinforcement pipeline is required on Highway 35 between Bethany Hills Road and Mt Horeb Rd, with an alternate route along Mt. Horeb Road and St. Marys Road, ending at Bethany Hills Road.

Enbridge retained Stantec Consulting Ltd. (Stantec) to undertake an environmental study of the construction and operation of the proposed natural gas pipelines. As part of the environmental study, Stantec completed a Stage 1 archaeological assessment of the preferred and alternative routes for the project. This assessment was triggered by the Ontario Energy Board’s *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario - 7th Edition* and was completed with reference to the *Ontario Heritage Act*.



The Stage 1 archaeological assessment, involving background research and a property inspection, resulted in the determination that portions of the study area were observed to exhibit potential for the identification and recovery of archaeological resources. In accordance with Section 1.3.1 and Section 7.7.4 of the Ministry of Heritage, Sport, Tourism and Culture Industries' (MHSTCI) 2011 *Standards and Guidelines for Consultant Archaeologists*, **Stage 2 archaeological assessment is recommended for portions of the study area which have been identified as retaining archaeological potential.** Detailed recommendations can be found in the body of the report.

Portions of the Project study area have been subject to previous archaeological assessments The recommendations from those reports, both pertaining to the general Project study area and the preferred routing options, have been carried forward to this report.

With respect to the Lawrie (BcGp-1) site, the site retains cultural heritage value or interest. A Stage 2 archaeological assessment is recommended to relocate the site. The Stage 2 archaeological assessment will be conducted through test pit survey as outlined in Section 2.1.2 of the MHSTCI's 2011 *Standards and Guidelines for Consultant Archaeologists* (Government of Ontario 2011). The MHSTCI standards require that each test pit be at least 30 centimetres in diameter, excavated to at least five centimetres into subsoil, and have all soil screened through six-millimetre hardware cloth to facilitate the recovery of any cultural material that may be present. Prior to backfilling, each test pit will be examined for stratigraphy, cultural features, or evidence of fill.

If future construction is anticipated near the site before it has been subject to Stage 3 archaeological assessment and it is decided that the site will be avoided**, it is recommended that a temporary protective fence be installed 20 metres away from the site limits during future construction. The archaeological site and its protective buffer will be protected and no construction impacts will be allowed. This protective buffer will extend 20 metres past the limits of the Stage 2 artifact scatter. The construction monitoring zone ranging from 20 metres to 70 metres from the site will also be observed where a licensed archaeologist will be required to monitor any construction activities impacting that zone.**

The portion of the Project study area containing the Bobcaygeon River, Pigeon River, Sturgeon Lake, and Pigeon Lake may retain potential for the identification of marine archaeological resources (Figure 6). At this time, no construction impacts to the Bobcaygeon River, Pigeon River, Sturgeon Lake, or Pigeon Lake are anticipated as part of the Project. Thus, no marine archaeological assessment is required. However, if it is determined that in-water impacts to the Bobcaygeon River, Pigeon River, Sturgeon Lake, or Pigeon Lake will occur as part of the Project, it is recommended that potential for marine archaeological resources be evaluated using the MHSTCI's Criteria for Evaluating Marine Archaeological Potential Checklist.

In addition to the above, the Stage 1 archaeological assessment determined that there are areas within the study area which retain low to no archaeological potential. In accordance with Section 1.3.2 and Section 7.7.4 of the MHSTCI's 2011 *Standards and Guidelines for Consultant Archaeologists*, **Stage 2**



archaeological assessment is not required for portions of the study area which retain low to no archaeological potential.

Since even thorough archaeological assessments might miss some archaeological resources or relevant information, if any artifacts of Indigenous interest or human remains are encountered during the development of the subject property, please contact:

Curve Lake First Nation
Government Services Building
22 Winookeedaa Road
Curve Lake, Ontario K0L1R0
Tel: (705) 657-8045
E-mail: juliek@curvelake.ca

Nation Huronne-Wendat
Bureau du Nionwentsïo
255 Place Chef Michel Laveau
Wendake, Québec G0A 4V0
Tel: (418) 843-3767
E-mail: dominic.ste-marie@wendake.ca

Archaeological sites recommended for further archaeological fieldwork or protection remain subject to Section 48(1) of the *Ontario Heritage Act* and may not be altered, or have artifacts removed from them, except by a person holding an archaeological license.

The MHSTCI is asked to accept this report into the Ontario Public Register of Archaeological Reports.

Project Personnel

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Acknowledgements

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1.0 PROJECT CONTEXT

1.1 DEVELOPMENT CONTEXT

Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project (“the Project”) to supply the community with affordable natural gas. The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and will consist of approximately 50 kilometres of a combination 6-inch and 8-inch steel and plastic natural gas pipeline (Figure 1). Specifically, the Project is located within various lots in the geographical townships of Emily and Verulam, former Victoria County, geographical Township of Harvey, former Peterborough County, and the geographical townships of Manvers and Cavan, former Durham County (see Section 1.22 for specific lots and concessions). The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS). The preliminary preferred route and potential alternative route are described below.

The proposed Project is divided into two components: the Supply Lateral, and the Reinforcement, each of which have two (2) routes being considered: one Preliminary Preferred Route (PPR) and one alternative route. For the Supply Lateral, both routes will start near Cowan’s Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channel. An alternate route is being considered which has a minor deviation east along Traceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon Lake Road. For the Reinforcement, both route options require the reinforcement portion which starts near the intersection of Marina Street and Peace Road, travels east on Peace Road and south on Emily Park Road to Stewarts Line where it will end. An additional reinforcement pipeline is required on Highway 35 between Bethany Hills Road and Mt Horeb Road, with an alternate route along Mt. Horeb Road and St. Marys Road, ending at Bethany Hills Road.

Enbridge retained Stantec Consulting Ltd. (Stantec) to undertake an environmental study of the construction and operation of the proposed natural gas pipelines. As part of the environmental study, Stantec completed a Stage 1 archaeological assessment of the preferred and alternative routes for the project. This assessment was triggered by the Ontario Energy Board’s (OEB) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario - 7th Edition* (OEB 2016) and was completed with reference to the *Ontario Heritage Act* (Government of Ontario 1990a).

1.1.1 Objectives

The objectives of the Stage 1 assessment were to compile available information about the known and potential archaeological resources within the study area and to provide specific direction for the protection, management and/or recovery of these resources. In compliance with the provincial standards and guidelines set out in the Ministry of Heritage, Sport, Tourism and Culture Industries’ (MHSTCI) 2011 *Standards and Guidelines for Consultant Archaeologists* (Government of Ontario 2011), the objectives of the Stage 1 Archaeological Overview/Background Study are as follows:

- To provide information about the study area’s geography, history, previous archaeological fieldwork, and current land conditions.

- To evaluate the study area's archaeological potential which will support recommendations for Stage 2 survey for all or parts of the property.
- To recommend appropriate strategies for Stage 2 survey.

To meet these objectives, Stantec archaeologists employed the following research strategies:

- A review of relevant archaeological, historic, and environmental literature pertaining to the study area.
- A review of the land use history, including pertinent historic maps.
- An examination of the Ontario Archaeological Sites Database (ASDB) to determine the presence of known archaeological sites in and around the study area.
- A site visit to document existing ground conditions and confirm and presence or absence of features of archaeological potential.

Permission for Stantec staff to conduct archaeological field work was provided by Enbridge. The property inspections occurred in publicly accessible lands and no specific landowner permission to access was required.

1.2 HISTORICAL CONTEXT

1.2.1 Post-contact Indigenous Resources

"Contact" is typically used as a chronological benchmark when discussing Indigenous archaeology in Canada and describes the contact between Indigenous and European cultures. Contact in what is now the province of Ontario is broadly assigned to the 16th century (Loewen and Chapdelaine 2016).

During the early post-contact period the north shore of Lake Ontario was occupied by two distinct peoples with different cultural traditions: the Michi Saagiig Nishnaabeg (Mississauga Anishinaabeg) and the Huron-Wendat. It has long been the understanding of archaeologists that prior to the 16th century the north shore of Lake Ontario was occupied by Iroquoian-speaking populations (Birch and Williamson 2013; Birch 2015; Dermarkar et al. 2016). Traditionally, the Huron-Wendat were farmers and fishermen-hunter-gatherers with a population of between 30,000 and 40,000 individuals. The Huron-Wendat traveled widely across a territory stretching from the Gaspé Peninsula in the Gulf of Saint Lawrence, along both sides of the Saint Lawrence River, and throughout the Great Lakes. The Huron-Wendat were, and continue to be, intimately linked to the Saint Lawrence River and its estuary, which is the main route of its activities and way of life. The Huron-Wendat formed alliances and traded goods with other Indigenous partners among the networks that stretched across the continent, and later incorporated the French into that trading network.

Recently, the direct correlation in Ontario between archaeology and ethnicity, and especially regional identity, has been questioned (cf. Fox 2015:23; Gaudreau and Lesage 2016:9-12; Ramsden 2016:124). Recent considerations of Indigenous sources on cultural history have led to the understanding that prior to the 16th century the north shore of Lake Ontario was co-habited by Iroquoian and more mobile Anishnaabeg populations (Kapyrka 2018), the latter of whom have not been represented in previous analyses of the archaeological record and most likely left a more ephemeral archaeological record than that of more densely populated agricultural settlements (cf. Appendix A). The apparent void of semi-permanent village settlement along the north shore of Lake Ontario continued through the first half of the 17th century; however, this does not preclude the occupation of the region by mobile Anishnaabeg

peoples. Both Huron and Mississauga traditional history indicate that the Huron-Wendat and Mississauga cohabited the region (Kapyrka 2018).

The Mississauga traditional homeland stretched along the north shore of Lake Ontario and its tributary rivers from present-day Gananoque in the east to Long Point on Lake Erie in the west. In the winter the communities dispersed into smaller groups and travelled in-land to the north, to the area around present-day Bancroft and the Haliburton Highlands. Mississauga oral history relates that their ancestors occupied this part of southern Ontario from the time of the last deglaciation and continued to occupy it up to the start of the Contact period (Kapyrka 2018).

The Mississauga traditional territory was located between two powerful confederacies, the Three Fires Confederacy (consisting of the Odawa, Ojibwa and Pottawatomi) located to the north and west, and the Haudenosaunee (Five Nations Iroquois) Confederacy on the south shore of Lake Ontario in present-day New York State. In this geo-political context, the Mississauga acted as peacekeepers among the various Indigenous nations, acting as negotiators and emissaries (Kapyrka 2018).

By the turn of the 16th century, the region of the study area appears to have been abandoned of semi-permanent village settlement. In 1649, the Seneca, with the Mohawk, led a campaign to the north shore of Lake Ontario and dispersed the Huron-Wendat, Tionontate (Petun) and Attiwandaron (Neutral) Nations (Trigger 1978:354-356). At this time the semi-permanent settlements associated with the ancestral Huron-Wendat (the Huron) were abandoned and the Mississauga retreated from the area along the north shore of Lake Ontario into the hinterlands of their territory, waiting until the conflicts had ended and the political situation had stabilized before returning (Heidenreich 1990; Kapyrka 2018; Ramsden 1990).

After 1650 a series of villages affiliated with the Five Nations Iroquois were established along the north shore of Lake Ontario and through the Trent Valley. Four of those villages were located around the study area, including: the Cayuga villages of Quinte (Keint-he), located near the mouth of the Trent River at Trenton, Ganaraske, located at the mouth of the Ganaraska River at Port Hope, and Quintio, located on Rice Lake; and the Oneida village of Ganneious, located on the Bay of Quinte near the mouth of the Napanee River (Konrad 1981). Travel along the north shore of Lake Ontario and the connecting rivers occurred frequently.

In 1667, surviving Huron Wendat warriors joined alliance with the French-allied Ojibwa and Mississaugas to counterattack the Iroquois who had settled along the north shore of Lake Ontario. By 1690, Ojibwa (Anishinaabe) speaking people had begun moving south into the lower Great Lakes basin (Konrad 1981; Rogers 1978). Mississauga oral traditions, as told by Chief Robert Paudash and recorded in 1905, indicate that after the Mississauga defeat of the Mohawk Nation the Mohawk retreated to their homeland south of Lake Ontario and a peace treaty was negotiated between those groups around 1695 (Paudash 1905). Upon the Mississaugas' return they decided to settle permanently in southern Ontario and began to reestablish their role as peacekeepers in the region, extending that to include the incoming Euro-Canadian settlers (Curve Lake First Nation no date [n.d.]; Kapyrka 2018). The Huron-Wendat permanently left the region, moving to the east in Quebec and to the southwest in the present-day United States.

Project Context

Since contact with European explorers and immigrants, and, later, with the establishment of provincial and federal governments (the Crown), the lands within Ontario have been included in various treaties, land claims, and land cessions. Though not an exhaustive list, Morris (1943) provides a general outline of some of the treaties within the Province of Ontario from 1783 to 1923. Based on Morris (1943), the study area falls within the boundaries of the Crawford's Purchases, Williams Treaty, and Rice Lake Treaty.

The Crawford's Purchases treaty areas (indicated by B1 and B2 on Figure 2) include two separate treaties. The first, negotiated in 1783 contained land that ran "...from the mouth of the Gananoque River to the mouth of the Trent River was purchased from the Mississaug[a]... [and] includes the southern portions of the Counties of Hastings, Lennox and Addington, and Frontenac" (Morris 1943:16-17. A second treaty, from 1787, added land "…from the mouth of the Trent River to [the] Toronto Purchase and back from Lake Ontario to Lake Simcoe and Rice Lake was purchased from the Mississa[auga].[and] includes the County of Northumberland, excepting the northeast corner, Durham, the southern part of Ontario, and the east part of York" (Morris 1943:16-17). The 1787 treaty, sometimes known as the "Gunshot Treaty", was negotiated at Carrying Place.

The study area is also situated within lands governed by the 1818 Rice Lake Treaty (Treaty No. 20). The area of the Rice Lake Treaty, indicated by the letter Q on Figure 2, which allowed for the initial settlement of Peterborough County, begins

> *"…at the northwest angle of the Township of Rawdon; then north 16 degrees west, 33 miles or until it strikes the line forty-five; then along said line to a Bay at the northern entrance of Lake Simcoe; then southerly along the waters edge to the entrance of Talbot River; thence up Talbot River to the eastern boundary line of the Home District; thence along said boundary line south 16 degrees east to the south west angle of the Township of Darlington; then along the northern boundary line of the Township of Darlington, Clarke, Hope and Hamilton to Rice Lake; then along the southern shore of said lake and of the River Trent to the Western Division Line of the Midland District; then north 16 degrees west to the place of beginning."*
>
> (Morris 1943:24)

The study area also falls within the territory of the seven Anishnaabeg First Nations which are signatories to the Williams Treaties. These include the Mississaugas of Alderville First Nation, Curve Lake First Nation, Hiawatha First Nation, Scugog Island First Nation, the Chippewas of Beausoleil First Nation, Georgina Island First Nation, and the Rama First Nation (Williams Treaties First Nations 2022). The Williams Treaty (shown as AG on Figure 2) between the Crown and the Anishnaabeg First Nations in this area are part of "[t]hree separate and large parcels of land in southern and central Ontario…acquired by the Government of Canada in 1923" (Surtees 1986:1). This particular parcel includes parts of:

> *… the Counties of Northumberland, Durham, Ontario and York...[c]ommencing at the point where the easterly limit of that portion of the lands said to have been ceded...[as part of Treaty Number 13] intersects the northerly shore of Lake Ontario; thence northerly along the said easterly and northerly limits of the confirmed tract to the Holland River; thence northerly along the Holland River and along the westerly shore of Lake Simcoe and Kempenfeldt Bay to the narrows between Lake Couchiching and Lake Simcoe; thence south easterly along the shores of Lake Simcoe to the Talbot River; thence easterly along the Talbot River to the boundary*

> *between the Counties of Victoria and Ontario; thence southerly along that boundary to the north west angle of the Township of Darlington; thence along the northern boundary of the Township of Darlington, Clarke, Hope and Hamilton to Rice Lake; thence along the southern shore of said Lake to River Trent, and along the River Trent to Bay of Quinte; thence westerly and southerly along the shore of the Bay of Quinte to the road leading to Carrying Place and Wellers Bay; then westerly along the northern shore of Lake Ontario to the place of beginning.*
>
> (Morris 1943:62)

It is also worth noting that this area also "included substantial portions of land that had been the object of previous land cession treaties" (Surtees 1986:1).

1.2.2 Euro-Canadian Resources

In 1791, the Provinces of Upper Canada and Lower Canada were created from the former Province of Quebec by an act of British Parliament (Craig 1963:17). At this time, Colonel John Graves Simcoe was appointed as the Lieutenant Governor of Upper Canada and was tasked with governing the new province, directing its settlement and establishing a constitutional government modelled after that of Britain (Coyne 1895). The change was affected at the behest of United Empire Loyalists who wished to live under the British laws and customs they were familiar with in Great Britain and the former 13 Colonies (Craig 1963:10-11). John Graves Simcoe had ambitious plans to create a model British society in North America, stating a desire to "inculcate British customs, manners, and principles in the most trivial, as well as most serious matters" in Upper Canada (Craig 1963:21). At its inception, Upper Canada was only sparsely settled by Europeans and the land had not been officially surveyed to any great extent. Thus, there was an urgency to survey this new province in order to establish military roads and to prevent settlers from clearing and settling land not legally belonging to them. In 1792, Simcoe divided Upper Canada into 19 counties consisting of previously settled lands, new lands opened for settlement, and lands not yet acquired by Crown. These new counties stretched from Essex in the west to Glengarry in the east.

1.2.2.1 Victoria County

Geographic Township of Verulam

Before the Township of Verulam was surveyed a trader by the name of Billy McDeough had set up on the present-day site of Bobcaygeon to trade goods with the local Mississaugas (Kirkconnell 1921). After lands in Verulam came to market in 1832, so much of it was acquired by land speculators that settlement within the township was hampered for several years, including limiting the construction of less than 20 miles of wagon roads by 1860 (Belden 1881). Early settlers along the north shore of Sturgeon Lake in Verulam included retired army and navy officers and other English gentry (Kirkconnell 1921). Since the land in Verulam Township is suitable but not ideal for agriculture, the population growth and rural development remained low in the vicinity of the project, with the notable exception of the Town of Bobcaygeon.

In 1832 Thomas Need was granted 400 acres of land on and adjacent to Bobcaygeon Island (Kirkconnell 1921). In the beginning Need built a sawmill, and afterwards a grist mill and store (Kirkconnell 1921). A town site was initially laid out on the north bank of the Bobcaygeon River but Need had the island



surveyed and laid out and the town developed both on and off of Bobcaygeon Island. In 1844 Need sold all of his interests to Mossum Boyd, and he left Bobcaygeon (Kirkconnell 1967).

The first canal and lock to allow navigation between Pigeon and Sturgeon Lakes was undertaken as early as 1834 but was not completed until 1840 (Kirkconnell 1967). The canal ran approximately a half mile (or about three-quarters of a kilometre) (Belden 1881). The lock was rebuilt in 1857 and again in 1921. This lock and canal were incorporated into the Trent-Severn Canal system.

The original survey map of Verulam Township (Huston 1823) does not contain a great deal of detail beyond the surveyed lot and concession lines. There is no indication of Indigenous settlements or early unauthorized European settlers on the survey map. The river network is depicted, including a notation that the Pigeon River was navigable to Manvers, and marshland, indicated by stippling, is illustrated along surveyed lot and concession lines, including at the southeast corner of the township (Huston 1823). Kains' (1877) map of Victoria County indicates the names of landowners and the location of houses, orchards, public buildings, and industrial buildings (Figure 3). Belden's 1881 *Victoria Supplement in Illustrated Atlas of the Dominion of Canada* depicts a developed township with established road and rail networks (Figure 4). A small number of landowners and buildings are illustrated on the atlas, some of them within the Project study area. Table 1 details the landowners and historical features for each lot and concession (Con.) within the Project study area from the 1877 and 1881 mapping.

Table 1: Property Owners and Historical Features Depicted on Historical Mapping of Verulam Township

Lot	Con.	1877			1881		
		Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
19	10	Whole lot	James McConnell	House and orchard	Whole lot	None given	None indicated
18		North ½ South ½	J.L. Read Bow Park	None indicated House	Whole lot	None given	None indicated
17		Whole lot	Town of Bobcaygeon	Town area, roads, church	Whole lot	Town of Bobcaygeon	Town area, roads
16		Whole lot	Town of Bobcaygeon	Town area, roads, dam	Whole lot	Town of Bobcaygeon	Town area, roads
15		Whole lot	Town of Bobcaygeon	Town area, roads, schoolhouse	Whole lot	Town of Bobcaygeon	Town area, roads
14		Whole lot	M. Boyd	None indicated	Whole lot	None indicated	None indicated
13		Whole lot	C. Fairbairn	House and orchard	Whole lot	Chas. Fairbairn	House
12		Whole lot	C.E. Bonnell, MD	House	Whole lot	None given	None indicated
11		Whole lot	C. Dunsford	None indicated	Whole lot	None given	None indicated
10		West ½ East ½	S.P. Dunn M. McConnell	None indicated None indicated	Whole lot	Hy. Dunn	House

Lot	Con.	1877			1881		
		Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
9		Whole lot	W. Argue	House and orchard	Whole lot	None given	None indicated
8		Whole lot	W. Morrow	None indicated	Whole lot	None given	None indicated
7		North 1/2 SW quarter SE quarter	?. Scott A. Dunbar D. Hunter Sr.	None indicated None indicated None indicated	Whole lot	None given	None indicated
6		West ½ East ½	A. Dunbar D. Hunter Sr.	House and orchard None indicated	Whole lot	None given	None indicated
5		West ½ East ½	W. White M. Boyd	None indicated Road (present day Old Survey Line Road)	Whole lot	Jos. White	Road (present day Old Survey Line Road)
4		North ½ South ½	W.S. Hunter D. Hunter	Road (present day Old Survey Line Road) House and orchard; road (present day Old Survey Line Road)	Whole lot	None given	Road (present day Old Survey Line Road)
3		North ½ South ½	Mrs. P. Harkness J.C. Robinson	House; road (no longer extant) House; road (no longer extant)	Whole lot	None given	Road (no longer extant)
2		Whole lot	N. Nichols	House; road (no longer extant)	Whole lot	None given	Road (no longer extant)
1		Whole lot	H. Gillice	House; schoolhouse Number 5	Whole lot	None given	Schoolhouse
19	9	North ½ South ½	W. Kelso A. Kelso	None indicated None indicated	Whole lot	None given	None indicated
18		North ½ South ½	A. Kelso J. Kelso Jr.	None indicated House and orchard	Whole lot	None given	None indicated
17		West ½ East ½	J. Kelso Sr. J. Kelso Jr.	Town area, roads, telegraph line	East ½ West ½	J. Kelso Sr. None indicated	House None indicated
16		West ½ East ½	J. Kelso Sr. Town of Bobcaygeon	Town area, roads	Whole lot	Town of Bobcaygeon	Town area, roads
15		West ½ East ½	J. Kelso Sr. M. Boyd	Town area, roads, schoolhouse Grist and saw mills	Whole lot	None given	None indicated
14		South part	H.T. Wickham	None indicated	Whole lot	None given	None indicated

Project Context

Lot	Con.	1877			1881		
		Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
13		West ½ East ½	G. Dunsford H. Rapley	None indicated House, orchard	Whole lot	None given	None indicated
12		West ½ East ½	C. Thurston M. Boyd	House None indicated	Whole lot	None given	None indicated
11		West ½ East ½	None indicated T. Argue	School house House	Whole lot	None given	School house
10		West ½ East ½	W. Thurston Mrs. Taylor	House, orchard House, orchard	Whole lot	Wm. Thurston	House
9		West ½ East ½	Geo. H. Dunn J. Stacey	None indicated House, orchard	Whole lot	None given	None indicated
8		West ½ East ½	J. Middleton Geo. H. Dunn	None indicated None indicated	Whole lot	Wm. McGregor	House
7		West ½ Central part East ½	J. Middleton M. Boyd J. Simpson	None indicated None indicated None indicated	Whole lot	None given	None indicated
6		Whole lot	J. Simpson	None indicated	Whole lot	None given	None indicated
5		Whole lot	J. Davidson	House and orchard	Whole lot	None given	None indicated
4		Whole lot	Jos. Davidson	House	Whole lot	None given	None indicated
3		North ½ South ½	T. Corbel R. White	House and orchard House	North half South half	T. Corbel R. White	House House
2		Whole lot	G. Simpson	House and orchard	Whole lot	Geo. Simpson	House
1		West half East half	G. Hunter J. Quigley	House House	Whole lot	Geo. White	House
17	8	NW ¼ SW ¼ East ½	Jas. Martin Wm. Martin J. Patterson	House, orchard House, orchard House, orchard	Whole lot	None given	None indicated
16		North ½ South ½	Jos. Finlay Wm. Finlay	None indicated None indicated	Whole lot	None given	None indicated
15		Whole lot	None indicated	None indicated	Whole lot	None given	None indicated

Geographic Township of Emily

Emily Township was named after Emily Charlotte, daughter of Lord George Lennox and sister of the Governor General of Canada. The township was opened for settlement in 1821, though Maurice Cottingham and others visited the township in 1820 to clear brush. In 1821, Cottingham returned and built a log cabin on his property near where the village of Omemee would eventually be located. That same



year a group of 400 Protestant Irish arrived and settled in the southern half of the township. In 1825, Cottingham erected a mill beside Pigeon Creek. That same year saw the arrival of roughly 700 Catholic Irish settlers, who settled in the north half of the township (Kirkconnell 1921).

The village of Omemee originated as a mill built by William Cottingham in 1821. The importance of the mill increased with the influx of settlers in 1825. A store was built in 1826 and a post office and school in 1835. The village was originally known as Williamstown, then changed to Metcalfe in the 1840's, and Omemee in the 1850's. The Port Hope, Lindsay, and Beaverton Railway was built through the township in 1857. The station was built at a distance from the village, although in time the village grew to surround the station. Omemee was incorporated as a village in 1874. Omemee reached a peak population of 835 in 1878. By 1920, the population had decreased to 467 (Kirkconnell 1921).

The available 1819 survey map of Emily Township (Wilmot 1819) does not depict any landowners. The river network is illustrated and marshland, indicated by stippling, is also illustrated along surveyed lot and concession lines. There is no indication of Indigenous settlements or early unauthorized European settlers on the survey map. Kains' (1877) map of Victoria County indicates the names of landowners and the location of houses, orchards, public buildings, and industrial buildings (Figure 5). Belden's 1881 *Victoria Supplement in Illustrated Atlas of the Dominion of Canada* depicts a developed township with established road and rail networks (Figure 6). A small number of landowners and buildings are illustrated on the atlas; however, none of them are within the Project study area. Table 2 details the landowners and historical features for each lot and concession within the Project study area from the 1877 and 1881 mapping.

Table 2: Property Owners and Historical Features Depicted on Historical Mapping of Emily Township

Lot	Con.	1877			1881		
		Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
20	14	West ½ East ½	Mar Devin Jos. Hunter	None given house	Whole lot	None given	None indicated
21		Whole lot	M. O'Neil	Portion of present-day Pigeon Lake Road	Whole lot	None given	None indicated
22		Northeast ¼ South and east ¾	H. McLaughlin None indicated	House and orchard None indicated	Whole lot	None given	None indicated
23		West part	None indicated	Mostly swamp	Whole lot	None given	None indicated
23	13	West part	None indicated	Mostly swamp	Whole lot	None given	None indicated
22		Whole lot	T. Collin	House	Whole lot	None given	None indicated
21		North ½ South ½	A. Brennan M. Devin	House House and orchard	Whole lot	None given	None indicated
20		North ½ Southwest ¼ Southeast ¼	T. Brennan Mrs. Donovan J. King	House None indicated None indicated	Whole lot	None given	None indicated

STAGE 1 ARCHAEOLOGICAL ASSESSMENT: BOBCAYGEON COMMUNITY EXPANSION PROJECT

Project Context

Lot	Con.	1877			1881		
		Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
23	12	West part	None indicated	Mostly swamp	Whole lot	None given	None indicated
22		Water lot	n/a	n/a	Water lot	n/a	n/a
21		North ½ South ½	John Sullivan R. Owens	West pier of "Floating Bridge" None indicated	Whole lot	None given	None indicated
20		North ½ South ½	Wm. Herlihey R. Perdue	None indicated House	Whole lot	None given	None indicated
19		Northeast ¼ Southeast ¼ West ½	J. Owens D. Owens Jas. Toomy	None indicated House and orchard House	Whole lot	None given	None indicated
18		North ½ South ½	Wm. Herlihey Al Hodge	None indicated None indicated	Whole lot	None given	None indicated
17		NW ¼ NE ¼ South ½	Thos. Dwyer H. Fitzgerald F. Duffy	None indicated None indicated None indicated	Whole lot	None given	None indicated
22	11	West part	None indicated	Mostly swamp	Whole lot	None given	None indicated
21		East part	None indicated	Mostly swamp	Whole lot	None given	None indicated
20		North ½ South ½	H. Fitzgerald Swamp	House None indicated	Whole lot	None given	None indicated
19		East ½ Northwest ¼ Southwest ¼	T. Crowley Mar. Devin J. Guiry	House and orchard None indicated None indicated	Whole lot	None given	None indicated
18		North ¼ Central ¼ South ½	John Lee Wm. Lundy Wm. Hennessey	House and orchard None indicated House	Whole lot	None given	None indicated
17		North ½ South ½	Garrett Guiry Pat Guiry	None Indicated House	Whole lot	None given	None indicated
16		North ¼ Central ¼ South ½	T. Crimmon Thos. Garvey Garrett Guiry	None Indicated None Indicated None Indicated	Whole lot	None given	None indicated
15		South and east ¾ Northwest ¼	J. Guiry Mrs. Scully	Schoolhouse No. 6 None indicated	Whole lot	None given	School house Number 6
14		North ¼ Central ¼ South ½	M. Dorgan Tim Dorgan Mrs. Scully	House and orchard None indicated House	Whole lot	None given	None indicated
13		North ¾ South ¼	M. O'Neil John Hobem	House and orchard House	Whole lot	None given	None indicated

Lot	Con.	1877			1881		
		Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
12		North ½ South ½	M. O'Neil M. Finn	None indicated House	Whole lot	None given	None indicated
11		West 1/3 East 2/3	Mrs. C Melaney Canada Land Co.	None indicated None indicated	Whole lot	None given	None indicated
20	10	Whole lot	None indicated	Mostly swamp	Whole lot	None given	Mostly swamp
19		Whole lot	Mrs. C. Melaney	Mostly swamp	Whole lot	None given	Mostly swamp
18		North ½ South ½	Neil Hennessy Tim Morrissey	House, orchard None indicated	Whole lot	None given	None indicated
17		North ½ South ½	Pat Guiry Tim Morrissey	Orchard House and orchard	Whole lot	None given	None indicated
16		North ½ Southeast ¼ Southwest ¼	J, Guiry Den. Begley Dan Begley	House House House	Whole lot	None given	None indicated
15		North ½ South ½	Garrett Guiry T. Flinn	None indicated House and orchard	Whole lot	None given	None indicated
14		East ½ Northwest ¼ Southwest ¼	Ed. Morrissey T. Flinn D. Fitzpatrick	None indicated None indicated None indicated	Whole lot	None given	None indicated
13		All but SW corner SW Corner	J. Callaghan None indicated	Orchard House in SW lot	Whole lot	None given	None indicated
12		North ½ South ½	O. O'Brien Mrs. Hennessy	None indicated House	Whole lot	None given	None indicated
11		North ½ South ½	O. O'Brien J. Owens	None indicated House and orchard	Whole lot	None given	None indicated
19	9	Whole lot	None indicated	Mostly swamp	Whole lot	None given	Mostly swamp
18		Whole lot	Rev. J. Vicars	Mostly swamp	Whole lot	None given	None indicated
17		Whole lot	Rev. J. Vicars	None indicated	Whole lot	None given	None indicated
16		East ½ West ½	H. O'Leary Jer. Shea	None indicated House	Whole lot	None given	None indicated
15		North ½ South ½	Ed. Herlihey J. Brown	House and orchard House	Whole lot	None given	None indicated
14		North ½ South ½	Ed. Morrissey M. Fitzpatrick	House and orchard House	Whole lot	None given	None indicated
13		North ½ South ½	D. Callaghan Ed. Morrissey	House None indicated	Whole lot	None given	None indicated
12		North ½ South ½	O. O'Brien Den. Clancy	House None indicated	Whole lot	None given	None indicated

Project Context

Lot	Con.	1877			1881		
		Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
11		West ½ East ½	Pat Clancy Den. Clancy	House and orchard House	Whole lot	None given	None indicated
17	8	Whole lot	M. Lows	Mostly swamp	Whole lot	None given	Mostly swamp
16		Whole lot	H. O'Leary	Mostly swamp	Whole lot	None given	None indicated
15		North ½ South ½	P. Duffy None Indicated	House Mostly swamp	Whole lot	None given	None indicated
14		Northeast ¼ Southeast ¼ West ½	Alb. Coles T. Matchet Wm. Spencer Jr.	House House None indicated	Whole lot	None given	None indicated
13		East ¾ West ¼	Wm. and J. O'Brien H. Meadows	House None indicated	Whole lot	None given	None indicated
12		North ½ South ½	D. Fitzpatrick H. Meadows	House None Indicated	Whole lot	None given	None indicated
11		West ½ East ½	M. Carroll J. Birney	None Indicated None Indicated	Whole lot	None given	None indicated
14	7	North ½ Southwest ¼ Southeast ¼	T. Matchet Jos. Smith J. Kirkpatrick	None indicated House House	Whole lot	None given	None indicated
13		North ½ Southwest ¼ Southeast ¼	Wm. Matchell T.W. Blackwell Thos. Fee	None Indicated None Indicated None Indicated	Whole lot	None given	None indicated
12		Northwest ¼ Southwest ¼ East ½	Mrs. Venatte Gus Wood H. Meadows	Part of present day Centreline Road House; part of present day Centreline Road Part of present day Centreline Road	Whole lot	None given	None indicated
11		North ½ South ½	F. McMahon J. Atwell	None indicated House and orchard; art of present day Peace Road	Whole lot	None given	None indicated
10		North and west ¾ Southeast ¼	J. Bailey A. Brownson	Part of present day Peace Road Part of present day Peace Road	Whole lot	None given	None indicated
9		North ½ South ½	Wm. Miller A.D. Spence	House House and orchard	Whole lot	None given	None indicated

Project Context

Lot	Con.	1877			1881		
		Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
14	6	West ½ NE 2/3 SE 1/3	J. Lowes M. Lowes S. Lowes	House, orchard House None indicated	Whole lot	None given	None indicated
13		North ½ South ½	W.H. Mitchel S. Stinson	House House	Whole lot	None given	None indicated
12		Northwest ¼ Northeast ¼ South ½	(..) McQuade T. Fee A. Wilson	Road from Cowan's Bridge Road bisects lot House and orchard; road from Cowan's Bridge	Whole lot	None given	Cowans Bridge
11		Whole lot	A. Wilson	None indicated	Whole lot	None given	None indicated
10		Whole lot	Pt. Collingham Est.	None Indicated	Whole lot	None given	None indicated
9		North ½ South ½	J. Bailey (….) (..)uade	House None identifiable	Whole lot	None given	None indicated
14	5	West ½ Northeast ¼ Southeast ¼	T. Germaine S, Lowes Mary Hamilton	House House and orchard House and orchard	Whole lot	None given	None indicated
13		North ½ South ½	J. Foxe J.J. Blackwell	House and orchard House and orchard	Whole lot	None given	None indicated
12		Whole lot	Thos. Fee	House and orchard	Whole lot	None given	None indicated
11		Whole lot	Ar. McQuade M.P.	None indicated	Whole lot	None given	None indicated
14	4	North ½ South ½	Mary Hamilton T. Mitchell	None indicated House and orchard ("Cedardale")	Whole lot	None given	None indicated
13		Northwest ¼ Southwest ¼ East ½	Z. Mitchel R. Henderson J. Mitchel	None indicated House and orchard House and orchard	Whole lot	None given	None indicated
12		North ¼ Central ¼ South ½	T.W. Blackwell A. McQuade W. Trotter	School house No.8 None indicated House, orchard, cemetery, telegraph line	Whole lot	None given	School house Number 8; cemetery
11		Northwest ¼ Northeast ¼ South ½	Ar, McQuade M.P. None indicated None indicated	House and orchard House House, two orchards	Whole lot	None given	None indicated
14	3	North ½ South ½	Hum. Jones Chas. Mills	House and orchard House and orchard	Whole lot	None given	None indicated

Project Context

Lot	Con.	1877			1881		
		Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
13		Northwest ¼ East ¼ Southwest ¼ East ¾	T. Mitchel H. Sheridan I. Mitchel Rob. McConnel	None indicated None indicated None indicated House and orchard	Whole lot	None given	None indicated
12		North ¼ Central ¼ South ½	Rob. Henderson W. Troller Wm. Morton	House and orchard House and orchard House and orchard	Whole lot	None given	None indicated
11		Northwest ¼ NW Corner Southeast ¼ South ½	T. Stevenson W.C. M. McElwain Is. Thornton	House and orchard House House House	Whole lot	None given	None indicated
14	2	North ½ Southwest ¼ Southeast ¼	H. Mitchel Jas. Fee W. Best J.P.	House and orchard None indicated None indicated	Whole lot	None given	None indicated
13		North ½ South ½	H. Mitchel Jas. Fee	House House and two orchards	Whole lot	None given	None indicated
12		North ¼ North central ¼ South central ¼ South ¼	J. Lawrence H. Col(….) Geo. Ellson Jas. Fee	House Orchard House Orchard	Whole lot	None given	None indicated
11		North ½ South ½	J. Widdis Ed. Sheridan	House and orchard House	Whole lot	None given	None indicated
14	1	North ½ South ½	W. Best J.P. J. Best	House and orchard House and orchard	Whole lot	Valentine Best	House and orchard
13		North ½ South ½	J. H. Best Ham. T. Best	House and orchard None indicated	Whole lot	None given	None indicated
12		Northeast ¼ Southeast ¼ Northwest 1/3 West central South portion	S. Jamieson Ham. T. Best S. Jamieson (…..)est, J.P. C.P.C.	Orchard; church and cemetery House and orchard School house # 9 None Indicated None Indicated	Whole lot	None given	School house Number 9; cemetery
11		North ½ South ½	C. Fee W. Best J.P.	House House and orchard	Whole lot	Samuel H. Best	House

Geographic Township of Ops

Ops Township was surveyed by Colonel Duncan McDonnell in 1825. During that survey, Lots 20 and 21 of Concession 5 were reserved as a town site. This site would eventually become the Town of Lindsay. The first settler in the area was Patrick Connell, who settled on Lot 7, Concession 4. The founders of Lindsay were William Purdy and his two sons Jesse and Hazard. In 1827, the Purdys were hired by the government to build a dam on the Scugog River at the Lindsay town site and build a sawmill and grist mill on parts of Lots 20 and 21, Concession 6 (Kirkconnell 1921).

In 1834, John Huston came to Lots 20 and 21, Concession 5 with a small party in order to lay out the town site into streets and lots. One of Huston's men, Lindsay, was accidentally killed during the survey and the town was named after him on the plan (Kirkconnell 1921). Settlement of the town was slow but steady and Lindsay had a population of 300 in 1851. Settlement and business increased with the presence of the railway and the use of steamboats along the Scugog River. Lindsay was incorporated as a town in 1857 (Kirkconnell 1921). The Town of Lindsay saw an increase in growth with the addition of a number of commercial and industrial businesses, such as lumber, brickmaking, iron-working, several manufacturers and numerous stores. By 1921, Lindsay had a population of 8,025 (Kirkconnell 1921). In 2001, the Town of Lindsay was merged with Victoria County to form the City of Kawartha Lakes.

The survey map of Ops Township (McDonell 1825) has been updated with the names of initial settlers on the individual lots; though much of it is illegible the name of Peter Shannon is identifiable in Lot 1 in Concession 4 and Concession 5. There is no indication of Indigenous settlements or early unauthorized settlers on the survey map or in the survey notes (McDonell 1825). The available Kains' (1877) map of Victoria County has a large gap along the south edge of Ops township and information for that part of the Project study area is missing. Belden's 1881 *Victoria Supplement in Illustrated Atlas of the Dominion of Canada* depicts the established road and rail networks and settlements and post offices (Figure 7). A small number of landowners and buildings are illustrated on the atlas, including one within the Project study area. William Reynolds is shown as the owner of Lot 1, Concession 7, with a residence in the southeast corner of the lot, east of the Project study area (Figure 7). A schoolhouse and the Mount Horeb post office are indicated along the concession line between Concession 7 and Concession 8. A church is shown in the southeast corner of Lot 2, Concession 7 (Figure 7).

1.2.2.2 Peterborough County

The administrative history of Peterborough County began in 1798 when the Newcastle District was established as one of the original districts of Upper Canada. In 1841 the district was reorganized and the Colborne District was established. Less than 10 years later the Colborne District was reorganized again, creating the United Counties of Peterborough and Victoria. In 1861, the united counties were separated into individual counties (Cole 1975: 2).

Geographic Township of Harvey

Initial Euro-Canadian settlement in Harvey Township began around 1832, when some recent emigrants set up near the shore of Pigeon Lake in the southwest corner of the township, and near Sandy Lake, at the north end (Poole 1867:191). However, due to a variety of reasons, including poor soil, lack of general framing knowledge, bad (or nonexistent) roads and distances to a market, the small settlement had been abandoned (Poole 1867:191). After that there were few new settlers in the township, and up until 1866

Harvey Township, lacking sufficient numbers of settlers to warrant its own municipal governance, was associated with Smith Township (Poole 1867: 192).

Harvey was originally surveyed in the 1820s (Mulvany 1884:448). However, a re-survey of Harvey Township was undertaken by Theodore Clementi in 1865 (Clementi 1865; Poole 1867:192). The 1865 survey map of Harvey Township depicts the lot layout and size, waterways, and the names of settlers at that time (Figure 8). At that time there were very few settlers noted, most of them being located along the township boundary (Bobcaygeon Road) with Verulam north of Bobcaygeon, at the north end of Pigeon Lake around Nogies Creek and along the north shore of Buckhorn Lake (Clementi 1865). Two settlers and their houses are identified in lots within the Project Study area, located just north of present day Bobcaygeon: J. Stewart in Lot 17, Concession 19, and G. Harkness in Lot 18, Concession 19 (Clementi 1865). Concession 19 was identified as being “tolerably well settled” at that time, and this part of the township regarded as having good soils, compared to other parts of the township (Mulvany 1884:449).

Although not part of Victoria County, the Kains (1877) map does show some details of the Harvey Township lots on the west side of Pigeon Lake (Figure 3). Mossum Boyd’s mill and lumber yard is shown on the far eastern end of the island part of Bobcaygeon. Directly across from Lot 13, Concession 10 of Verulam, in what would be Lot 12, Concession 19 of Harvey Township is a substantial looking structure owned by H. Oliver, marked as “Mere House”, indicating that just the house is being shown and it is likely that there were additional outbuildings and other structures associated with the lot.

The Miles & Co. (1879) *County of Peterborough* map offers very few details about the study area. No landowners are identified on the map (Figure 9). The only structures illustrated are churches and schools and the location of the Lakehurst and Hall’s Bridge (now Buckhorn) post offices, none of which are within the Project study area (Figure 9). The presence of these structures does indicate that there was a fairly wide settlement of the township, irrespective of the lack of landowner names. The only other major feature shown is the Buckhorn Road, running north to south through the whole township

1.2.2.3 Durham County

By 1798, population levels in Upper Canada had increased to a point where it was desirable to create smaller administrative regions and thus, the counties of Northumberland and Durham were partitioned from the Home District and joined as the Newcastle District (Armstrong 2004). In 1837 the northern part of Newcastle District was used to form the Colbourne District (later Peterborough County).

In 1850, the Newcastle District was dissolved, and the constituent counties joined as the United Counties of Northumberland and Durham (Armstrong 2004). This larger county was subsequently dissolved in 1974 when half of the original Durham County was merged with the former Ontario County to establish the Regional Municipality of Durham. The Township of Hamilton was retained by Northumberland County during this municipal re-alignment and is bounded on the north by Rice Lake; on the west by the Township of Hope (in the County of Durham, now Regional Municipality of Durham); on the south by Lake Ontario; and on the east by the Township of Haldimand.

Geographic Township of Cavan

Cavan Township was first settled in 1816-1817 by United Empire Loyalists, most of the early settlers being Irish and they named the township after a county in northern Ireland of the same name (Dodds 1880:139; Belden 1878:vii). The population in 1820 was registered as 244, although there were only 24 ratepayers (Dodd 1880:139). However, owing to the generally excellent nature of the soil for farming purposes the population of the township grew quickly, and by 1840 the township had a population of 2,868 (Dodd 1880:139). In 1861 the population was registered as 4,901, a little under half of whom were immigrants from the British Isles, the remainder being born in Canada (Belden 1878:vii). The major town of Cavan was Millbrook, which was situated on the Midland railroad line, which allowed for the town to be a regional centre for shipping of grain and other produce (Dodds 1880:139).

The survey map of Cavan Township (Wilmot n.d.) depicts the lot layout, waterways, and marshland, indicated by stippling. The map has been updated with the names of initial settlers on the individual lots; though much of it is illegible, the family name of Hodgson is identifiable in Lot 13 Concession 14. There is no indication of Indigenous settlements or early unauthorized European settlers on the survey map (Wilmot n.d.).

The *Tremaine's Map of the County of Durham, Upper Canada* (Tremaine 1861) includes the names of landholders, the location of public buildings such as churches and schools, existing roads, railway lines and town plots, locations of industrial operations such as mills, blacksmiths etc., and waterways (Figure 10). The map also includes the location of several private residences, although not all properties are shown with a residence. It is likely that most of the properties were in fact occupied and that residences were shown for those who had subscribed to receive a copy of the map. Within the Project study area, the Tremaine map shows the location of the Town of Mount Pleasant and some private residences (Tremaine 1861). A sawmill is also indicated on the property of Joseph Shield in Lot 12, Concession 14, along Jackson Creek (Figure 10).

The Belden & Co. (1878) *Illustrated Historical Atlas of the Counties of Northumberland and Durham* depicts Cavan Township as extensively settled, with residences shown on most lots within the Project study area (Figure 11). Landowners and structures are depicted on most lots (Figure 13). In addition, the sawmill in Lot 12, Concession 14 is still present (Figure 11). Table 3 details the lot landowners within the study area.

Table 3: Property Owners and Historical Features Depicted on Historical Mapping of Cavan Township

Lot	Con.	1861			1879		
		Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
11	14	West ½ East ½	Foster Shield Francis Gardner	House House	West ½ East ½	Foster Shield Francis Gardner	Two houses House

Lot	Con.	1861			1879		
		Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
12		West ½ East ½	Joseph Shield Geo. Jamison	House; sawmill; Bland Line Mount Pleasant town plot; Bland Line	West ½ East ½	Joseph Shield Geo. Jamison	House; sawmill; Bland Line House; Mount Pleasant town plot; Bland Line
13		West ½ East ½	Geo. Jamison Jon. Hodgson	Mount Pleasant town plot None indicated	West ½ East ½	Geo. Jamison Mrs. Ann Hodgson	House, Mount Pleasant town plot Two houses
14		West ½ Northeast ¼ Southeast ¼	Jon. Hodgson Wm. Finley Mrs. McCall	None indicated None indicated None indicated	West ½ Northeast ¼ Southeast ¼	Mrs. Ann Hodgson S. McCormick Mary McCall	None indicated House None indicated
11	13	North ½ South ½	Abr. Best Robert Thaxton J.P.	None indicated House ("Levin's Hall")	North ¼ South ¾	Jos. Bland Robert Thaxton J.P.	House and sawmill House
12		South and east ¾ Northwest ¼	Abr. Webster Abr. Best	House; Mount Pleasant town plot; Mill Street House	South and east ¾ Northwest ¼	Abr. Webster Jno. Best	House; Mount Pleasant town plot; Mill Street House
13		Whole lot	Workman Estate	Mount Pleasant town plot	West ½ East ½	H. Ewing Geo. Seney	House; Mount Pleasant town plot house
14		North ½ South ½	George Caine Workman Estate	None indicated None indicated	North ½ South ½ SE Corner	Wm. Whitfield A. Best N.R.	House None indicated None indicated
11	12	North ½ Southwest ¼ Southeast ¼	John Thaxton Non-resident C. Lowes	None indicated None indicated None indicated	North ½ Southwest ¼ Southeast ¼ SW Corner	Jno. Thaxton Alex Baptiste T. Jackson F. Elliott	None indicated None indicated None indicated None indicated
12		Whole lot	John McPherson	None indicated	Whole lot	Jno. McPherson	House
13		North ½ South ½	John W. Lowes Robert Mills	None indicated House (later notation of "Low Grove Hall")	North ½ South ½	Matt Lowes Robert Mills	House Three houses/ structures

Lot	Con.	1861			1879		
		Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
14		Northwest ¼ Southwest ¼ East ½	Non-resident Robert Mills William Young	None indicated None indicated None indicated	West ½ East ½	Robert Mills Wm. Young	None indicated House
11	11	Whole lot	John Vance	House	Whole lot	Rob. Vance Jr.	Two houses
12		West ½ East ½	Caleb Lows George Ferguson	None indicated Churchville area in SE corner	West ½ East ½	T. Jackson S. Ferguson	House House
13		West ½ East ½	John W. Lowes Joseph Thompson	Churchville in SW corner None indicated	West ½ East ½	Matt Lowes Samuel Staples	House, Ida and Ida Post Office None Indicated
14		West ½ East ½	John Grandy None indicated	None indicated None indicated	Whole lot	Samuel Staples	Three houses/ structures

Geographic Township of Manvers

Manvers Township, being a back township in Durham, was not surveyed until 1816 to 1817 (Aitken 1989; Dodds 1880). Settlement in Manvers was slow, and by 1835 there was a population of only 154 (Dodds 1880). Over the next five years the population increased to 548, and by 1855 had reached 2,568 (Dodds 1880). Part of the reason for the slow growth was the only fair quality of much of the land for agricultural purposes (Belden 1878: vii). However, there were excellent stands of hardwood and pine forests throughout the township that resulted in much timbering and the development of several sawmills (Belden 1878:vii; Dodds 1880: 166).

The survey map of Manvers Township (Wilmot 1816) depicts the lot layout, waterways, and marshland, indicated by stippling. No landowners are listed on the survey map. There is no indication of Indigenous settlements or early unauthorized European settlers on the survey map (Wilmot 1816).

The *Tremaine's Map of the County of Durham, Upper Canada* (Tremaine 1861) includes the names of landholders, the location of public buildings such as churches and schools, existing roads, railway lines and town plots, locations of industrial operations such as mills, blacksmiths etc., and waterways (Figure 12). The map also includes the location of several private residences, although not all properties are shown with a residence. It is likely that most of the properties were in fact occupied and that residences were shown for those who had subscribed to receive a copy of the map. Within the Project study area, the Tremaine map shows the location of Schoolhouse Number 6 in Lot 17, Concession 12, Schoolhouse Number 10 in Lot 13, Concession 14, and a Wesleyan Methodist Church in Lot 11, Concession 14 (Tremaine 1861) (Figure 12). Few private residences are shown in any of the lots with the Project study area.

The Belden & Co. (1878) *Illustrated Historical Atlas of the Counties of Northumberland and Durham* depicts Manvers Township as extensively settled, with residences shown on most lots within the Project

study area (Figure 13). Landowners and structures are depicted on most lots (Figure 13). In addition to the previously documented church in Lot 11, Concession 14 there is also a new schoolhouse in that lot, likely replacing the one that had been previously located in Lot 13, Concession 14 (Figure 13). Two new churches are shown in Lots 16 and 17, Concession 12, on either side of St. Marys Road and School house # 6, and two other new churches are located along Concession 10, in Lots 13 and 15 (Figure 13). There is also an Orange Hall located in Lot 18, Concession 10 (Figure 13). Additionally, there are dashed lines that appear to indicate the extent of low and wet ground throughout the township. Table 4 details the lot landowners within the study area.

Table 4: Property Owners and Historical Features Depicted on Historical Mapping of Manvers Township

Lot	Con.	1861			1879		
		Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
9	14	Whole lot	William Stinson	House	Whole lot	Wm. Stinson	House
10		Whole lot	Robert Magill	None indicated	Whole lot	Jno. McGill	House
11		West ½ East ½	Henry Hunt Josiah Mulligan	Wesleyan Methodist Church None indicated	West ½ East ½	Jas. Jones H. Mulligan	Two houses and a church House and schoolhouse
12		Whole lot	Josiah Mulligan	None indicated	Whole lot	H, Mulligan	None Indicated
13		West ½ Northeast ¼ Southeast ¼	John Porter John Ellis Jas. Shea	None indicated None indicated School house No. 10	North and west 3/4 Southeast ¼	Jno. Porter Jas. Shea	House House
14		North ¼ West 1/3 East 2/3	Jno. Beamish John Shea Wm. Reihell	None indicated None indicated None indicated	North ¼ West 1/3 East 2/3	Wm. Skuce Jas. Shea Wm. Ingram	House House House
15		North ½ South ½	Isaac (…..) John Hickson	None in remaining map House	North ½ South ½	Thos. Howe Jno. Hickson	House House
16		Whole lot	James Willson	None indicated	Whole lot	Williams Estate	House
17		West ½ East ½	Wm. H. Pallard James Pallard	None indicated None indicated	West ½ East ½	Jno. Beamish Wm. Griffin	House House
18		Whole lot	John Belch	None indicated	Whole lot	Mary J. Belch	Two house
9	13	North ½ South ½	J. Montgomery C. Johnstone	None indicated None indicated	North ½ SW ¼ SE ¼	J. Montgomery C. Johnstone Wm. Johnston	House House House

STAGE 1 ARCHAEOLOGICAL ASSESSMENT: BOBCAYGEON COMMUNITY EXPANSION PROJECT

Project Context

Lot	Con.	1861			1879		
		Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
10		North ¼ Central ¼ Southwest 1/8 South central 1/8 Southeast ¼	Geo. Windrum Rich. Windrum G. McLean Thos. How (sic) J. Anderson	None indicated None indicated None indicated None indicated None indicated	North and east ¾ Southwest 1/8 South central 1/8	Samuel Stinson G. McLean T. Howe	None indicated House None indicated
11		North ½ South ½	Thos. Magill Wm. Magill	None indicated None indicated	North ½ South ½	Jno. Magill Wm. Magill	Two houses House
12		West ½ East ½	Rob.Thompson Thos. Leadlaw	None indicated None indicated	West ½ East ½	Wm. Stinson T. Laidley	House House
13		North and east ¾ Southwest ¼	William Armstrong (…) Meredith	None indicated None indicated	North and east ¾ Southwest ¼	Wm. Armstrong T. Laidley	Three houses
15		Whole lot	Illegible	None identifiable	North ½ NW corner South ½	Thos. McGee L.M. Jos. Staples	House None indicated None indicated
16		West ½ East ½	Thos. Staples Francis Beamish	None indicated None indicated	West ½ East ½	Williams Estate Jno. Hart	Two houses House
17		Whole lot	Hermon Hari	None indicated	Whole lot	Herman Hart	Four houses
18		West ½ East ½	Thomas Woods John Hart	None indicated None indicated	West ½ East ½	Thos. Woods J.S. Davidson	House House
10	12	Whole lot	William Campbell	None indicated	Whole lot	Jas. Campbell	House
11		North and east ¾ SW¼	Samuel Jacks H.H. Meredith	None indicated None indicated	North and east ¾ SW¼	Jno. D. Armstrong H.H. Meredith	House None Indicated
12		Whole lot	J. Haslip	None indicated	North ½ South ½	Wm. Magill Mary Heaslip	None indicated House
13		Whole lot	Thomas Coulter	None indicated	West ½ East ½	Wm. Coulter Hugh Coulter	House None indicated
15		North ½ South ½	John Wallace Wm. Robinson	None indicated None indicated	North ½ South ½	Jno. McGill Rich. Arnott	House House
16		Whole lot	Joseph Lee	None indicated	North ½ South ½	Jos. Lee Estate Wm. Grandy	Two houses House and church
17		Whole lot	Thomas Staples	School house No.6	Whole lot	T.E. Staples Estate	School house and church
18		Whole lot	Thomas Shea	Two houses	Whole lot	Thomas Shea	House

Lot	Con.	1861			1879		
		Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
10	11	North ½ Southeast part Southwest part	Jas. Maguire Wm. Colvin Sqr. Williams	None indicated None indicated None indicated	North and west ¾ Southeast ¼	None indicated J. McCausland	None indicated House
11		Whole lot	Isaac Eyres	None indicate	Whole lot	William Mitchell	House
12		West ½ East ½	John Sutton Jane Elliot	None indicated None indicated	West ½ East ½	John Sutton Mrs. Elliot	House House
13		Whole lot	Isaac Eyers	None indicated	Whole lot	William Mitchell	house
15		West and south ¾ Northeast ¼	Illegible Th. Leslie	None identifiable None indicated	Northwest ¼ Northeast ¼ South ½	Jas. Cairnes Thos. Leslie Jno. Cairnes Jr.	None indicated House House
16		North ½ South ½	Tho. Robison Wm. Robison	None indicated None indicated	North ½ of north ½ South ½ of north ½ South ½	T.E. Staples Estate Chris Chittick Thos. Fee	House House House
17		Whole lot	Robert Staples	None indicated	North ¼ South ¾	Wm. Werry Geo. Werry	None indicated House
18		North ½ South ½	James Brown John Brown	None indicated None indicated	North ½ South ½	John Brown Jas. Brown	None indicated House
10	10	North ½ Central ¼ South ¼	Wm. Colvin A. Wilson J. Wilson	House None indicated None indicated	North ½ Central ¼ South ¼	Jas. Colvin Sr. Geo. Wilson Jno. Wilson	Two houses None indicated House
11		North ½ South ½	Arch Wilson John Wilson	None indicated None indicated	North ½ South ½	Geo. Wilson John Neals	Two houses House
12		Whole lot	Richard Staples	None indicated	Whole lot	Rich. Staples	Two houses
13		Whole lot	Archibald Wilson	Part of town of Lifford	Whole lot	Arch Wilson	Two house, church and hamlet of Lifford
15		Whole lot	Robert Eyrs (sic)	None indicated	SW corner Remaining lot	J. Sutton Robt. Staples	House House and church
16		North ½ South ½	Henry Grandy Thos. Grandy	None indicated None indicated	North ½ South ½	Wm. Ward T.G. (likely Thos. Grandy)	None indicated House
17		Northwest ¼ Southwest ¼ East ½	Henry Grandy Thos. Grandy Rich. Grandy	None indicated None indicated None indicated	Northeast ¼ South and east ¾	Wm. Ward Thos. Grandy	House House

Lot	Con.	1861			1879		
		Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
18		Whole lot	Samuel Vance	None indicated	Whole lot	Robt. Hannah	House and Orange Hall

Structures illustrated on historical county atlases and maps were not necessarily depicted or placed accurately (Gentilcore and Head 1984). In fact, historical county atlases were produced primarily to identify factories, offices, residences, and landholdings of subscribers and were funded by subscription fees. Landowners who did not subscribe were not always listed on the maps (Caston 1997:100). However, the road grid depicted demonstrates that, by 1878, much of the current road system was constructed and still recognizable today. Further, review of historical mapping also has inherent accuracy difficulties due to potential error in geo-referencing. Geo-referencing is conducted by assigning spatial coordinated to fixed locations and using these points to spatially reference the remainder of the map. Due to changes in “fixed” locations over time (e.g., road intersections, road alignment, watercourses, etc.), errors/difficulties of scale and the relative idealism of the historical cartography, historical maps may not translate accurately into real space points. This may provide obvious inconsistencies during historical map review.

1.2.2.4 Trent-Severn Waterway

The Project study area does cross the Bobcaygeon River and is in close proximity to Pigeon Lake, both of which are part of the Trent-Severn Waterway. Additionally, the Project study area does include the Bobcaygeon Lock and associated infrastructure, which is under the jurisdiction and operation of Parks Canada. The Trent-Severn Waterway is a 386-kilometre-long canal connecting Lake Ontario at Trenton to Georgian Bay at Port Severn. The canal was originally intended as a military route, but the first lock was built as a commercial venture in 1833. Several locks along the interior of the route were constructed by the 1830s, including the Bobcaygeon Lock, which was the first one constructed, in 1833. Construction was put on hold with no outlets for the canal. Construction was restarted in the 1880s with the route continuing westward but was put on hold soon after. The route was completed with the construction of the lock at Trenton in 1918. The canal is used by pleasure boats as shipping boats are too large for the canal (Legget 2015).

1.3 ARCHAEOLOGICAL CONTEXT

1.3.1 Natural Environment

The majority of the Project study area is located within the Peterborough Drumlin Field physiographic region (Chapman and Putnam 1984:113). The Peterborough Drumlin Field is a rolling till plain with an area of about 4,500 square kilometres (Chapman and Putnam 1984:169). Extending from Hastings County in the east to Simcoe County in the west the physiographic region contains approximately 3,000 drumlins and many other drumlinoid hills and surface flutings. In general, the region is between 180 and 250 metres above sea level (Chapman and Putnam 1984:169). With respect to agricultural use of the land in the region there is a roughly even split between crops and pasturage (Chapman and Putnam 1984:172).

Project Context

The Project study area near Mount Horeb is located within the Schomberg Clay Plains (Chapman and Putnam 1984:113). The Schomberg Clay Plains are a series of basins along the northern slopes of the Oak Ridges Moraine. The basins are located near Schomberg, Newmarket, and to the north of Lake Scugog. The clay plain near Lake Scugog overlies a flat till plain and a few drumlins occur (Chapman and Putnam 1984:176).

The study area contains a wide variety of soil series, listed in Table 5 (Gillespie and Richards 1957). Most of the soil types are suitable for agricultural purposes and these soil types make up a large portion of the study area. There are, however, fairly widespread occurrences of less suitable soil types which have poor or excessive drainage.

Table 5: Soils within Study Area

Soil Type	Slope	Drainage	Use
Brighton sandy loam	Gently rolling	Good	Suitable for agriculture
Cramahe Gravel	Hilly	Excessive	Not suitable for agriculture. Primarily used for pasture or left as woodlot
Dundonald sandy loam	Moderately rolling	Good	Suitable for agriculture
Dummer loam	Hilly	Good to excessive	Suitable for agriculture
Emily loam	Undulating	Imperfect	Suitable for agriculture after tile drainage
Granby sandy loam	Nearly level	Poor	Suitable for agriculture after tile drainage
Otonabee loam (including shallow and steep phases)	Moderately rolling to steep	Good to excessive	Suitable for agriculture
Simcoe clay	Nearly level	Poor	Not suitable for agriculture. Primarily used for pasture
Tecumseth sandy loam	Undulating	Imperfect	Suitable for agriculture with some limitations
Bottom land	Nearly level	Variable	Used for pasture
Muck	Depressional	Very poor	Used for woodlot

Potable water is the single most important resource for any extended human occupation or settlement and since water sources in southwestern Ontario have remained relatively stable over time, proximity to drinkable water is regarded as a useful index for the evaluation of archaeological site potential. In fact, distance to current water is one of the most commonly used variables for predictive modeling of archaeological site locations in Ontario. The Project study area is well situated with respect to potable water sources. Much of the Project study area is located near Pigeon Lake and Sturgeon Lake. Notable watercourse drainages within the Project study area include Pigeon River, Bobcaygeon River, Emily Creek, Jackson Creek and Stony Creek. Additionally, there are several small, unnamed watercourses that drain marshy areas into Pigeon Lake.



1.3.2 Pre-contact Indigenous Resources

Much of what is understood about the lifeways of Indigenous peoples is derived from archaeological evidence and ethnographic analogy. In Ontario, Indigenous culture prior to the period of contact with European peoples has been distinguished into cultural periods based on observed changes in material culture. These cultural periods are largely based on observed changes in formal lithic tools, and separated into the Early Paleo-Indian, Late Paleo-Indian, Early Archaic, Middle Archaic and Late Archaic periods. Following the advent of ceramic technology in the Indigenous archaeological record, cultural periods are separated into the Early Woodland, Middle Woodland, and Late Woodland periods, based primarily on observed changes in formal ceramic decoration. It should be noted that these cultural periods do not necessarily represent specific cultural identities but are a useful tool for understanding changes in Indigenous culture through time. The current understanding of Indigenous archaeological culture is summarized in Table 6 below, with dates indicated using the before Common Era (BCE) and Common Era (CE) designation (Ellis and Ferris 1990).

The following summary of the prehistoric occupation of Southern Ontario is based on syntheses in Archaeologix (2008), Damjkar (1990), Ellis and Ferris (1990), Jacques Whitford (2008), Ramsden (1989), and Sutton (1990).

Table 6: Generalized Cultural Chronology for Southern Ontario

Cultural Period	Characteristics	Time Period	Comments
Early Paleo-Indian	Fluted Projectiles	9000 - 8400 BCE	spruce parkland / caribou hunters
Late Paleo-Indian	Hi-Lo Projectiles	8400 - 8000 BCE	smaller but more numerous sites
Early Archaic	Kirk and Bifurcate Base Points	8000 - 6000 BCE	slow population growth
Middle Archaic	Brewerton-like points	6000 - 2500 BCE	environment similar to present
Late Archaic	Lamoka (narrow points)	2500 - 1800 BCE	increasing site size
	Broad Points	1800 - 1500 BCE	large chipped lithic tools
	Small Points	1500 - 1100 BCE	introduction of bow hunting
Terminal Archaic	Hind Points	1100 - 950 BCE	emergence of true cemeteries
Early Woodland	Meadowood Points	950 - 400 BCE	introduction of pottery
Middle Woodland	Dentate / Pseudo-Scallop Pottery	400 BCE – 550 Common Era (CE)	increased sedentism
	Princess Point	550 – 900 CE	introduction of corn
Late Woodland	Early Late Woodland Pottery	900 – 1300 CE	emergence of agricultural villages
	Middle Late Woodland Pottery	1300 – 1400 CE	long longhouses (100 m +)
	Late Late Woodland Pottery	1400 – 1650 CE	tribal warfare and displacement

Between 9000 and 8000 BCE, Indigenous populations were sustained by hunting, fishing, and foraging and lived a relatively mobile existence across an extensive geographic territory. Despite these wide territories, social ties were maintained between groups. One method of maintaining social ties was gift exchange, evident through exotic lithic material documented on many sites (Ellis 2013:35-40).



By approximately 8000 BCE, evidence exists and becomes more common for the production of groundstone tools such as axes, chisels, and adzes. These tools themselves are believed to be indicative specifically of woodworking. This evidence can be extended to indicate an increase in craft production and arguably craft specialization. This latter statement is also supported by evidence, dating to approximately 7000 BCE of ornately carved stone objects which would be laborious to produce and have explicit aesthetic qualities (Ellis 2013:41). This is indirectly indicative of changes in social organization which permitted individuals to devote time and effort to craft specialization. Since 8000 BCE, the Great Lakes basin experienced a low-water phase, with shorelines significantly below modern lake levels (Stewart 2013: Figure 1.1.C). It is presumed that most human settlements would have been focused along these former shorelines. At approximately 6500 BCE, the climate had warmed considerably since the recession of the glaciers and the environment had grown more like the present day. Evidence exists at this time for an increase in population and the contraction of group territories. By approximately 4500 BCE, evidence exists from southern Ontario for the utilization of native copper (naturally occurring pure copper metal) (Ellis 2013:42). The known origin of this material along the north shore of Lake Superior indicates the existence of extensive exchange networks across the Great Lakes basin.

At approximately 3500 BCE, the isostatic rebound of the North American plate following the melt of the Laurentide glacier had reached a point which significantly affected the watershed of the Great Lakes basin. Prior to this, the Upper Great Lakes had drained down the Ottawa Valley via the French-Mattawa river valleys. Following this shift in the watershed, the drainage course of the Great Lakes basin had changed to its present course. This also prompted a significant increase in water-level to approximately modern levels (with a brief high-water period); this change in water levels is believed to have occurred catastrophically (Stewart 2013:28-30). This change in geography coincides with the earliest evidence for cemeteries (Ellis 2013:46). By 2500 BCE, the earliest evidence exists for the construction of fishing weirs (Ellis *et al*. 1990: Figure 4.1). Construction of these weirs would have required a large amount of communal labour and are indicative of the continued development of social organization and communal identity. The large-scale procurement of food at a single location also has significant implications for permanence of settlement within the landscape. This period is also marked by further population increase and by 1500 BCE evidence exists for substantial permanent structures (Ellis 2013:45-46).

By approximately 950 BCE, the earliest evidence exists for populations using ceramics. Populations are understood to have continued to seasonally exploit natural resources. This advent of the ceramic technology is correlated, however, with the intensive exploitation of seed foods such as goosefoot and knotweed as well as mast such as nuts. The use of ceramics implies changes in the social organization of food storage as well as in the cooking of food and changes in diet. Fish also continued to be an important facet of the economy at this time. Evidence continues to exist for the expansion of social organization (including hierarchy), group identity, ceremonialism (particularly in burial), interregional exchange throughout the Great Lakes basin and beyond, and craft production (Williamson 2013:48-54).

By approximately 550 CE, evidence emerges for the introduction of maize into southern Ontario. This crop would have initially only supplemented Indigenous peoples' diet and economy (Birch and Williamson 2013:13-14). The archaeological evidence is supported by Mississauga oral history that speak of people coming into the Mississauga territory between 500 and 1000 CE and seeking permission to establish villages and an agricultural-based economy. Maize-based agriculture gradually became more important to



societies and by approximately 900 CE permanent communities emerge which are primarily focused on agriculture and the storage of crops, with satellite locations oriented toward the procurement of other resources such as hunting, fishing, and foraging. This archaeologically defined culture, known as the Late Woodland in southern Ontario and is often divided into three temporal components: Early, Middle and Late Late Woodland. Sites associated with the Early Late Woodland period indicate that there was a continuation of similar subsistence practices and settlement patterns as the Middle Woodland. Villages tended to be small, with small longhouse dwellings that housed either nuclear or, with increasingly, extended families. Smaller camps and hamlets associated with villages served as temporary bases from which wild plant and game resources were acquired. Horticulture appears to have been for the most part a supplement to wild foods, rather than a staple.

The Middle Late Woodland period marks the point at which a fully developed horticultural system emerged, and at which point cultivars became the staple food source. By approximately 1250 CE, evidence exists for the common cultivation of historic Indigenous cultigens, including maize, beans, squash, sunflower, and tobacco. In this period villages become much larger than in the Early Late Woodland period, and longhouses also become much larger, housing multiple, though related, nuclear families. For those Indigenous peoples who began practicing cultivation, food production through horticulture resulted in the abandonment of seasonal mobility. Hunting, fishing, and gathering of wild food activities continued to occur at satellite camps. However, for the most part, most Late Woodland people inhabited large, sometimes fortified villages throughout southern Ontario.

During the Late Late Woodland period longhouses became smaller again, although villages became even larger. A number of Huron village sites have been discovered in the region that contain material culture associated with both Huron and St. Lawrence Iroquoians, suggesting that St. Lawrence Iroquoians who had abandoned their home territory along the north shore of the St. Lawrence River and found refuge in the Trent Valley and Kawartha Lakes area (Ramsden 2016). The villages were abandoned in the 16th century and the region was used as a buffer between the Huron and the Five Nations Iroquois.

The Late Late Woodland period in the Trent River system and along the north shore of Lake Ontario is marked by the emergence of the Huron-Wendat, one of several discrete groups that emerge out of the Middle Late Woodland period. Pre-contact Huron-Wendat villages have been documented in clusters along the north shore of Lake Ontario from just west of Toronto to Bellville, and north up through the Kawartha Lakes region. The Huron-Wendat were similar to other Iroquoian societies in many ways, including material culture, semi-permanent settlement practices, and a tendency toward agricultural mixed with hunting and gathering subsistence strategy (Ramsden 1990). Huron-Wendat settlements include large villages of several longhouses and camps for specialized extractive activities such as hunting and fishing, although there is discussion that these camps may actually be ancestral Mississauga sites. During the Late Late Woodland period, Huron-Wendat settlements along the north shore of Lake Ontario begin to move through the Humber River, Don River, Duffins Creek/Rouge River and Trent River systems and eventually coalesce into what is now Simcoe County and the area traditionally identified as “Huronia” (Birch 2012).

These communities living within the region of the Study Area are believed to have possessed many cultural traits similar to the historic Indigenous Nations (Williamson 2013:55). Both Huron-Wendat and



Anishnaabeg traditional history indicate that the Huron-Wendat and Anishnaabeg cohabited the region (Kapyrka 2018).

1.3.3 Known Archaeological Sites and Surveys

In Canada, archaeological sites are registered within the Borden system, a national grid system designed by Charles Borden in 1952 (Borden 1952). The grid covers the entire surface area of Canada and is divided into major units containing an area that is two degrees in latitude by four degrees in longitude. Major units are designated by upper case letters. Each major unit is subdivided into 288 basic unit areas, each containing an area of 10 minutes in latitude by 10 minutes in longitude. The width of basic units reduces as one moves north due to the curvature of the earth. In southern Ontario, each basic unit measures approximately 13.5 kilometres east-west by 18.5 kilometres north-south. In northern Ontario, adjacent to Hudson Bay, each basic unit measures approximately 10.2 kilometres east-west by 18.5 kilometres north-south. Basic units are designated by lower case letters. Individual sites are assigned a unique, sequential number as they are registered. These sequential numbers are issued by the MHSTCI who maintain the *Ontario Archaeological Sites Database*. The study area is located within Borden blocks BbGo, BbGp, BcGp and BdGp.

Information concerning specific site locations is protected by provincial policy and is not fully subject to the *Freedom of Information and Protection of Privacy* Act (Government of Ontario 1990b). The release of such information in the past has led to looting or various forms of illegally conducted site destruction. Confidentiality extends to all media capable of conveying location, including maps, drawings, or textual descriptions of a site location. The MHSTCI will provide information concerning site location to the party or an agent of the party holding title to a property, or to a licensed archaeologist with relevant cultural resource management interests.

An examination of the *Ontario Archaeological Sites Database* has shown that three archaeological sites have been registered within a one kilometre radius of the study area (Government of Ontario 2021a). The sites are detailed below in Table 7. One site, BcGp-1, is located within the Project preferred routing, and all three are located within the wider study area. The general locations of the sites are provided in the Supplemental Documentation to this report.

Table 7: Registered Sites within One Kilometre of the Study Area

Borden #	Site Name	Cultural Affiliation	Site Type	Disposition
BcGp-1	Lawrie	Middle Woodland Indigenous	Campsite	Unknown
BcGp-2	Tuftsville	Pre-contact Indigenous	Campsite	No further CHVI
BcGp-3	none given	Pre-contact Indigenous	Campsite	No further CHVI

In addition to the identified registered archaeological sites, land registry data indicates that a private burying ground is associated with a property north of Park Street and west of Mansfield Street. Further, oral history from Curve Lake First Nation records a potential archaeological site in proximity to the Bobcaygeon Branch of the Kawartha Lakes Public Library (Melanie Book, Enbridge, personal communication, November 25, 2021).

Project Context

Although there have been periods of extensive archaeological research in the Trent River Valley system throughout the early and later parts of the 20th century, much of that work has been focused on the Lower Trent Valley, from Lake Ontario up to and including Rice Lake, and in the Upper Trent Valley around Balsam Lake (Heritage Quest Inc. 2000; Ramsden 1994; Sutton 1990). Little archaeological research has occurred for much of Sturgeon Lake, and recently has largely been associated with cultural resource management studies.

An examination of the *Ontario Public Register of Archaeological Reports* has shown that eight previous archaeological assessments have been completed in, or within 50 metres of, the study area (Government of Ontario 2021b). These assessments are detailed below in Table 8.

Table 8: Previous Archaeological Assessments within 50 metres of the Study Area

Project Information Form (PIF) Number	Report	Reference
P156-0130-2011	*A Stage I-II Archaeological/Heritage Assessment for the Harrison Severance Rezoning By-Law Application: at the North End Of 23 Wipsi Shore Road, R.R. #5, Lindsay, Ontario. Located In Part Lot 19, Concession 10 (Former Geographic Township of Emily, City of Kawartha Lakes (Formerly Known as Victoria County), Ontario*	York North Archaeological Services Inc. (YNAS) 2012
P367-003-2012	*Stage 1-2 Archaeological Assessment, Front and West Streets, Part of Lot 16, Concession 9 Geographic Township of Verulam, County of Victoria, City of Kawartha Lakes, Ontario*	Wagner Archaeological Services Inc. (WASI) 2012
P156-0200-2014	*A Stage 1-2 Archaeological Assessment of The Lonesome Pine Resort Located at 2346 Pigeon Lake Road, In Lots 22 And 23, Concession 14, Emily Township, City of Kawartha Lakes (Formerly Victoria County), Ontario.*	YNAS 2014a
P156-0218-2014	*A Stage 3 Archaeological Assessment of BcGp-4 at The Lonesome Pine Resort Located at 2346 Pigeon Lake Road, In Lots 22 And 23, Concession 14, Emily Township, City of Kawartha Lakes (Formerly Victoria County), Ontario.*	YNAS 2014b
P156-0233-2014	*A Stage 1 Archaeological Assessment of Emily Provincial Park Located At 797 Kawartha Lakes County Road 10 (Emily Park Road), In Lot 12, Concession 6, Emily Township, City of Kawartha Lakes (Formerly Victoria County), Ontario.*	YNAS 2015
P046-0185-2016	*Stage 1 and 2 Archaeological Assessment of Port 32, Part of Lot 40 Registrar's Compiled Plan #564 and Part of Lot 12, Concession 19, Geographic Township Of Harvey, City of Kawartha Lakes, Ontario*	Archaeological Services Inc. (ASI) 2016
P310-0200-2018	*Stage 1 & 2 Archaeological Assessment 8 Mitchell Drive, Part of Lot 13, Concession 7, Geographic Township of Emily, City of Kawartha Lakes*	Earthworks Archaeological Services Inc. (EASI) 2018
P415-0286-2021	*Stage 1 Archaeological Assessment: ARROW Kawartha Lakes Campbellford Former Rail Line: Various Lots and Concessions, various Geographic Townships, various Lower Tier Municipalities, Hastings County, Northumberland County, Peterborough County, and Kawartha Lakes, Ontario*	Stantec 2021

YNAS completed a Stage 1-2 archaeological assessment under PIF number P156-0130-2011 issued to Patricia Dibb for a lot severance application for a property located in the north half of Lot 19, Concession 10 in the Township of Emily (YNAS 2012). The Stage 1 portion of the study identified the property as retaining archaeological potential and Stage 2 assessment was completed through test pit survey (YNAS 2012). No archaeological resources were recovered during the Stage 2 assessment and the property was deemed to be clear of further archaeological concerns (YNAS 2012).

WASI completed a Stage 1 -2 archaeological assessment under PIF number P367-003-2012 issued to Teresa B. Wagner as part of a Zoning By-Law Amendment for a property located on the north bank of the Bobcaygeon River, in part of Lot 16, Concession 9 in the Township of Verulam, in the Town of Bobcaygeon (WASI 2012). The Stage 1 portion of the study identified the property as retaining



archaeological potential, due in part to it being one of the first lots purchased in Verulam and for its proximity to the Bobcaygeon River (WASI 2012). Stage 2 assessment was completed through test pit survey; no archaeological material was recovered during the Stage 2 assessment and no further assessment was recommended (WASI 2012).

Under PIF number P156-0200-2014 issued to Patricia Dibb, YNAS conducted a Stage 1-2 archaeological assessment of a property for a rezoning application in Lots 22 and 23, Concession15, Township of Emily (YNAS 2014a). The Stage 1 assessment identified that the property retained archaeological potential and Stage 2 assessment by test pit survey was recommended (YNAS 2014a). The Stage 2 assessment identified one positive test pit and a 1 x 1 metre test unit was excavated over the location of the positive test pit (YNAS 2014a). One unworked piece of Trent Valley chert was recovered from the test pit and four pieces of Trent Valley chert chipping detritus were recovered from the test unit excavation (YNASA 2014a). Based on the results of the Stage 2 assessment YNAS recommended additional Stage 3 assessment for the site, which was given Borden number BcGp-4 (YNAS 2014a). YNAS completed the Stage 3 assessment of BcGp-4 under PIF number P156-0218-2014 issued to Patricia Dibb (YNAS 2014b). A total of 11 test units were excavated, of which eight were found to contain additional chipping detritus and faunal material (YNAS 2014b). In all 14 pieces of Trent Valley chert shatter, three pieces of quartz shatter, seven calcined bone pieces and one fish bone (YNAS 2014b). No archaeological features were identified in any of the test units. Based on Section 3.4.1 of the *Standards and Guidelines for Consultant Archaeologists* (Government of Ontario 2011) the site did not meet criteria to move to Stage 4 mitigation of impacts and the cultural heritage value or interest of the site was considered to be sufficiently documented at Stage 3 (YNAS 2014a).

In 2018 EASI completed a Stage 1-2 archaeological assessment for a lot severance application for a property in Lot 13, Concession, Township of Emily under PIF P310-0200-2018 issued to Anthony Butler (EASI 2018). Based on an evaluation that the property retained archaeological potential Stage 2 assessment was completed across the property. No archaeological resources were identified during the Stage 2 test pit assessment and no further assessment was recommended (EASI 2018).

Under PIF number P156-0233-2014 issued to Patricia Dibb, YNAS completed a Stage 1 archaeological assessment of Emily Provincial Park, Located in Lot 12, Concession 6 of Emily Township (TNAS 2016). The Stage 1 found that, except for two areas of previous extensive disturbance along the Pigeon River that had been subject to extensive grading below topsoil and fill activities, the remainder of the park retains potential for the recovery of archaeological resources and further Stage 2 assessment was recommended in areas where additional development of park lands may occur (YNAS 2016).

ASI completed Stage 1 and 2 archaeological assessment under PIF number P046-0185-2016 issued to Andrew Clish of a potential development property in Port 32, pat of Lot 12, Concession 19 of Harvey Township, at the east end of the island that forms the Town of Bobcaygeon (ASI 2016). The Stage 1 assessment identified the property as retaining archaeological potential, due to its proximity to the Bobcaygeon River, and Stage 2 assessment through test pit survey was recommended (ASI 2016). The test pit survey identified areas that had been previously extensively disturbed, amounting to approximately 31% of the study area, or were composed of exposed bedrock (14% of the study area) (ASI 2016). The remainder was subject to test pit survey. No archaeological resources were identified during the Stage 2 assessment and no further assessment was recommended (ASI 2016).



Stantec (2021) carried out a Stage 1 archaeological assessment for an abandoned rail line, entitled *Stage 1 Archaeological Assessment: ARROW Kawartha Lakes Campbellford Former Rail Line: Various Lots and Concessions, various Geographic Townships, various Lower Tier Municipalities, Hastings County, Northumberland County, Peterborough County, and Kawartha Lakes, Ontario.* The Stage 1 for the ARROW – Kawartha Lakes Campbellford Former Rail Line crosses the present study area at Emily Park Road, south of Cowan's Bay. The Stage 1 assessment of the ARROW – Kawartha Lakes Campbellford Former Rail Line found that the rail bed was previously disturbed and did not retain potential for the recovery of archaeological resources. Other portions of the study area, however, did exhibit potential for the identification and recovery of archaeological resources. These areas were recommended for a Stage 2 archaeological assessment.

Additionally, Northeastern Archaeological Associates Ltd. (NAA) completed Stage 1 and 2 archaeological assessment around Bobcaygeon Beach Park entitled *Stage 1 and 2 Archaeological Assessment of Bobcaygeon Beach Park, Lot 15, Concession 10 And 9, Village of Bobcaygeon, Geographic Township of Verulam, City of Kawartha Lakes, Ontario* under PIF number P025-0706-2021 (Lawrence Jackson, personal communication, January 21, 2022; NAA *in press*). Although the report has not yet been accepted into the *Ontario Public Register of Archaeological Reports* and the full details of the assessment are not available, the report does document a plan of Bobcaygeon, based on a sketch by Thomas Need from 1833, indicating the location of a possible cemetery or "burying ground" along the south bank of the Big Bob Channel in part of Lot 15, Concession 10 in Verulam Township (Figure 14). Although that historical sketch and present-day land registry records demarcate the property as a burial ground there is no evidence that burials ever occurred here (Lawrence Jackson, personal communication, January 21, 2022) and no other available historical mapping indicates a cemetery here. Moreover, Thomas Need, in his book *Six Years in the Bush* makes no mention of any cemetery or burying ground along the bank of the river (Need 1838) and no indication of such is evident on the original survey map (Huston 1823). The Stage 2 assessment identified only a single artifact, associated with the historical land-use by the Lindsay, Bobcaygeon and Pontypool Railway, and determined that the property had been extensively and deeply disturbed by rail activity and modern construction activities (NAA *in press*).

1.3.3.1 Previous Studies

Two previous studies have been completed for portions of the Project study area.

In 2006, under PIF# P002-067-2006 issued to Colin Varley, Jacques Whitford completed a Stage 1 archaeological assessment of a proposed pipeline to Bobcaygeon entitled *Stage 1 Archaeological Assessment, Proposed Gas Distribution Pipeline, Bobcaygeon, City of Kawartha Lakes, Ontario* (Jacques Whitford 2006). That study area, which follows a portion of the PPR for the proposed Supply Lateral to Bobcaygeon, was focused on the existing road allowances starting from Peace Road and heading north along Centreline Road and Pigeon Lake Road to the Town of Bobcaygeon (Jacques Whitford 2006). Five areas of archaeological potential were identified and recommended for Stage 2 assessment (see Figure 14-1 to 14-6) (Jacques Whitford 2006, 2017). The recommendations of that report were made under the *Archaeological Assessment Technical Guidelines 1993 (Stages 1-3 & Reporting Format)* (Government of Ontario 1993), which have been superseded by the 2011 *Standards and Guidelines for Consultant Archaeologists* (Government of Ontario 2011). However, the MHSTCI confirmed that the

recommendations of the 2006 Stage 1 assessment would be allowed to stand for the project, with additional assessment recommended for the lands surrounding the channels of the Bobcaygeon River (Andrea Williams, MHSTCI, email personal communication, June 26, 2017). The recommendation of Stage 2 assessment for those areas has been carried forward into the recommendations for this report.

In 2016 Stantec completed a Stage 1 assessment of a proposed pipeline to Fenelon Falls under PIF # P415-0060-2016 issued to Patrick Hoskins entitled *Stage 1 Archaeological Assessment, Proposed Pipelines to Serve the Communities of Fenelon Falls and Bobcaygeon: Various Lots, Concessions 8-10, Clarke Township, Concessions 1-14, Manvers Township, Regional Municipality of Durham and Concessions 1-8, Ops Township, Concessions 2-11, Fenelon Township, Concessions 1-10, Verulam Township, Victoria County, City of Kawartha Lakes, Ontario* (Stantec 2016). This assessment, focused on existing road allowances, identified general archaeological for most of the study area, including the portions of the PPR of the proposed Reinforcement Lateral of the current Project study area along Highway 35 and St. Marys Road near Mount Horeb (Stantec 2016) (Figures 14-9 to 14-11). Additionally, the assessment identified archaeological potential along most of the study area in Bobcaygeon (Stantec 2016). Areas of archaeological potential were recommended for Stage 2 assessment and have been carried forward into the recommendations for this report.

1.3.4 Existing Conditions

The Project study area is approximately 50 kilometres in length in an overall study area of approximately 11,907 hectares and, though centred on municipal RoWs does include areas of forest, scrubland, meadow, agricultural fields, manicured lawn, residential and commercial development, the Town of Bobcaygeon, and low and wet areas, the latter particularly notable along the shore of Pigeon Lake. The study area also contains a portion of the Trent Severn Waterway, notably the Bobcaygeon Lock, that is on land owned and operated by Parks Canada.

2.0 FIELD METHODS

The Stage 1 archaeological assessment compiled information concerning known and/or potential archaeological and heritage resources within the study area. A property inspection was conducted on October 29, 2021, under PIF P415-0323-2021 issued to Patrick Hoskins, MA, by the MHSTCI. The property inspection involved spot checks of the study area to identify the presence or absence of features of archaeological potential, in accordance with Section 1.2 of the MHSTCI's 2011 *Standards and Guidelines for Consultant Archaeologists* (Government of Ontario 2011). Prior to the start of the Stage 1 property visit, the Client provided mapping which defined the limits of the study area. These files were then geo-referenced by Stantec's Geographic Information Services (GIS) team and a digital file (i.e., a shape file) was created of the Project's study area. The digital file was uploaded to handheld devices for use in the field.

The Project study area was accessed by publicly accessible roadways. During the property inspection, the weather was sunny to overcast and cool. Visibility of land features was excellent throughout the study area. Lighting and weather conditions were not detrimental to the identification of features of archaeological potential. The photography from the property inspection (see Section 7.1) confirms that the requirements for a Stage 1 property inspection were met, as per Section 1.2 and Section 7.7.2 Standard 1 of the MHSTCI's 2011 *Standards and Guidelines for Consultant Archaeologists* (Government of Ontario 2011).

The Project study area incorporates an area of approximately 11,907 hectares within which the 50 kilometres of proposed new Supply and Reinforcement Laterals is incorporated. The Stage 1 property inspection consisted of reviewing and photographing the general conditions of the PPR and specific areas of interest, such as wet ground, areas of steep slope, and areas of disturbance within the Project study area observable from municipal roadways. No access was provided to private properties. In the Town of Bobcaygeon a sample of photos was taken to provide a general understanding of conditions. However, the Town of Bobcaygeon is considered to have general archaeological potential.

3.0 ANALYSIS AND CONCLUSIONS

Archaeological potential is established by determining the likelihood that archaeological resources may be present on a subject property. Stantec applied archaeological potential criteria commonly used by the Ontario MHSTCI (Government of Ontario 2011) to determine areas of archaeological potential within the region under study. These variables include proximity to previously identified archaeological sites, distance to various types of water sources, soil texture and drainage, glacial geomorphology, elevated topography and the general topographic variability of the area.

Distance to modern or ancient water sources is generally accepted as the most important determinant of past human settlement patterns and considered alone, may result in a determination of archaeological potential. However, any combination of two or more other criteria, such as well-drained soils or topographic variability, may also indicate archaeological potential. Finally, extensive land disturbance can eradicate archaeological potential (Government of Ontario 2011).

Distance to water is an essential factor in archaeological potential modeling. When evaluating distance to water it is important to distinguish between water and shoreline, as well as natural and artificial water sources, as these features affect site locations and types to varying degrees. The MHSTCI (Government of Ontario 2011) categorizes water sources in the following manner:

- Primary water sources: lakes, rivers, streams, creeks.
- Secondary water sources: intermittent streams and creeks, springs, marshes and swamps.
- Past water sources: glacial lake shorelines, relic river or stream channels, cobble beaches, shorelines of drained lakes or marshes.
- Accessible or inaccessible shorelines: high bluffs, swamp or marshy lake edges, sandbars stretching into marsh.

The Project study area is well situated with respect to potable water sources. Much of the Project study area is located near Pigeon Lake and Sturgeon Lake. Notable watercourse drainages within the Project study area include Pigeon River, Bobcaygeon River, Emily Creek, Jackson Creek, and Stony Creek. Additionally, there are several small, unnamed watercourses that drain marshy areas into Pigeon Lake.

Soil texture can be an important determinant of past settlement, usually in combination with other factors such as topography. The Project study area contains several well drained soils suitable for Indigenous and Euro-Canadian cultivation (Brighton sandy loam, Dundonald sandy loam, Dummer loam, Otonabee loam, and Tecumseth sandy loam). There are, however, fairly widespread occurrences of less suitable soil types which have poor or excessive drainage.

There are three registered pre-contact Indigenous sites within one kilometre of the Project study area, and several more known sites outside of that one-kilometre buffer. The Trent River system is one of the most important drainages for pre- and post-contact Indigenous occupation and travel and archaeological sites are documented throughout its length.

For Euro-Canadian sites, archaeological potential can be extended to areas of early Euro-Canadian settlement, including places of military or pioneer settlements; early transportation routes; properties listed on the municipal register or designated under the *Ontario Heritage Act* (Government of Ontario 1990a); and properties that local histories or informants have identified with possible historical events, activities or occupations. Much of the study area was initially settled in the early to mid-19th century and by the late 19th century settlement had occurred over most of the lands in and around the Project study area. The Bobcaygeon Lock was the first lock constructed for what is now the Trent-Severn waterway, making it an early commercial venture providing ease of movement of vessels between Pigeon and Sturgeon lakes.

When the above listed criteria are applied, the study area demonstrates general potential for the recovery of pre-contact Indigenous, post-contact Indigenous, and Euro-Canadian archaeological resources. However, the property visit has determined that the existing roadway and associated ditches have caused disturbance in the municipal RoW that has removed archaeological potential where those disturbances have occurred. However, the entire width of the RoW has not been disturbed in all areas and those undisturbed portions of the RoW retain archaeological potential. Moreover, some areas of steep slope and low and wet ground were identified during the property visit. These areas have also been determined not to retain archaeological potential.

Several previous archaeological assessments (ASI 2016; EASI 2018: WASI 2012: YNAS 2012, 2014a, 2014b, 2105) have been completed within the Project study area, including one along the PPR of the Supply Lateral to Bobcaygeon. These previous assessments have identified that no further archaeological assessment is required for some portions of the Project study area. Additionally, some recommendations for further assessment were made in three of those reports and those recommendations have been carried forward into the recommendations of this report.

4.0 RECOMMENDATIONS

The Stage 1 archaeological assessment, involving background research and a property inspection, resulted in the determination that portions of the study area were observed to exhibit potential for the identification and recovery of archaeological resources. In accordance with Section 1.3.1 and Section 7.7.4 of the MHSTCI's 2011 *Standards and Guidelines for Consultant Archaeologists* (Government of Ontario 2011), **Stage 2 archaeological assessment is recommended for portions of the study area which have been identified as retaining archaeological potential (Figures 14.1 to 14.11 and Figures 15.1 to 15.17).** Archaeological construction monitoring may be necessary within built-up areas where Stage 2 field assessment is not feasible.

The objective of the Stage 2 archaeological assessment will be to document any archaeological resources within the portions of the study area still retaining archaeological potential and to determine whether these archaeological resources require further assessment. If the Project is constructed within the limits of municipal RoW the Stage 2 archaeological assessment will be conducted through test pit survey as outlined in Section 2.1.2 of the MHSTCI's 2011 *Standards and Guidelines for Consultant Archaeologists* (Government of Ontario 2011). The MHSTCI standards require that each test pit be at least 30 centimetres in diameter, excavated to at least five centimetres into subsoil, and have all soil screened through six-millimetre hardware cloth to facilitate the recovery of any cultural material that may be present. Prior to backfilling, each test pit will be examined for stratigraphy, cultural features, or evidence of fill.

Where Project temporary workspaces, laydowns, or other facilities are to be located outside of the municipal RoW and those areas are within areas of current or recent agricultural activity then Stage 2 archaeological assessment will also include the systematic walking of open ploughed fields at five metre intervals as outlined in Section 2.1.1 of the MHSTCI's 2011 *Standards and Guidelines for Consultant Archaeologists* (Government of Ontario 2011). The MHSTCI standards further require that all agricultural land, both active and inactive, be recently ploughed and sufficiently weathered to improve the visibility of archaeological resources. Ploughing must be deep enough to provide total topsoil exposure, but not deeper than previous ploughing, and must be able to ensure at least 80% ground surface visibility.

Should any additional areas of disturbance or features indicating that archaeological potential has been removed, including permanently wet areas, exposed bedrock, and steep slopes, not previously identified during the Stage 1 property inspection be encountered during the Stage 2 archaeological assessment, they will be documented as outlined in Section 2.1.8 of the MHSTCI's 2011 *Standards and Guidelines for Consultant Archaeologists* (Government of Ontario 2011).

Portions of the Project study area have been subject to previous archaeological assessments (ASI 2016; EASI 2018: WASI 2012: YNAS 2012, 2014a, 2014b, 2105) and specifically some parts of the preferred preliminary routing options have been subject to previous Stage 1 assessment (Jacques Whitford 2006, 2017; Stantec 2016) (Figures 14-1 to 14-6 and 14-9 to 14-11). The recommendations from those reports, both pertaining to the general Project study area and the preferred routing options, have been carried forward to this report including the recommendation for Stage 2 assessment for portions from the



previous Bobcaygeon pipeline route Stage 1 assessment along Pigeon Lake Road and Centreline Road (Jacques Whitford 2006, 2017) and the Fenelon Falls pipeline route along Highway 35 (Stantec 2016).

Any portion of the Project route that is proposed to cross the Bobcaygeon River through property owned by Parks Canada will require assessment under Parks Canada policy and standards, which differ from the MHSTCI *Standards and Guidelines for Consultant Archaeologists.* It should also be noted that these specific areas have the highest degree of archaeological potential. It is recommended that any discussions between the proponent and Parks Canada for permission to conduct assessment and/or access the land for project purposes occur early so that any specific Parks Canada requirements are met.

In addition to the above, the Stage 1 archaeological assessment determined that there are areas within the study area which retain low to no archaeological potential due to previous deep and/or extensive disturbances, typically within the municipal RoW, or presence of permanently wet ground, including in the Bobcaygeon River and Pigeon Lake. In accordance with Section 1.3.2 and Section 7.7.4 of the MHSTCI's 2011 *Standards and Guidelines for Consultant Archaeologists* (Government of Ontario 2011), **Stage 2 archaeological assessment is not required for portions of the study area which retain low to no archaeological potential (Figures 14-1 to 14-11 and Figure 15-1 to 15-17).**

With respect to the property identified as a possible burying ground, Stage 2 assessment of the property has been completed and no archaeological resources were identified and the property has been recommended for no further assessment (NAA *in press*). Avoidance of this property for the current project is suggested, however, for due diligence. Prior to any Stage 2 assessment for the current project the MHSTCI should be contacted to confirm that the recommendations for no further assessment on the property have been accepted, which will help formulate Stage 2 assessment fieldwork planning.

With respect to the Lawrie (BcGp-1) site, the site retains cultural heritage value or interest. A Stage 2 archaeological assessment is recommended to relocate the site. The Stage 2 archaeological assessment will be conducted through test pit survey as outlined in Section 2.1.2 of the MHSTCI's 2011 *Standards and Guidelines for Consultant Archaeologists* (Government of Ontario 2011). The MHSTCI standards require that each test pit be at least 30 centimetres in diameter, excavated to at least five centimetres into subsoil, and have all soil screened through six-millimetre hardware cloth to facilitate the recovery of any cultural material that may be present. Prior to backfilling, each test pit will be examined for stratigraphy, cultural features, or evidence of fill.

If future construction is anticipated near the site before it has been subject to Stage 3 archaeological assessment and it is decided that the site will be avoided**, it is recommended that a temporary protective fence be installed 20 metres away from the site limits during future construction. The archaeological site and its protective buffer will be protected and no construction impacts will be allowed. This protective buffer will extend 20 metres past the limits of the Stage 2 artifact scatter. The construction monitoring zone ranging from 20 metres to 70 metres from the site will also be observed where a licensed archaeologist will be required to monitor any construction activities impacting that zone.**

The portion of the Project study area containing the Bobcaygeon River, Pigeon River, Sturgeon Lake, and Pigeon Lake may retain potential for the identification of marine archaeological resources (Figure 6). At

this time, no construction impacts to the Bobcaygeon River, Pigeon River, Sturgeon Lake, or Pigeon Lake are anticipated as part of the Project. Thus, no marine archaeological assessment is required. However, if it is determined that in-water impacts to the Bobcaygeon River, Pigeon River, Sturgeon Lake, or Pigeon Lake will occur as part of the Project, it is recommended that potential for marine archaeological resources be evaluated using the MHSTCI's Criteria for Evaluating Marine Archaeological Potential Checklist.

Since even thorough archaeological assessments might miss some archaeological resources or relevant information, if any artifacts of Indigenous interest or human remains are encountered during the development of the subject property, please contact:

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Government Services Building
22 Winookeedaa Road
Curve Lake, Ontario K0L1R0
Tel: (705) 657-8045
E-mail: juliek@curvelake.ca

Nation Huronne-Wendat
Bureau du Nionwentsïo
255 Place Chef Michel Laveau
Wendake, Québec G0A 4V0
Tel: (418) 843-3767
E-mail: dominic.ste-marie@wendake.ca

Archaeological sites recommended for further archaeological fieldwork or protection remain subject to Section 48(1) of the *Ontario Heritage Act* and may not be altered, or have artifacts removed from them, except by a person holding an archaeological license.

The MHSTCI is asked to accept this report into the Ontario Public Register of Archaeological Reports.

5.0 ADVICE ON COMPLIANCE WITH LEGISLATION

In accordance with Section 7.5.9 of the MHSTCI's 2011 Standards and Guidelines for Consultant Archaeologists (Government of Ontario 2011), the following standard statements are a required component of archaeological reporting and are provided verbatim from the MHSTCI's 2011 Standards and Guidelines for Consultant Archaeologists (Government of Ontario 2011).

This report is submitted to the Minister of Heritage, Sport, Tourism and Culture Industries as a condition of licensing in accordance with Part VI of the *Ontario Heritage Act*, R.S.O. 1990, c. O.18 (Government of Ontario 1990a). The report is reviewed to ensure that it complies with the standards and guidelines that are issued by the Minister, and that the archaeological fieldwork and report recommendations ensure the conservation, protection and preservation of the cultural heritage of Ontario. When all matters relating to archaeological sites within the project area of a development proposal have been addressed to the satisfaction of the Ministry of Heritage, Sport, Tourism and Culture Industries, a letter will be issued by the ministry stating that there are no further concerns with regard to alterations to archaeological sites by the proposed development.

It is an offence under Sections 48 and 69 of the *Ontario Heritage Act* (Government of Ontario 1990a) for any party other than a licensed archaeologist to make any alteration to a known archaeological site or to remove any artifact or other physical evidence of past human use or activity from the site, until such time as a licensed archaeologist has completed fieldwork on the site, submitted a report to the Minister stating that the site has no further cultural heritage value or interest, and the report has been filed in the Ontario Public Register of Archaeological Reports referred to in Section 65.1 of the *Ontario Heritage Act* (Government of Ontario 1990a).

Should previously undocumented archaeological resources be discovered, they may be a new archaeological site and therefore subject to Section 48(1) of the *Ontario Heritage Act* (Government of Ontario 1990a). The proponent or person discovering the archaeological resources must cease alteration of the site immediately and engage a licensed consultant archaeologist to carry out archaeological fieldwork, in compliance with Section 48(1) of the *Ontario Heritage Act* (Government of Ontario 1990a).

The *Funeral, Burial and Cremation Services Act*, 2002, S.O. 2002, c. 33 (Government of Ontario 2002) requires that any person discovering human remains must notify the police or coroner and the Registrar of Cemeteries at the Ministry of Government and Consumer Services.

Archaeological sites recommended for further archaeological fieldwork or protection remain subject to Section 48(1) of the *Ontario Heritage Act* (Government of Ontario 1990a) and may not be altered, or have artifacts removed, except by a person holding an archaeological licence.

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7.0 PHOTOS

7.1 IMAGES

Photo 1: South end of Project study area, showing disturbed RoW and Enbridge pipeline, facing west



Photo 2: South end of Project study area, showing disturbed RoW and undisturbed land to east, facing south



Photo 3: View of disturbed RoW and area of extensive wetland in background, undisturbed scrubland to east and west, facing southeast



Photo 4: View of disturbed RoW; agricultural fields in background, undisturbed scrubland to east and west, facing east



Photos

Photo 5: Disturbed RoW in Mount Pleasant, facing north



Photo 6: Disturbed RoW and steep slope up to road grade, facing south



Photo 7: Disturbed RoW and adjacent undisturbed scrubland and agricultural fields, facing northwest



Photo 8: Disturbed RoW and adjacent undisturbed lawn and wooded area, facing northwest



Photos

Photo 9: Low and permanently wet area along Traceys Hill Road, facing southwest



Photo 10: Disturbed right of way and undisturbed wooded areas to north and south, facing southwest



Photo 11: Disturbed RoW with undisturbed agricultural fields adjacent, facing southwest



Photo 12: Disturbed RoW with undisturbed forest and scrubland adjacent, facing south



Photos

Photo 13: Disturbed cul-de-sac, RoW and residential development, facing northeast



Photo 14: Disturbed Row and low-density residential development, facing south



Photo 15: Disturbed RoW and undisturbed adjacent scrubland and forest, facing east



Photo 16: Residential development, with disturbed RoW, driveways and ditching, and likely disturbed manicured lawns, facing northeast



Photos

Photo 17: Residential development, with disturbed RoW, driveways and ditching, below grade utilities and likely disturbed manicured lawns, facing east



Photo 18: Undisturbed wooded area at north end of residential development, facing northwest



Photo 19: Residential development, disturbed roadway, potentially minimally disturbed manicured lawns, facing northeast



Photo 20: Disturbed roadway, undisturbed wooded areas adjacent, facing west



Photos

Photo 21: View of previous RoW disturbance down to bedrock, Town of Bobcaygeon, facing north



Photo 22: Typical streetscape in Town of Bobcaygeon showing disturbed RoW and manicured lawns, facing northeast



Photo 23: Mt. Horeb Road, disturbed Row, area of low and wet ground to north and undisturbed wooded areas to north and south of road, looking southwest



Photo 24: Mt. Horeb Road, road cut into drumlin, disturbed RoW and sloped grade, undisturbed agricultural fields beyond edge of grade and in background, facing northeast



Photos

Photo 25: Mt. Horeb Road at Highway 35, road cut into drumlin, disturbed RoW and sloped grade, undisturbed agricultural fields and wooded areas beyond edge of grade, facing northeast

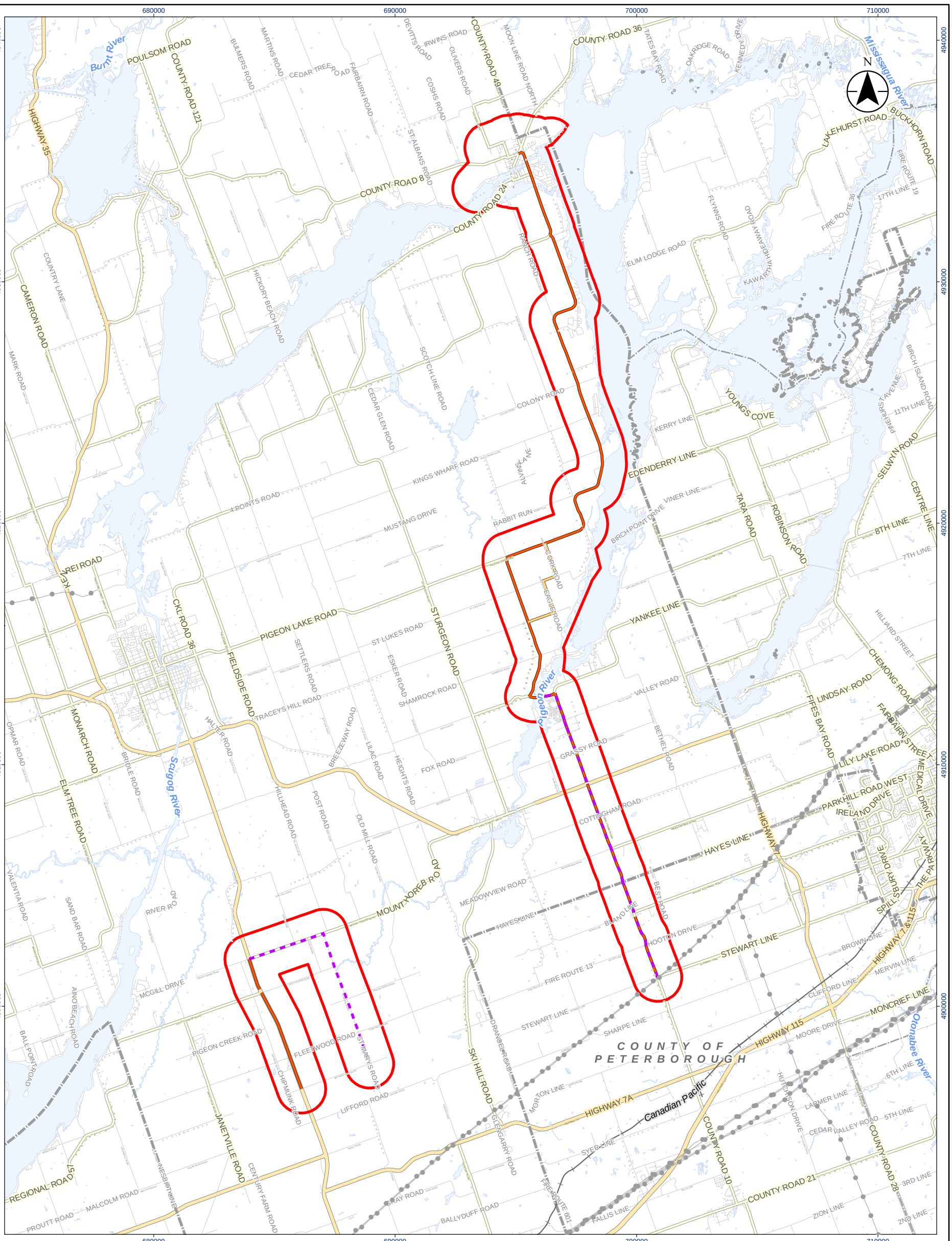


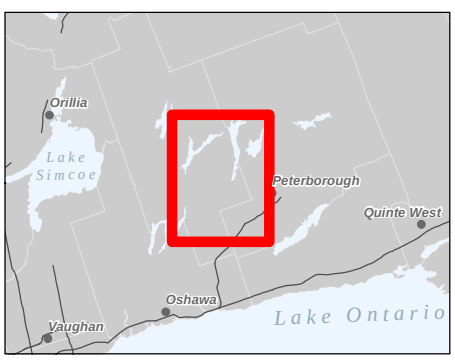
Photo 26: Pigeon River and associated wetlands along banks, low and permanently wet, facing northwest



8.0 MAPS

All maps will follow on succeeding pages.





Notes

1. Coordinate System: NAD 1983 UTM Zone 17N
2. Base features produced under license with the Ontario Ministry of Natural Resources and Forestry © Queen's Printer for Ontario, 2017.

Legend

- Preliminary Preferred Route for Supply Lateral
- Alternative Route for Supply Lateral
- Alternative Route for Reinforcement
- Study Area
- Hydro Line
- Expressway / Highway
- Major Road
- Minor Road
- Municipal Boundary
- Municipal Boundary, Lower
- Waterbody

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1:160,000 (At Original document size of 11x17)

Stantec ENBRIDGE

Project Location
City of Kawartha Lakes and County of Peterborough

160951282 REVA
Prepared by KB on 2022-03-01
Technical Review by SE on 2021-11-05

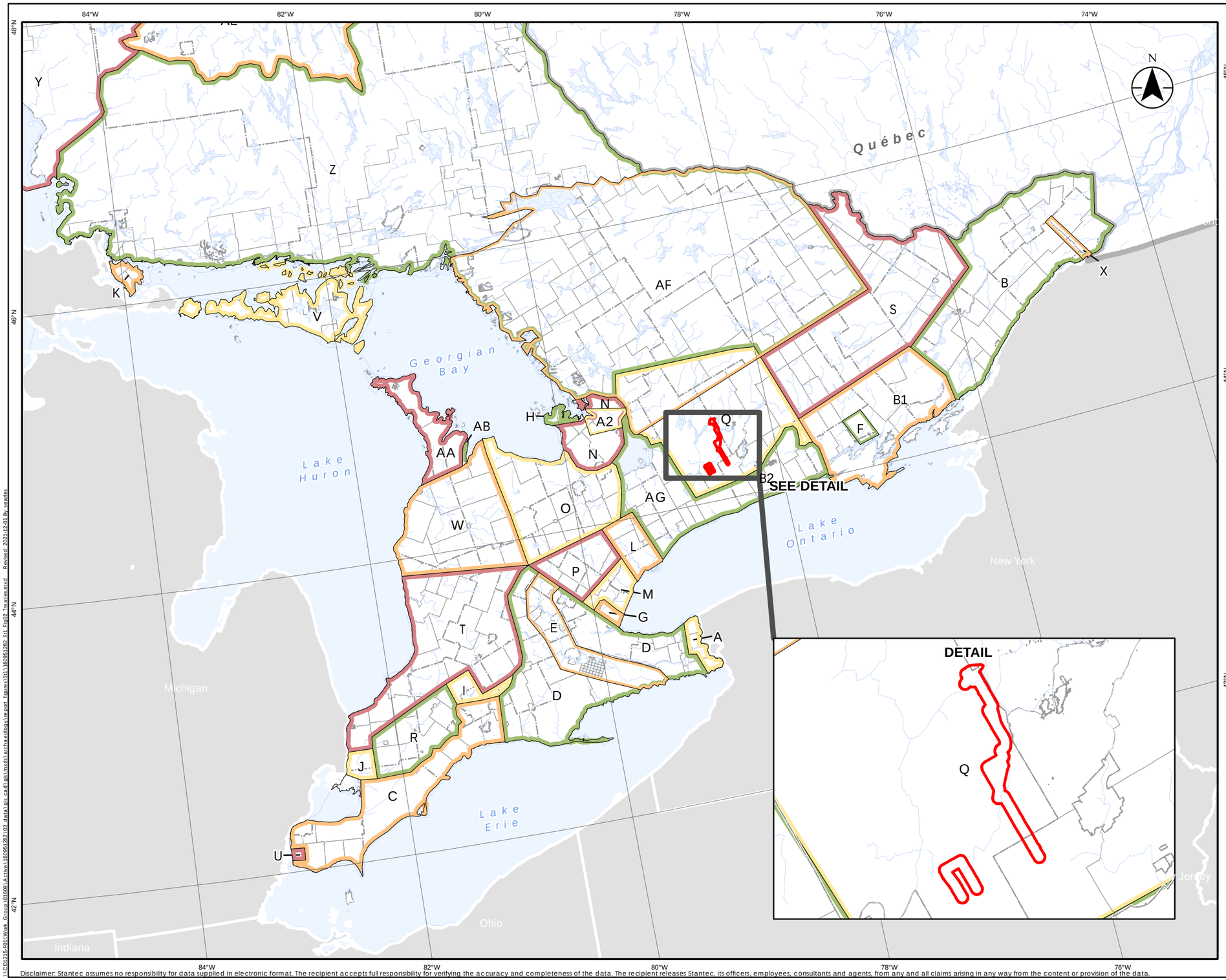
Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Figure No.
1

Title
Project Location - Overview

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Stantec

Legend

- Study Area
- Waterbody
- Municipal Boundary - Upper Tier
- Municipal Boundary - Lower or Single Tier

A	Treaty No. 381, May 9th, 1781 (Mississauga and Chippewa)
AA	Treaty No. 72, October 30th, 1854 (Chippewa)
AB	Treaty No. 82, February 9th, 1857 (Chippewa)
AE	Treaty No. 9, James Bay 1905, 1906 (Ojibway and Cree)
AF	Williams Treaty, October 31st and November 15th, 1923 (Chippewa and Mississauga)
AG	Williams Treaty, October 31st, 1923 (Chippewa)
A2	John Collins' Purchase, 1785 (Chippewa)
B	Crawford's Purchase, October 9th, 1783 (Algonquin and Iroquois)
B1	Crawford's Purchase, October 9th, 1783 (Mississauga)
B2	Crawford's Purchase, 1783, 1787, 1788 (Mississauga)
C	Treaty No. 2, May 19th, 1790 (Odawa, Chippewa, Pottawatomi, and Huron)
D	Treaty No. 3, December 2nd, 1792 (Mississauga)
E	Haldimand Tract: from the Crown to the Mohawk, 1793
F	Tyendinaga: from the Crown to the Mohawk, 1793
G	Treaty No. 3 3/4: from the Crown to Joseph Brant, October 24th, 1795
H	Treaty No. 5, May 22nd, 1798 (Chippewa)
I	Treaty No. 6, September 7th, 1796 (Chippewa)
J	Treaty No. 7, September 7th, 1796 (Chippewa)
K	Treaty No. 11, June 30th, 1798 (Chippewa)
L	Treaty No. 13, August 1st, 1805 (Mississauga)
M	Treaty No. 13A, August 2nd, 1805 (Mississauga)
N	Treaty No. 16, November 18th, 1815 (Chippewa)
O	Treaty No. 18, October 17th, 1818 (Chippewa)
P	Treaty No. 19, October 28th 1818 (Chippewa)
Q	Treaty No. 20, November 5th, 1818 (Chippewa)
R	Treaty No. 21, March 9th, 1819 (Chippewa)
S	Treaty No. 27, May 31st, 1819 (Mississauga)
T	Treaty No. 27½, April 25th, 1825 (Ojibwa and Chippewa)
U	Treaty No. 35, August 13th, 1833 (Wyandot or Huron)
V	Treaty No. 45, August 9th, 1836 (Chippewa and Odawa, "For All Indians To Reside Thereon")
W	Treaty No. 45½, August 9th, 1836 (Saugeen)
X	Treaty No. 57, June 1st, 1847 (Iroquois of St. Regis)
Y	Treaty No. 60, Robinson, Superior, September 7th, 1850 (Ojibwa)
Z	Treaty No. 61, Robinson, Huron, September 9th, 1850 (Ojibwa)

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Notes

1. Coordinate System: NAD 1983 Statistics Canada Lambert
2. Base features produced under license with the Ontario Ministry of Natural Resources and Forestry © Queen's Printer for Ontario, 2021.
3. Treaty boundaries adapted from Morris 1943 (1964 reprint). For cartographic representation only.

Project Location
City of Kawartha Lakes and County of Peterborough

160951282 REVA
Prepared by KB on 2021-12-01
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Figure No.
2

Title
Treaties and Purchases (Adapted from Morris 1943)

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JOSEPH T. SK
GEORGE DOUGLAS,
GENERAL MERCHANT.
NORMAN MUITERN,
Manufacturer and Dealer in Harness,
Collars, Whips, etc.
ANDREW LUKE, M.B., M.C.P. & S.,
PHYSICIAN AND SURGEON.
BOBCAYGEON
LAKE
SCUGOG
LAKE
SIMCOE
LAKE
EMILY
LAKE
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DUNSFORD P.O
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MMCMHLXXV
MMCMHLXXVI
MMCMHLXXVII
MMCMHLXXVIII
MMCMHLXXIX
MMCMHLXXX
MMCMHLXXXI
MMCMHLXXXII
MMCMHLXXXIII
MMCMHLXXXIV
MMCMHLXXXV
MMCMHLXXXVI
MMCMHLXXXVII
MMCMHLXXXVIII
MMCMHLXXXIX
MMCMHXC
MMCMHXCI
MMCMHXCII
MMCMHXCIII



Stantec

Legend

Study Area

Figure Not to Scale

Notes

1. Source: Belden, H.. 1881. Victoria Supplement in Illustrated atlas of the Dominion of Canada. Toronto: H. Belden & Co.



Project Location City of Kawartha Lakes and County of Peterborough	160951282 REVA Prepared by KB on 2021-12-01 Technical Review by SE on 2021-11-05

Client/Project

ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Figure No.

4

Title

Study Area as Shown Over 1881 Map of Verulam Township

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Stantec

Legend

Study Area

Figure Not to Scale

Notes

1. Source: Kains, T., 1877. Map of the County of Victoria, Province of Ontario. Library and Archives Canada, National Map Collection, H2/420/Victoria/1877.

Project Location City of Kawartha Lakes and County of Peterborough	160951282 REVA Prepared by KB on 2021-12-01 Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

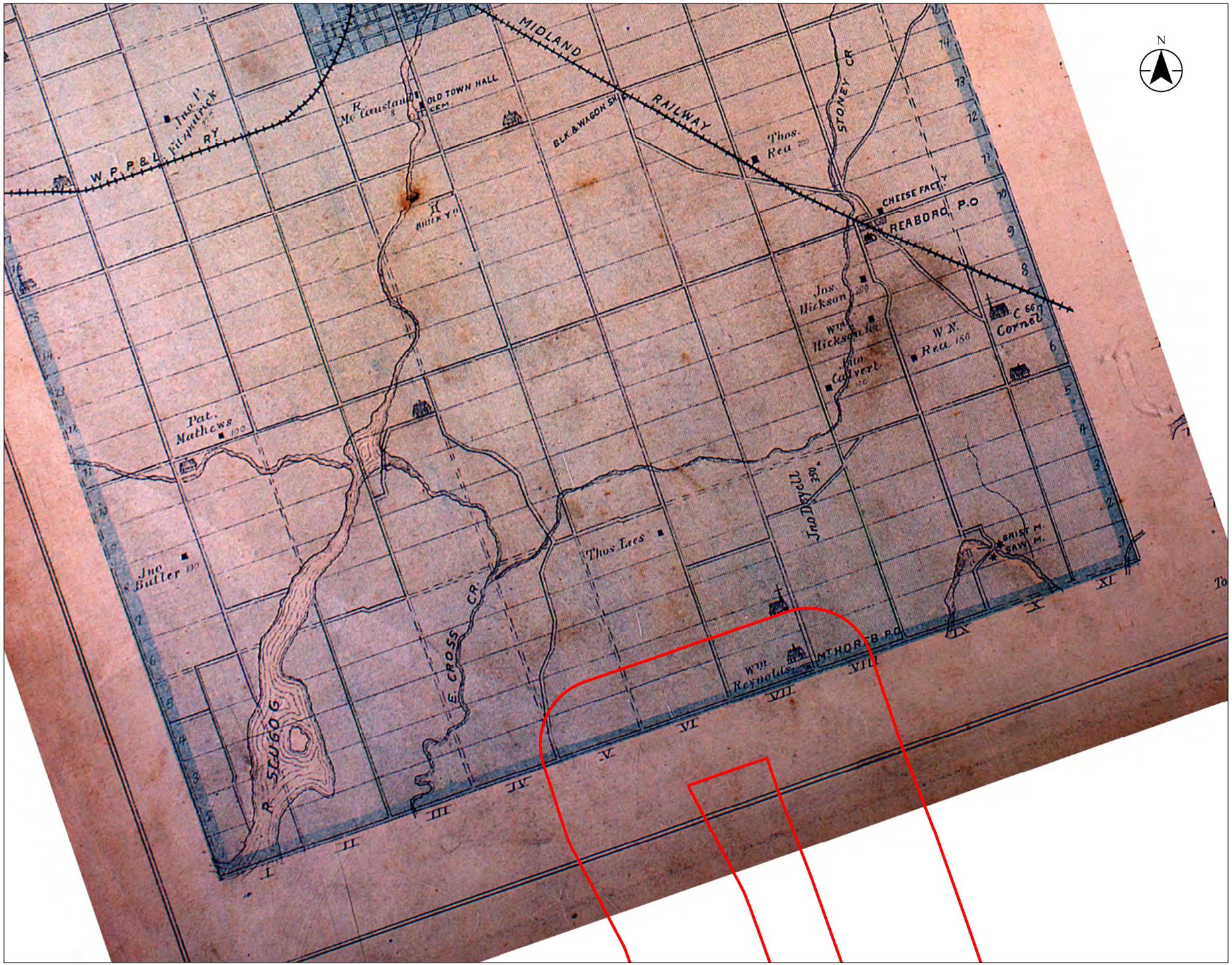
Figure No.
5

Title
Study Area as Shown Over 1877 Map of Emily Township

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MAP OF
Scale: 100 Chains per Inch.
EMILY
PIGEON LAKE
EMILY CREEK
PIGEON RIVER
Alex Barnett
Thos. Scott
Wm. Scott
Gabriel Swackhamer
George Ruth
Wm. Ruth
Chas. Miller
Jno. Wesley Sherin
Jno. Wesley Sherin
Jno. Wesley Sherin



Stantec

Legend

Study Area

Figure Not to Scale

Notes

1. Source: Belden, H., 1881. Victoria Supplement in Illustrated atlas of the Dominion of Canada. Toronto: H. Belden & Co.



Project Location
City of Kawartha Lakes and County of Peterborough

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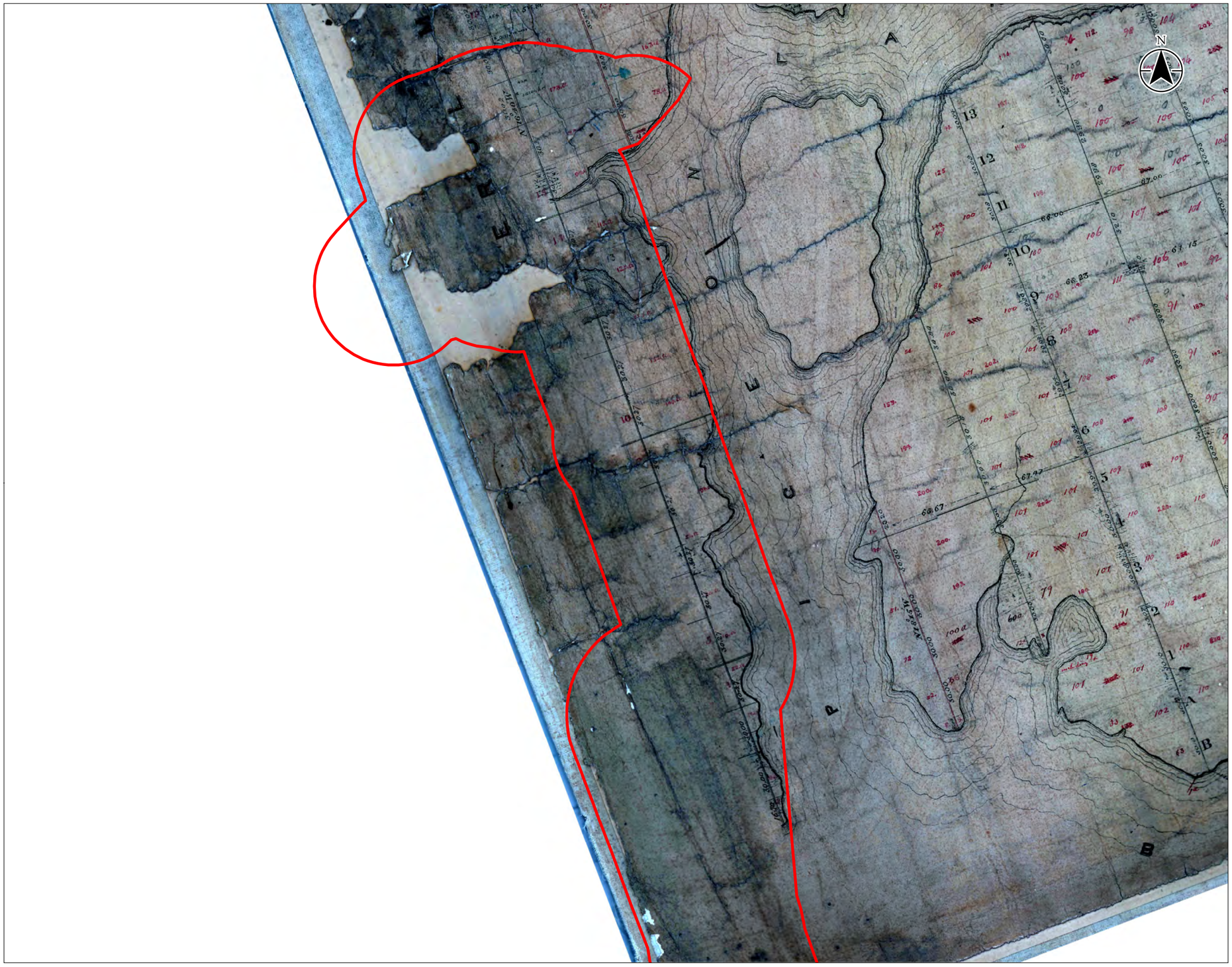
Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Figure No.
7

Title
Study Area as Shown Over 1881 Map of Ops Township

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Stantec

Legend

Study Area

Figure Not to Scale

Notes

1. Source: Clementi, Theodore. 1865. Harvey (No.28). Map on file with the Ministry of Natural Resources and Forestry, Peterborough.



Project Location
City of Kawartha Lakes and County of Peterborough

160951282 REVA
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Technical Review by SE on 2021-11-05

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Figure No.
8

Title
Study Area as Shown Over 1865 Survey of Harvey Township

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Legend

Study Area

Figure Not to Scale

Notes

1. Source: Miles and Co. 1879. County of Peterborough. Toronto : Miles & Co.



Project Location
City of Kawartha Lakes and County of Peterborough

160951282 REVA
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PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Figure No.
9

Title
Study Area as Shown Over 1879 Map of Harvey Township

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Stantec

Legend

Study Area

Figure Not to Scale

Notes

1. Source: Tremaine, Geo. C. 1861. Tremaine's Map of the County of Durham, Upper Canada. Toronto: Geo. C. Tremaine.



Project Location
City of Kawartha Lakes and County of Peterborough

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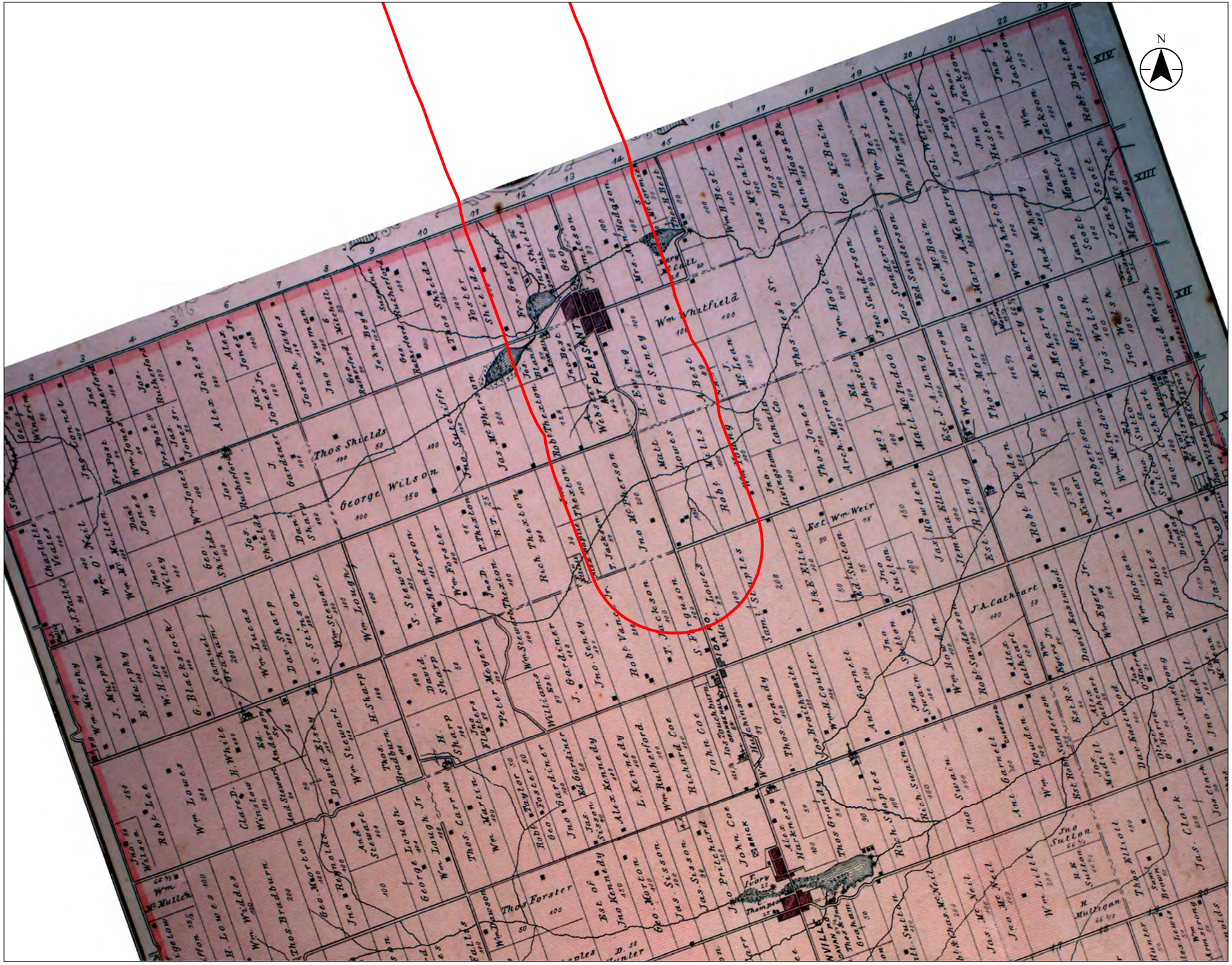
Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

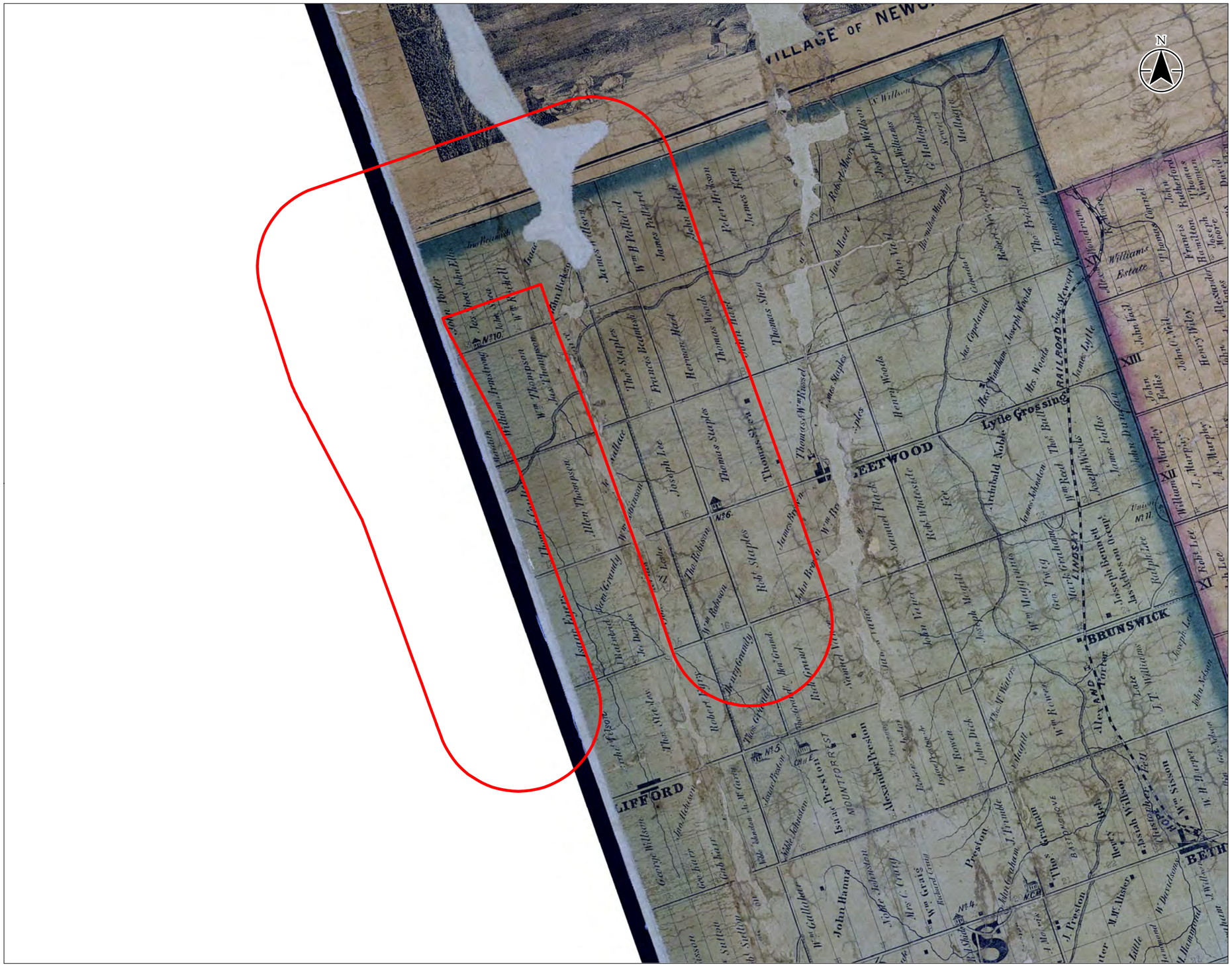
Figure No.
10

Title
Study Area as Shown over 1861 Map of Cavan Township

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N
XIV
XIII
XII
Wm Whitfield
Thos Shields
George Wilson
Robt Dunlap
Jno Jackson
Jno Huston
Wm Jackson
Jane Scott
Mary McInnes
Jno Jones Sr
Alex Jones Jr
Jas Jr
Jno Newman
Jno Best
Wm H Best
Jas McCall
Jno Hossack
Geo McBain
Thos Henderson
Jas Peggett
Wm Best
Jno Sanderson
Ed Sanderson
Geo McBain
Mary A McHarry
Wm Johnston
Jno McIndoo
Jno Walsh
Jos Walsh
David Walsh
R McHarry
H B McHarry
Wm McIndoo
Jos Walsh
Jno Walsh
Thos Morrow
Wm A Morrow
Est J A Lang
Jno Johnston
Thos Jones
Arch McI
Jno Livingstone
Canada Co
Malt McIndoo
Robt McIlls
Jno Best
Geo Seney
H Eakins
Robt Thexton
Jno Best
Jos McPherson
Jno Shibbeliffe
Thos Shields
Jos Stewart
Jno Wiley
Geo Shields
Jos Shields
Jno Lucas
Wm Sharp
Dan Sharp
S Stinson
Samuel Graham
G Blackstock
H White
Wm Lowes
Robt Lee
Jno Wilson
Wm McMullen
Thos Bradburn
Wm Widdes
H Lowes
Jno Reynolds
Geo Norton
Thos Forster
Jno Kennedy
Est of Kennedy
Jas Sisson
Geo Sisson
Jno Morton
Geo Lough
Wm Lough Jr
Wm Lough
Thos Carr
Thos Martin
Wm Lough
Jno Lough Jr
Jno Lough
Jno Stewart
Wm Stewart
David Stewart
Jno Stewart
Jno Newman
Josiah Hayes
Jno Conner
Jno Rutherford
Fra Post
Wm Jones
Jos Rutherford
Jas Sr
Jas Jones Sr
Alex Jones Jr
Jas Jr
J Gardiner
Thos Shields
Jno Shibbeliffe
Jos McPherson
Robt Thexton
Jno Best
Wm Best
Jno Best
Jno Best
Jno



Stantec

Legend

Study Area

Figure Not to Scale

Notes

1. Source: Belden & Co. 1878. Illustrated Historical Atlas of the Counties of Northumberland and Durham. Toronto: Union Publishing Company.

Project Location
City of Kawartha Lakes and County of Peterborough

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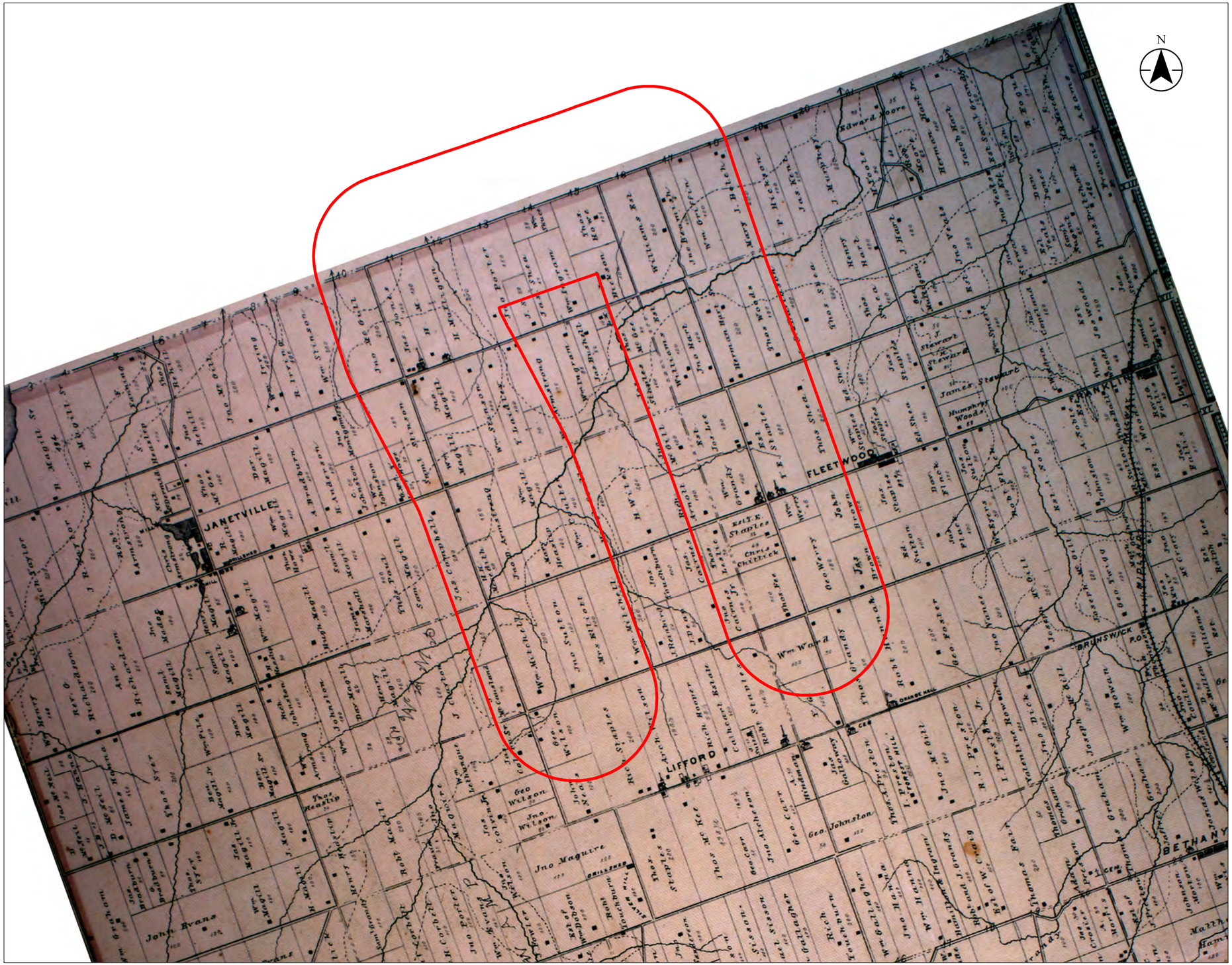
Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Figure No.
12

Title
Study Area as Shown over 1861 Map of Manvers Township

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Stantec

Legend
Study Area

Figure Not to Scale

Notes
1. Source: Tremaine, Geo. C. 1861. Tremaine's Map of the County of Durham, Upper Canada. Toronto: Geo. C. Tremaine.



Project Location
City of Kawartha Lakes and County of Peterborough

160951282 REVA
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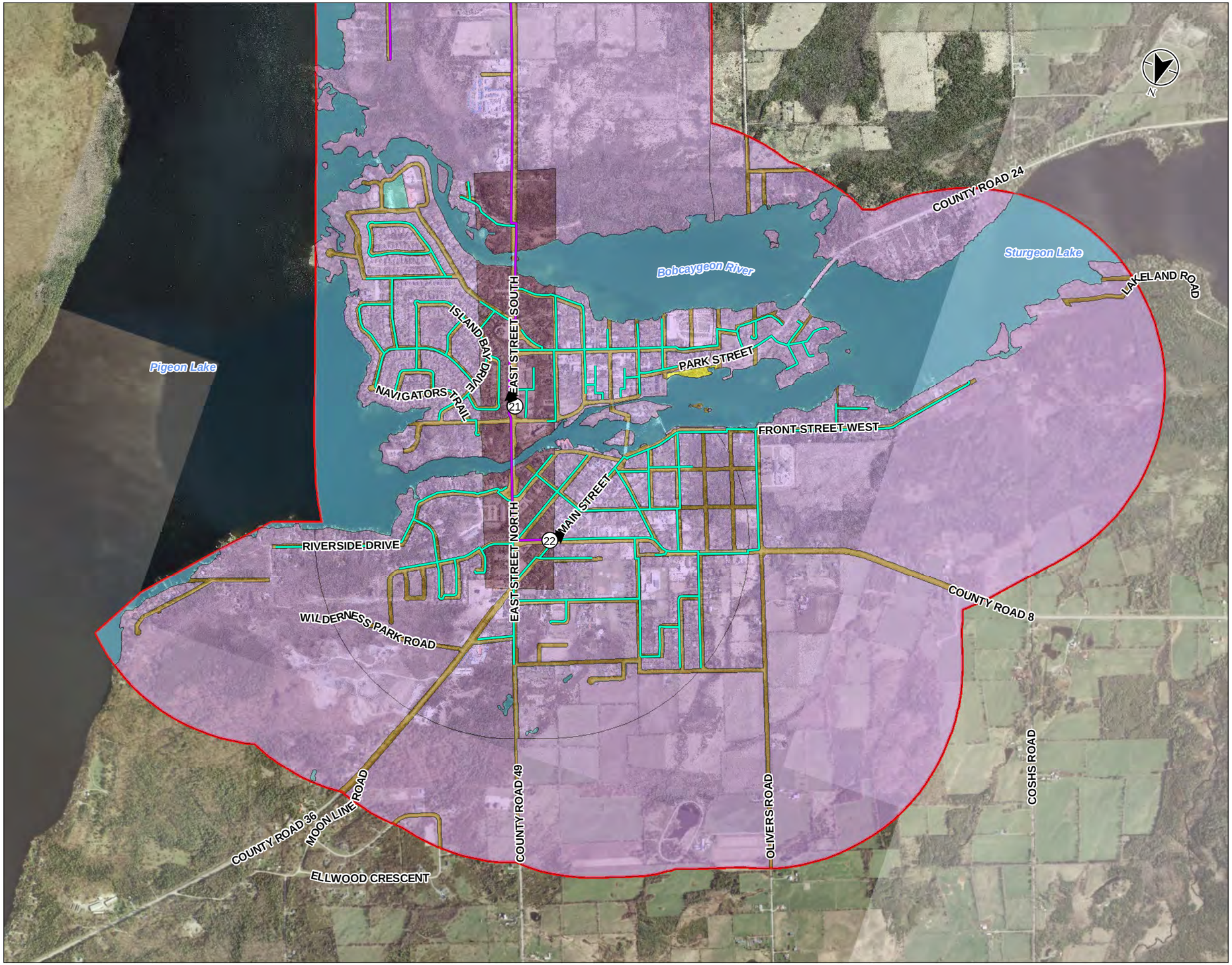
Client/Project
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Figure No.
13

Title
Study Area as Shown Over 1878 Map of Manvers Township

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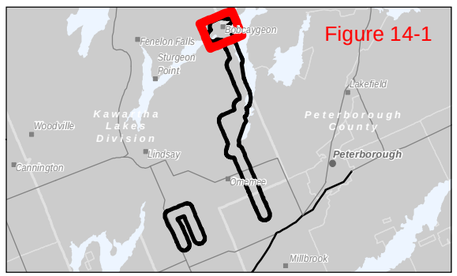
Enbridge Gas Features
- Preferred Route (Phase 2)
- Preferred Route (Phase 3)

Archaeology Features
- Archaeology Photo Log
- Study Area

Assessment Method
- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required
- Area of General Archaeological Potential - Stage 2 Recommended
- Possible Burying Ground
- Previously Assessed, ASI 2016 - No Further Assessment Recommended
- Previously Assessed, Jacques Whitford 2006 – Areas recommended For Stage 2 Assessment

0 250 500
Metres
1:20,000 (At original document size of 11x17)

Notes
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Project Location
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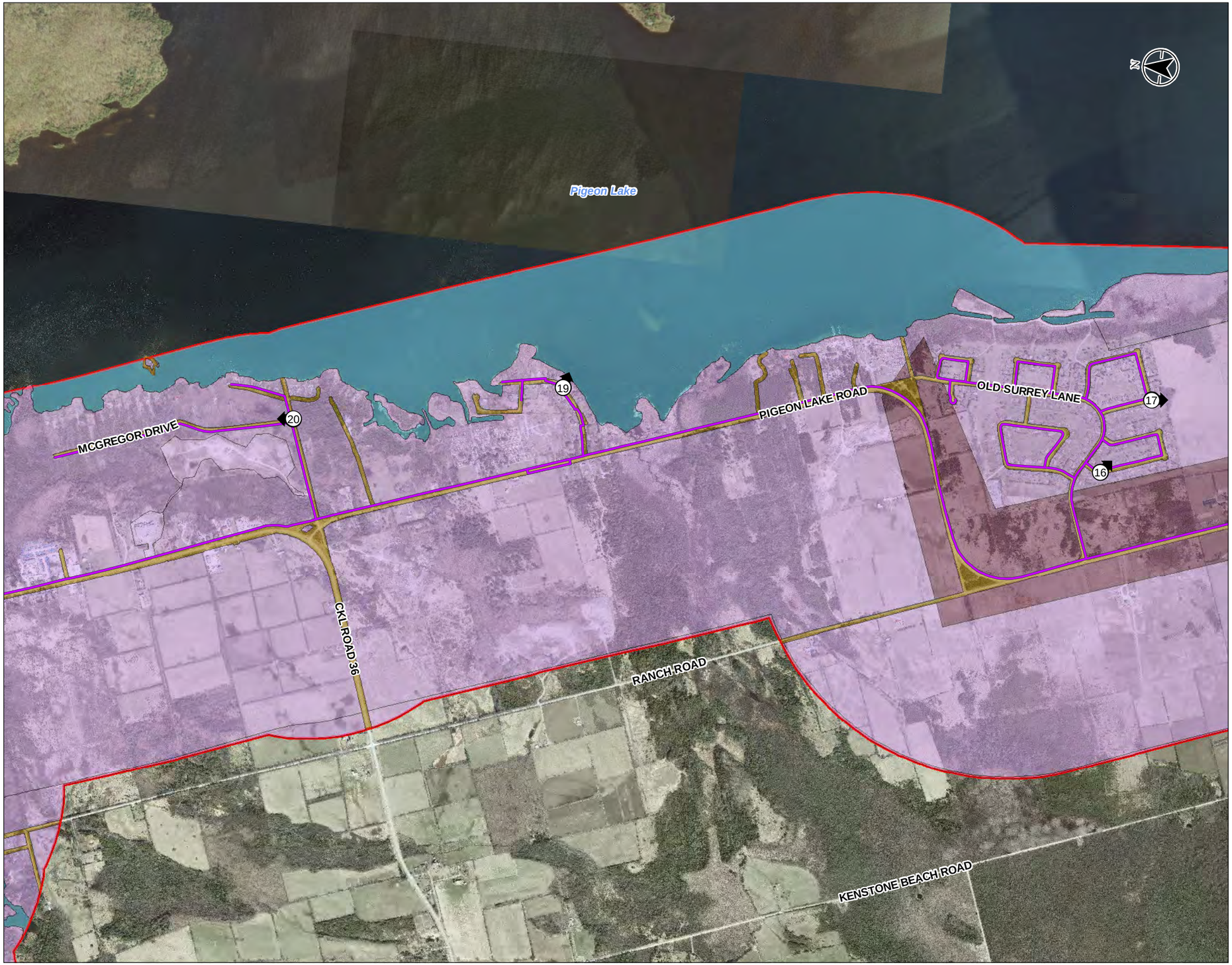
Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Figure No.
14-1

Title
Stage 1-2 Methods and Results

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Enbridge Gas Features

- Preferred Route (Phase 2)

Archaeology Features

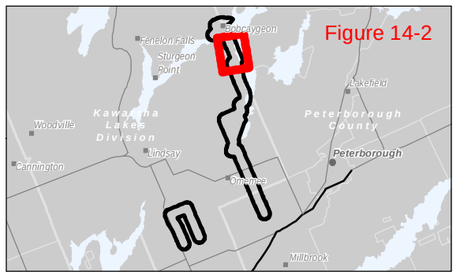
- Archaeology Photo Log
- Study Area

Assessment Method

- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required
- Area of General Archaeological Potential - Stage 2 Recommended
- Previously Assessed, Jacques Whitford 2006 – Areas recommended For Stage 2 Assessment

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Project Location
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160951282 REVA
Prepared by KB on 2022-08-26
Technical Review by SE on 2021-11-05

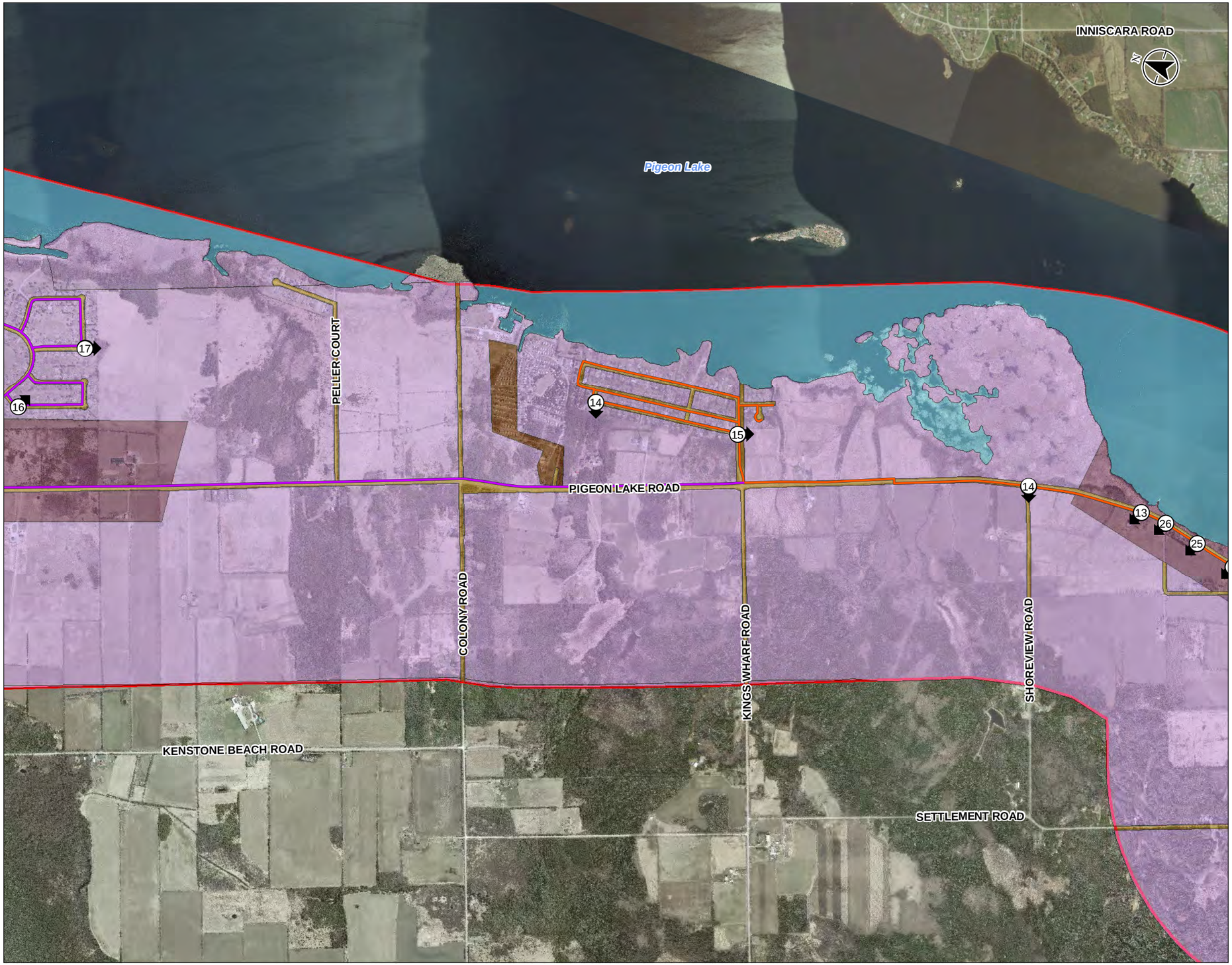
Client/Project
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PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Figure No.
14-2

Title
Stage 1-2 Methods and Results

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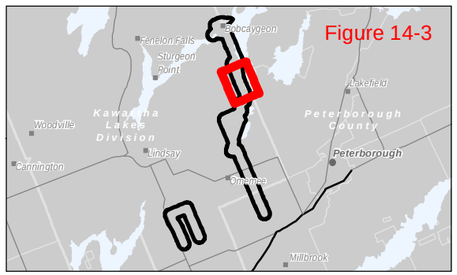
Enbridge Gas Features
- Preferred Route (Phase 1)
- Preferred Route (Phase 2)

Archaeology Features
- Archaeology Photo Log
- Study Area

Assessment Method
- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required
- Area of General Archaeological Potential - Stage 2 Recommended
- Previously Assessed, Jacques Whitford 2006 – Areas recommended For Stage 2 Assessment
- Previously Assessed, YNAS 2014a, 2014b- No Further Assessment Recommended

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Project Location
City of Kawartha Lakes and County of Peterborough

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Technical Review by SE on 2021-11-05

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ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Figure No.
14-3

Title
Stage 1-2 Methods and Results

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Stantec

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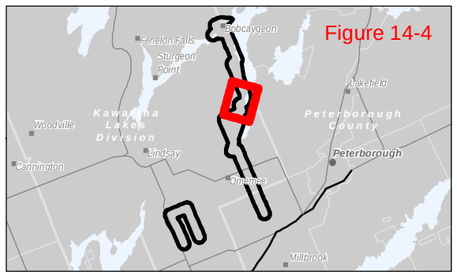
Enbridge Gas Features
- Preferred Route (Phase 1)
- Preferred Route (Phase 2)

Archaeology Features
- Archaeology Photo Log
- Study Area

Assessment Method
- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required
- Area of General Archaeological Potential - Stage 2 Recommended
- Previously Assessed, Jacques Whitford 2006 – Areas recommended For Stage 2 Assessment
- Previously Assessed, YNAS 2012 - No Further Assessment Recommended

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Notes
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Project Location
City of Kawartha Lakes and County of Peterborough

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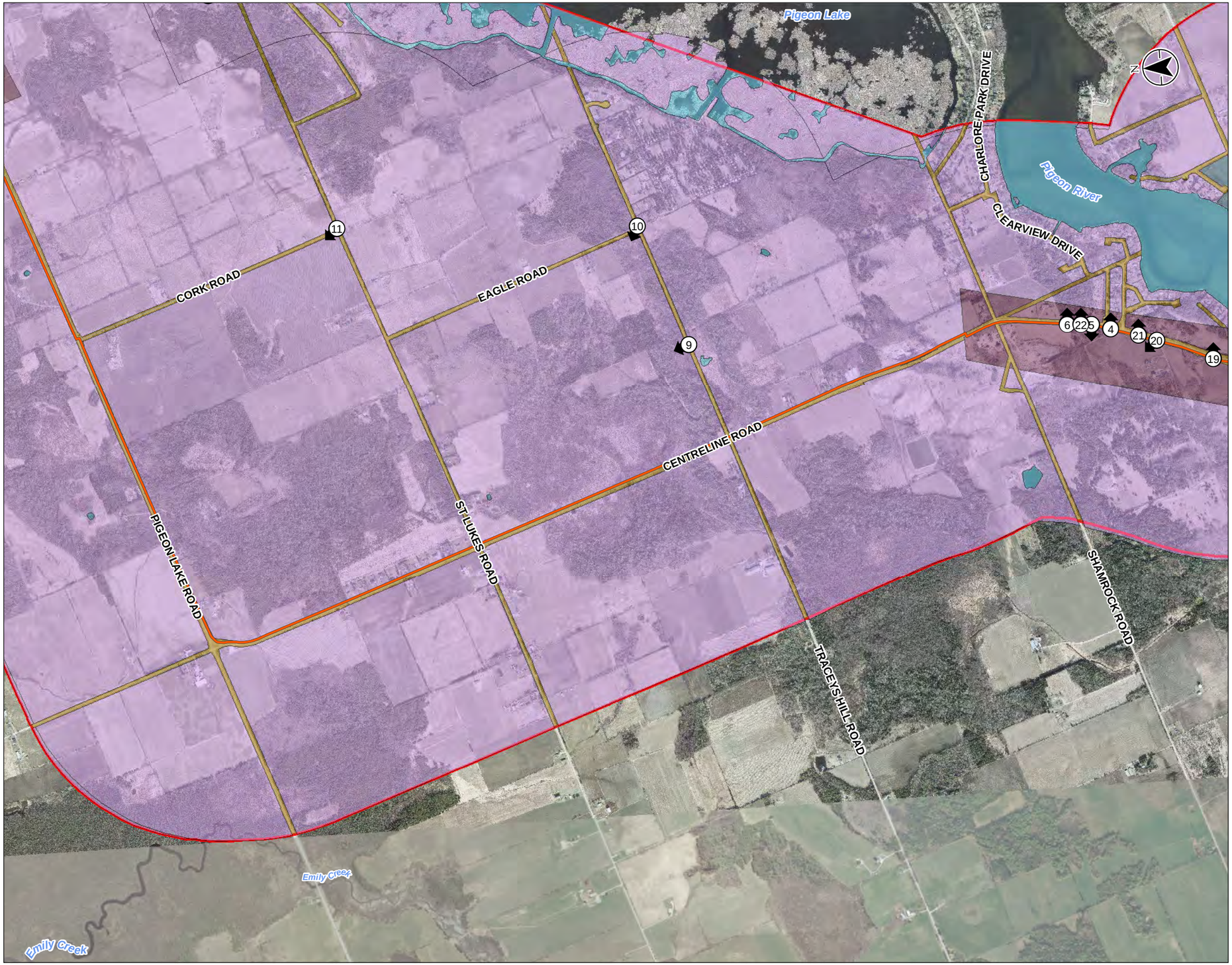
Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Figure No.
14-4

Title
Stage 1-2 Methods and Results

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Stantec

Legend

Enbridge Gas Features

- Preferred Route (Phase 1)

Archaeology Features

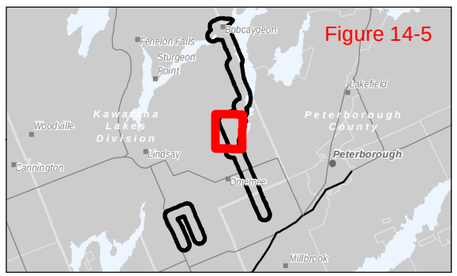
- Archaeology Photo Log
- Study Area

Assessment Method

- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required
- Area of General Archaeological Potential - Stage 2 Recommended
- Previously Assessed, EASI 2018 - No Further Assessment Recommended
- Previously Assessed, Jacques Whitford 2006 – Areas recommended For Stage 2 Assessment

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Notes
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Project Location
City of Kawartha Lakes and County of Peterborough

160951282 REVA
Prepared by KB on 2022-08-26
Technical Review by SE on 2021-11-05

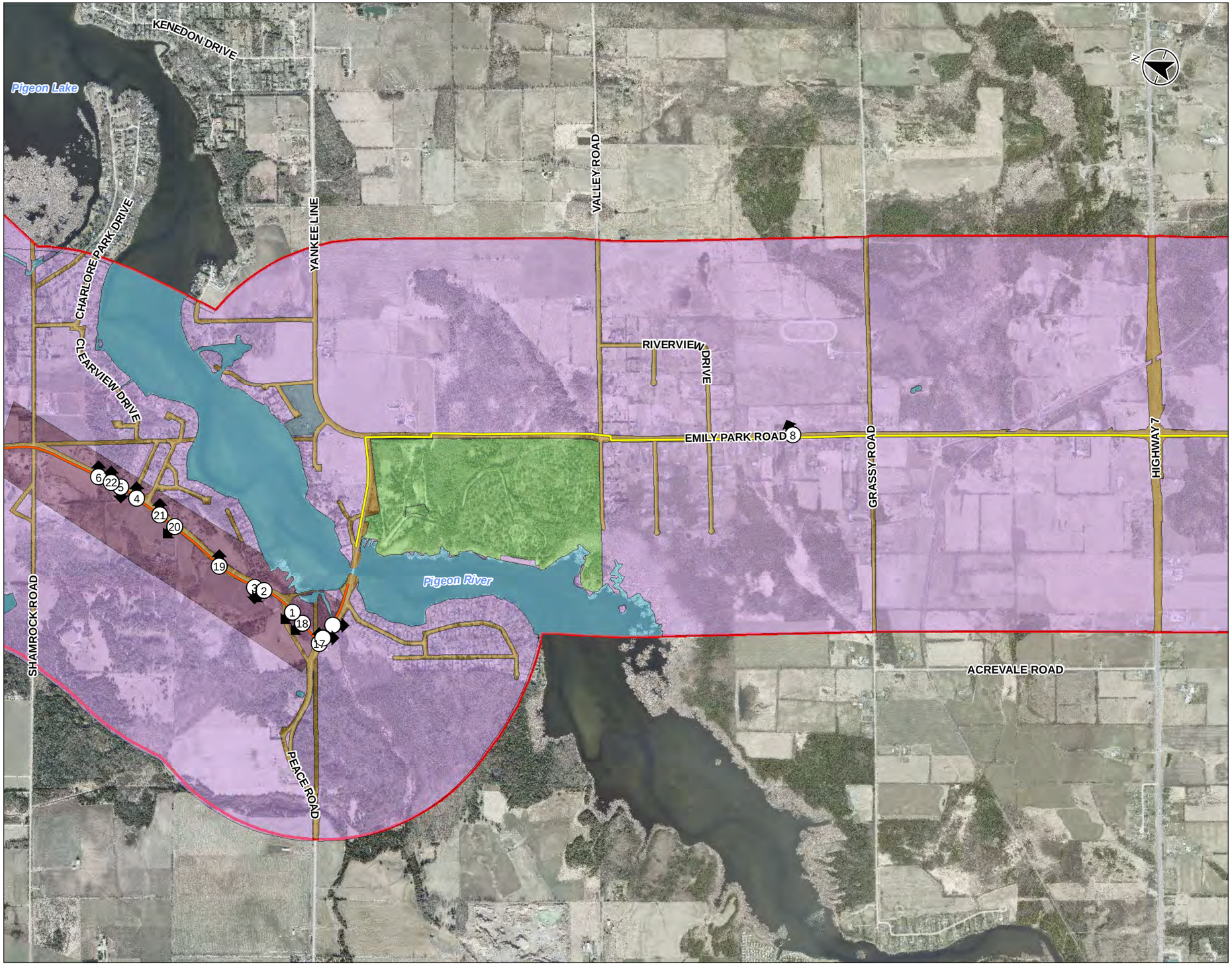
Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Figure No.
14-5

Title
Stage 1-2 Methods and Results

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Legend

Enbridge Gas Features

- Preferred Route (Phase 1)
- Preferred Route (Phase 4 - Part 1)

Archaeology Features

- Archaeology Photo Log
- Study Area

Assessment Method

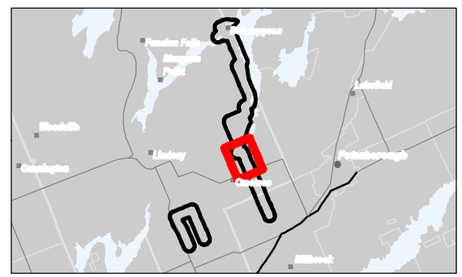
- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required
- Area of General Archaeological Potential - Stage 2 Recommended
- Previously Assessed, EASI 2018 - No Further Assessment Recommended
- Previously Assessed, Jacques Whitford 2006 – Areas recommended For Stage 2 Assessment
- Previously Assessed, YNAS 2015 - Stage 2 Assessment Recommended

0 250 500 Metres

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Project Location
City of Kawartha Lakes and County of Peterborough

160951282 REVA
Prepared by KB on 2022-08-26
Technical Review by SE on 2021-11-05

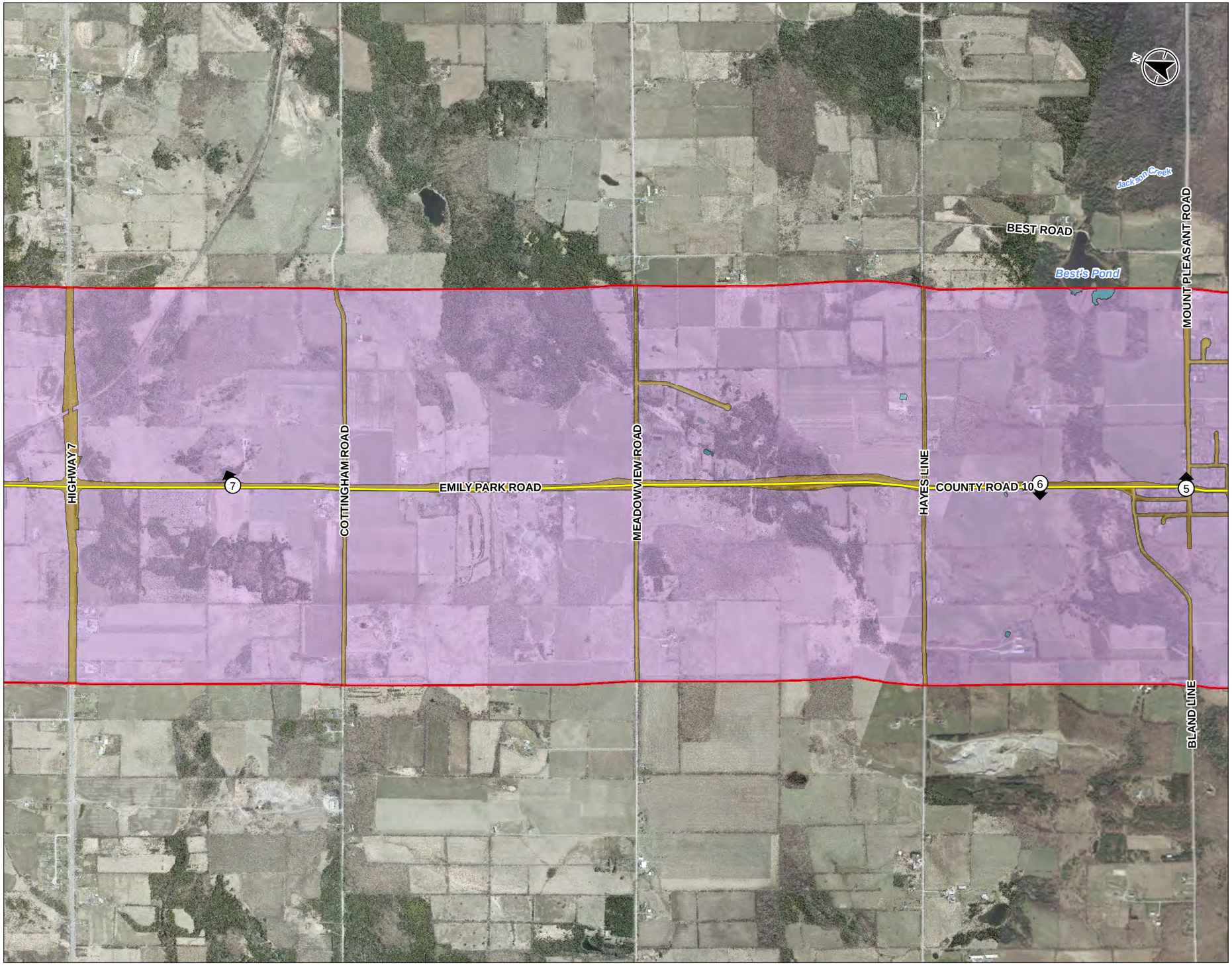
Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Figure No.
14-6

Title
Stage 1-2 Methods and Results

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Stantec

Legend

Enbridge Gas Features

- Preferred Route (Phase 4 - Part 1)

Archaeology Features

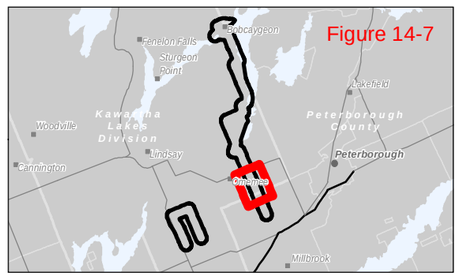
- Archaeology Photo Log
- Study Area

Assessment Method

- Area of Steep Slope, Low to No Archaeological Potential - No Further Archaeological Work Required
- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required
- Area of General Archaeological Potential - Stage 2 Recommended

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Project Location
City of Kawartha Lakes and County of Peterborough

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Prepared by KB on 2022-08-26
Technical Review by SE on 2021-11-05

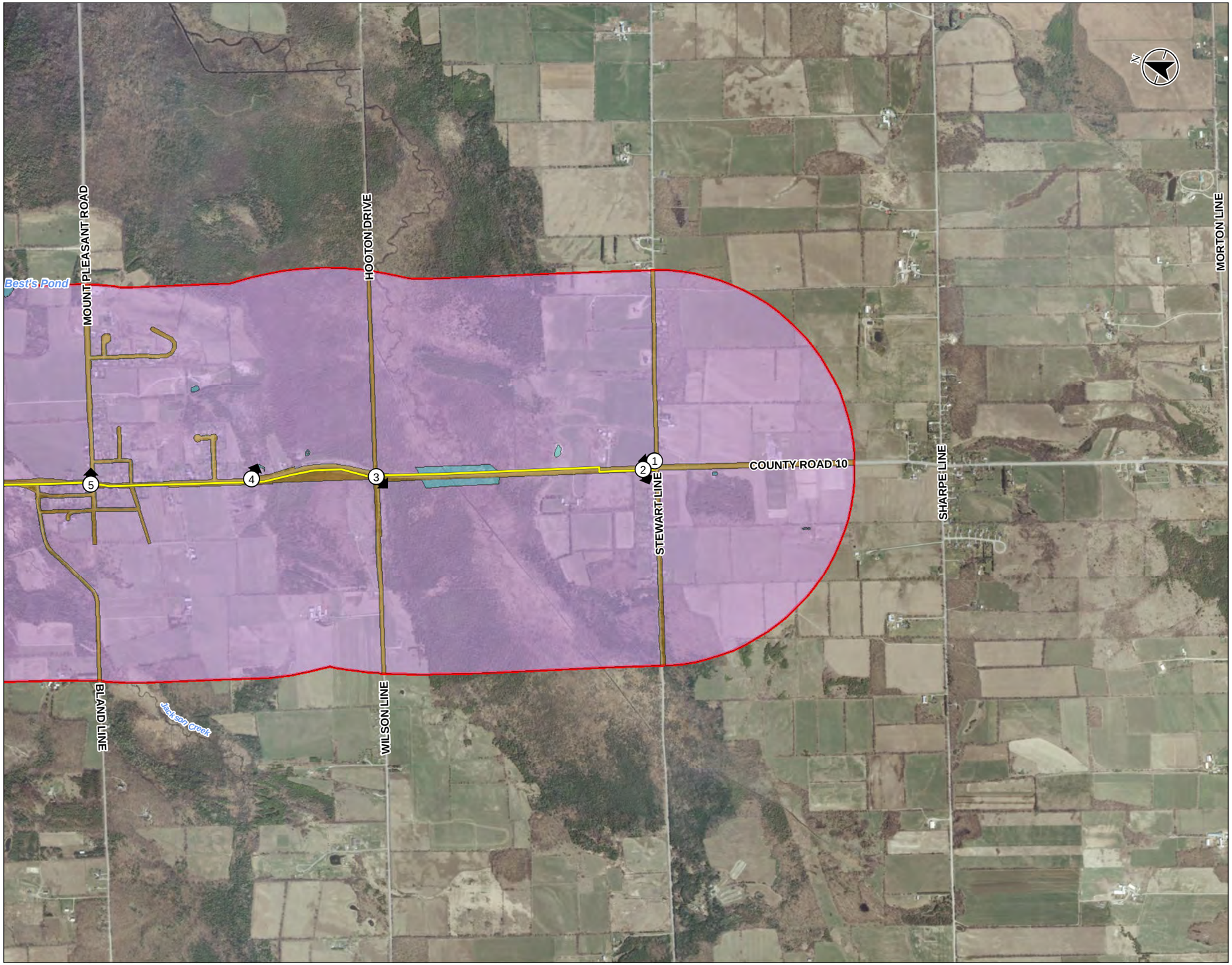
Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Figure No.
14-7

Title
Stage 1-2 Methods and Results

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Stantec

Legend

Enbridge Gas Features

Preferred Route (Phase 4 - Part 1)

Archaeology Features

Archaeology Photo Log

Study Area

Assessment Method

Permanently Wet – No Terrestrial Archaeological Potential

Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required

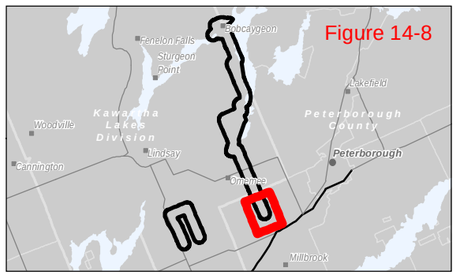
Area of General Archaeological Potential - Stage 2 Recommended

0 250 500 Metres

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Project Location
City of Kawartha Lakes and County of Peterborough

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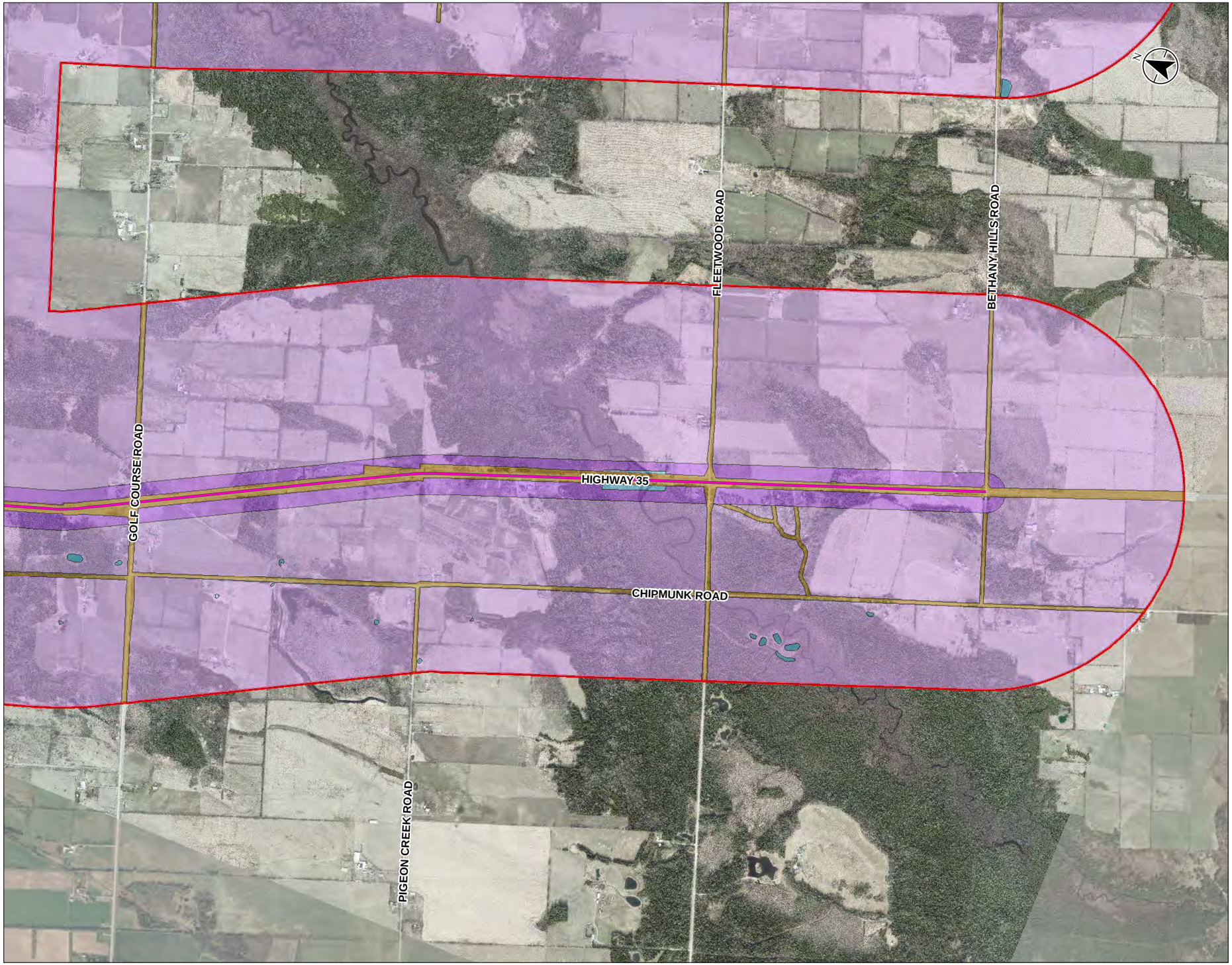
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PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Figure No.
14-8

Title
Stage 1-2 Methods and Results

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Stantec

Legend

Enbridge Gas Features

- Preferred Route (Phase 4 - Part 2)
- Study Area

Assessment Method

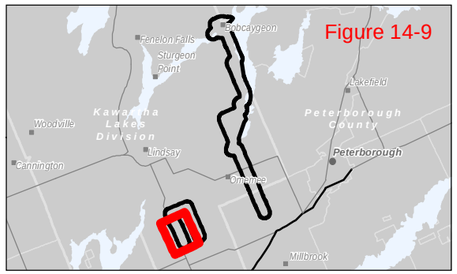
- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required
- Area of General Archaeological Potential - Stage 2 Recommended
- Previously Assessed, Stantec 2016 – Areas recommended For Stage 2 Assessment

0 250 500 Metres

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Project Location
City of Kawartha Lakes and County of Peterborough

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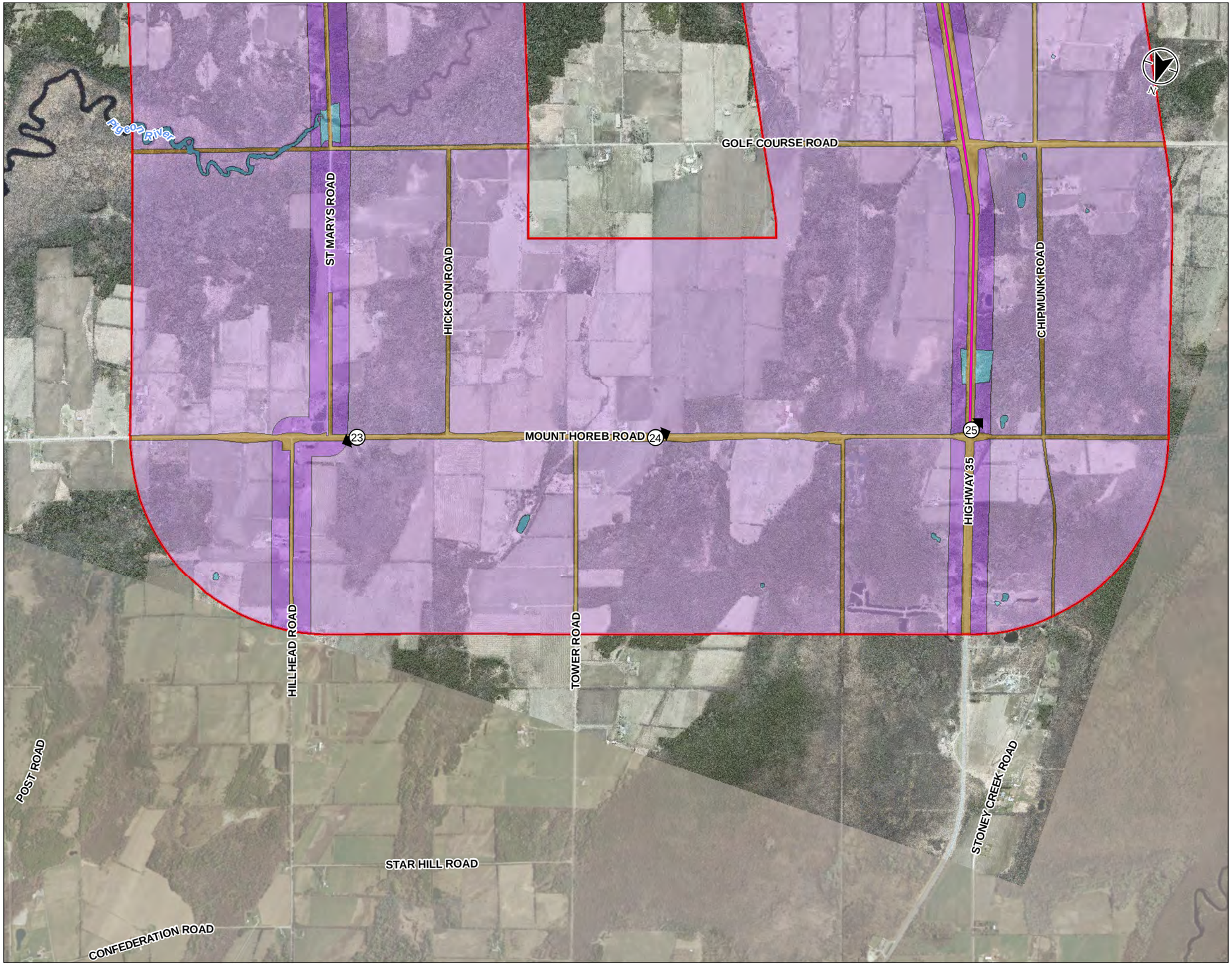
Client/Project
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PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Figure No.
14-9

Title
Stage 1-2 Methods and Results

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Stantec

Legend

Enbridge Gas Features

- Preferred Route (Phase 4 - Part 2)

Archaeology Features

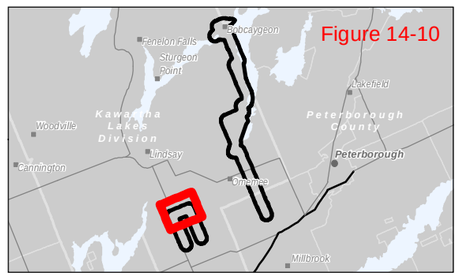
- Archaeology Photo Log
- Study Area

Assessment Method

- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required
- Area of General Archaeological Potential - Stage 2 Recommended
- Previously Assessed, Stantec 2016 – Areas recommended For Stage 2 Assessment

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Project Location
City of Kawartha Lakes and County of Peterborough

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Prepared by KB on 2022-08-26
Technical Review by SE on 2021-11-05

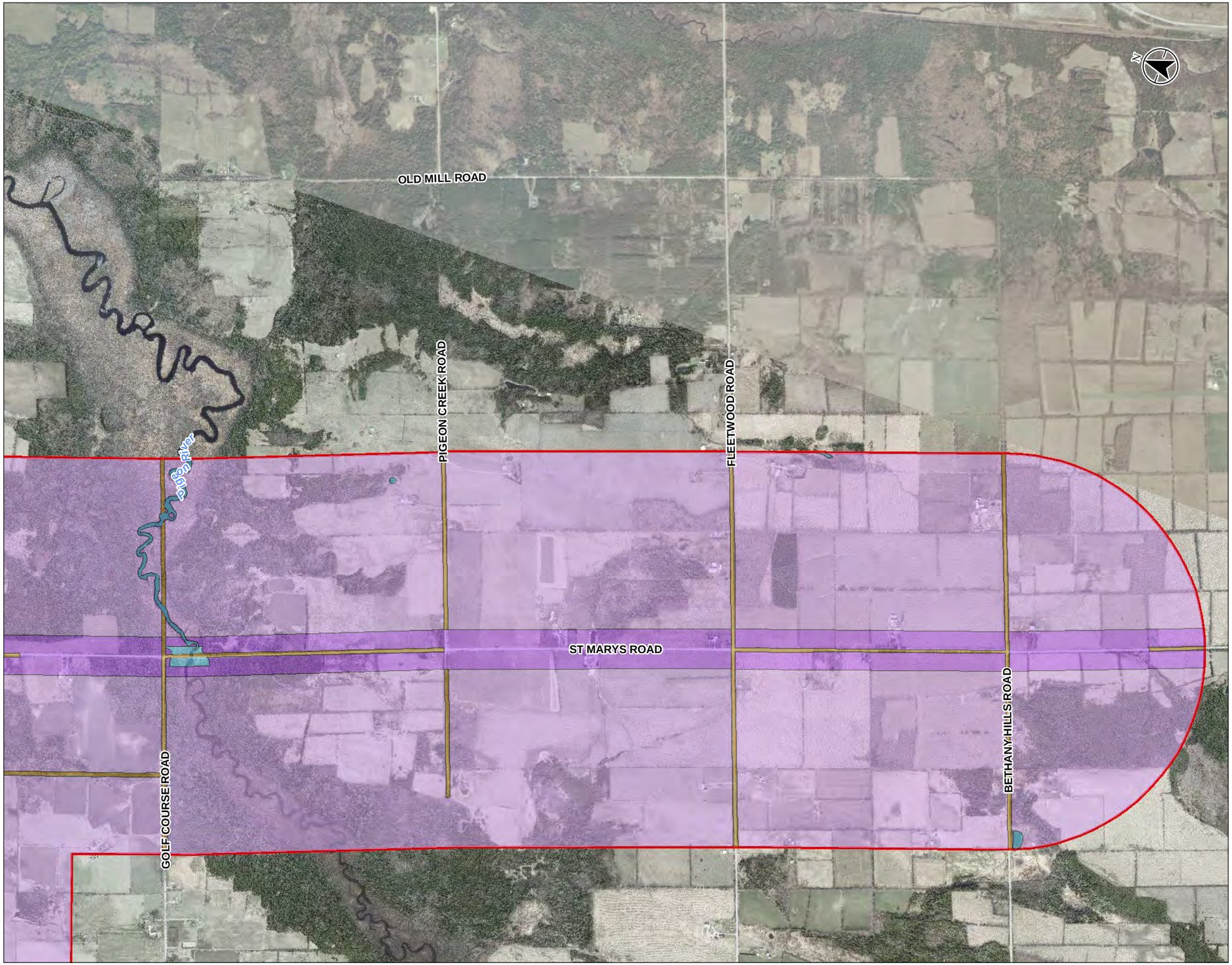
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PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Figure No.
14-10

Title
Stage 1-2 Methods and Results

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Stantec

Legend

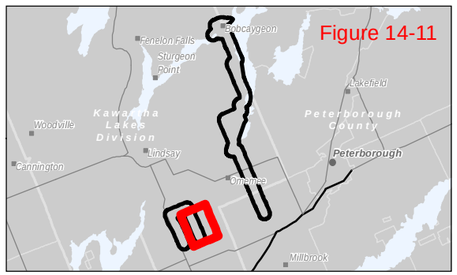
Study Area

Assessment Method

- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required
- Area of General Archaeological Potential - Stage 2 Recommended
- Previously Assessed, Stantec 2016 – Areas recommended For Stage 2 Assessment

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Project Location
City of Kawartha Lakes and County of Peterborough

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Prepared by KB on 2022-08-26
Technical Review by SE on 2021-11-05

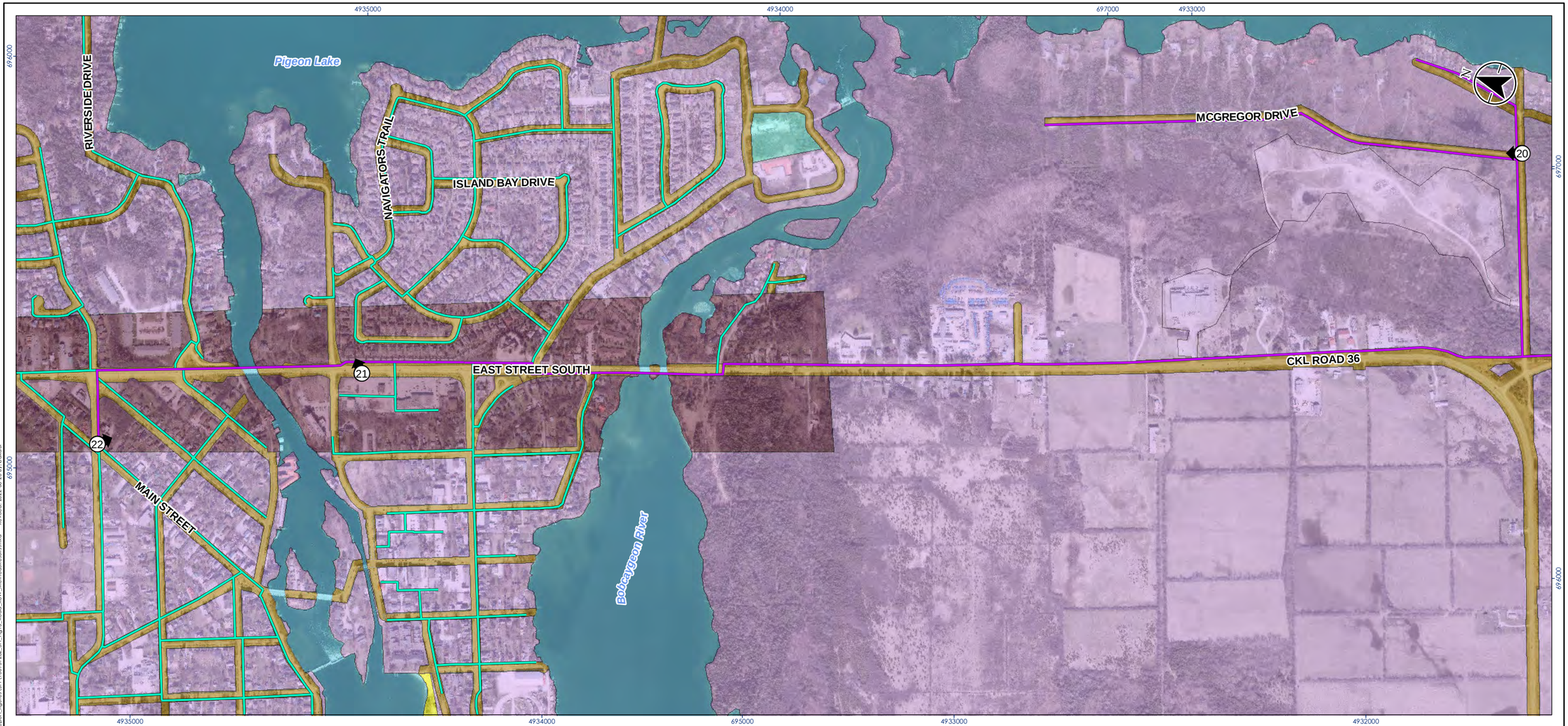
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ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

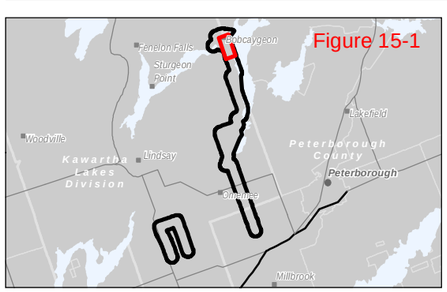
Figure No.
14-11

Title
Stage 1-2 Methods and Results

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Legend

Enbridge Gas Features
- Preferred Route (Phase 2)
- Preferred Route (Phase 3)

Archaeology Features
- Archaeology Photo Log

Assessment Method Other
- Area of General Archaeological Potential - Stage 2 Recommended
- Possible Burying Ground
- Previously Assessed, ASI 2016 - No Further Assessment Recommended
- Previously Assessed, Jacques Whitford 2006 – Areas recommended For Stage 2 Assessment
- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required

0 250 500 metres

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Stantec

Project Location	160951282 REVA
City of Kawartha Lakes	Prepared by KB on 2022-08-26
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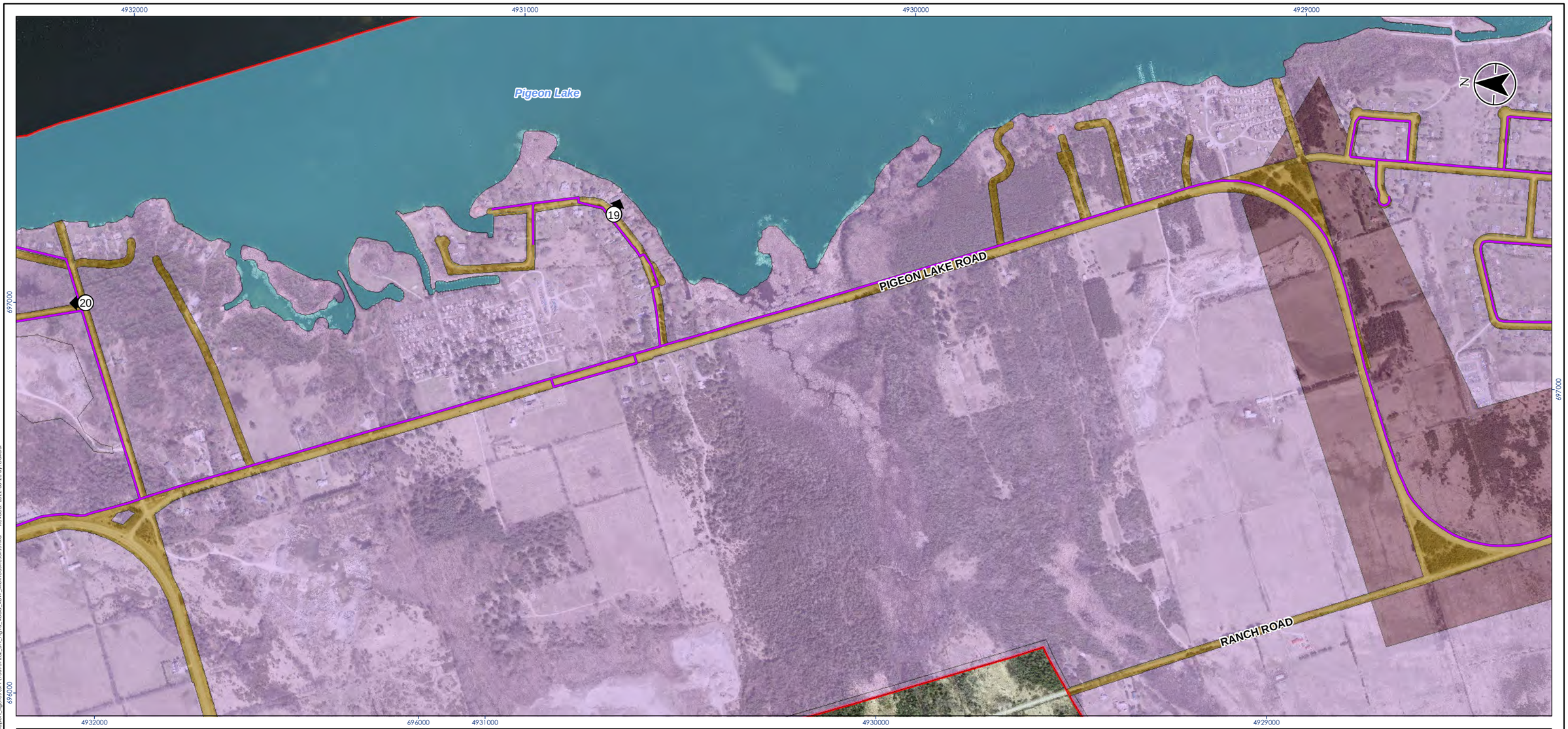
Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

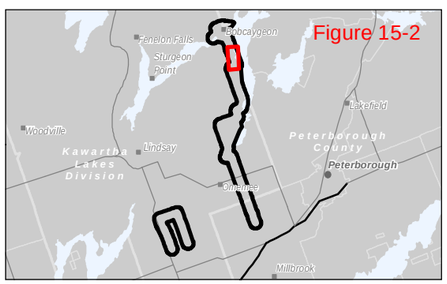
Figure No.
15-1

Title
Road Right of Way Details

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Legend

Enbridge Gas Features
- Preferred Route (Phase 2)

Archaeology Features
- Archaeology Photo Log

Assessment Method Other
- Area of General Archaeological Potential - Stage 2 Recommended
- Previously Assessed, Jacques Whitford 2006 – Areas recommended For Stage 2 Assessment
- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required

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Stantec

Project Location
City of Kawartha Lakes

160951282 REVA
Prepared by KB on 2022-08-26
Technical Review by SE on 2021-11-05

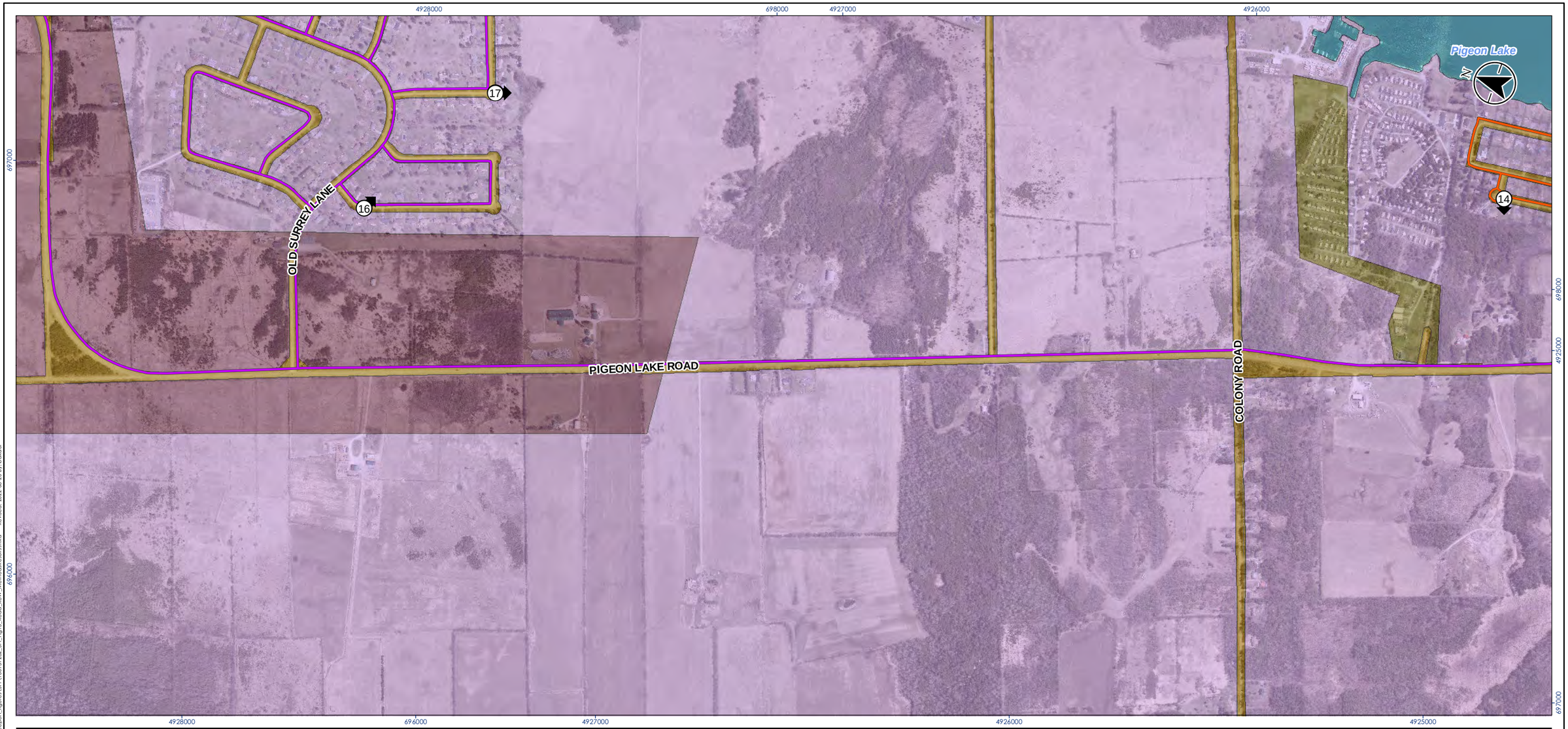
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PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

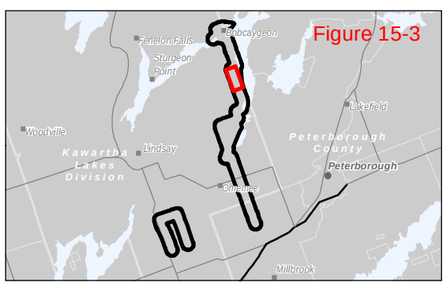
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Title
Road Right of Way Details

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Legend

Enbridge Gas Features

- Preferred Route (Phase 1)
- Preferred Route (Phase 2)

Archaeology Features

- Archaeology Photo Log

Assessment Method Other

- Area of General Archaeological Potential - Stage 2 Recommended
- Previously Assessed, Jacques Whitford 2006 – Areas recommended For Stage 2 Assessment
- Previously Assessed, YNAS 2014a, 2014b- No Further Assessment Recommended
- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required

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Stantec

Project Location
City of Kawartha Lakes

160951282 REVA
Prepared by KB on 2022-08-26
Technical Review by SE on 2021-11-05

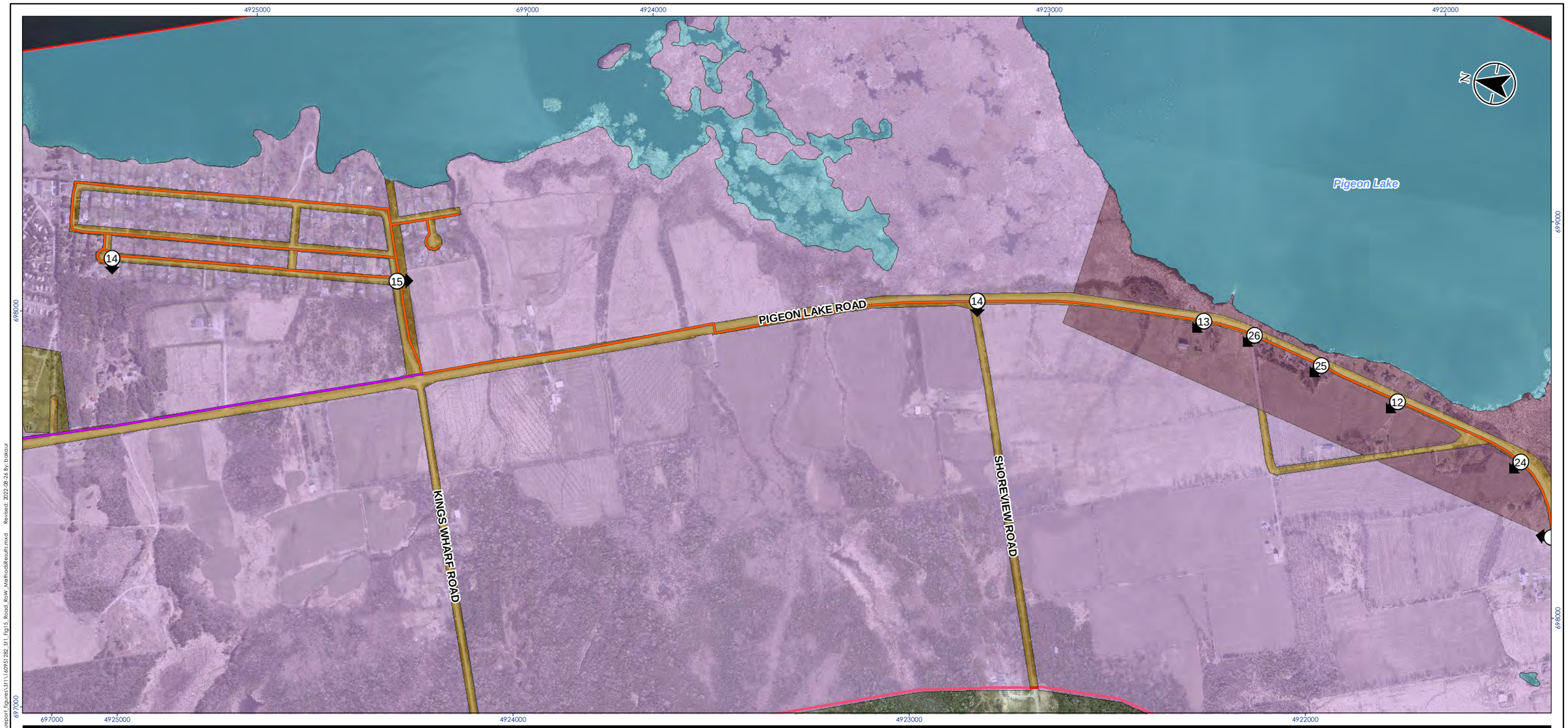
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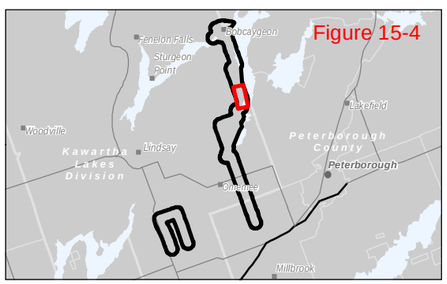
Figure No.
15-3

Title
Road Right of Way Details

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Legend

Enbridge Gas Features
- Preferred Route (Phase 1)
- Preferred Route (Phase 2)

Archaeology Features
- Archaeology Photo Log

Assessment Method Other
- Area of General Archaeological Potential - Stage 2 Recommended
- Previously Assessed, Jacques Whitford 2006 – Areas recommended For Stage 2 Assessment
- Previously Assessed, YNAS 2014a, 2014b- No Further Assessment Recommended
- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required

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Project Location
City of Kawartha Lakes

160951282 REVA
Prepared by KB on 2022-08-26
Technical Review by SE on 2021-11-05

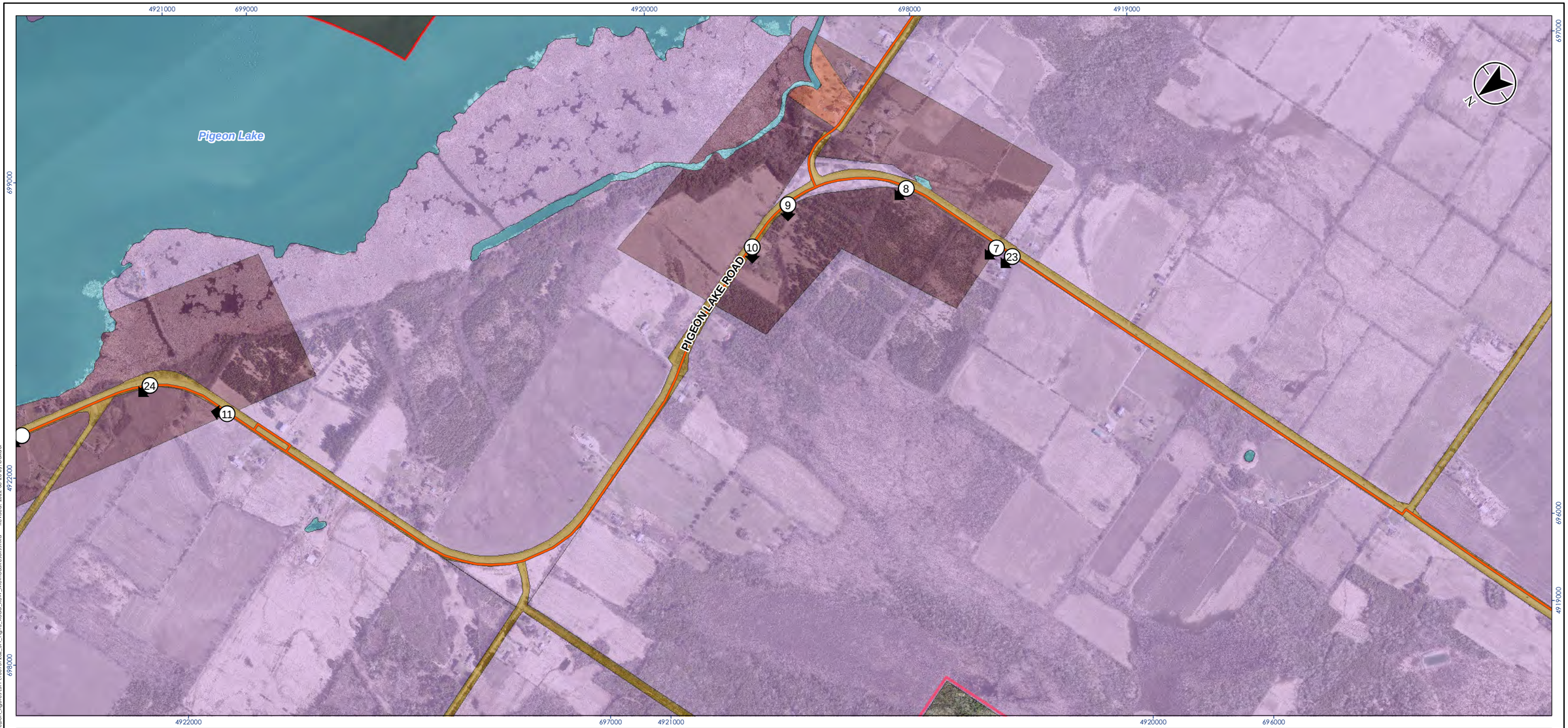
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PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

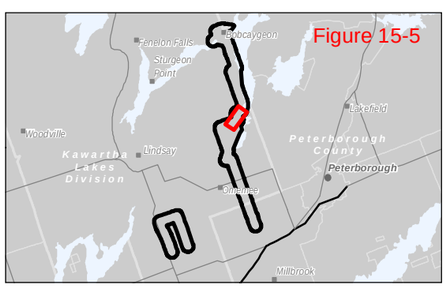
Figure No.
15-4

Title
Road Right of Way Details

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Legend

Enbridge Gas Features

- Preferred Route (Phase 1)

Archaeology Features

- Archaeology Photo Log

Assessment Method Other

- Area of General Archaeological Potential - Stage 2 Recommended
- Previously Assessed, Jacques Whitford 2006 – Areas recommended For Stage 2 Assessment
- Previously Assessed, YNAS 2012 - No Further Assessment Recommended
- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required

0 250 500 metres

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Project Location	160951282 REVA
City of Kawartha Lakes	Prepared by KB on 2022-08-26
	Technical Review by SE on 2021-11-05

Client/Project

ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Figure No.

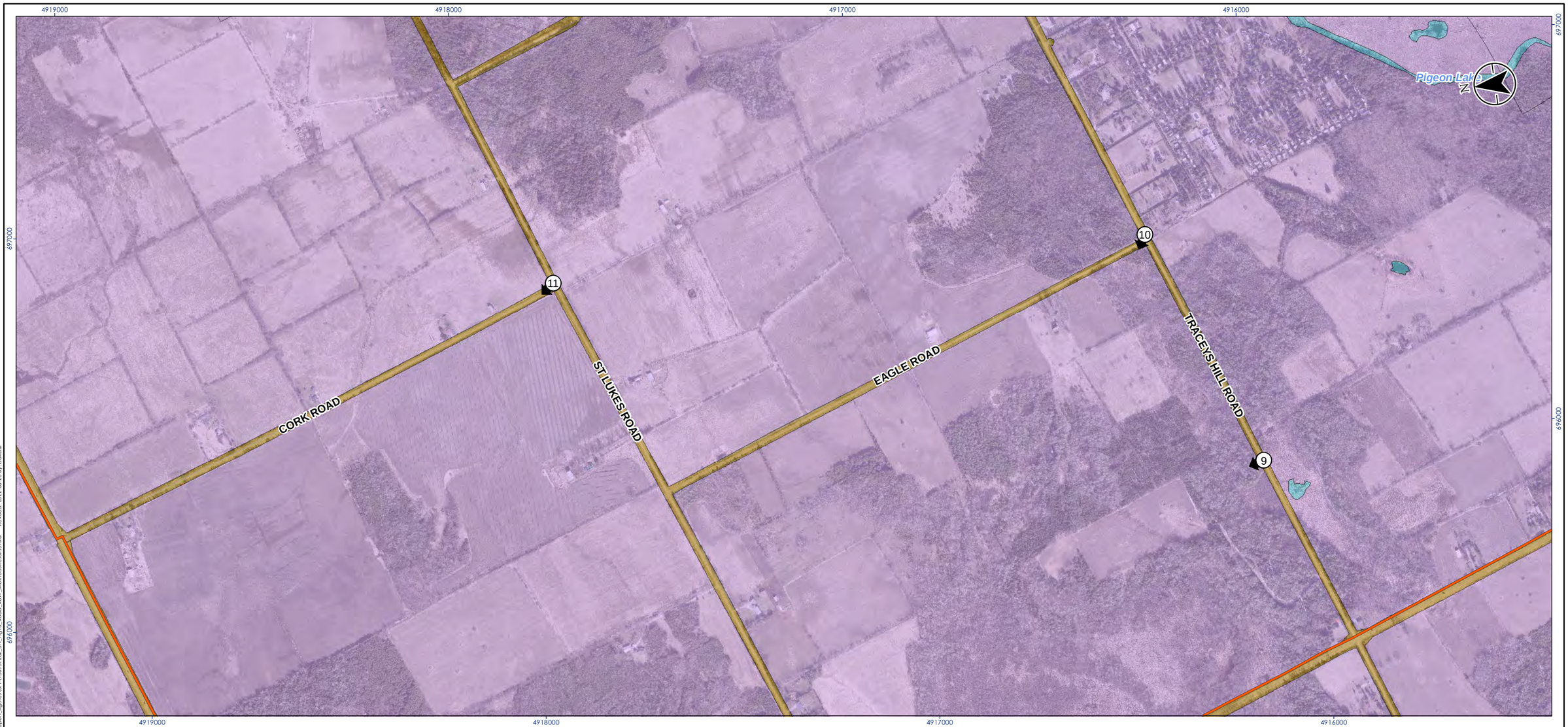
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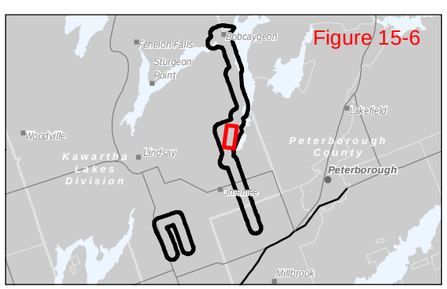
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Road Right of Way Details

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Legend

Enbridge Gas Features

- Preferred Route (Phase 1)

Archaeology Features

- Archaeology Photo Log

Assessment Method Other

- Area of General Archaeological Potential - Stage 2 Recommended
- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required

0 250 500 metres

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Stantec

Project Location City of Kawartha Lakes	160951282 REVA Prepared by KB on 2022-08-26 Technical Review by SE on 2021-11-05

Client/Project

ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Figure No.

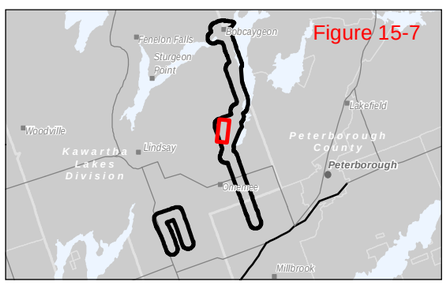
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Title

Road Right of Way Details

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Legend

Enbridge Gas Features

Preferred Route (Phase 1)

Assessment Method Other

Area of General Archaeological Potential - Stage 2 Recommended

Permanently Wet – No Terrestrial Archaeological Potential

Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required

0 250 500 metres

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Project Location
City of
Kawartha Lakes

160951282 REVA
Prepared by KB on 2022-08-26
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

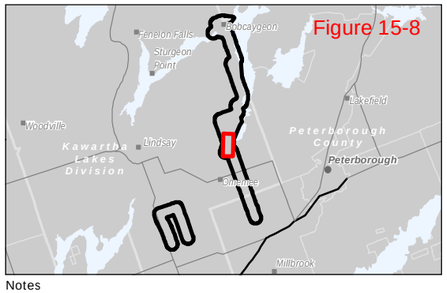
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15-7

Title
Road Right of Way Details

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Legend

Enbridge Gas Features
- Preferred Route (Phase 1)
- Preferred Route (Phase 4 - Part 1)

Archaeology Features
- Archaeology Photo Log

Assessment Method Other
- Area of General Archaeological Potential - Stage 2 Recommended
- Previously Assessed, EASI 2018 - No Further Assessment Recommended
- Previously Assessed, Jacques Whitford 2006 – Areas recommended For Stage 2 Assessment
- Previously Assessed, YNAS 2015 - Stage 2 Assessment Recommended
- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required

0 250 500 metres

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Stantec

Project Location
City of Kawartha Lakes

160951282 REVA
Prepared by KB on 2022-08-26
Technical Review by SE on 2021-11-05

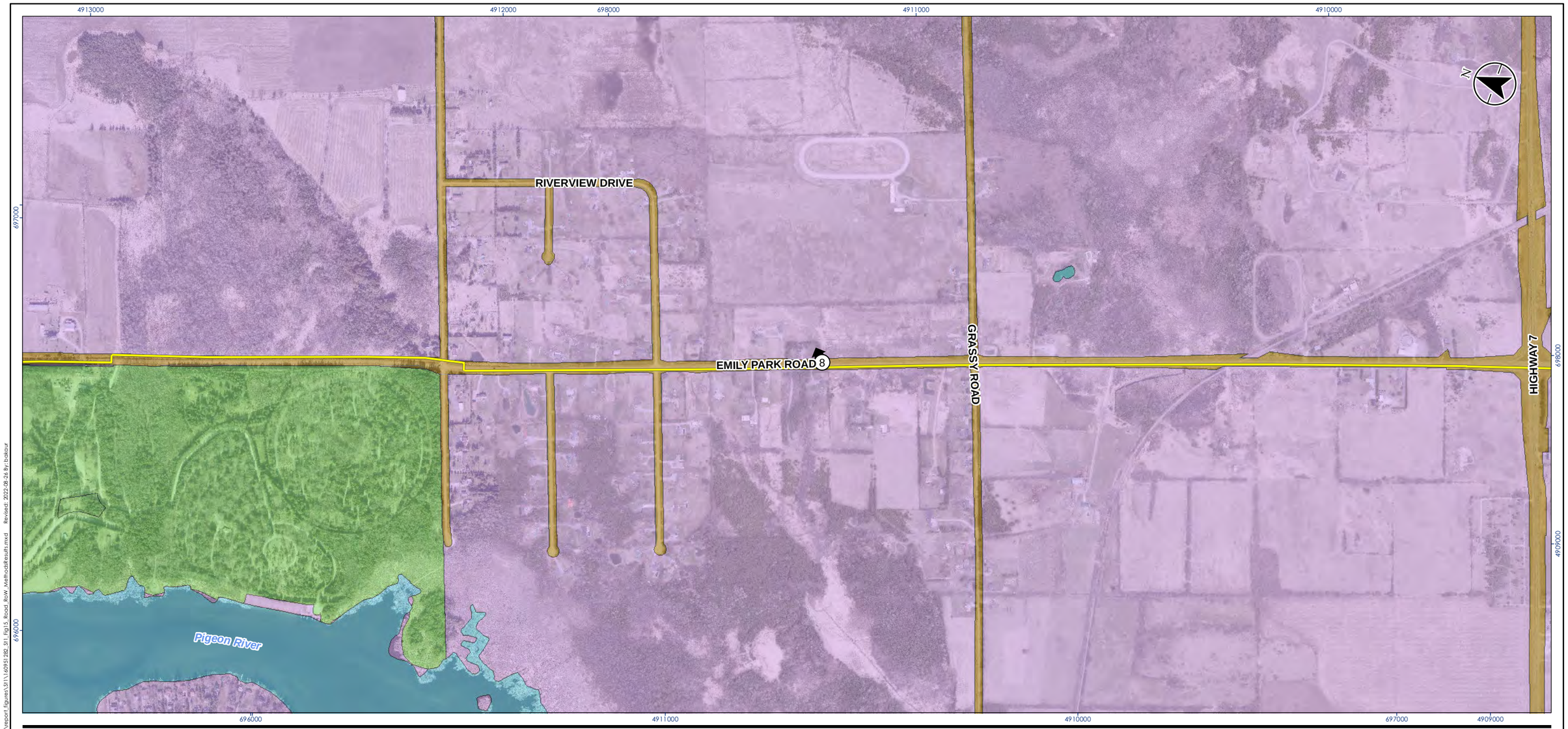
Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

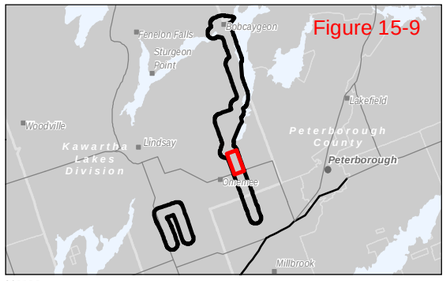
Figure No.
15-8

Title
Road Right of Way Details

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Legend

Enbridge Gas Features

- Preferred Route (Phase 4 - Part 1)

Archaeology Features

- Archaeology Photo Log

Assessment Method Other

- Area of General Archaeological Potential - Stage 2 Recommended
- Previously Assessed, YNAS 2015 - Stage 2 Assessment Recommended
- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required

0 250 500 metres

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Stantec

Project Location City of Kawartha Lakes	160951282 REVA Prepared by KB on 2022-08-26 Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

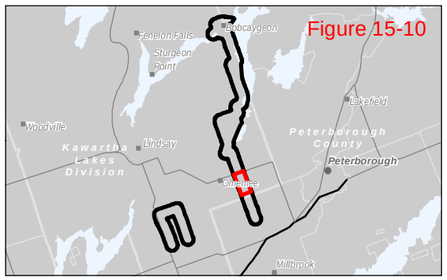
Figure No.
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Title
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Legend

Enbridge Gas Features

Preferred Route (Phase 4 - Part 1)

Archaeology Features

Archaeology Photo Log

Assessment Method Other

Area of General Archaeological Potential - Stage 2 Recommended

Permanently Wet – No Terrestrial Archaeological Potential

Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required

0 250 500 metres

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Stantec

Project Location
City of Kawartha Lakes

160951282 REVA
Prepared by KB on 2022-08-26
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

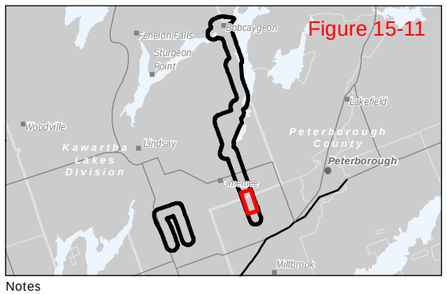
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Title
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Legend

Enbridge Gas Features

- Preferred Route (Phase 4 - Part 1)

Archaeology Features

- Archaeology Photo Log

Assessment Method Other

- Area of General Archaeological Potential - Stage 2 Recommended
- Area of Steep Slope, Low to No Archaeological Potential - No Further Archaeological Work Required
- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required

0 250 500 metres

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Project Location	160951282 REVA
City of Kawartha Lakes	Prepared by KB on 2022-08-26
	Technical Review by SE on 2021-11-05

Client/Project

ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

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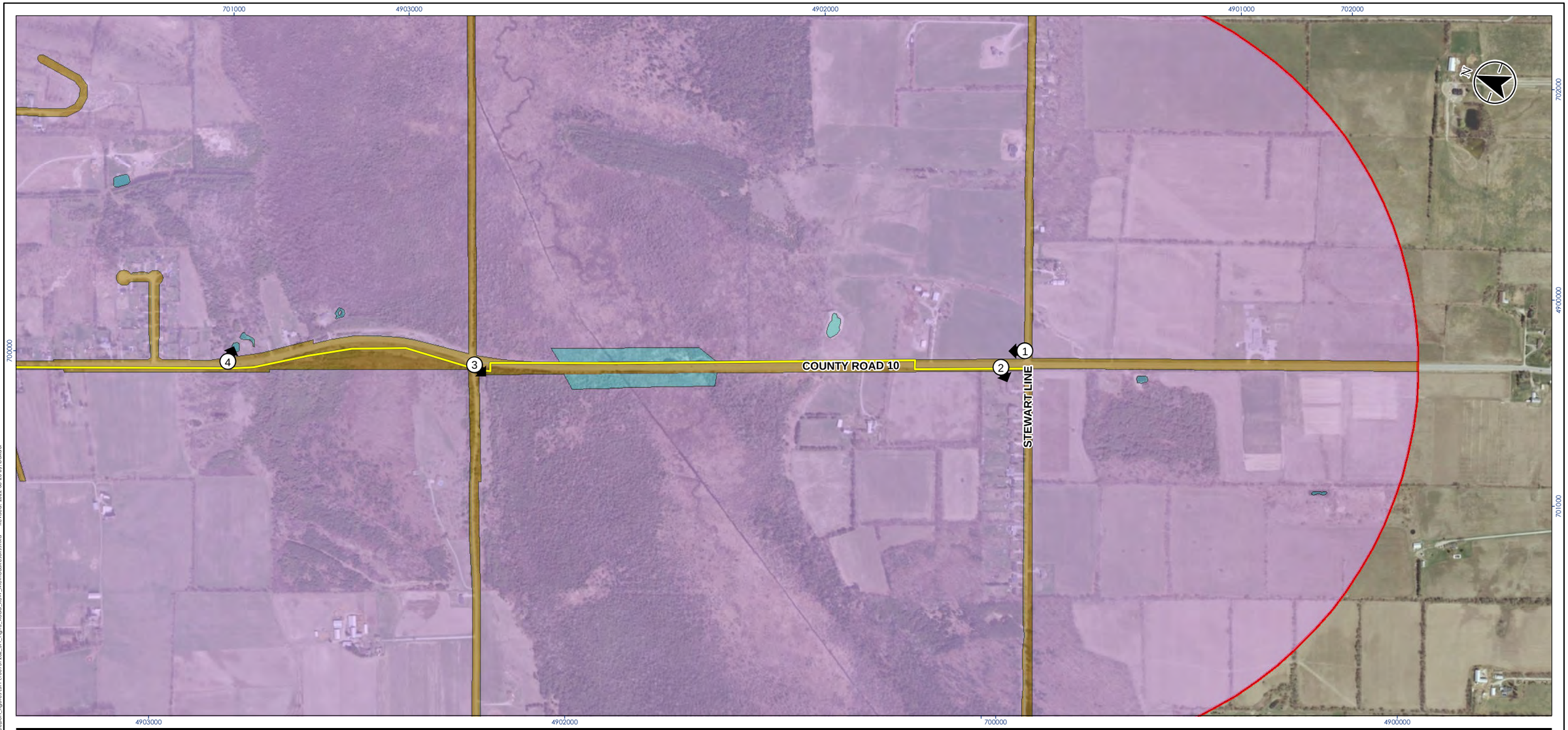
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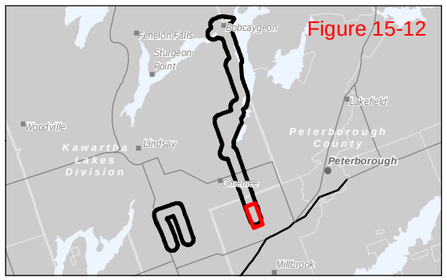
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Legend

Enbridge Gas Features
- Preferred Route (Phase 4 - Part 1)

Archaeology Features
- Archaeology Photo Log

Assessment Method Other
- Area of General Archaeological Potential - Stage 2 Recommended
- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required

0 250 500 metres

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Stantec

Project Location
City of Kawartha Lakes

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Technical Review by SE on 2021-11-05

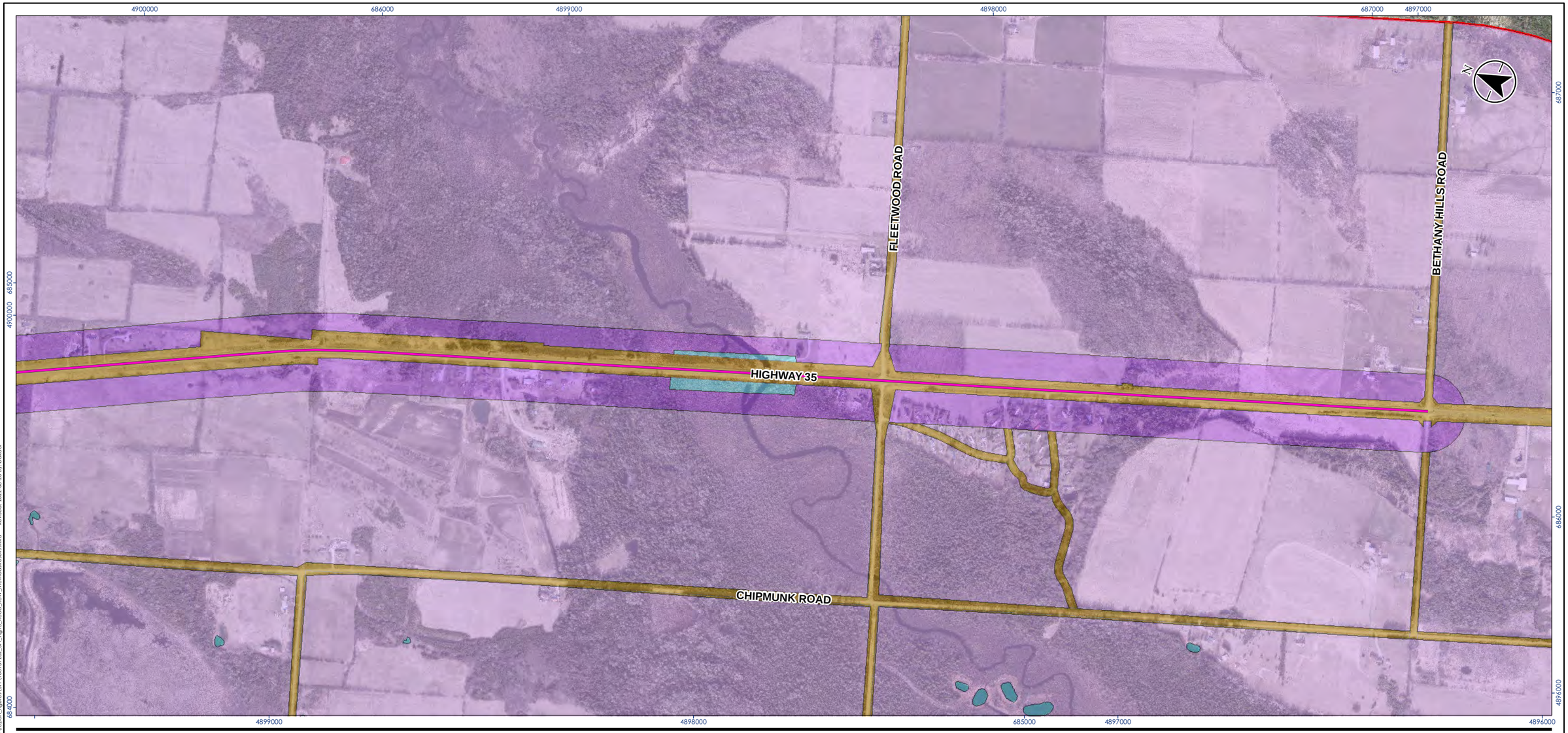
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PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

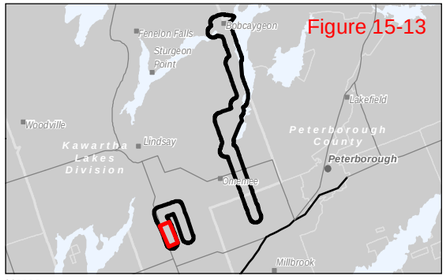
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15-12

Title
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Legend

Enbridge Gas Features

- Preferred Route (Phase 4 - Part 2)

Assessment Method Other

- Area of General Archaeological Potential - Stage 2 Recommended
- Previously Assessed, Stantec 2016 – Areas recommended For Stage 2 Assessment
- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required

0 250 500 metres

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Stantec

Project Location
City of Kawartha Lakes

160951282 REVA
Prepared by KB on 2022-08-26
Technical Review by SE on 2021-11-05

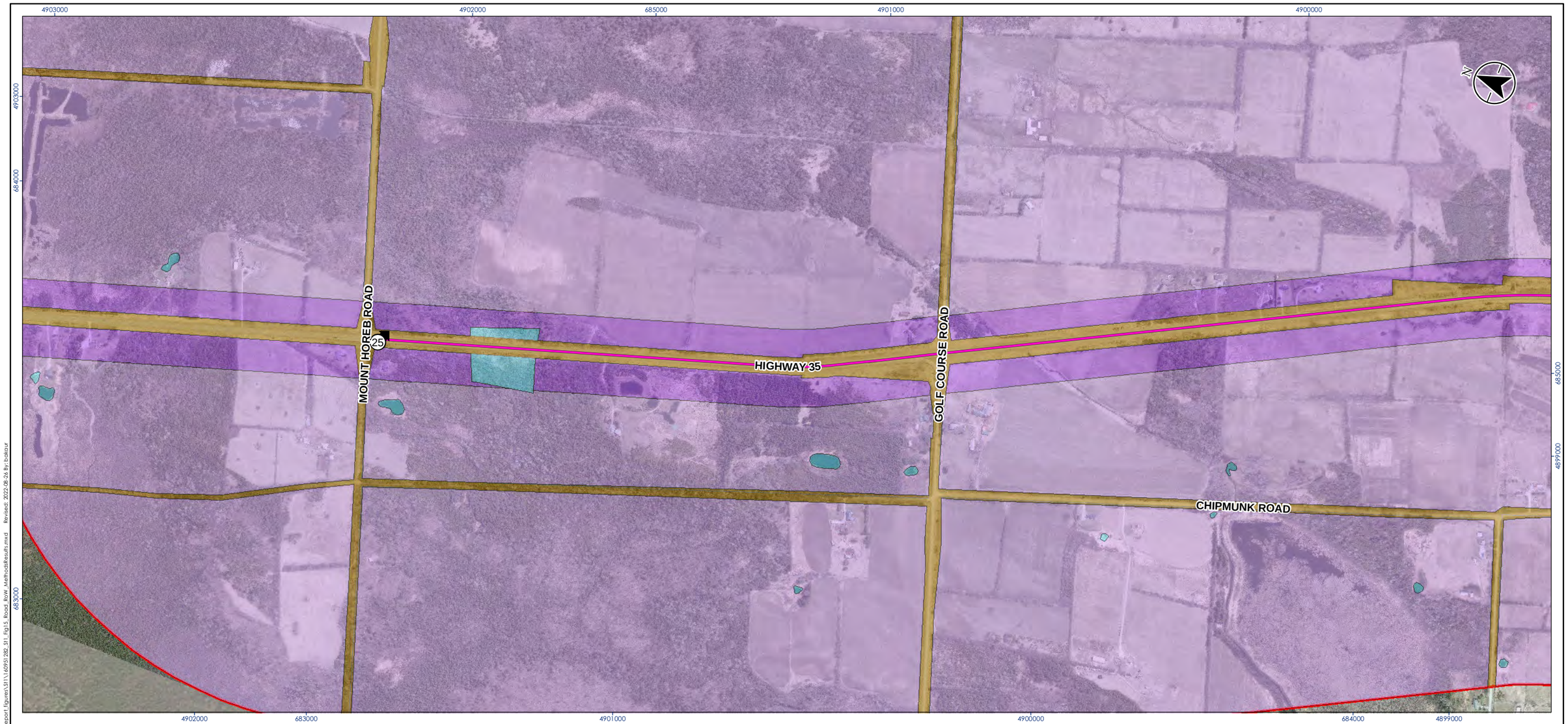
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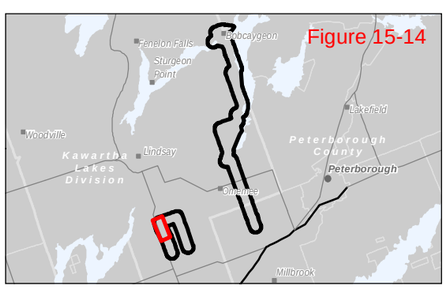
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Legend

Enbridge Gas Features

- Preferred Route (Phase 4 - Part 2)

Archaeology Features

- Archaeology Photo Log

Assessment Method Other

- Area of General Archaeological Potential - Stage 2 Recommended
- Previously Assessed, Stantec 2016 – Areas recommended For Stage 2 Assessment
- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required

0 250 500 metres

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Stantec

Project Location City of Kawartha Lakes	160951282 REVA Prepared by KB on 2022-08-26 Technical Review by SE on 2021-11-05

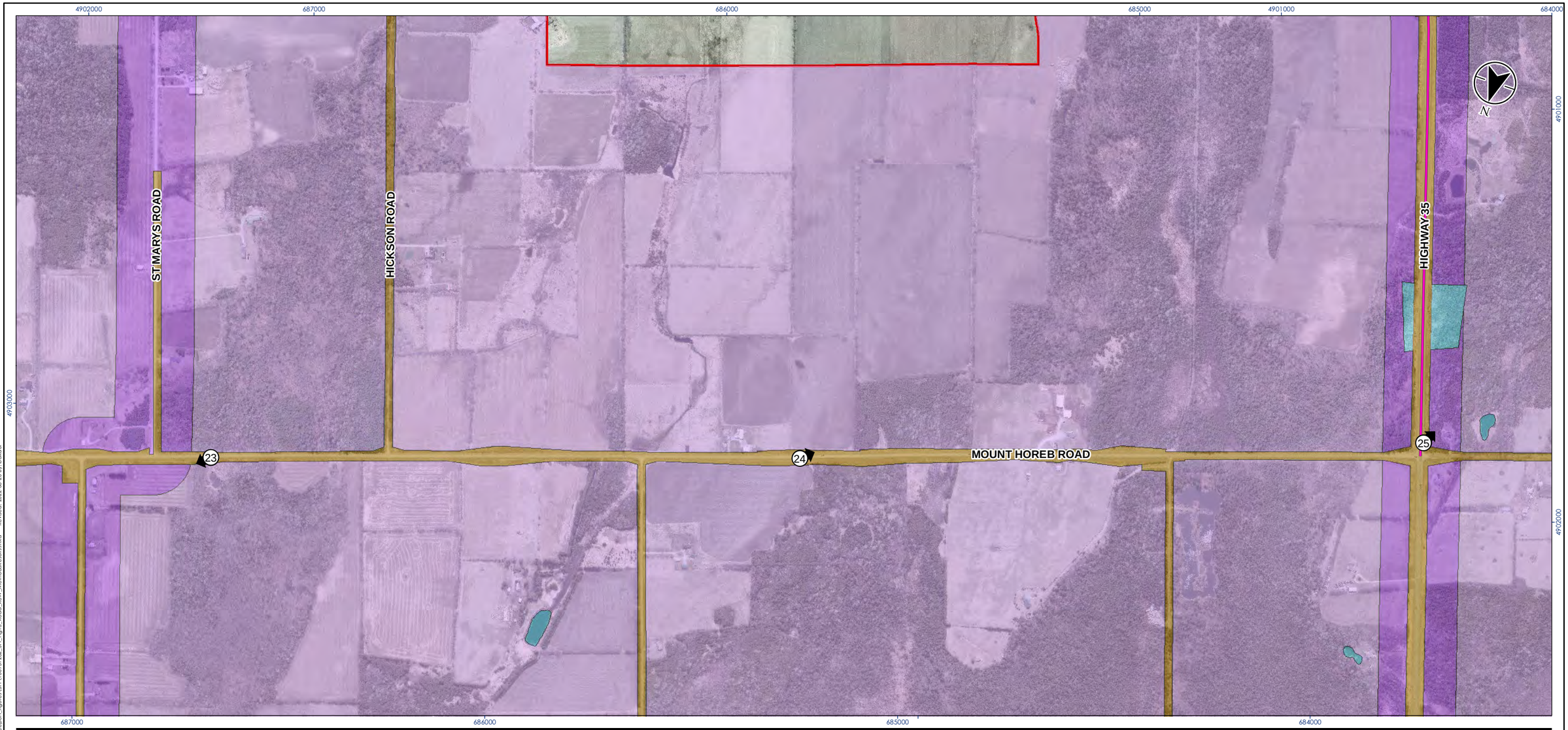
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PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

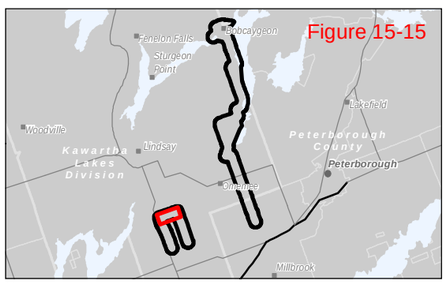
Figure No.
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Legend

Enbridge Gas Features

- Preferred Route (Phase 4 - Part 2)

Archaeology Features

- Archaeology Photo Log

Assessment Method Other

- Area of General Archaeological Potential - Stage 2 Recommended
- Previously Assessed, Stantec 2016 – Areas recommended For Stage 2 Assessment
- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required

0 250 500 metres

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Stantec

Project Location
City of Kawartha Lakes

160951282 REVA
Prepared by KB on 2022-08-26
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

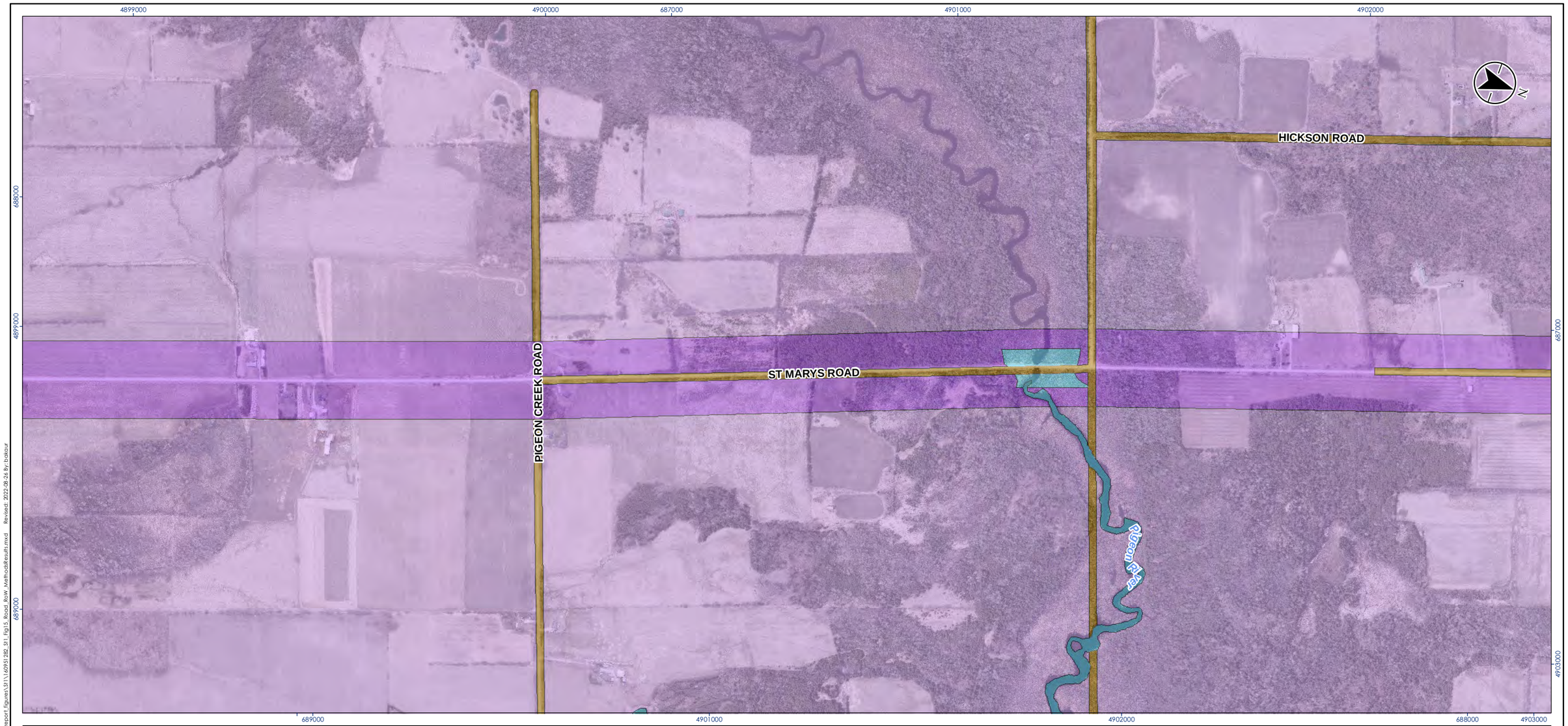
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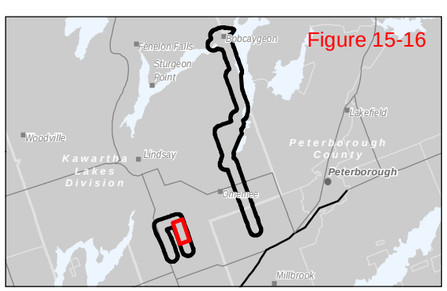
Title
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Legend

Assessment Method Other

- Area of General Archaeological Potential - Stage 2 Recommended
- Previously Assessed, Stantec 2016 – Areas recommended For Stage 2 Assessment
- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required

0 250 500 metres

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Stantec

Project Location
City of
Kawartha Lakes

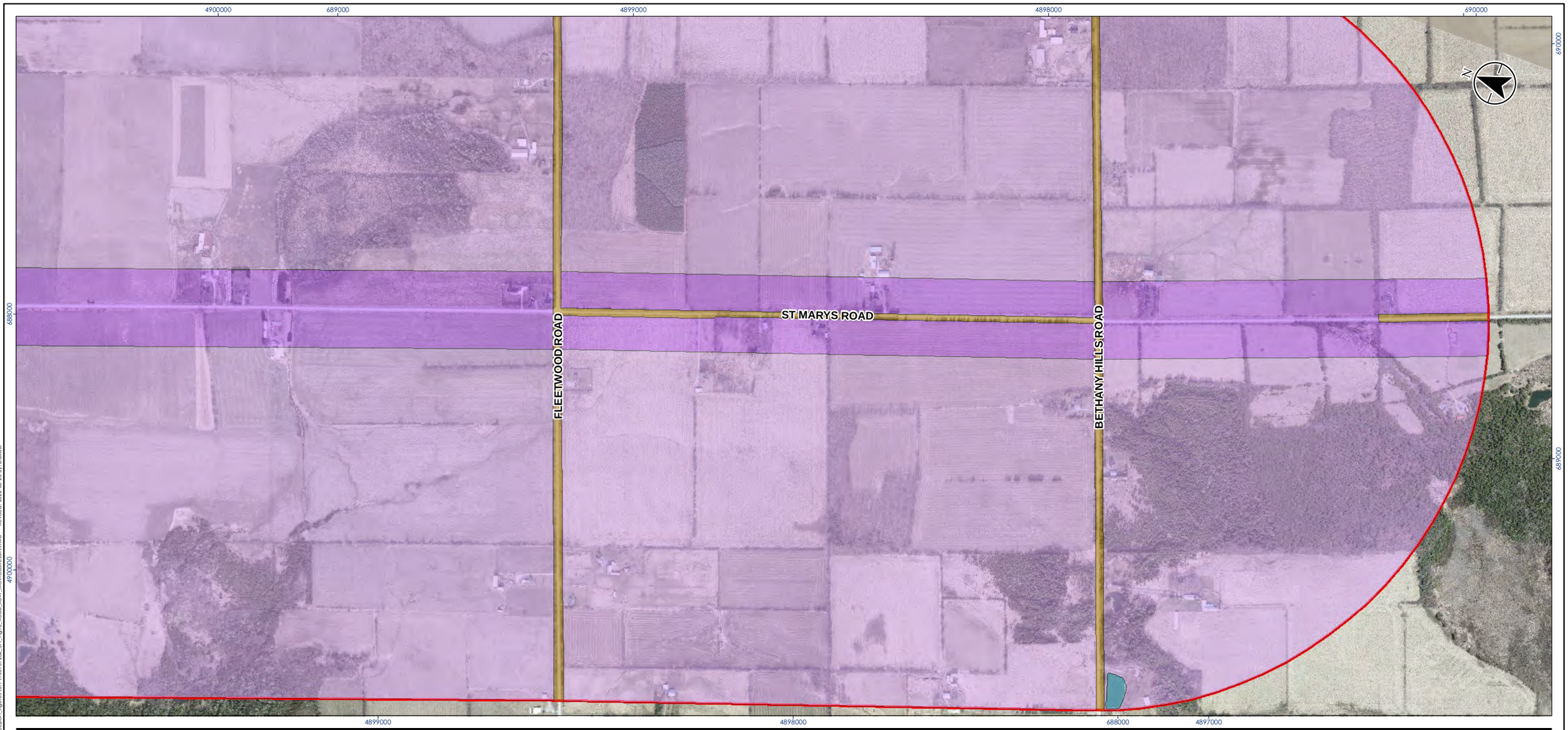
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Technical Review by SE on 2021-11-05

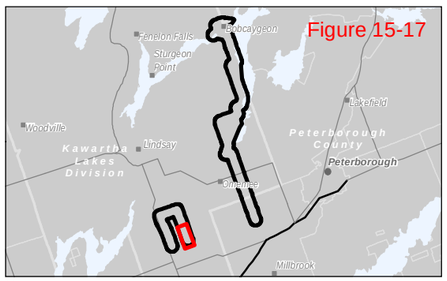
Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Figure No.
15-16

Title
Road Right of Way Details

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Assessment Method Other

- Area of General Archaeological Potential - Stage 2 Recommended
- Previously Assessed, Stantec 2016 – Areas recommended For Stage 2 Assessment
- Permanently Wet – No Terrestrial Archaeological Potential
- Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required

0 250 500 metres

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Stantec

Project Location
City of
Kawartha Lakes

160951282 REVA
Prepared by KB on 2022-08-26
Technical Review by SE on 2021-11-05

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ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Figure No.
15-17

Title
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9.0 CLOSURE

This report documents work that was performed in accordance with generally accepted professional standards at the time and location in which the services were provided. No other representations, warranties or guarantees are made concerning the accuracy or completeness of the data or conclusions contained within this report, including no assurance that this work has uncovered all potential archaeological resources associated with the identified property.

All information received from the client or third parties in the preparation of this report has been assumed by Stantec to be correct. Stantec assumes no responsibility for any deficiency or inaccuracy in information received from others.

Conclusions made within this report consist of Stantec's professional opinion as of the time of the writing of this report and are based solely on the scope of work described in the report, the limited data available and the results of the work. The conclusions are based on the conditions encountered by Stantec at the time the work was performed. Due to the nature of archaeological assessment, which consists of systematic sampling, Stantec does not warrant against undiscovered environmental liabilities nor that the sampling results are indicative of the condition of the entire property.

This report has been prepared for the exclusive use of the client identified herein and any use by any third party is prohibited. Stantec assumes no responsibility for losses, damages, liabilities or claims, howsoever arising, from third party use of this report. We trust this report meets your current requirements. Please do not hesitate to contact us should you require further information or have additional questions about any facet of this report.

Quality Review _____
(signature)

Jeffrey Muir – Senior Archaeologist

Independent Review _____
(signature)

Tracie Carmichael – Managing Principal, Environmental Services

APPENDIX A

Michi Saagiig Background - Historical Context

Michi Saagiig Historical/Background context:

The traditional homelands of the Michi Saagiig (Mississauga Anishinaabeg) encompass a vast area of what is now known as southern Ontario. The Michi Saagiig are known as "the people of the big river mouths" and were also known as the "Salmon People" who occupied and fished the north shore of Lake Ontario where the various tributaries emptied into the lake. Their territories extended north into and beyond the Kawarthas as winter hunting grounds on which they would break off into smaller social groups for the season, hunting and trapping on these lands, then returning to the lakeshore in spring for the summer months.

The Michi Saagiig were a highly mobile people, travelling vast distances to procure subsistence for their people. They were also known as the "Peacekeepers" among Indigenous nations. The Michi Saagiig homelands were located directly between two very powerful Confederacies: The Three Fires Confederacy to the north and the Haudenosaunee Confederacy to the south. The Michi Saagiig were the negotiators, the messengers, the diplomats, and they successfully mediated peace throughout this area of Ontario for countless generations.

Michi Saagiig oral histories speak to their people being in this area of Ontario for thousands of years. These stories recount the "Old Ones" who spoke an ancient Algonquian dialect. The histories explain that the current Ojibwa phonology is the 5th transformation of this language, demonstrating a linguistic connection that spans back into deep time. The Michi Saagiig of today are the descendants of the ancient peoples who lived in Ontario during the Archaic and Paleo-Indian periods. They are the original inhabitants of southern Ontario, and they are still here today.

The traditional territories of the Michi Saagiig span from Gananoque in the east, all along the north shore of Lake Ontario, west to the north shore of Lake Erie at Long Point. The territory spreads as far north as the tributaries that flow into these lakes, from Bancroft and north of the Haliburton highlands. This also includes all the tributaries that flow from the height of land north of Toronto like the Oak Ridges Moraine, and all of the rivers that flow into Lake Ontario (the Rideau, the Salmon, the Ganaraska, the Moira, the Trent, the Don, the Rouge, the Etobicoke, the Humber, and the Credit, as well as Wilmot and 16 Mile Creeks) through Burlington Bay and the Niagara region including the Welland and Niagara Rivers, and beyond. The western side of the Michi Saagiig Nation was located around the Grand River which was used as a portage route as the Niagara portage was too dangerous. The Michi Saagiig would portage from present-day Burlington to the Grand River and travel south to the open water on Lake Erie.

Michi Saagiig oral histories also speak to the occurrence of people coming into their territories sometime between 500-1000 A.D. seeking to establish villages and a corn growing economy – these newcomers included peoples that would later be known as the Huron-Wendat, Neutral, Petun/Tobacco Nations. The Michi Saagiig made Treaties with these newcomers and granted them permission to stay with the understanding that they were visitors in these lands. Wampum was made to record these contracts, ceremonies would have bound each nation to their respective responsibilities within the political relationship, and these contracts would have been renewed annually (see Gitiga Migizi and Kapyrka 2015). These visitors were extremely successful as their corn economy grew as well as their populations. However, it was understood by all nations involved that this area of Ontario were the homeland territories of the Michi Saagiig.

The Odawa Nation worked with the Michi Saagiig to meet with the Huron-Wendat, the Petun, and Neutral Nations to continue the amicable political and economic relationship that existed – a symbiotic relationship that was mainly policed and enforced by the Odawa people.

Problems arose for the Michi Saagiig in the 1600s when the European way of life was introduced into southern Ontario. Also, around the same time, the Haudenosaunee were given firearms by the colonial governments in New York and Albany which ultimately made an expansion possible for them into Michi Saagiig territories. There began skirmishes with the various nations living in Ontario at the time. The Haudenosaunee engaged in fighting with the Huron-Wendat and between that and the onslaught of European diseases, the Iroquoian speaking peoples in Ontario were decimated.

The onset of colonial settlement and missionary involvement severely disrupted the original relationships between these Indigenous nations. Disease and warfare had a devastating impact upon the Indigenous peoples of Ontario, especially the large sedentary villages, which mostly included Iroquoian speaking peoples. The Michi Saagiig were largely able to avoid the devastation caused by these processes by retreating to their wintering grounds to the north, essentially waiting for the smoke to clear.

Michi Saagiig Elder Gitiga Migizi (2017) recounts:
"We weren't affected as much as the larger villages because we learned to paddle away for several years until everything settled down. And we came back and tried to bury the bones of the Huron but it was overwhelming, it was all over, there were bones all over – that is our story.

There is a misnomer here, that this area of Ontario is not our traditional territory and that we came in here after the Huron-Wendat left or were defeated, but that is not true. That is a big misconception of our history that needs to be corrected. We are the traditional people, we are the ones that signed treaties with the Crown. We are recognized as the ones who signed these treaties and we are the ones to be dealt with officially in any matters concerning territory in southern Ontario.

We had peacemakers go to the Haudenosaunee and live amongst them in order to change their ways. We had also diplomatically dealt with some of the strong chiefs to the north and tried to make peace as much as possible. So we are very important in terms of keeping the balance of relationships in harmony.

Some of the old leaders recognized that it became increasingly difficult to keep the peace after the Europeans introduced guns. But we still continued to meet, and we still continued to have some wampum, which doesn't mean we negated our territory or gave up our territory – we did not do that. We still consider ourselves a sovereign nation despite legal challenges against that. We still view ourselves as a nation and the government must negotiate from that basis."

Often times, southern Ontario is described as being "vacant" after the dispersal of the Huron-Wendat peoples in 1649 (who fled east to Quebec and south to the United States). This is misleading as these territories remained the homelands of the Michi Saagiig Nation.

The Michi Saagiig participated in eighteen treaties from 1781 to 1923 to allow the growing number of European settlers to establish in Ontario. Pressures from increased settlement forced the Michi Saagiig to slowly move into small family groups around the present day communities: Curve Lake First Nation, Hiawatha First Nation, Alderville First Nation, Scugog Island First Nation, New Credit First Nation, and Mississauga First Nation.

The Michi Saagiig have been in Ontario for thousands of years, and they remain here to this day.

This historical context was prepared by Gitiga Migizi, a respected Elder and Knowledge Keeper of the Michi Saagiig Nation.

Publication reference:

Gitiga Migizi and Julie Kapyrka

2015 Before, During, and After: Mississauga Presence in the Kawarthas. In *Peterborough Archaeology,* Dirk Verhulst, editor, pp.127-136. Peterborough, Ontario: Peterborough Chapter of the Ontario Archaeological Society.

APPENDIX B

History of the Nation Huronne-Wendat

ANNEX

History of the Nation Huronne-Wendat

As an ancient people, traditionally, the Huron-Wendat, a great Iroquoian civilization of farmers and fishermen-hunter-gatherers and also the masters of trade and diplomacy, represented several thousand individuals. They lived in a territory stretching from the Gaspé Peninsula in the Gulf of Saint Lawrence and up along the Saint Lawrence Valley on both sides of the Saint Lawrence River all the way to the Great Lakes. Huronia, included in Wendake South, represents a part of the ancestral territory of the Huron-Wendat Nation in Ontario. It extends from Lake Nipissing in the North to Lake Ontario in the South and Île Perrot in the East to around Owend Sound in the West. This territory is today marked by several hundred archaeological sites, listed to date, testifying to this strong occupation of the territory by the Nation. It is an invaluable heritage for the Huron-Wendat Nation and the largest archaeological heritage related to a First Nation in Canada.

According to our own traditions and customs, the Huron-Wendat are intimately linked to the Saint Lawrence River and its estuary, which is the main route of its activities and way of life. The Huron-Wendat formed alliances and traded goods with other First Nations among the networks that stretched across the continent.

Today, the population of the Huron-Wendat Nation is composed of more than 4000 members distributed on-reserve and off-reserve.

The Huron-Wendat Nation band council (CNHW) is headquartered in Wendake, the oldest First Nations community in Canada, located on the outskirts of Quebec City (20 km north of the city) on the banks of the Saint Charles River. There is only one Huron-Wendat community, whose ancestral territory is called the Nionwentsïo, which translates to "our beautiful land" in the Wendat language.

The Huron-Wendat Nation is also the only authority that have the authority and rights to protect and take care of her ancestral sites in Wendake South.

LAND REQUIREMENTS AND AGREEMENTS

Land Requirements:

1. The PR for the Project is summarized in Exhibit D and described in more detail in Section 2 of the ER, found in Attachment 1 to Exhibit F.

2. The PR for the Project may require a bylaw to assume the roads into the municipal open road system or easement where municipal road allowances are not dedicated. The rest of the PR follows the public road allowance. Enbridge Gas will obtain road occupancy permits from the City of Kawartha Lakes, the County of Peterborough, and the Regional Municipality of Durham. /U

3. Temporary working areas may be required along the PR where the road allowance is too narrow or confined to facilitate construction. These areas will be identified with the assistance of the contractor that will perform the construction. Agreements for temporary working rights will be negotiated where required.

Authorizations and Permits Required

4. Enbridge Gas's preliminary work on the Project has identified the following potential required authorizations listed below.

Federal /U

- Transport Canada; and
- Parks Canada.

Provincial

- Ontario Energy Board;
- Ministry of Citizenship and Multiculturalism; /U
- Ministry of the Environment, Conservation and Parks;
- Ministry of Energy;
- Ministry of Transportation;
- Kawartha Conservation Authority;
- Otonabee Region Conservation Authority; and
- Ministry of Economic Development, Job Creation and Trade / Infrastructure Ontario.

Municipal

- City of Kawartha Lakes; /U
- The Regional Municipality of Durham; and
- County of Peterborough

Other /U

- Indigenous engagement;
- Landowner agreements; and
- Hydro One Networks Inc.

5. Other authorizations, notifications, permits and/or approvals may be required in addition to those identified above.

6. Enbridge Gas will obtain all required permits, easements and temporary land use agreements if and as required for the route and location of the proposed facilities prior to the commencement of construction.

7. Attachment 1 to this Exhibit contains the standard form Temporary Land Use Agreement that will be provided to landowners for temporary working space requirements. This standard form Temporary Land Use Agreement is the same agreement approved for use in Enbridge Gas's Haldimand Shores Community Expansion Project (EB-2022-0088).[1] /U

8. Attachment 2 to this Exhibit contains the standard form Easement Agreement that will be provided to landowners. The standard form Easement Agreement is the same agreement approved for use in Enbridge Gas's Haldimand Shores Community Expansion Project (EB-2022-0088).[2] /U

Landowner List

9. Attachment 3 and Attachment 4 to this Exhibit identifies the directly and indirectly impacted landowners along the Supply Lateral and Reinforcement, respectively. Indirectly impacted landowners are those landowners with property adjacent to the PR (e.g., those bordering the municipal road allowance), where no land rights are required as part of the proposed Project. Directly impacted landowners are those landowners whose lands are directly impacted by the Project work and therefore are those from which the Company requires land rights for the proposed Project. /U

[1] EB-2022-0088, Exhibit G, Tab 1, Schedule 1, Attachment 1; and EB-2022-0088, Decision and Order, August 18, 2022, p. 17 /U
[2] EB-2022-0088, Exhibit G, Tab 1, Schedule 1, Attachment 2; and EB-2022-0088, Decision and Order, August 18, 2022, p. 17. /U

Enbridge Gas will provide notice of this application to all landowners listed in Attachment 3 and Attachment 4. /U

TEMPORARY LAND USE AGREEMENT

(hereinafter called the “Agreement”)

Between

(hereinafter called the “Owner”)

and

ENBRIDGE GAS INC.
(hereinafter called the “Company”)

In consideration of the sum of_____XX/100 Dollars ($_____), payable by the Company to the Owner within thirty (30) days of signing of this Agreement in accordance with the Compensation labelled as **Appendix “D”** hereto.

the Owner of **PIN:**

Legal Description: labelled as **Appendix “B”** hereto, hereby grants to the Company, its servants, agents, employees, contractors and sub-contractors and those engaged in its and their business, the right on foot and/or with vehicles, supplies, machinery and equipment at any time and from time to time during the term of this Agreement to enter upon, use and occupy a parcel of land (hereinafter called the "Lands") more particularly described on the Sketch attached hereto labelled as Appendix “A” and forming part of this Agreement, the Lands being immediately adjacent to and abutting the Choose an item. for any purpose incidental to, or that the Company may require in conjunction with, the construction by or on behalf of the Company of a proposed Choose an item. and appurtenances on the Lands including, without limiting the generality of the foregoing, the right to make temporary openings in any fence (if applicable) along or across the Lands and to remove any other object therein or thereon interfering with the free and full enjoyment of the right hereby granted and further including the right of surveying and placing, storing, levelling and removing earth, dirt, fill, stone, debris of all kinds, pipe, supplies, equipment, vehicles and machinery and of movement of vehicles, machinery and equipment of all kinds.

1. This Agreement is granted upon the following understandings:

   a) The rights hereby granted terminate on the day of , 20.

   b) The Company shall make to the person entitled thereto due compensation for any damages resulting from the exercise of the right hereby granted and if the compensation is not agreed upon it shall be determined in the manner prescribed by Section 100 of The Ontario Energy Board Act, R.S.O. 1998 S.O. 1998, c.15 Schedule B, as amended or any Act passed in amendment thereof or substitution there for;

   c) As soon as reasonably possible after the construction, the Company at its own expense will level the Lands, remove all debris therefrom and in all respects, restore the Lands to their former state so far as is reasonably possible, save and except for items in respect of which compensation is due under paragraph (b) and the Company will also restore any gates and fences interfered with around, (*if applicable*) the Lands as closely and as reasonably possible to the condition in which they existed immediately prior to such interference by the Company.

   d) It is further agreed that the Company shall assume all liability and obligations for any and all loss, damage or injury, (including death) to persons or property that would not have happened but for this Agreement or anything done or maintained by the Company hereunder or intended so to be and the Company shall at all times indemnify and save harmless the Owner from and against all such loss, damage or injury and all actions, suits, proceedings, costs, charges, damages, expenses, claims or demands arising therefrom or connected therewith provided that the Company shall not be liable under the Clause to the extent to which such loss, damage or injury is caused or contributed to by the negligence or wilful misconduct of the Owner.

The Company and the Owner agree to perform the covenants on its part herein contained.

Dated this____ day of _____20__.

[Insert name of individual or corporation]

Signature (Owner)

Print Name(s) (and position held if applicable)

Choose an item

Address (Owner)

Signature (Owner)

Print Name(s) (and position held if applicable)

Choose an item.

Address (Owner)

ENBRIDGE GAS INC.

Signature (Company)

, Choose an item.

Name & Title (Enbridge Gas Inc.)

I have authority to bind the Corporation.

519-436-4673

Telephone Number (Enbridge Gas Inc.)

Additional Information: (if applicable):

Property Address:

HST Registration Number:

PIPELINE EASEMENT

(hereinafter called the “Easement”)

Between

(hereinafter called the “Transferor”)

and

ENBRIDGE GAS INC.
(hereinafter called the “Transferee”)

This is an Easement in Gross.

WHEREAS the Transferor is the owner in fee simple of those lands and premises more particularly described as:

PIN:

Legal Description:

(hereinafter called the "Transferor's Lands").

The Transferor does hereby GRANT, CONVEY, TRANSFER AND CONFIRM unto the Transferee, its successors and assigns, to be used and enjoyed as appurtenant to all or any part of the lands, the right, liberty, privilege and easement on, over, in, under and/or through a strip of the Transferor's Lands more particularly described as:

BEING PIN/PART OF THE PIN:

Legal Description:

(hereinafter called the "Lands") to survey, lay, construct, maintain, brush, clear trees and vegetation, inspect, patrol, alter, remove, replace, reconstruct, repair, move, keep, use and/or operate one pipeline for the transmission of Pipeline quality natural gas as defined in The Ontario Energy Board Act S.O. 1998 (hereinafter called the "Pipeline") including therewith all such buried attachments, equipment and appliances for cathodic protection which the Transferee may deem necessary or convenient thereto, together with the right of ingress and egress at any and all times over and upon the Lands for its servants, agents, employees, those engaged in its business, contractors and subcontractors on foot and/or with vehicles, supplies, machinery and equipment for all purposes necessary or incidental to the exercise and enjoyment of the rights, liberty, privileges and easement hereby granted. The Parties hereto mutually covenant and agree each with the other as follows:

1. In Consideration of the sum of ---- 00/100 Dollars ($) (hereinafter called the "Consideration"), which sum is payment in full for the rights and interest hereby granted and for the rights and interest, if any, acquired by the Transferee by expropriation, including in either or both cases payment in full for all such matters as injurious affection to remaining lands and the effect, if any, of registration on title of this document and where applicable, of the expropriation documents, subject to Clause 12 hereof to be paid by the Transferee to the Transferor within 90 days from the date of these presents or prior to the exercise by the Transferee of any of its rights hereunder other than the right to survey (whichever may be the earlier date), the rights, privileges and easement hereby granted shall continue in perpetuity or until the Transferee, with the express written consent of the Transferor, shall execute and deliver a surrender thereof. Prior to such surrender, the Transferee shall remove all debris as may have resulted from the Transferee's use of the Lands from the Lands and in all respects restore the Lands to its previous productivity and fertility so far as is reasonably possible , save and except for items in respect of which compensation is due under Clause 2, hereof. As part of the Transferee’s obligation to restore the Lands upon surrender of its easement, the Transferee agrees at the option of the Transferor to remove the Pipeline from the Lands. The Transferee and the Transferor shall surrender the Easement and the Transferee shall remove the Pipeline at the Transferor’s option where the Pipeline has been abandoned. The Pipeline shall be deemed to be abandoned where: (a) corrosion protection is no longer applied to the Pipeline, or, (b) the Pipeline becomes unfit for service in accordance with Ontario standards. The Transferee shall, within 60 days of either of these events occurring, provide the Transferor with notice of the event. Upon removal of the Pipeline and restoration of the Lands as required by this agreement, the Transferor shall release the Transferee from further obligations in respect of restoration.

2. The Transferee shall make to the Transferor (or the person or persons entitled thereto) due compensation for any damages to the Lands resulting from the exercise of any of the rights herein granted, and if the compensation is not agreed upon by the Transferee and the Transferor, it shall be determined by arbitration in the manner prescribed by the Expropriations Act, R.S.O. 1990, Chapter E-26 or any Act passed in amendment thereof or substitution therefore. Any gates, fences and tile drains curbs, gutters, asphalt paving, lock stone, patio tiles interfered with by the Transferee shall be restored by the Transferee at its expense as closely as reasonably possible to the condition and function in which they existed immediately prior to such interference by the Transferee and in the case of tile drains, such restoration shall be performed in accordance with good drainage practice and applicable government regulations.

3. The Pipeline (including attachments, equipment and appliances for cathodic protection but excluding valves, take-offs and fencing installed under Clause 9 hereof) shall be laid to such a depth that upon completion of installation it will not obstruct the natural surface run-off from the Lands nor ordinary cultivation of the Lands nor any tile drainage system existing in the Lands at the time of installation of the Pipeline nor any planned tile drainage system to be laid in the Lands in accordance with standard drainage practice, if the Transferee is given at least thirty (30) days' notice of such planned system prior to the installation of the Pipeline. The Transferee agrees to make reasonable efforts to accommodate the planning and installation of future tile drainage systems following installation of the Pipeline so as not to obstruct or interfere with such tile installation. In the event there is a change in the use of all, or a portion of the Transferor Lands adjacent to the Lands which results in the pipeline no longer being in compliance with the pipeline design class location requirements, then the Transferee shall be responsible for any costs associated with any changes to the Pipeline required to ensure compliance with the class location requirements.

4. As soon as reasonably possible after the construction of the Pipeline, the Transferee shall level the Lands and unless otherwise agreed to by the Transferor, shall remove all debris as may have resulted from the Transferee's use of the Lands therefrom and in all respects restore the Lands to its previous productivity and fertility so far as is reasonably possible, save and except for items in respect of which compensation is due under Clause 2 hereof.

5. It is further agreed that the Transferee shall assume all liability and obligations for any and all loss, damage or injury, (including death) to persons or property that would not have happened but for this Easement or anything done or maintained by the Transferee hereunder or intended so to be and the Transferee shall at all times indemnify and save harmless the Transferor from and against all such loss, damage or injury and all actions, suits, proceedings, costs, charges, damages, expenses, claims or demands arising therefrom or connected therewith provided that the Transferee shall not be liable under the clause to the extent to which such loss, damage or injury is caused or contributed to by the negligence or wilful misconduct of the Transferor.

6. In the event that the Transferee fails to comply with any of the requirements set out in Clauses 2, 3, or 4 hereof within a reasonable time of the receipt of notice in writing from the Transferor setting forth the failure complained of, the Transferee shall compensate the Transferor (or the person or persons entitled thereto) for any damage, if any, necessarily resulting from such failure and the reasonable costs if any, incurred in the recovery of those damages.

7. Except in case of emergency, the Transferee shall not enter upon any of the Transferor's Lands, other than the Lands, without the consent of the Transferor. In case of emergency the right of entry upon the Transferor's Lands for ingress and egress to and from the Lands is hereby granted. The determination of what circumstances constitute an emergency, for purposes of this paragraph is within the absolute discretion of the Transferee, but is a situation in which the Transferee has a need to access the Pipeline in the public interest without notice to the Transferor, subject to the provisions of Clause 2 herein. The Transferee will, within 72 hours of entry upon such lands, advise the Transferor of the said emergency circumstances and thereafter provide a written report to Transferor with respect to the resolution of the emergency situation The Transferee shall restore the lands of the Transferor at its expense as closely as reasonably practicable to the condition in which they existed immediately prior to such interference by the Transferee and in the case of tile drains, such restoration shall be performed in accordance with good drainage practice.

8. The Transferor shall have the right to fully use and enjoy the Lands except for planting trees over the lesser of the Lands or a six (6) meter strip centered over the Pipeline, and except as may be necessary for any of the purposes hereby granted to the Transferee, provided that the Transferor shall not excavate, drill, install, erect or permit to be excavated, drilled, installed or erected in, on, over or through the Lands any pit, well, foundation, building, mobile homes or other structure or installation and the Transferor shall not deposit or store any flammable material, solid or liquid spoil, refuse, waste or effluent on the Lands. Notwithstanding the foregoing the Transferee upon request shall consent to the Transferor erecting or repairing fences, hedges, pavement, lockstone constructing or repairing tile drains and domestic sewer pipes, water pipes, and utility pipes and constructing or repairing lanes, roads, driveways, pathways, and walks across, on and in the Lands or any portion or portions thereof, provided that before commencing any of the work referred to in this sentence the Transferor shall (a) give the Transferee at least (30) clear days' notice in writing describing the work desired so as to enable the Transferee to evaluate and comment on the work proposed and to have a representative inspect the site and/or be present at any time or times during the performance of the work, (b) shall follow the instructions of such representative as to the performance of such work without damage to the Pipeline, (c) shall exercise a high degree of care in carrying out any such work and, (d) shall perform any such work in such a manner as not to endanger or damage the Pipeline as may be required by the Transferee.

9. The rights, privileges and easement herein granted shall include the right to install, keep, use, operate, service, maintain, repair, remove and/or replace in, on and above the Lands any valves and/or take-offs subject to additional agreements and to fence in such valves and/or take-offs and to keep same fenced in, but for this right the Transferee shall pay to the Transferor (or the person or persons entitled thereto) such additional compensation as may be agreed upon and in default of agreement as may be settled by arbitration under the provisions of The Ontario Energy Board Act, S.O. 1998, or any Act passed in amendment thereof or substitution therefore. The Transferee shall keep down weeds on any lands removed from cultivation by reason of locating any valves and/or take-offs in the Lands.

10. Notwithstanding any rule of law or equity and even though the Pipeline and its appurtenances may become annexed or affixed to the realty, title thereto shall nevertheless remain in the Transferee.

11. Neither this Agreement nor anything herein contained nor anything done hereunder shall affect or prejudice the Transferee's rights to acquire the Lands or any other portion or portions of the Transferor's lands under the provisions of The Ontario Energy Board Act, S.O. 1998, or any other laws, which rights the Transferee may exercise at its discretion in the event of the Transferor being unable or unwilling for any reason to perform this Agreement or give to the Transferee a clear and unencumbered title to the easement herein granted.

12. The Transferor covenants that he has the right to convey this Easement notwithstanding any act on his part, that he will execute such further assurances of this Easement as may be requisite and which the Transferee may at its expense prepare and that the Transferee, performing and observing the covenants and conditions on its part to be performed, shall have quiet possession and enjoyment of the rights, privileges and easement hereby granted. If it shall appear that at the date hereof the Transferor is not the sole owner of the Lands, this Easement shall nevertheless bind the Transferor to the full extent of his interest therein and shall also extend to any after-acquired interest, but all moneys payable hereunder shall be paid to the Transferor only in the proportion that his interest in the Lands bears to the entire interest therein.

13. In the event that the Transferee fails to pay the Consideration as hereinbefore provided, the Transferor shall have the right to declare this Easement cancelled after the expiration of 15 days from personal service upon the Lands Department of the Transferee at its Executive Head Office in Chatham, Ontario, (or at such other point in Ontario as the Transferee may from time to time specify by notice in writing to the Transferor) of notice in writing of such default, unless during such 15 day period the Transferee shall pay the Consideration; upon failing to pay as aforesaid, the Transferee shall forthwith after the expiration of 15 days from the service of such notice execute and deliver to the Transferor at the expense of the Transferee, a valid and registrable release and discharge of this Easement.

14. All payments under these presents may be made either in cash or by cheque of the Transferee and may be made to the Transferor (or person or persons entitled thereto) either personally or by mail. All notices and mail sent pursuant to these presents shall be addressed to:

    the Transferor at:

    and to the Transferee at: Enbridge Gas Inc.
    P.O. Box 2001
    50 Keil Drive North
    Chatham, Ontario N7M 5M1
    Attention: Lands Department

    or to such other address in either case as the Transferor or the Transferee respectively may from time to time appoint in writing.

15. The rights, privileges and easement hereby granted are and shall be of the same force and effect as a covenant running with the Transferor's Land and this Easement, including all the covenants and conditions herein contained, shall extend to, be binding upon and inure to the benefit of the heirs, executors, administrators, successors and assigns of the Parties hereto respectively; and, wherever the singular or masculine is used it shall, where necessary, be construed as if the plural, or feminine or neuter had been used, as the case may be.

16. (a) The Transferee represents that it is registered for the purposes of the Harmonized Goods and Services Tax (hereinafter called "HST") in accordance with the applicable provisions in that regard and pursuant to the Excise Tax Act, (R.S.C., 1985, c. E-15), (hereinafter called "Excise Tax Act"), as amended.

    (b) The Transferee shall undertake to self-assess the HST payable in respect of this transaction pursuant to subparagraphs 221(2) and 228(4) of the Excise Tax Act, and to remit and file a return in respect of HST owing as required under the said Act for the reporting period in which the HST in this transaction became payable.

    (c) The Transferee shall indemnify and save harmless the Transferor from and against any and all claims, liabilities, penalties, interest, costs and other legal expenses incurred, directly or indirectly, in connection with the assessment of HST payable in respect of the transaction contemplated by this Easement. The Transferee's obligations under this Clause shall survive this Easement.

17. The Transferor hereby acknowledges that this Easement will be registered electronically.

18. Transferee hereby declares that this easement is being acquired by Transferee for the purpose of a hydrocarbon line within the meaning of Part VI of the Ontario Energy Board Act, 1998 and/or a utility line within the meaning of the Ontario Energy Board Act, 1998.

Dated this _____ day of _____ 20__.

Signature (Transferor)	**Signature (Transferor)**
Print Name(s) (and position held if applicable)	**Print Name(s) (and position held if applicable)**
Address (Transferor)	**Address (Transferor)**

ENBRIDGE GAS INC.

Signature (Transferee)

, Choose an item.

Name & Title (Enbridge Gas Inc.)

I have authority to bind the Corporation.

519-436-4673

Telephone Number (Enbridge Gas Inc.)

Additional Information: (if applicable):

Property Address:

HST Registration Number:

Supply Lateral

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Directly Affected (D)	28000-0443			The Regional Municipality of Durham	605 Rossland Road East		Whitby	ON	L1N 6A3	FIRSTLY: RDAL BTN LOTS 12 & 13 CON 12 CAVAN; RDAL BTN LOTS 12 & 13 CON 13 CAVAN; SECONDLY: PT LT 13 CON 12 CAVAN AS IN CMR12477; PT LT 13 CON 13 CAVAN AS IN CMR12566, CMR12252; PT LT 55A, 59 PL 17 CAVAN AS IN CMR15206, AS IN CMR15314; PT LT 12 CON 13 CAVAN AS IN CMR12987; PT LT 12 CON 12 CAVAN AS IN CMR12251; PT LT 13 CON 13 CAVAN (TRAVELLED RD) AKA QUEEN ST, COUNTY RD 10 BTN KING ST & STEWART 12TH LINE; CVN-MIL-NMO						
Directly Affected (D)	28000-0444			Peterborough County	470 Water Street		Peterborough	ON	K9H 3M3	FIRSTLY: RDAL BTN LOTS 12 & 13 CON 14 CAVAN; PT LT 25 PL 17 CAVAN PT 2 9R1701; SECONDLY: PT LT 13 CON 14 CAVAN; PT LT 6-8 PL 17 CAVAN; PT JAMISON ST PL 17 CAVAN; PT LT 12 CON 14 CAVAN AS IN CMR11892; PT LT 12 CON 14 CAVAN (TRAVELLED RD) AKA QUEEN ST, COUNTY RD 10 BTN KING ST & HAYES LINE; CVN-MIL-NMO						
Directly Affected (D)	23258-0051			City of Kawartha Lakes City Hall	26 Francis Street		Lindsay	ON	K9V 5R8	TLY: PT RDAL BTN LT 12 AND LT 13 CON 1 EMILY; PT RDAL BTN LT 12 AND LT 13 CON 2 EMILY; PT RDAL BTN LT 12 AND LT 13 CON 3 EMILY; PT RDAL BTN CON 1 AND CON 2 EMILY; PT RDAL BTN CON 2 AND CON 3 EMILY; PT N1/2 OF N1/2 LT 12 CON 3 EMILY; PT S1/2 OF N1/2 LT 12 CON 3 EMILY; PT NW1/4 LT 13 CON 3 EMILY; PT SW1/4 LT 13 CON 3 EMILY; PT N1/2 LT 12 CON 2 EMILY; PT S1/2 LT 12 CON 2 EMILY; PT N1/2 LT 13 CON 2 EMILY; PT S1/2 LT 13 CON 2 EMILY; PT E1/2 LT 12 CON 1 EMILY; PT N1/2 LT 13 CON 1 EMILY; PT S1/2 LT 13 CON 1 EMILY; PT S1/2 LT 12 CON 3 EMILY AS IN HWY11, HWY12, HWY203, HWY712H & HWY816H LYING S OF R209308 & N OF RDAL BTN TWP OF EMILY AND TWP OF CAVAN (AKA COUNTY ROAD); S/T EM11083; KAWARTHA LAKES						
Directly Affected (D)	63257-0054			HER MAJESTY THE QUEEN IN RIGHT OF THE PROVINCE OF ONTARIO, REPRESENTED BY THE MINISTER OF TRANSPORTATION (MTO)	159 Sir William Hearst Avenue		Downsview	ON	M3M 0B7	RDAL BTN CON 3 AND CON 4 EMILY; PT RDAL BTN LT 12 AND LT 13 CON 3 EMILY; PT E1/2 LT 13 CON 4 EMILY; PT SW1/4 LT 13 CON 4 EMILY; PT S1/2 LT 14-16 CON 4 EMILY; PT SE1/4 LT 17 CON 4 EMILY; PT SW1/4 LT 17 CON 4 EMILY; PT S1/2 LT 18 CON 4 EMILY; PT SE1/4 LT 19 CON 4 EMILY; PT SW1/4 LT 19 CON 4 EMILY; PT E1/2 LT 20 CON 4 EMILY; PT NW1/2 LT 20 CON 4 EMILY; PT SE1/4 LT 21 CON 4 EMILY; PT SW1/4 LT 21 CON 4 EMILY; PT S1/2 LT 22 CON 4 EMILY; PT S PT LT 23 CON 4 EMILY; PT NE1/4 LT 13 CON 3 EMILY; PT NW1/4 LT 13 CON 3 EMILY; PT NE1/4 LT 14 CON 3 EMILY; PT NW1/4 LT 14 CON 3 EMILY; PT NE1/4 LT 15 CON 3 EMILY; PT NW1/4 LT 15 CON 3 EMILY; PT N1/2 LT 16-18 CON 3 EMILY; PT NW1/4 LT 19 CON 3 EMILY; PT NE1/4 LT 20 CON 3 EMILY; PT NW1/4 LT 20 CON 3 EMILY; PT LT 21 CON 3 EMILY; PT N1/2 LT 22 CON 3 EMILY; PT N PT LT 23 CON 3 EMILY AS IN PT 1 R209308 , PT 1 & 2 57R537, PT 1 RD132, PT 2 AND 8 RD127 PT 1 57R8130 LYING BTN RDAL BTN LT 12 AND 13 AND RDAL BTN TWP OF EMILY AND TWP OF SMITH AKA KINGS HIGHWAY NO 7 AKA TRANS CANADA HIGHWAY, S/T A8344; S/T EM10578, EM10671, EM11054, EM11091, EM11519, EM11553; KAWARTHA LAKES						
Directly Affected (D)	63257-0053			THE CORPORATION OF THE COUNTY OF VICTORIA City of Kawartha Lakes City Hall	26 Francis Street		Lindsay	ON	K9V 5R8	BTN LT 12 AND LT 13 CON 6 EMILY; PT SE1/4 LT 12 CON 6 EMILY AS IN HWY223; PT NW1/4 LT 13 CON 6 EMILY AS IN A62642 EXCEPT PT 3, 57R306; AS IN HWY222 EXCEPT PT 1 & 3, 57R1596; PT SW1/4 LT 13 CON 6 EMILY AS IN VT61936; PT LT 1-2, 24-30 RCP 3 PT 12, 13, 14 , 15, 16, 17, 18, 19, 20 & 21 57R2707; PT 1, 57R2638; PT 2, 3 & 4, HWY909H;; PT S1/2 LT 13 CON 5 EMILY PT 1, 2, 3 & 4, 57R2707, PT 2, 57R1895 & PT 1, 57R1247; S/T R117455; PT LT 8-10, 24-27, 43-44 RCP 2 PT 22, 23, 24, 25, 26, 27, 28, 29 & 30, 57R2707; PT LT 5-10, 18 RCP 552 PT 2, 57R2622; PT 5, 6, 7, 8, 9, 10 & 11, 57R2707; PT NE1/4 LT 12 CON 4 EMILY PT 8 & 9, 57R2695; PT SE1/4 LT 12 CON 4 EMILY AS IN VT61792; SECONDLY, PT NW1/4 LT 13 CON 4 EMILY PT 7, 57R2695; PT SW1/4 LT 13 CON 4 EMILY AS IN A56957; PT 2, 57R2155; PT 1, 57R1392; PT 3, 4, 5 & 6, 57R2695; SECONDLY, AS IN R117455, AKA COUNTY RD #10; LYING N OF R209308 S OF THE RDAL BTN CON 6 & 7 & S OF PT 4 & 5, 57R1596; PT NE1/4 LT 12 CON 6 EMILY PT 1, 57R2677; S/T EM10647, VT57488; KAWARTHA LAKES						
Directly Affected (D)	63253-0275			(Public Authority Having Jurisdiction) City of Kawartha Lakes City Hall	26 Francis Street		Lindsay	ON	K9V 5R8	PT NW PT LT 11 CON 6 EMILY; PT NW1/4 LT 12 CON 6 EMILY; PT NE1/4 LT 12 CON 6 EMILY BEING FORCED RD THROUGH (AKA COUNTY RD1 4 & 27, PEACE RD); KAWARTHA LAKES						
Directly Affected (D)	63253-0274			(Public Authority Having Jurisdiction) City of Kawartha Lakes City Hall	26 Francis Street		Lindsay	ON	K9V 5R8	PT NE1/4 LT 12 CON 6 EMILY; PT NW1/4 LT 12 CON 6 EMILY AS IN EM9736, HWY577; KAWARTHA LAKES						
Directly Affected (D)	63253-0250			THE CORPORATION OF THE COUNTY OF VICTORIA City of Kawartha Lakes City Hall	26 Francis Street		Lindsay	ON	K9V 5R8	FIRSTLY: PT NW PT LT 11 CON 6 EMILY AS IN HWY577; PT COWANS DR PL 358 LYING E OF E LIMIT OF 57R4984 & 57R7806; SECONDLY: PT NW PT LT 11 CON 6 EMILY PT 7, 57R243 AKA COUNTY RD 14; KAWARTHA LAKES						
Directly Affected (D)	63253-0052			THE CORPORATION OF THE COUNTY OF VICTORIA City of Kawartha Lakes City Hall	26 Francis Street		Lindsay	ON	K9V 5R8	FIRSTLY: PT RDAL BTN LT 5 AND LT 6 CON 10 VERULAM; PT RDAL BTN TWP OF HARVEY AND TWP OF VERULAM; PT RDAL BTN LT 4 AND LT 5 CON 19 HARVEY; PT LT 6-10 CON 10 VERULAM PT 5, 7 & 8, 57R1535, AS IN A30322, PT 3, 57R4983, AS IN A4550, AS IN R221024 & PT 3 & 4, 57R5266; PT LT 8-9 CON 19 HARVEY PT 3, 57R3313, PT 1, 2, 4 & 7, 57R1003; SECONDLY: PT LT 6 CON 10 VERULAM PT 5, 57R934 LYING S OF RDAL BTN LT 10 AND LT 11 AKA COUNTY RD 17, AKA PIGEON LAKE RD; S/T DEBTS IN R235386; KAWARTHA LAKES						

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Directly Affected (D)	63253-0184			THE CORPORATION OF THE COUNTY OF VICTORIA City of Kawartha Lakes City Hall	26 Francis Street		Lindsay	ON	K9V 5R8	PT LT 11 CON 7 EMILY PT 1, RD1 EXCEPT A2726; KAWARTHA LAKES						
Directly Affected (D)	63253-0244			THE CORPORATION OF THE COUNTY OF VICTORIA City of Kawartha Lakes City Hall	26 Francis Street		Lindsay	ON	K9V 5R8	FIRSTLY: PT LT 11 CON 7 EMILY; PT E1/2 LT 12 CON 7 EMILY ; PT W1/2 LT 12 CON 7 EMILY PT 1, 4 TO 7, 9 & 16, 57R5257, PT 1, 57R6519; SECONDLY: PT LT 10 CON 7 EMILY ; PT LT 11 CON 7 EMILY; PT E1/2 LT 12 CON 7 EMILY; PT W1/2 LT 12 CON 7 EMILY BEING A FORCE RD THROUGH, PT LT 10 CON 7 EMILY PT 6, 57R243; KAWARTHA LAKES						
Directly Affected (D)	63252-0248			(Public Authority Having Jurisdiction) City of Kawartha Lakes City Hall	26 Francis Street		Lindsay	ON	K9V 5R8	FIRSTLY; RDAL BTN LT 12 AND LT 13 CON 7 EMILY; RDAL BTN LT 12 AND LT 13 CON 8 EMILY; RDAL BTN LT 12 AND LT 13 CON 9 EMILY; RDAL BTN LT 12 AND LT 13 CON 10 EMILY; PT N1/2 LT 12 CON 10 EMILY PT 7, 57R3660; PT S1/2 LT 12 CON 10 EMILY PT 24, 57R5257; PT 4 57R1841; PT N1/2 LT 12 CON 9 EMILY PT 23, 57R5257; PT 2, 57R3660; PT S1/2 LT 12 CON 9 EMILY PT 1 & 2, 57R1841; S/T DEBTS IN R115839; PT N1/2 LT 12 CON 8 EMILY PT 18, 57R5257; PT N1/2 LT 13 CON 10 EMILY PT 5, 57R3660; PT S1/2 LT 13 CON 10 EMILY PT 6 & 7, 57R205; PT 8, 57R4286; CLOSED BY R206693 PT 7, 57R4286; PT N1/2 LT 13 CON 9 EMILY PT 1, 57R3660; PT S1/2 LT 13 CON 9 EMILY PT 21 & 22, 57R5257; PT LT 13 CON 8 EMILY AS IN R128517; PT 2, 57R651; PT 2, 57R805; PT 1, 57R3997; PT 19, 57R5257; SECONDLY; PT S1/2 LT 13 CON 10 EMILY AS IN A21525; PT LT 13 CON 8 EMILY PT 2, 57R1000 BTN RDAL BTN CON 6 & CON 7 & RDAL BTN CON 10 & CON 11 AKA COUNTY RD # 10; KAWARTHA LAKES						
Directly Affected (D)	63250-0089			THE CORPORATION OF THE COUNTY OF VICTORIA City of Kawartha Lakes City Hall	26 Francis Street		Lindsay	ON	K9V 5R8	FIRSTLY; PT N1/2 LT 21 CON 13 EMILY; PT S1/2 LT 21 CON 13 EMILY PT 1, 2, 4 57R3092, PT 7-10 57R4819, PT 3-6 57R2872; RDAL BTN CON 12 AND CON 13 EMILY BTN LINE JOINING PT 2 57R3092 & PT 2 57R258 & LINE JOINING PT 6 & 7 57R4819; PT N1/2 LT 21 CON 12 EMILY AS IN HWY212, PT 6 57R4819; PT S1/2 LT 21, 20 CON 12 EMILY AS IN HWY197, HWY198, PT 1, 2 57R2872, PT 1, 3 57R4819; PT E1/2 LT 19 CON 12 EMILY PT 15 57R4947; PT W1/2 LT 19 CON 12 EMILY PT 14 57R4947; RDAL BTN CON 11 AND CON 12 EMILY BTN S EXTENSION OF W LIMIT OF RDAL BTN LT 18 AND LT 19 CON 12 AND EXTENSION OF SELY LIMIT OF HWY197; PT N1/2						
Directly Affected (D)	63142-0315			THE CORPORATION OF THE COUNTY OF VICTORIA City of Kawartha Lakes City Hall	26 Francis Street		Lindsay	ON	K9V 5R8	RDAL BTN CON 13 AND CON 14 EMILY ABUTTING LOTS 7 TO 22; KAWARTHA LAKES						
Directly Affected (D)	63142-0313			THE CORPORATION OF THE COUNTY OF VICTORIA City of Kawartha Lakes City Hall	26 Francis Street		Lindsay	ON	K9V 5R8	FIRSTLY PT LT 21 CON 14 EMILY PT 2, 57R1344, PT 7 & 8, 57R2872, PT 6 & 7, 57R3092, PT 11, 57R4819; PT W1/2 LT 22 CON 14 EMILY AS IN HWY171, HWY224, HWY225, PT 5, 57R3092, PT 3, 57R2579 & PT 3, 57R259, SECONDLY PT LT 21 CON 14 EMILY, PT W1/2 LT 22 CON 14 EMILY BEING FORCED ROAD THROUGH, AKA COUNTY RD #17; KAWARTHA LAKES						
Directly Affected (D)	63139-0330			(Public Authority Having Jurisdiction) City of Kawartha Lakes City Hall	26 Francis Street		Lindsay	ON	K9V 5R8	RDAL BTN TWP OF EMILY AND TWP OF VERULAM E OF W LIMIT OF HWY NO. 17; KAWARTHA LAKES						
Directly Affected (D)	63139-0319			(Public Authority Having Jurisdiction) City of Kawartha Lakes City Hall	26 Francis Street		Lindsay	ON	K9V 5R8	FIRSTLY; RDAL BTN CON 9 AND CON 10 VERULAM; PT LT 2 CON 9 VERULAM PT 2, 57R6564; PT S1/2 LT 3 CON 9 VERULAM PT 1, 57R682; SECONDLY; PT W1/2 LT 4 CON 10 VERULAM; PT W PT LT 5 CON 10 VERULAM PT 2 & 4, 57R1535; BEING COUNTY RD NO 17 BTN LT 1 & RDAL BTN LT 5 & 6 CON 10; KAWARTHA LAKES						
Directly Affected (D)	63138-0052			(Public Authority Having Jurisdiction) City of Kawartha Lakes City Hall	26 Francis Street		Lindsay	ON	K9V 5R8	PT RDAL BTN TWP OF CAVAN AND TWP OF EMILY LYING BTN RDAL BTN LT 12 & 13 & RDAL BTN TWP OF EMILY & TWP OF SMITH, LYING N OF THE CENTRELINE; KAWARTHA LAKES						
Directly Affected (D)	63137-0081			THE CORPORATION OF THE COUNTY OF VICTORIA City of Kawartha Lakes City Hall	26 Francis Street		Lindsay	ON	K9V 5R8	FIRSTLY PT LT 10 CON 10 VERULAM; PT LT 11-14 CON 10 VERULAM; PT LT 10 CON 19 HARVEY; PT BED OF LITTLE BOB CHANNEL IN FRONT OF LT 14 CON 10 VERULAM; PT RDAL BTN CON 9 AND CON 10 VERULAM; PT RDAL BTN LT 10 AND LT 11 CON 10 VERULAM; PT LT 3, 55-56, 4-10 RCP 564; PT LT 12, 11 CON 19 HARVEY; PT RDAL BTN TWP OF HARVEY AND TWP OF VERULAM AS IN HWY183, PT 1, R221024 & PT 1, R378237 BTN N LIMIT OF LITTLE BOB CHANNEL & RDAL BTN CON 9 & 10 EXCEPT PT 1, 2 & 5, 57R233; SECONDLY PT LT 12 CON 19 HARVEY; PT 3, 57R8250 BEING KING'S HIGHWAY 36; KAWARTHA LAKES						
Directly Affected (D)	63136-0087			(Public Authority Having Jurisdiction) City of Kawartha Lakes City Hall	26 Francis Street		Lindsay	ON	K9V 5R8	FIRSTLY PT LT 10 CON 10 VERULAM; PT LT 11-14 CON 10 VERULAM; PT LT 10 CON 19 HARVEY; PT BED OF LITTLE BOB CHANNEL IN FRONT OF LT 14 CON 10 VERULAM; PT RDAL BTN CON 9 AND CON 10 VERULAM; PT RDAL BTN LT 10 AND LT 11 CON 10 VERULAM; PT LT 3, 55-56, 4-10 RCP 564; PT LT 12, 11 CON 19 HARVEY; PT RDAL BTN TWP OF HARVEY AND TWP OF VERULAM AS IN HWY183, PT 1, R221024 & PT 1, R378237 BTN N LIMIT OF LITTLE BOB CHANNEL & RDAL BTN CON 9 & 10 EXCEPT PT 1, 2 & 5, 57R233; SECONDLY PT LT 12 CON 19 HARVEY; PT 3, 57R8250 BEING KING'S HIGHWAY 36; KAWARTHA LAKES						

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Directly Affected (D)	63135-0401			THE CORPORATION OF THE COUNTY OF VICTORIA City of Kawartha Lakes City Hall	26 Francis Street		Lindsay	ON	K9V 5R8	RDAL BTN TWP OF VERULAM AND TWP OF HARVEY; PT LT 15-16 CON 19 HARVEY; PT BLK Y PL 29; PT LT 15 E/S HELEN ST, 13 W/S ANNE ST, 11 E/S ANNE ST, 12 E/S ANNE ST PL 70; PT HELEN ST, ANN ST, FRONT ST, NORTH ST PL 70; PT RIVERSIDE DR PL 131; PT BOBCAYGEON RD PL 70 PT 3, R378237; PT 2, R378236 AKA HWY #36, AKA EAST ST, S OF PT 1, R368285 & N OF OTONABEE RIVER EXCEPT PT 1 & 2 HWY798H; KAWARTHA LAKES						
Directly Affected (TWS)	63250 0146	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 20 CON 12 EMILY AS IN R331652 LYING N AND W OF 57R2872; KAWARTHA LAKES	Toronto Dominion Bank Inst. No.R425432	Suite 901, 4 Hughson Street South		Hamilton	ON	L8N 3Z1
Indirectly Affected (TWS	63250 0146	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 20 CON 12 EMILY AS IN R331652 LYING N AND W OF 57R2872; KAWARTHA LAKES	Toronto Dominion Bank Inst. No.R425432	Suite 901, 4 Hughson Street South		Hamilton	ON	L8N 3Z1
Directly Affected (TWS)	63250 0169	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 8 PL 308; KAWARTHA LAKES						
Directly Affected (TWS)	63250 0169	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 8 PL 308; KAWARTHA LAKES						
Directly Affected (D)	63134-0102			THE CORPORATION OF THE COUNTY OF VICTORIA City of Kawartha Lakes City Hall	26 Francis Street		Lindsay	ON	K9V 5R8	JOSEPH ST, NORTH ST PL 70 BEING DUKE ST; PT LT 21 PL 32; PT BLK Y PL 29; PT LT 1 N/S NORTH ST, 2 N/S NORTH ST, 15 W/S JOSEPH ST PL 70 ; PT 1, 2 & 3, 57R7583, PT 1 & 2, ON R117699, PT 4, 57R2665, AKA COUNTY RD 8 BTN NORTH ST PL70 & KINGS HWY NO. 36; KAWARTHA LAKES						
Directly Affected (D)	63142 0308	[redacted]	[redacted]		[redacted]		KAWARTHA LAKES	ON	K0M 1A0	PT LT 21 CON 14 EMILY AS IN R444837 W OF 57R3092, S/T & T/W R112447; KAWARTHA LAKES						
Indirectly Affected (D)	63250-0202	[redacted]	[redacted]		[redacted]		KAWARTHA LAKES	ON	K0M 1A0	PT S1/2 LT 16 CON 11 EMILY AS IN R275006; KAWARTHA LAKES	Farm Credit Canada	104-1133 ST GEORGE BLVD		MONCTON	NB	E1E 4E1
Indirectly Affected (D)	63250-0202	[redacted]	[redacted]		[redacted]		KAWARTHA LAKES	ON	K0M 1A0	PT S1/2 LT 16 CON 11 EMILY AS IN R275006; KAWARTHA LAKES						
Indirectly Affected (D)	63250-0202	[redacted]	[redacted]		[redacted]		KAWARTHA LAKES	ON	K0M 1A0	PT S1/2 LT 16 CON 11 EMILY AS IN R275006; KAWARTHA LAKES	[redacted]	[redacted]		Omemee	ON	K0L 2W0
Indirectly Affected (D)	63250-0202	[redacted]	[redacted]		[redacted]		KAWARTHA LAKES	ON	K0M 1A0	PT S1/2 LT 16 CON 11 EMILY AS IN R275006; KAWARTHA LAKES						
Indirectly Affected (I)	63256-0065	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2WO	PT NW PT LT 11 CON 6 EMILY AS IN R388768; S/T R235500 CITY OF KAWARTHA LAKES	Bell Canada	F-3 200 Bradley Street		Sudbury	ON	P3E 3L9
Indirectly Affected (I)	63256-0065	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2WO	PT NW PT LT 11 CON 6 EMILY AS IN R388768; S/T R235500 CITY OF KAWARTHA LAKES	Bell Canada	F-3 200 Bradley Street		Sudbury	ON	P3E 3L9
Indirectly Affected (I)	63256-0063	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT NW PT LT 11 CON 6 EMILY AS IN R289748; KAWARTHA LAKES						
Indirectly Affected (I)	63256-0063	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT NW PT LT 11 CON 6 EMILY AS IN R289748; KAWARTHA LAKES	The Bank of Nova Scotia	10 Wright Blvd		Stratford	ON	N4Z 1H3
Indirectly Affected (I)	63256-0064	[redacted]	[redacted]		[redacted]		KAWARTHA LAKES	ON	K0L 2W0	PT NW PT LT 11 CON 6 EMILY PT 1, 57R6106; CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63256-0064	[redacted]	[redacted]		[redacted]		KAWARTHA LAKES	ON	K0L 2W0	PT NW PT LT 11 CON 6 EMILY PT 1, 57R6106; CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63253-0249	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	PT NW PT LT 11 CON 6 EMILY AS IN R410868, S/T INTEREST IN R410868; CITY OF KAWARTHA LAKES	INTEREST IN R410868: Subject to any interest of the public crossing the former public road	N/A				

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63253-0249	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	PT NW PT LT 11 CON 6 EMILY AS IN R410868, S/T INTEREST IN R410868; CITY OF KAWARTHA LAKES	INTEREST IN R410868: Subject to any interest of the public crossing the former public road	N/A				
Indirectly Affected (I)	63253-0278	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	PT LT 11 CON 7 EMILY PT 1, RD1 EXCEPT A2726; KAWARTHA LAKES						
Indirectly Affected (I)	63253-0183	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	PT LT 11 CON 7 EMILY AS IN R365801 (FIRSTLY, FOURTHLY); KAWARTHA LAKES						
Indirectly Affected (I)	63253-0183	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	PT LT 11 CON 7 EMILY AS IN R365801 (FIRSTLY, FOURTHLY); KAWARTHA LAKES						
Indirectly Affected (I)	63253-0171	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	PT LT 11 CON 7 EMILY; PT W1/2 LT 12 CON 7 EMILY; KAWARTHA LAKES						
Indirectly Affected (I)	63253-0171	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	PT LT 11 CON 7 EMILY; PT W1/2 LT 12 CON 7 EMILY; KAWARTHA LAKES						
Indirectly Affected (I)	63253-0182	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	PT LT 11 CON 7 EMILY; PT W1/2 LT 12 CON 7 EMILY AS IN R470018 EXCEPT HWY922H; S/T R470018; KAWARTHA LAKES	Quit Claim-N/A					
Indirectly Affected (I)	63253-0178	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	PT W1/2 LT 12 CON 7 EMILY PT 1, 57R4240 EXCEPT PT 4 & 5, 57R5257; KAWARTHA LAKES						
Indirectly Affected (I)	63253-0178	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	PT W1/2 LT 12 CON 7 EMILY PT 1, 57R4240 EXCEPT PT 4 & 5, 57R5257; KAWARTHA LAKES						
Indirectly Affected (I)	63253-0179	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	PT W1/2 LT 12 CON 7 EMILY PT 1, 57R5843; KAWARTHA LAKES						
Indirectly Affected (I)	63253-0180	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	PT W1/2 LT 12 CON 7 EMILY PT 1 & 2, 57R462 N OF HWY922H EXCEPT PT 1, 57R5843, PT 1, 57R6146; KAWARTHA LAKES						
Indirectly Affected (I)	63253-0180	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	PT W1/2 LT 12 CON 7 EMILY PT 1 & 2, 57R462 N OF HWY922H EXCEPT PT 1, 57R5843, PT 1, 57R6146; KAWARTHA LAKES						
Indirectly Affected (I)	63253-0177	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	W1/2 LT 12 CON 7 EMILY AS IN A31271 EXCEPT PT 7, 57R5257 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63253-0177	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	W1/2 LT 12 CON 7 EMILY AS IN A31271 EXCEPT PT 7, 57R5257 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63253-0230	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	LT 25 PL 387; KAWARTHA LAKES						
Indirectly Affected (I)	63253-0242	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	PT E1/2 LT 12 CON 7 EMILY PT 1, 57R469 EXCEPT PT 1, 57R4319, PT 1, 57R4353; KAWARTHA LAKES						
Indirectly Affected (I)	63253-0242	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	PT E1/2 LT 12 CON 7 EMILY PT 1, 57R469 EXCEPT PT 1, 57R4319, PT 1, 57R4353; KAWARTHA LAKES						
Indirectly Affected (I)	63253-0176	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	PT E1/2 LT 12 CON 7 EMILY AS IN R421225; KAWARTHA LAKES						
Indirectly Affected (I)	63253-0176	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	PT E1/2 LT 12 CON 7 EMILY AS IN R421225; KAWARTHA LAKES						
Indirectly Affected (I)	63253-0243	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	PT E1/2 LT 12 CON 7 EMILY PT 2, 57R5883; KAWARTHA LAKES						

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63253 0175			CUTTING EDGE LANDSCAPE SUPPLY INC	95 CENTRELINE RD		Omemee	ON	K0L 2W0	580 SHAMROCK RD OMEMEE-PT E1/2 LT 12 CON 7 EMILY PT 1, 57R5883; KAWARTHA LAKES	WESTONE AGGREGATES INC.	282 Esker Rd		Omemee	ON	K0L 2W0
Indirectly Affected (I)	63252-0705	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 7 EMILY PT 1 & 2, 57R11025 ; KAWARTHA LAKES	[redacted]	[redacted]	[redacted]	Omemee	ON	K0L 2W0
Indirectly Affected (I)	63252-0705	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 7 EMILY PT 1 & 2, 57R11025 ; KAWARTHA LAKES	[redacted]	[redacted]	[redacted]	Omemee	ON	K0L 2W0
Indirectly Affected (I)	63252-0756	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	PT LT 13 CON 8 EMILY PT 1, 57R805 & PT 1, 57R1555 CITY OF KAWARTHA LAKES	FIRST NATIONAL FINANCIAL GP CORPORATION	16 York Street, Suite 1900		Toronto	ON	M5J 0E6
Indirectly Affected (I)	63252-0755			2095217 ONTARIO LIMITED	214 CENTERLINE ROAD	RR # 5	Lindsay	ON	K9V 4R5	214 CENTRELINE RD KAWARTHA LAKES PT LT 13 CON 8 EMILY; PT RDAL BTN LT 12 AND LT 13 CON 8 EMILY CLOSED BY R127585 AS IN R447412; S/T RIGHT IN R128517; KAWARTHA LAKES	THE CORPORATION OF THE COUNTY OF VICTORIA City of Kawartha Lakes City Hall-Right to grade as required.	26 Francis Street		Lindsay	ON	K9V 5R8
Indirectly Affected (I)	63253-0148			THE MUNICIPAL CORPORATION OF THE TOWNSHIP OF EMILY -City of KAWARTHA LAKES	26 Francis Street		Lindsay	ON	K9V 5R8							
Indirectly Affected (I)	63252-0754	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	PT LT 13 CON 8 EMILY; PT RDAL BTN LT 12 AND LT 13 CON 8 EMILY CLOSED BY R127585; PT 1, 57R651 & PT 1, 57R2448; KAWARTHA LAKES						
Indirectly Affected (I)	63252-0754	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	PT LT 13 CON 8 EMILY; PT RDAL BTN LT 12 AND LT 13 CON 8 EMILY CLOSED BY R127585; PT 1, 57R651 & PT 1, 57R2448; KAWARTHA LAKES						
Indirectly Affected (I)	63252-0753	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	PT LT 13 CON 8 EMILY PT 1, 57R1000 & PT 1, 57R1460 CITY OF KAWARTHA LAKES	[redacted]	[redacted]		Toronto	ON	M3C 3G8
Indirectly Affected (I)	63252-0753	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	PT LT 13 CON 8 EMILY PT 1, 57R1000 & PT 1, 57R1460 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63253-0147	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	N1/2 LT 12 CON 8 EMILY EXCEPT PT 18, 57R5257; KAWARTHA LAKES						
Indirectly Affected (I)	63252-0752	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	PT LT 13 CON 8 EMILY AS IN A63597 EXCEPT PT 1, 57R3997; KAWARTHA LAKES						
Indirectly Affected (I)	63252-0752	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	PT LT 13 CON 8 EMILY AS IN A63597 EXCEPT PT 1, 57R3997; KAWARTHA LAKES						
Indirectly Affected (I)	63252 0751	[redacted]	[redacted]		[redacted]	RR # 5	Lindsay	ON	K9V 4R5	PT LT 13 CON 8 EMILY AS IN R442216; S/T INTEREST IN R423637; KAWARTHA LAKES	COMPANY OF CANADA Address for Service c/o FIRST NATIONAL FINANCIAL LP Inst. No. KL191666	1900, 16 York Street		TORONTO	ON	M5J 0E6
Indirectly Affected (I)	63252 0491			THE CORPORATION OF THE COUNTY OF VICTORIA City of Kawartha Lakes City Hall	26 Francis Street		Lindsay	ON	K9V 5R8	RDAL BTN CON 8 AND CON 9 EMILY ABUTTING LT 13 TO LT 23; PT LT 13 CON 8 EMILY PT 19, 57R5257; BEING TRACEY'S HILL RD; KAWARTHA LAKES						
Indirectly Affected (I)	63253-0122			THE CORPORATION OF THE COUNTY OF VICTORIA City of Kawartha Lakes City Hall	26 Francis Street		Lindsay	ON	K9V 5R8	RDAL BTN CON 8 AND CON 9 EMILY AKA TRACEY'S HILL RD BTN COUNTY RD #7 & COUNTY RD #10; KAWARTHA LAKES						
Indirectly Affected (I)	63252-0506	[redacted]	[redacted]		[redacted]	RR # 5	Lindsay	ON	K9V 4R5	PT S1/2 LT 13 CON 9 EMILY AS IN VT100230 & R129573 EXCEPT PT 21, 57R5257; KAWARTHA LAKES						
Indirectly Affected (I)	63252-0506	[redacted]	[redacted]		[redacted]	RR # 5	Lindsay	ON	K9V 4R5	PT S1/2 LT 13 CON 9 EMILY AS IN VT100230 & R129573 EXCEPT PT 21, 57R5257; KAWARTHA LAKES						
Indirectly Affected (I)	63252-0507	[redacted]	[redacted]		[redacted]	RR # 5	Lindsay	ON	K9V 4R5	PT S1/2 LT 13 CON 9 EMILY AS IN VT95671 EXCEPT PT 22, 57R5257; KAWARTHA LAKES	KAWARTHA CREDIT UNION LIMITED Inst. No.KL140753	14 Hunter Street East	P. O. Box 116	Peterborough	ON	K9J 6Y5
Indirectly Affected (I)	63252-0507	[redacted]	[redacted]		[redacted]	RR # 5	Lindsay	ON	K9V 4R5	PT S1/2 LT 13 CON 9 EMILY AS IN VT95671 EXCEPT PT 22, 57R5257; KAWARTHA LAKES	KAWARTHA CREDIT UNION LIMITED Inst. No.KL140753	14 Hunter Street East	P. O. Box 116	Peterborough	ON	K9J 6Y5

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63253 0098	[redacted]	[redacted]		[redacted]	RR # 5	Lindsay	ON	K9V 4R5	S1/2 LT 12 CON 9 EMILY EXCEPT PT 1, 2 & 3, 57R1841, PT 1, 2 & 3, 57R1838, PT 1, 57R4533; KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE Inst. No KL131222	PO Box 115 Commerce Court Postal Stn		Toronto	ON	M5L 1E5
Indirectly Affected (I)	63253 0098	[redacted]	[redacted]		[redacted]	RR # 5	Lindsay	ON	K9V 4R5	S1/2 LT 12 CON 9 EMILY EXCEPT PT 1, 2 & 3, 57R1841, PT 1, 2 & 3, 57R1838, PT 1, 57R4533; KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE Inst. No KL131222	PO Box 115 Commerce Court Postal Stn		Toronto	ON	M5L 1E5
Indirectly Affected (I)	63253 0095			City of KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	PT S1/2 LT 12 CON 9 EMILY AS IN VT98755; CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63253-0094	[redacted]	[redacted]		[redacted]		KAWARTHA LAKES	ON	K9V 4R5	PT N1/2 LT 12 CON 9 EMILY AS IN R437663; CITY OF KAWARTHA LAKES	ROYAL BANK OF CANADA Inst. No KL51215	180 Wellington Street West 1st Floor		Toronto	ON	M5J 1J1
Indirectly Affected (I)	63253-0094	[redacted]	[redacted]		[redacted]		KAWARTHA LAKES	ON	K9V 4R5	PT N1/2 LT 12 CON 9 EMILY AS IN R437663; CITY OF KAWARTHA LAKES	ROYAL BANK OF CANADA Inst. No KL51215	180 Wellington Street West 1st Floor		Toronto	ON	M5J 1J1
Indirectly Affected (I)	63252 0504	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	N1/2 LT 13 CON 9 EMILY EXCEPT PT 1 & 2, 57R1952, PT 2, 57R676 & PT 1, 57R3660; KAWARTHA LAKES	HAVENTREE BANK Inst no. KL176467	P.O Box 1160, Stn TD		Toronto	ON	M5K 1P2
Indirectly Affected (I)	63252 0504	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	N1/2 LT 13 CON 9 EMILY EXCEPT PT 1 & 2, 57R1952, PT 2, 57R676 & PT 1, 57R3660; KAWARTHA LAKES	CANADIAN WESTERN TRUST COMPANY Inst No. KL170411 (INCORPORATION NO. A46845) (In trust for RRSP 10134007)	Suite 300-750 Cambie Street VANCOVER		Vancover	BC	V6B 0A2
Indirectly Affected (I)	63253 0093	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT N1/2 LT 12 CON 9 EMILY PT 1, 57R676 EXCEPT PT 23, 57R5257; KAWARTHA LAKES	HAVENTREE BANK Inst no. KL176467	P.O Box 1160, Stn TD		Toronto	ON	M5K 1P2
Indirectly Affected (I)	63253 0093	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT N1/2 LT 12 CON 9 EMILY PT 1, 57R676 EXCEPT PT 23, 57R5257; KAWARTHA LAKES	HAVENTREE BANK Inst no. KL176467	P.O Box 1160, Stn TD		Toronto	ON	M5K 1P2
Indirectly Affected (I)	63252 0490			City of KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	RDAL BTN CON 9 AND CON 10 EMILY ABUTTING LT 13 TO LT 23; KAWARTHA LAKES						
Indirectly Affected (I)	63253 0087	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	S1/2 LT 12 CON 10 EMILY EXCEPT R328720, PT 4 & 5, 57R1841, PT 1, 57R2861, PT 24, 57R5257 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63253 0087	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	S1/2 LT 12 CON 10 EMILY EXCEPT R328720, PT 4 & 5, 57R1841, PT 1, 57R2861, PT 24, 57R5257 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63253 0086	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	PT S1/2 LT 12 CON 10 EMILY PT 5, 57R1841; KAWARTHA LAKES	ROYAL BANK OF CANADA Inst No.KL197868	10 York Mills Rd-3rd Floor		Toronro	ON	M2P 0A2
Indirectly Affected (I)	63253 0086	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	PT S1/2 LT 12 CON 10 EMILY PT 5, 57R1841; KAWARTHA LAKES						
Indirectly Affected (I)	63252 0264	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	PT S1/2 LT 13 CON 10 EMILY AS IN A14133 (FIRSTLY) EXCEPT PT 7 & 8, 57R4286 AND A21525; CITY OF KAWARTHA LAKES	Toronto Dominion Bank Inst. No. KL175116	4720 Tahoe Boulevard, 5th Floor		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63252 - 0263	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	PT S1/2 LT 13 CON 10 EMILY AS IN R14133 (SECONDLY) EXCEPT A21525 CITY OF KAWARTHA LAKES	THE BANK OF NOVA SCOTIA	10 Wright Blvd		Stratford	ON	N4Z 1H3
Indirectly Affected (I)	63252 - 0263	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	PT S1/2 LT 13 CON 10 EMILY AS IN R14133 (SECONDLY) EXCEPT A21525 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63252-0262	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	PT S1/2 LT 13 CON 10 EMILY PT 1, 57R714; CITY OF KAWARTHA LAKES	Toronto Dominion Bank Inst. No. KL74569	4720 Tahoe Boulevard, 5th Floor		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63252-0262	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 13 CON 10 EMILY PT 1, 57R714; CITY OF KAWARTHA LAKES	Toronto Dominion Bank Inst. No. KL74569	4720 Tahoe Boulevard, 5th Floor		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63252 0261	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 13 CON 10 EMILY AS IN A14133 (FOURTHLY) EXCEPT A21525 CITY OF KAWARTHA LAKES	Toronto Dominion Bank Inst. No. KL115633	4720 Tahoe Boulevard, 5th Floor		Mississauga	ON	L4W 5P2

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63252 0260	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 13 CON 10 EMILY PT 8, 57R4334 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63252 0260	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 13 CON 10 EMILY PT 8, 57R4334 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63252 0258	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 13 CON 10 EMILY PT 6, 57R4334; KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE Inst. No KL176653	PO Box 115 Commerce Court Postal Stn		Toronto	ON	M5L 1E5
Indirectly Affected (I)	63252 0258	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 13 CON 10 EMILY PT 6, 57R4334; KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE Inst. No KL176653	PO Box 115 Commerce Court Postal Stn		Toronto	ON	M5L 1E5
Indirectly Affected (I)	63252 0257	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 13 CON 10 EMILY PT 5, 57R4334; KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst No. KL136146	165 KENT STREET	P.O. BOX 270	Lindsay	ON	K9V 4S2
Indirectly Affected (I)	63252 0257	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 13 CON 10 EMILY PT 5, 57R4334; KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst No. KL136146	165 KENT STREET	P.O. BOX 270	Lindsay	ON	K9V 4S2
Indirectly Affected (I)	63252 0256	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 13 CON 10 EMILY PT 4, 57R4334; KAWARTHA LAKES	Toronto Dominion Bank Inst. No. KL98907	4720 Tahoe Boulevard, 5th Floor		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63252 0256	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 13 CON 10 EMILY PT 4, 57R4334; KAWARTHA LAKES						
Indirectly Affected (I)	63252 0255	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 13 CON 10 EMILY PT 4, 57R4334; KAWARTHA LAKES	[redacted]	[redacted]		Janetville	ON	L0B 1K0
Indirectly Affected (I)	63252 0254	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 13 CON 10 EMILY PT 2, 57R4334; KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE Inst. No KL145564	PO Box 115 Commerce Court Postal Stn		Toronto	ON	M5L 1E5
Indirectly Affected (I)	63252 0254	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 13 CON 10 EMILY PT 2, 57R4334; KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE Inst. No KL145564	PO Box 115 Commerce Court Postal Stn		Toronto	ON	M5L 1E5
Indirectly Affected (I)	63252 0253	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 13 CON 10 EMILY PT 1, 57R4334; S/T EXECUTION 05-0000049, IF ENFORCEABLE; S/T EXECUTION 05-0000203, IF ENFORCEABLE; KAWARTHA LAKES						
Indirectly Affected (I)	63253 0085			CITY of KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	599 CENTRELINE RD KAWARTHA LAKES-PT N1/2 LT 13 CON 10 EMILY; PT RDAL BTN LT 12 AND LT 13 CON 10 EMILY CLOSED BY R306390, PT 8 & 9, 57R3660; KAWARTHA LAKES						
Indirectly Affected (I)	63250-0186			CITY of KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	RDAL BTN LT 12 AND LT 13 CON 11 EMILY AKA CENTRELINE RD; KAWARTHA LAKES						
Indirectly Affected (I)	63252 0251	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT N1/2 LT 13 CON 10 EMILY AS IN R434227; CITY OF KAWARTHA LAKES	1601673 ONTARIO INC	121 George St. N.	P.O. Box 1387	Peterborough	ON	K9J 7H6
Indirectly Affected (I)	63250 0190	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 13 CON 11 EMILY AS IN R230874; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0190	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 13 CON 11 EMILY AS IN R230874; KAWARTHA LAKES						
Indirectly Affected (I)	63252 0252	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT N1/2 LT 13 CON 10 EMILY PT 2, 57R3572; S/T EXECUTION 06-0000418, IF ENFORCEABLE; S/T EXECUTION 08-0000055, IF ENFORCEABLE; KAWARTHA LAKES	HOME EQUITY MORTGAGE CORPORATION Inst. No KL179112	1881 Yonge Street, 3rd Floor		TORONTO	ON	M4S 3C4
Indirectly Affected (I)	63252 0267			2686106 ONTARIO LIMITED	1448 PIGEON LAKE RD		Lindsay	ON	K9V 4R5	PT W1/2 LT 14 CON 10 EMILY AS IN R390944 CITY OF KAWARTHA LAKES	THE TORONTO-DOMINION BANK, Creekside Banking Services Inst. No. KL189993	4720 Tahoe Boulevard, 4th Floor		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63252 0267			2686106 ONTARIO LIMITED	1448 PIGEON LAKE RD		Lindsay	ON	K9V 4R5	PT W1/2 LT 14 CON 10 EMILY AS IN R390944 CITY OF KAWARTHA LAKES	READY CAPITAL MORTGAGE HOLDINGS LTD	4491 Highway 7		Unionville	ON	L3R 1M1

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63250 0195	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 14 CON 11 EMILY PT 1 57R1453; S/T EXECUTION 03-0000373, IF ENFORCEABLE; KAWARTHA LAKES	The BANK OF MONTREAL C/O First Canadian Title Company Limited Inst. No. KL152412	Suite 901, 4 Hughson Street south		Hamilton	ON	L8N 3Z1
Indirectly Affected (I)	63250 0195	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 14 CON 11 EMILY PT 1 57R1453; S/T EXECUTION 03-0000373, IF ENFORCEABLE; KAWARTHA LAKES	The BANK OF MONTREAL C/O First Canadian Title Company Limited Inst. No. KL152412	Suite 901, 4 Hughson Street south		Hamilton	ON	L8N 3Z1
Indirectly Affected (I)	63252 0268	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	E1/2 LT 14 CON 10 EMILY EXCEPT PT 2, 57R3063; CITY OF KAWARTHA LAKES	KAWARTHA CREDIT UNION LIMITED Inst. No. KL196253	14 Hunter Street East, P.O. Box 116		Peterborough	ON	K9J 6Y5
Indirectly Affected (I)	63252 0268	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	E1/2 LT 14 CON 10 EMILY EXCEPT PT 2, 57R3063; CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63250 0194	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 14 CON 11 EMILY AS IN R250216 EXCEPT PT 1 57R5824 CITY OF KAWARTHA LAKES	THE TORONTO DOMINION BANK Inst no. KL73085 AND Inst. No. KL113121	4720 Tahoe Boulevard, 5th Floor		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63250 0196	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 14 CON 11 EMILY PT 1 57R5824; KAWARTHA LAKES	NATIONAL BANK OF CANADA Inst. No. KL23410	421 George Street North		Peterborough	ON	K9H 3R4
Indirectly Affected (I)	63250 0259	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	S 1/2 LT 15 CON 11 EMILY; EXCEPT VT75211; EXCEPT PT 1 57R4947; PT N 1/2 LT 15 CON 11 EMILY AS IN R248026 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63252 0269	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	N1/2 LT 15 CON 10 EMILY EXCEPT PT 2, 57R4947 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63250 0258	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S 1/2 LT 15 CON 11 EMILY AS IN VT75211 CITY OF KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst No. KL129455	165 KENT STREET	P.O. BOX 270	Lindsay	ON	K9V 4S2
Indirectly Affected (I)	63250 0258	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S 1/2 LT 15 CON 11 EMILY AS IN VT75211 CITY OF KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst No. KL129455	165 KENT STREET	P.O. BOX 270	Lindsay	ON	K9V 4S2
Indirectly Affected (I)	63252 0272	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	N1/2 LT 16 CON 10 EMILY AS IN R206765 EXCEPT PT 3, 57R4947; KAWARTHA LAKES	FARM CREDIT CANADA Inst. No. KL170275	1133 St. George Boulevard, Suite 200		Moncton	New Brunswick	E1E 4E1
Indirectly Affected (I)	63250 0203	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	N1/2 LT 17 CON 11 EMILY; PT S1/2 LT 17 CON 11 EMILY AS IN R285079; KAWARTHA LAKES	Toronto Dominion Bank C/O First Canadian Title Inst. No. R428948	Suite 901, 4 Hughson Street South		Hamilton	ON	L8N 3Z1
Indirectly Affected (I)	63252-0277	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	N1/2 LT 17 CON 10 EMILY EXCEPT PT 1, 57R3063; KAWARTHA LAKES	The ROYAL BANK OF CANADA Inst. No. R421831	180 Wellington Street West		TORONTO	ON	M5J 1J1
Indirectly Affected (I)	63252-0277	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	N1/2 LT 17 CON 10 EMILY EXCEPT PT 1, 57R3063; KAWARTHA LAKES	The ROYAL BANK OF CANADA Inst. No. R421831	180 Wellington Street West		TORONTO	ON	M5J 1J1
Indirectly Affected (I)	63252-0277	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	N1/2 LT 17 CON 10 EMILY EXCEPT PT 1, 57R3063; KAWARTHA LAKES	The ROYAL BANK OF CANADA Inst. No. R421831	180 Wellington Street West		TORONTO	ON	M5J 1J1
Indirectly Affected (I)	63252 0278	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT N1/2 LT 18 CON 10 EMILY AS IN R294567 CITY OF KAWARTHA LAKES	[redacted]	[redacted]		Omemee	ON	K0L 2W0
Indirectly Affected (I)	63252 0279	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT N1/2 LT 18 CON 10 EMILY PT 1, 57R820 SUBJECT TO AN EASEMENT IN GROSS OVER PART 1 PL 57R9922 AS IN KL49556 CITY OF KAWARTHA LAKES	HYDRO ONE NETWORKS INC. Inst. No KL49556	185 Clegg Road		MARKHAM	ON	L6G 1B7
Indirectly Affected (I)	63252 0279	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT N1/2 LT 18 CON 10 EMILY PT 1, 57R820 SUBJECT TO AN EASEMENT IN GROSS OVER PART 1 PL 57R9922 AS IN KL49556 CITY OF KAWARTHA LAKES	Toronto Dominion Bank Inst. No. KL119720	4720 Tahoe Boulevard,		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63250 0209	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 18 CON 11 EMILY AS IN R438735 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63250-0251			CITY of KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	RDAL BTN LT 18 AND LT 19 CON 11 EMILY LYING S OF ELY EXTENSION OF SE LIMIT OF HWY272; KAWARTHA LAKES						

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63250-0211	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	PT W1/2 LT 19 CON 11 EMILY AS IN R207893; KAWARTHA LAKES	Toronto Dominion Bank Inst. No.R461853	Suite 901, 4 Hughson Street South		Hamilton	ON	L8N 3Z1
Indirectly Affected (I)	63250-0211	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	PT W1/2 LT 19 CON 11 EMILY AS IN R207893; KAWARTHA LAKES	Toronto Dominion Bank Inst. No.R461853	Suite 901, 4 Hughson Street South		Hamilton	ON	L8N 3Z1
Indirectly Affected (I)	63250 0206	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	PT S1/2 LT 18 CON 11 EMILY AS IN A28002 EXCEPT PT 1, 2 57R1174, PT 1, 2 57R260, PT 1 57R1775, PT 5, 6 57R4947, S/T INTEREST IN R299738;; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0206	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	PT S1/2 LT 18 CON 11 EMILY AS IN A28002 EXCEPT PT 1, 2 57R1174, PT 1, 2 57R260, PT 1 57R1775, PT 5, 6 57R4947, S/T INTEREST IN R299738;; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0207	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	PT S1/2 LT 18 CON 11 EMILY PT 1 57R1174 CITY OF KAWARTHA LAKES	BANK OF MONTREAL Mortgage Service Centre Inst. No. KL65377	865 Harrington Court		Burlington	ON	L7N 3P3
Indirectly Affected (I)	63250 0207	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	PT S1/2 LT 18 CON 11 EMILY PT 1 57R1174 CITY OF KAWARTHA LAKES	BANK OF MONTREALInst. No. KL198306	16 WILLIAM STREET		Lindsay	ON	K9V 4S3
Indirectly Affected (I)	63250 0205	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	PT N1/2 LT 18 CON 11 EMILY PT 1 57R758; KAWARTHA LAKES	Toronto Dominion Bank Inst. No. KL127424	4720 Tahoe Boulevard,		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63250 0204	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	N1/2 LT 18 CON 11 EMILY EXCEPT PT 1 57R758, PT 4 57R260; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0204	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	N1/2 LT 18 CON 11 EMILY EXCEPT PT 1 57R758, PT 4 57R260; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0210	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	PT W1/2 LT 19 CON 11 EMILY AS IN R325773; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0210	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 5R8	PT W1/2 LT 19 CON 11 EMILY AS IN R325773; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0213	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	E1/2 LT 19 CON 11 EMILY EXCEPT PT 16 57R4947; KAWARTHA LAKES SUBJECT TO AN EASEMENT IN GROSS OVER ALL AS IN KL137477	KAWARTHA LAND TRUST Isnt. No. KL137477	P.O. Box 2338		Peterborough	ON	K9J 7Y8
Indirectly Affected (I)	63250 0214	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 21 CON 11 EMILY; N1/2 LT 20 CON 11 EMILY EXCEPT PT 1 RD121, PT 1 57R259, PT 1 57R5596 CITY OF KAWARTHA LAKES	HILLMOUNT CAPITAL MORTGAGE HOLDINGS INC.	89 Tycos Drive Suite 208		TORONTO	ON	M6B 1W3
Indirectly Affected (I)	63250 0214	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 21 CON 11 EMILY; N1/2 LT 20 CON 11 EMILY EXCEPT PT 1 RD121, PT 1 57R259, PT 1 57R5596 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63250-0181	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 21 CON 12 EMILY PT 2 57R883 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63250-0181	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 21 CON 12 EMILY PT 2 57R883 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63250-0138	[redacted]			[redacted]		Lindsay	ON	K9V 4R5	W1/2 LT 19 CON 12 EMILY EXCEPT PT 1-3 57R2517 AND PT 14 57R4947; CITY OF KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No. KL184276	10 Wright Blvd		Stratford	ON	N4Z 1H3
Indirectly Affected (I)	63250-0138	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	W1/2 LT 19 CON 12 EMILY EXCEPT PT 1-3 57R2517 AND PT 14 57R4947; CITY OF KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No. KL184276	10 Wright Blvd		Stratford	ON	N4Z 1H3
Indirectly Affected (I)	63250-0137			CITY of KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	RDAL BTN LT 18 AND LT 19 CON 12 EMILY AKA SETTLEMENT RD; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0143	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT E1/2 LT 19 CON 12 EMILY AS IN R315744; KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst No. KL162594	165 KENT STREET	P.O. BOX 270	Lindsay	ON	K9V 4S2

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63250 0143	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT E1/2 LT 19 CON 12 EMILY AS IN R315744; KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst No. KL162594	165 KENT STREET	P.O. BOX 270	Lindsay	ON	K9V 4S2
Indirectly Affected (I)	63250 0254			CITY of KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	PT S1/2 LT 21 CON 12 EMILY BEING A FORCED RD ABUTTING W LIMIT OF 57R883; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0151	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 21 CON 12 EMILY PT 1 57R883 EXCEPT PT 1 57R4531 & PT 3 57R4819 CITY OF KAWARTHA LAKES	CIBC MORTGAGES INC. Inst. No. KL73935	P.O. Box 115, Commerce Court Postal Station		TORONTO	ON	M5L 1E5
Indirectly Affected (I)	63250 0151	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 21 CON 12 EMILY PT 1 57R883 EXCEPT PT 1 57R4531 & PT 3 57R4819 CITY OF KAWARTHA LAKES	CIBC MORTGAGES INC. Inst. No. KL73935	P.O. Box 115, Commerce Court Postal Station		TORONTO	ON	M5L 1E5
Indirectly Affected (I)	63250 0159	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 7 PL 308; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0159	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 7 PL 308; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0158	[redacted]	[redacted]		[redacted]		London	ON	N5Y 1L5	LT 6 PL 308; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0157	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 5 PL 308; KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst No. KL116046	165 KENT STREET	P.O. BOX 270	Lindsay	ON	K9V 4S2
Indirectly Affected (I)	63250 0156	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 4 PL 308; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0155	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 3 PL 308; KAWARTHA LAKES	BANK OF MONTREAL Mortgage Service Centre Inst. No. KL179812	865 Harrington Court		Burlington	ON	L7N 3P3
Indirectly Affected (I)	63250 0154	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 2 PL 308; KAWARTHA LAKES	ROYAL BANK OF CANADA Inst No.KL156205	10 YORK MILLS ROAD, 3RD FLOOR		TORONTO	ON	M2P 0A2
Indirectly Affected (I)	63250 0154	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 2 PL 308; KAWARTHA LAKES	ROYAL BANK OF CANADA Inst No.KL156205	10 YORK MILLS ROAD, 3RD FLOOR		TORONTO	ON	M2P 0A2
Indirectly Affected (I)	63250 0153	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 1 PL 308 CITY OF KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No. KL90877	100 Clarington Blvd.	Hwy 2 @ Clarington	Bowmanville	ON	L1C 4Z3
Indirectly Affected (I)	63250 0150	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT N1/2 LT 21 CON 12 EMILY AS IN R226168; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0150	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT N1/2 LT 21 CON 12 EMILY AS IN R226168; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0183	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	S1/2 LT 21 CON 12 EMILY EXCEPT HWY198, PL 308, R217462, PT 1, 2 57R883 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63250 0183	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	S1/2 LT 21 CON 12 EMILY EXCEPT HWY198, PL 308, R217462, PT 1, 2 57R883 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63250 0180	[redacted]	[redacted]		[redacted]		Norwich		N0J 1P0	PT S1/2 LT 21 CON 12 EMILY AS IN R217462; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0180	[redacted]	[redacted]		[redacted]		Norwich	ON	N0J 1P0	PT S1/2 LT 21 CON 12 EMILY AS IN R217462; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0179	[redacted]	[redacted]		[redacted]		Toronto	ON	M9N 1K6	LT 17 PL 308 S/T R196999, S/T INTEREST IN R117727; KAWARTHA LAKES						

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63250 0179	[redacted]	[redacted]		[redacted]		Toronto	ON	M9N 1K6	LT 17 PL 308 S/T R196999, S/T INTEREST IN R117727; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0179	[redacted]	[redacted]		[redacted]		Toronto	ON	M9N 1K6	LT 17 PL 308 S/T R196999, S/T INTEREST IN R117727; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0179	[redacted]	[redacted]		[redacted]		Toronto	ON	M9N 1K6	LT 17 PL 308 S/T R196999, S/T INTEREST IN R117727; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0179	[redacted]	[redacted]		[redacted]		Toronto	ON	M9N 1K6	LT 17 PL 308 S/T R196999, S/T INTEREST IN R117727; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0178	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 16 PL 308 CITY OF KAWARTHA LAKES	ANTRIM BALANCED MORTGAGE FUND LTD Inst. No. KL188540	9089 Glover Rd	Box 520	Fort Langley,	BC	V1M 2R8
Indirectly Affected (I)	63250 0177	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 15 PL 308; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0176	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 14 PL 308; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0176	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 14 PL 308; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0175	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 13 PL 308; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0174			CITY of KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 4R5	LT C PL 308; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0173	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 12 PL 308; CITY OF KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE inst No. KL73307	540 Laval Dr.		Oshawa	ON	L1J 0B5
Indirectly Affected (I)	63250 0173	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 12 PL 308; CITY OF KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE inst No. KL73307	540 Laval Dr.		Oshawa	ON	L1J 0B5
Indirectly Affected (I)	63250 0172	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 11 PL 308; KAWARTHA LAKES	Toronto Dominion Bank Inst. No. KL102068	4720 Tahoe Boulevard, 5th Floor		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63250 0171	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 10 PL 308 CITY OF KAWARTHA LAKES	ROYAL BANK OF CANADA Inst No.KL177261	10 YORK MILLS ROAD, 3RD FLOOR		TORONTO	ON	M2P 0A2
Indirectly Affected (I)	63250 0171	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 10 PL 308 CITY OF KAWARTHA LAKES	ROYAL BANK OF CANADA Inst No.KL177261	10 YORK MILLS ROAD, 3RD FLOOR		TORONTO	ON	M2P 0A2
Indirectly Affected (I)	63250 0168			CITY of KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	LT B PL 308; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0167	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 7A PL 308; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0166	[redacted]	[redacted]		[redacted]		London	ON	N5Y 1L5	LT 6A PL 308; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0165	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 5A PL 308; KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst No. KL116046	165 KENT STREET	P.O. BOX 270	Lindsay	ON	K9V 4S2
Indirectly Affected (I)	63250 0164	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 4A PL 308; KAWARTHA LAKES	BANK OF MONTREAL Mortgage Service Centre Inst. No. KL16110	865 Harrington Court		Burlington	ON	L7N 3P3

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63250 0163	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 3A PL 308; KAWARTHA LAKES	BANK OF MONTREAL Mortgage Service Centre Inst. No. KL179812	865 Harrington Court		Burlington	ON	L7N 3P3
Indirectly Affected (I)	63250 0162	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 2A PL 308; KAWARTHA LAKES	ROYAL BANK OF CANADA Inst No.KL156205	10 YORK MILLS ROAD, 3RD FLOOR		TORONTO	ON	M2P 0A2
Indirectly Affected (I)	63250 0162	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 2A PL 308; KAWARTHA LAKES	ROYAL BANK OF CANADA Inst No.KL156205	10 YORK MILLS ROAD, 3RD FLOOR		TORONTO	ON	M2P 0A2
Indirectly Affected (I)	63250 0161	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT 1A PL 308 CITY OF KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No. KL90877	100 Clarington Blvd.	Hwy 2 @ Clarington	Bowmanville	ON	L1C 4Z3
Indirectly Affected (I)	63250 0160			CITY of KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	LT A PL 308; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0182	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	LT A PL 308; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0120			CITY of KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	RDAL BTN CON 12 AND CON 13 EMILY AKA SUNNYWOOD RD, SHOREVIEW RD, BTN W LIMIT OF COUNTY RD NO. 17 AND SLY EXTENSION OF THE W LIMIT OF RDAL BTN LT 12 AND LT 13 CON 13; KAWARTHA LAKES						
Indirectly Affected (I)	63250 0184			CITY of KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	RDAL BTN CON 12 AND CON 13 EMILY BTN E LIMIT OF COUNTY RD NO. 17 AND RDAL BTN TWP OF ENNISMORE AND TWP OF EMILY; KAWARTHA LAKES						
Indirectly Affected (I)	63250-0094	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 21 CON 13 EMILY; PT LT 22 CON 13 EMILY AS IN VT98729 EXCEPT PT 8 57R4819; CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63250-0094	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 21 CON 13 EMILY; PT LT 22 CON 13 EMILY AS IN VT98729 EXCEPT PT 8 57R4819; CITY OF KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE Inst. No. KL189124	PO Box 115, Commerce Court Postal Station		TORONTO	ON	M5L 1E5
Indirectly Affected (I)	63250 0272			2594441 ONTARIO INC.	2502 Pigeon Lake Road		Lindsay	ON	K9V 4R5	2218 PIGEON LAKE RD PT N1/2 LT 21 CON 13 EMILY; PT S1/2 LT 21 CON 13 EMILY; PT LT 22 CON 13 EMILY AS IN R415086, EXCEPT PART 1 ON 57R10777 SUBJECT TO AN EASEMENT IN GROSS OVER PART 1 PLAN 57R10805 AS IN KL162946 CITY OF KAWARTHA LAKES	Subject to an easement in gross in favour of City of Kawartha Lakes Inst. No. KL162946	26 Francis Street		Lindsay	ON	K9V 5R8
Indirectly Affected (I)	63250 0087	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 21 CON 13 EMILY AS IN R418446 CITY OF KAWARTHA LAKES	[redacted]	[redacted]	RR # 1	St. Clements	ON	N0B 2M0
Indirectly Affected (I)	63250 0087	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT S1/2 LT 21 CON 13 EMILY AS IN R418446 CITY OF KAWARTHA LAKES	[redacted]	[redacted]	RR # 1	St. Clements	ON	N0B 2M0
Indirectly Affected (I)	63250 0283			2594441 ONTARIO INC.	2502 Pigeon Lake Road		Bobcaygeon	ON	K0M 1A0	LOT 9, PLAN 57M808 CITY OF KAWARTHA LAKES	KAWARTHA CREDIT UNION LIMITED Inst. No. KL133308	14 Hunter Street East	P.O. Box 116	Peterborough	ON	K9J 6Y5
Indirectly Affected (I)	63250 0085	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT N1/2 LT 21 CON 13 EMILY AS IN R207926 EXCEPT PT 1 57R4986 CITY OF KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No. KL136163	165 KENT STREET	P.O. BOX 270	Lindsay	ON	K9V 4S2
Indirectly Affected (I)	63250 0085	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT N1/2 LT 21 CON 13 EMILY AS IN R207926 EXCEPT PT 1 57R4986 CITY OF KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No. KL136163	165 KENT STREET	P.O. BOX 270	Lindsay	ON	K9V 4S2
Indirectly Affected (I)	63250 0093	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LOT 11, PLAN 57M808 CITY OF KAWARTHA LAKES	Toronto Dominion Bank Inst. No. K107426	4720 Tahoe Boulevard, 5th Floor		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63250 0093	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LOT 11, PLAN 57M808 CITY OF KAWARTHA LAKES	Toronto Dominion Bank Inst. No. K107426	4720 Tahoe Boulevard, 5th Floor		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63250 0284			2594441 ONTARIO INC.	2502 Pigeon Lake Road		Bobcaygeon	ON	K0M 1A0	LOT 11, PLAN 57M808 CITY OF KAWARTHA LAKES	KAWARTHA CREDIT UNION LIMITED Inst. No. KL133308	14 Hunter Street East	P.O. Box 116	Peterborough	ON	K9J 6Y5
Indirectly Affected (I)	63250 0285			2594441 ONTARIO INC.	2502 Pigeon Lake Road		Bobcaygeon	ON	K0M 1A0	LOT 12, PLAN 57M808 CITY OF KAWARTHA LAKES	KAWARTHA CREDIT UNION LIMITED Inst. No. KL133308	14 Hunter Street East	P.O. Box 116	Peterborough	ON	K9J 6Y5

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63250 0286			2594441 ONTARIO INC.	2502 Pigeon Lake Road		Bobcaygeon	ON	K0M 1A0	LOT 13, PLAN 57M808 CITY OF KAWARTHA LAKES	KAWARTHA CREDIT UNION LIMITED Inst. No. KL133308	14 Hunter Street East	P.O. Box 116	Peterborough	ON	K9J 6Y5
Indirectly Affected (I)	63250 0090	[redacted]	[redacted]		[redacted]		GANANOQUE	ON	K7G 1Y4	PT N1/2 LT 21 CON 13 EMILY PT 1 57R1722 EXCEPT PT 4 57R3092; KAWARTHA LAKES						
Indirectly Affected (I)	63142 0315			CITY of KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	Kings Warf Road RDAL BTN CON 13 AND CON 14 EMILY ABUTTING LOTS 7 TO 22; KAWARTHA LAKES						
Indirectly Affected (I)	63142 0332	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT E1/2 LT 22 CON 14 EMILY; PT W1/2 LT 22 CON 14 EMILY PT 1, 57R8486, T/W R430072; KAWARTHA LAKES						
Indirectly Affected (I)	63142 0292	[redacted]	[redacted]		[redacted]	RR # 3	Kirkfield	ON	K0M 2B0	PT LT 21 CON 14 EMILY DESCRIPTION MAY NOT BE ACCEPTABLE IN FUTURE AS IN R345636 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63142 0293	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	PT LT 21 CON 14 EMILY AS IN A46446 EXCEPT PT 11, 57R4819; KAWARTHA LAKES	MERIDIAN CREDIT UNION LIMITED	75 Corporate Park Drive,		St. Catharines	ON	L2S 3W3
Indirectly Affected (I)	63142 0330			1665943 ONTARIO LTD	2300 PIGEON LAKE RD	RR # 2	Bobcaygeon	ON	K0M 1A0	PT E1/2 LT 22 CON 14 EMILY; PT W1/2 LT 22 CON 14 EMILY AS IN R445029, S/T R445029; KAWARTHA LAKES						
Indirectly Affected (I)	63142 0330	[redacted]	[redacted]		[redacted]	RR # 2	Bobcaygeon	ON	K0M 1A0	PT E1/2 LT 22 CON 14 EMILY; PT W1/2 LT 22 CON 14 EMILY AS IN R445029, S/T R445029; KAWARTHA LAKES						
Indirectly Affected (I)	63142 0312	[redacted]	[redacted]		[redacted]	RR # 2	Bobcaygeon	ON	K0M 1A0	PT W1/2 LT 22 CON 14 EMILY DESIGNATED PARTS 1, 2 AND 3 PL 57R9874;; CITY OF KAWARTHA LAKES	Toronto Dominion Bank Inst. No. KL44020 and KL79046	4720 Tahoe Boulevard, 5th Floor		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63142 0312	[redacted]	[redacted]		[redacted]	RR # 2	Bobcaygeon	ON	K0M 1A0	PT W1/2 LT 22 CON 14 EMILY DESIGNATED PARTS 1, 2 AND 3 PL 57R9874;; CITY OF KAWARTHA LAKES	Toronto Dominion Bank Inst. No. KL44020 and KL79046	4720 Tahoe Boulevard, 5th Floor		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63142 0311	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT W1/2 LT 22 CON 14 EMILY AS IN R423164; KAWARTHA LAKES	KAWARTHA CREDIT UNION LIMITED Inst. No. KL104986	14 Hunter Street East	P.O. Box 116	Peterborough	ON	K9J 6Y5
Indirectly Affected (I)	63142 0311	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT W1/2 LT 22 CON 14 EMILY AS IN R423164; KAWARTHA LAKES	[redacted]	[redacted]		Novar	ON	P0A 1R0
Indirectly Affected (I)	63142 0326			PARKBRIDGE LIFESTYLE COMMUNITIES INC.	2346 PIGEON LAKE RD		Bobcaygeon	ON	K0M 1A0	PT E1/2 LT 22 CON 14 EMILY; PT W1/2 LT 22 CON 14 EMILY; PT LT 23 CON 14 EMILY AS IN R183540, T/W R183540, EXCEPT PT 1, 57R4693; S/T R199331; KAWARTHA LAKES	Bell Canada Inst no. R199331	393 UNIVERSITY AVE		TORONTO	ON	M5G 1W9
Indirectly Affected (I)	63142 0310	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT W1/2 LT 22 CON 14 EMILY PARTS 1 & 2, 57R3322, S/T R246451; KAWARTHA LAKES	Toronto Dominion Bank Inst. No. R414871	Suite 901, 4 Hughson Street South		Hamilton	ON	L8N 3Z1
Indirectly Affected (I)	63142 0310	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT W1/2 LT 22 CON 14 EMILY PARTS 1 & 2, 57R3322, S/T R246451; KAWARTHA LAKES	Toronto Dominion Bank Inst. No. R414871	Suite 901, 4 Hughson Street South		Hamilton	ON	L8N 3Z1
Indirectly Affected (I)	63142 0306	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 21 CON 14 EMILY PT 1, 57R5296 CITY OF KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No. KL184939	10 Wright Blvd		Stratford	ON	N4Z 1H3
Indirectly Affected (I)	63142 0674	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT E1/2 LT 1 CON 9 VERULAM AS IN R396512; S/T R201726; KAWARTHA LAKES	Bell Canada Inst No. R201726	393 UNIVERSITY AVE		TORONTO	ON	M5G 1W9
Indirectly Affected (I)	63142 0674	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT E1/2 LT 1 CON 9 VERULAM AS IN R396512; S/T R201726; KAWARTHA LAKES	Bell Canada Inst No. R201726	393 UNIVERSITY AVE		TORONTO	ON	M5G 1W9
Indirectly Affected (I)	63139 0327	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 1 CON 10 VERULAM AS IN R285187 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63139 0327	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 1 CON 10 VERULAM AS IN R285187 CITY OF KAWARTHA LAKES						

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63139 0329	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 1 CON 10 VERULAM AS IN R285189; KAWARTHA LAKES						
Indirectly Affected (I)	63139 0326	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT W1/2 LT 2 CON 10 VERULAM PT 1, 57R3785; KAWARTHA LAKES						
Indirectly Affected (I)	63139 0326	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT W1/2 LT 2 CON 10 VERULAM PT 1, 57R3785; KAWARTHA LAKES						
Indirectly Affected (I)	63142 0671	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 2 CON 9 VERULAM AS IN R346371 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63142 0671	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 2 CON 9 VERULAM AS IN R346371 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63142 0672	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 2 CON 9 VERULAM AS IN R305980; KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No.KL76791 and KL123853	165 KENT STREET	P.O. BOX 270	Lindsay	ON	K9V 4S2
Indirectly Affected (I)	63139 0024			CITY of KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	PCL STREET-1 SEC 57M759; PELLER COURT PL 57M759; KAWARTHA LAKES						
Indirectly Affected (I)	63139 0325	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT E1/2 LT 2 CON 10 VERULAM; PT W1/2 LT 2 CON 10 VERULAM; PT LT 1 CON 19 HARVEY; PT RDAL BTN TWP OF VERULAM AND TWP OF HARVEY CLOSED BY A29172, AS IN R306033; KAWARTHA LAKES	KAWARTHA CREDIT UNION LIMITED Inst. No. KL121381	14 Hunter Street East	P.O. Box 116	Peterborough	ON	K9J 6Y5
Indirectly Affected (I)	63139 0325	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT E1/2 LT 2 CON 10 VERULAM; PT W1/2 LT 2 CON 10 VERULAM; PT LT 1 CON 19 HARVEY; PT RDAL BTN TWP OF VERULAM AND TWP OF HARVEY CLOSED BY A29172, AS IN R306033; KAWARTHA LAKES	KAWARTHA CREDIT UNION LIMITED Inst. No. KL121381	14 Hunter Street East	P.O. Box 116	Peterborough	ON	K9J 6Y5
Indirectly Affected (I)	63142 0664	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT S1/2 LT 3 CON 9 VERULAM AS IN R415444; CITY OF KAWARTHA LAKES	FARM CREDIT CANADA Inst. No. KL54600	1133 St. George Boulevard, Suite 200		Moncton	New Brunswick	E1E 4E1
Indirectly Affected (I)	63142 0664	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT S1/2 LT 3 CON 9 VERULAM AS IN R415444; CITY OF KAWARTHA LAKES	FARM CREDIT CANADA Inst. No. KL54600	1133 St. George Boulevard, Suite 200		Moncton	New Brunswick	E1E 4E1
Indirectly Affected (I)	63139 0322	[redacted]	[redacted]		[redacted]	RR # 5	Lindsay	ON	K9V 4R5	LT 3 CON 10 VERULAM; S/T EXECUTION 09-0000222, IF ENFORCEABLE; KAWARTHA LAKES						
Indirectly Affected (I)	63139 0322	[redacted]	[redacted]		[redacted]	RR # 5	Lindsay	ON	K9V 4R5	LT 3 CON 10 VERULAM; S/T EXECUTION 09-0000222, IF ENFORCEABLE; KAWARTHA LAKES						
Indirectly Affected (I)	63142 0661	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	E1/2 AND SW1/4 LT 4 CON 9 VERULAM EXCEPT PT 1, 57R6495; KAWARTHA LAKES						
Indirectly Affected (I)	63142 0661	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	E1/2 AND SW1/4 LT 4 CON 9 VERULAM EXCEPT PT 1, 57R6495; KAWARTHA LAKES						
Indirectly Affected (I)	63139 0320			VICTORIA PLACE WOODLANDS INC	RR# 1		Bobcaygeon	ON	K0M 1A0	PT BLK B PL 534 AS IN R207574; KAWARTHA LAKES						
Indirectly Affected (I)	63139 0321			CITY OF KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	PT BLK B PL 534 PT 1, 57R2453; KAWARTHA LAKES						
Indirectly Affected (I)	63142 0660	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	SE1/4 LT 5 CON 9 VERULAM; W1/2 AND NE1/4 LT 5 CON 9 VERULAM; NW1/4 LT 4 CON 9 VERULAM CITY OF KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No. KL164604	165 KENT STREET	P.O. BOX 270	Lindsay	ON	K9V 4S2
Indirectly Affected (I)	63139 0318			VICTORIA PLACE WOODLANDS INC	RR# 1		Bobcaygeon	ON	K0M 1A0	BLK A PL 534 EXCEPT PL569; KAWARTHA LAKES						
Indirectly Affected (I)	63139 0319			CITY OF KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	FIRSTLY; RDAL BTN CON 9 AND CON 10 VERULAM; PT LT 2 CON 9 VERULAM PT 2, 57R6564; PT S1/2 LT 3 CON 9 VERULAM PT 1, 57R682; SECONDLY; PT W1/2 LT 4 CON 10 VERULAM; PT W PT LT 5 CON 10 VERULAM PT 2 & 4, 57R1535; BEING COUNTY RD NO 17 BTN LT 1 & RDAL BTN LT 5 & 6 CON 10; KAWARTHA LAKES						

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63139 0317	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT E PT LT 5 CON 10 VERULAM; PT W PT LT 5 CON 10 VERULAM AS IN R253713; KAWARTHA LAKES	[redacted]	[redacted]		Bobcaygeon	ON	K0M 1A0
Indirectly Affected (I)	63139 0317	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT E PT LT 5 CON 10 VERULAM; PT W PT LT 5 CON 10 VERULAM AS IN R253713; KAWARTHA LAKES	[redacted]	[redacted]		Bobcaygeon	ON	K0M 1A0
Indirectly Affected (I)	63138 0079	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 6 CON 10 VERULAM EXCEPT PT 1, 2, 3, 4 & 5, 57R934; PT 5, 7 & 8, 57R1535 & PT 1, 57R3611; KAWARTHA LAKES	BANK OF MONTREAL Mortgage Service Centre Inst. No. KL145962	865 Harrington Court		Burlington	ON	L7N 3P3
Indirectly Affected (I)	63138 0079	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 6 CON 10 VERULAM EXCEPT PT 1, 2, 3, 4 & 5, 57R934; PT 5, 7 & 8, 57R1535 & PT 1, 57R3611; KAWARTHA LAKES	BANK OF MONTREAL Mortgage Service Centre Inst. No. KL145962	865 Harrington Court		Burlington	ON	L7N 3P3
Indirectly Affected (I)	63139 0207	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT E PT LT 5 CON 10 VERULAM AS IN R441727; S/T R113740; KAWARTHA LAKES	COMPUTERSHARE TRUST COMPANY OF CANADA c/o MCAP Service Corporation Inst No. KL167067	PO Box 351, Stn C		Kitchener	ON	N2G 3Y9
Indirectly Affected (I)	63139 0207	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT E PT LT 5 CON 10 VERULAM AS IN R441727; S/T R113740; KAWARTHA LAKES	BANK OF MONTREAL Inst. No. KL196054	75 Bolton Street		Bobcaygeon	ON	K0M 1A0
Indirectly Affected (I)	63138 0052			CITY OF KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	AND TWP OF VERULAM; PT RDAL BTN LT 4 AND LT 5 CON 19 HARVEY; PT LT 6-10 CON 10 VERULAM PT 5, 7 & 8, 57R1535, AS IN A30322, PT 3, 57R4983, AS IN A4550, AS IN R221024 & PT 3 & 4, 57R5266; PT LT 8-9 CON 19 HARVEY PT 3, 57R3313, PT 1, 2, 4 & 7, 57R1003; SECONDLY: PT LT 6 CON 10 VERULAM PT 5, 57R934 LYING S OF RDAL BTN LT						
Indirectly Affected (I)	63138 0162			SUMMERHILL RESORTS LTD.	1133 Yonge Street, Toronto, On M4T 2Y7	2806 PIGEON LAKE RD	Bobcaygeon	ON	K0M 1A0	PT LT 5 CON 19 HARVEY AS IN R219107; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0077	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 6 CON 10 VERULAM PT 1 & 2, 57R934; S/T & T/W R362015; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0077	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 6 CON 10 VERULAM PT 1 & 2, 57R934; S/T & T/W R362015; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0176			SUMMERHILL RESORTS LTD.	1133 Yonge Street, Toronto, On M4T 2Y7	8 GREEN ACRES LANE	Bobcaygeon	ON	K0M 1A0	PT LT 5 CON 19 HARVEY AS IN R339820; S/T R339820; S/T R351124; S/T R230689; KAWARTHA LAKES	BELL CANADA Inst. No R230689	393 UNIVERSITY AVE		TORONTO	ON	M5G 1W9
Indirectly Affected (I)	63138 0200	[redacted]	[redacted]		[redacted]	PO Box 1239	Bobcaygeon	ON	K0M 1A0	LOT 5 CONCESSION 19 HARVEY DESIGNATED AS PARTS 2, 3, 4 & 5, 57R-10601; S/T EASEMENT OVER PARTS 3 & 4, 57R-10601 AS IN R169329 SUBJECT TO AN EASEMENT OVER PART 6, 57R10601 IN FAVOUR OF PART OF LOT 5 CON 19 HARVEY AS IN R318665 AS IN KL135469 SUBJECT TO AN EASEMENT OVER PARTS 4 & 5, 57R10601 IN FAVOUR OF						
Indirectly Affected (I)	63138 0076	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 6 CON 10 VERULAM PT 1, 57R3611; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0076	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 6 CON 10 VERULAM PT 1, 57R3611; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0075	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 7 CON 10 VERULAM AS IN R286464; CITY OF KAWARTHA LAKES	ROYAL BANK OF CANADA Inst No. KL156562	10 YORK MILLS ROAD, 3RD FLOOR		TORONTO	ON	M2P 0A2
Indirectly Affected (I)	63138 0075	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 7 CON 10 VERULAM AS IN R286464; CITY OF KAWARTHA LAKES	ROYAL BANK OF CANADA Inst No. KL156562	10 YORK MILLS ROAD, 3RD FLOOR		TORONTO	ON	M2P 0A2
Indirectly Affected (I)	63138 0179			CITY OF KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	PT LT 5 CON 19 HARVEY PT 3, 57R3427; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0173	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 5 CON 19 HARVEY PT 2, 57R3427; S/T R318273; KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No. R387129	10 Wright Blvd		Stratford	ON	N4Z 1H3
Indirectly Affected (I)	63138 0181	[redacted]	[redacted]		[redacted]	Bloomfield Hills	Michigan U.S.A	ON	48302	PT LT 6 CON 19 HARVEY PT 1, 57R8770; S/T A61019(Quit Claim) ; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0074	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 7 CON 10 VERULAM AS IN A30290 EXCEPT PT 1, 57R1878; KAWARTHA LAKES	Toronto Dominion Bank Inst. No. KL124596	4720 Tahoe Boulevard, Build 1		Mississauga	ON	L4W 5P2

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63138 0074	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 7 CON 10 VERULAM AS IN A30290 EXCEPT PT 1, 57R1878; KAWARTHA LAKES	Toronto Dominion Bank Inst. No. KL124596	4720 Tahoe Boulevard, Build 1		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63138 0192			HER MAJESTY THE QUEEN IN RIGHT OF ONTARIO, REPRESENTED BY THE MINISTER OF PUBLIC WORKS FOR ONTARIO	c/o Infrastructure Ontario Suite 2000_1 Dundas St. West		Toronto	ON	M5G 1Z3	PT LT 7 CON 19 HARVEY; PT LT 1 PL 284 AS IN VT86169; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0070	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 8 CON 10 VERULAM AS IN R294203 CITY OF KAWARTHA LAKES	MANULIFE BANK OF CANADA Inst. No. KL129767	500 King Street North	Delivery Station 500-M-A	Waterloo	ON	N2J 4C6
Indirectly Affected (I)	63138 0070	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 8 CON 10 VERULAM AS IN R294203 CITY OF KAWARTHA LAKES	MANULIFE BANK OF CANADA Inst. No. KL129767	500 King Street North	Delivery Station 500-M-A	Waterloo	ON	N2J 4C6
Indirectly Affected (I)	63138 0197	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 8 CON 10 VERULAM AS IN R368691; EXCEPT PT 1 57R10222; S/T R368691 CITY OF KAWARTHA LAKES	OSHAWA COMMUNITY CREDIT UNION LIMITED Inst. No. KL201119	214 KING STREET EAST		OSHAWA	ON	L1H 1C7
Indirectly Affected (I)	63138 0190	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 7 CON 19 HARVEY; PT LT 1 PL 284 AS IN R377819 EXCEPT EASEMENT THEREIN; KAWARTHA LAKES	Toronto Dominion Bank Inst. No. KL98158	4720 Tahoe Boulevard, Build 1		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63138 0190	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 7 CON 19 HARVEY; PT LT 1 PL 284 AS IN R377819 EXCEPT EASEMENT THEREIN; KAWARTHA LAKES	Toronto Dominion Bank Inst. No. KL98158	4720 Tahoe Boulevard, Build 1		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63138 0161	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 1 PL 284 PT 1, 57R5075 CITY OF KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE Inst. No. KL97274 and Inst. No. KL171388	PO Box 115 Commerce Court Postal Stn		TORONTO	ON	M5L 1E5
Indirectly Affected (I)	63138 0187			CITY OF KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	FIRSTLY: ROW PL 207; FALLS BAY RD PL 521; SECONDLY: PT LT 7 CON 19 HARVEY BEING FORCED RD THROUGH AKA FALLS BAY RD; S/T A26830, A32887, R169907, R169908, R175815, R236736, R241517, R267057, R305249, R308821, R378896, R389827, R408964, R413168, R444301, R452913, R463319, R469655; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0068	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 8 CON 10 VERULAM AS IN R418627 CITY OF KAWARTHA LAKES	Toronto Dominion Bank Inst. No. KL164113	4720 Tahoe Boulevard, Build 1		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63138 0068	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 8 CON 10 VERULAM AS IN R418627 CITY OF KAWARTHA LAKES	Toronto Dominion Bank Inst. No. KL164113	4720 Tahoe Boulevard, Build 1		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63138 0142	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 15-16 PL 284 EXCEPT PT 1 & 2, 57R3607; PT LT 7 CON 19 HARVEY PT 1, 57R4007; KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No. KL129848	10 Wright Blvd		Stratford	ON	N4Z 1H3
Indirectly Affected (I)	63138 0142	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 15-16 PL 284 EXCEPT PT 1 & 2, 57R3607; PT LT 7 CON 19 HARVEY PT 1, 57R4007; KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No. KL129848	10 Wright Blvd		Stratford	ON	N4Z 1H3
Indirectly Affected (I)	63138 0141	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 15-16 PL 284 EXCEPT PT 1 & 2, 57R3607; PT LT 7 CON 19 HARVEY PT 1, 57R4007; KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE Inst. No.KL170213	PO Box 115 Commerce Court Postal Stn		TORONTO	ON	M5L 1E5
Indirectly Affected (I)	63138 0188			GRAPE LIMITED	3010 PIGEON LAKE RD	460 Jane Avenue, Oshawa, Ontario L1J 3L4	Bobcaygeon	ON	K0M 1A0	PT LT 7-8 CON 19 HARVEY PT 1, 57R1578 EXCEPT PT 1, 2 & 4, 57R3893, PT 1, 57R4007 CITY OF KAWARTHA LAKES	The Bank of Montreal Toronto Mortgage Service Centre Inst. No R311134	B-2 level First Canadian Place,		TORONTO	ON	M5X 1A1
Indirectly Affected (I)	63138 0104	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 8 CON 19 HARVEY AS IN R311133; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0104	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 8 CON 19 HARVEY AS IN R311133; KAWARTHA LAKES	THE BANK OF NOVA SCOTIA	10 Wright Blvd		STRATFORD	ON	N4Z 1H3
Indirectly Affected (I)	63138 0067	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 8 CON 10 VERULAM PT 2, 57R4983; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0067	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 8 CON 10 VERULAM PT 2, 57R4983; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0066	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 8 CON 10 VERULAM PT 1, 57R4983; KAWARTHA LAKES						

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63138 0055	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 10 CON 10 VERULAM PT 2, 57R5266; KAWARTHA LAKES	The Bank of Montreal Inst No.R427951	75 Bolton Street		Bobcaygeon	ON	K0M 1A0
Indirectly Affected (I)	63138 0055	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 10 CON 10 VERULAM PT 2, 57R5266; KAWARTHA LAKES	The Bank of Montreal Inst No.R427951	75 Bolton Street		Bobcaygeon	ON	K0M 1A0
Indirectly Affected (I)	63138 0103	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 8 CON 19 HARVEY AS IN R450125; S/T & T/W R450125; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0103	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 8 CON 19 HARVEY AS IN R450125; S/T & T/W R450125; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0100	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 9 CON 19 HARVEY AS IN R122176 EXCEPT PT 1, 57R3014; S/T R122176 & R227183; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0100	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 9 CON 19 HARVEY AS IN R122176 EXCEPT PT 1, 57R3014; S/T R122176 & R227183; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0056	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 10 CON 10 VERULAM PT 1, 57R5266 CITY OF KAWARTHA LAKES	BANK OF MONTREAL Mortgage Service Centre Inst. No. KL102447	865 Harrington Court		Burlington	ON	L7N 3P3
Indirectly Affected (I)	63138 0056	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 10 CON 10 VERULAM PT 1, 57R5266 CITY OF KAWARTHA LAKES	BANK OF MONTREAL Mortgage Service Centre Inst. No. KL102447	865 Harrington Court		Burlington	ON	L7N 3P3
Indirectly Affected (I)	63138 0057	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 10 CON 10 VERULAM AS IN VT89522; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0057	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 10 CON 10 VERULAM AS IN VT89522; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0060	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 10 CON 10 VERULAM AS IN R227651 & R207656 & PT 1, 57R4928; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0059	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 10 CON 10 VERULAM AS IN R227652 EXCEPT PT 1, 57R4928; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0059	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 10 CON 10 VERULAM AS IN R227652 EXCEPT PT 1, 57R4928; KAWARTHA LAKES	ROYAL BANK OF CANADA Inst. No. KL197602	10 York Mills Road		TORONTO	ON	M2P 0A2
Indirectly Affected (I)	63137 0081			CITY OF KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	FIRSTLY PT LT 10 CON 10 VERULAM; PT LT 11-14 CON 10 VERULAM; PT LT 10 CON 19 HARVEY; PT BED OF LITTLE BOB CHANNEL IN FRONT OF LT 14 CON 10 VERULAM; PT RDAL BTN CON 9 AND CON 10 VERULAM; PT RDAL BTN LT 10 AND LT 11 CON 10 VERULAM; PT LT 3, 55-56, 4-10 RCP 564; PT LT 12, 11 CON 19 HARVEY; PT RDAL BTN TWP OF HARVEY AND TWP OF VERULAM AS IN HWY183, PT 1, R221024 & PT 1, R378237 BTN N LIMIT OF LITTLE BOB CHANNEL & RDAL BTN CON 9 & 10 EXCEPT PT 1, 2 & 5, 57R233; SECONDLY PT LT 12 CON 19 HARVEY; PT 3, 57R8250 BEING KING'S HIGHWAY 36; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0101	[redacted]	[redacted]		[redacted]		Bowmanville	ON	L1C 1W4	N 1/2 LT 9 CON 19 HARVEY EXCEPT PT 1, 2, 4, 5, 6 & 7, 57R1003, PT 1, 57R8555, PT 2, 57R8555, R122176, R452255, R437001, R356150, R437001, PT 1, 57R2137, PT 1, 57R7880, R419106, R367528, R394610, R428968, R222478, R346505 & R446747; S/T R446747, R222478, R428968, R394610, R367528, R419106, R349142; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0101	[redacted]	[redacted]		[redacted]		Bowmanville	ON	L1C 1W4	N 1/2 LT 9 CON 19 HARVEY EXCEPT PT 1, 2, 4, 5, 6 & 7, 57R1003, PT 1, 57R8555, PT 2, 57R8555, R122176, R452255, R437001, R356150, R437001, PT 1, 57R2137, PT 1, 57R7880, R419106, R367528, R394610, R428968, R222478, R346505 & R446747; S/T R446747, R222478, R428968, R394610, R367528, R419106, R349142; KAWARTHA LAKES						
Indirectly Affected (I)	63138 0080	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 9 CON 19 HARVEY PT 1, 57R8555; KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No. KL132065	165 KENT STREET	P.O. BOX 270	Lindsay	ON	K9V 4S2
Indirectly Affected (I)	63138 0080	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 9 CON 19 HARVEY PT 1, 57R8555; KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No. KL132065	165 KENT STREET	P.O. BOX 270	Lindsay	ON	K9V 4S2
Indirectly Affected (I)	63138 0082	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 9 CON 19 HARVEY PT 5, 57R1003; T/W R194889; KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No.KL177074	165 KENT STREET	P.O. BOX 270	Lindsay	ON	K9V 4S2

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63138 0082	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 9 CON 19 HARVEY PT 5, 57R1003; T/W R194889; KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No.KL177074	165 KENT STREET	P.O. BOX 270	Lindsay	ON	K9V 4S2
Indirectly Affected (I)	63137 0184	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 11 CON 10 VERULAM AS IN R126983 S & W OF PT 2, 57R233; KAWARTHA LAKES						
Indirectly Affected (I)	63137 0184	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 11 CON 10 VERULAM AS IN R126983 S & W OF PT 2, 57R233; KAWARTHA LAKES						
Indirectly Affected (I)	63137 0183	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 11 CON 10 VERULAM PT 2, 57R233; KAWARTHA LAKES	The Bank of Montreal Inst No.R444103	75 Bolton Street		Bobcaygeon	ON	K0M 1A0
Indirectly Affected (I)	63137 0085			MINERAL ROAD PROPERTIES INC.	3284 COUNTY RD 36		Bobcaygeon	ON	K0M 1A0	PT LT 10 CON 19 HARVEY AS IN R373556 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63137 0084	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 10 CON 19 HARVEY AS IN R449926; KAWARTHA LAKES						
Indirectly Affected (I)	63137 0084	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 10 CON 19 HARVEY AS IN R449926; KAWARTHA LAKES						
Indirectly Affected (I)	63137 0084	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 10 CON 19 HARVEY AS IN R449926; KAWARTHA LAKES						
Indirectly Affected (I)	63137 0083	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 10 CON 19 HARVEY AS IN R326670; KAWARTHA LAKES						
Indirectly Affected (I)	63137 0082	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 10 CON 19 HARVEY AS IN R363028 CITY OF KAWARTHA LAKES	ROYAL BANK OF CANADA Inst. No. KL175031	Montreal Business Service Centre 7101 Park Avenue, 5th Floor		Montreal,	QC	H3N 1X9
Indirectly Affected (I)	63137 0082	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 10 CON 19 HARVEY AS IN R363028 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63137 0079	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 11 CON 10 VERULAM AS IN R126983 & PT 1, 57R3947 EXCEPT PT 1, 57R7808, PT 1, 57R6214 & PT 1, 2 & 5, 57R233; KAWARTHA LAKES	SUNEDISON CANADA ORIGINATION HEALTH LP	595 Adelaide St East, Suite 400		TORONTO	ON	M5A 1N8
Indirectly Affected (I)	63137 0077	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 11 CON 10 VERULAM AS IN R399044; CITY OF KAWARTHA LAKES	SCOTIA MORTGAGE CORPORATION Inst No. KL150127	111 Hunter Street		Peterborough	ON	K9H 7G5
Indirectly Affected (I)	63137 0077	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 11 CON 10 VERULAM AS IN R399044; CITY OF KAWARTHA LAKES	SCOTIA MORTGAGE CORPORATION Inst No. KL150127	111 Hunter Street		Peterborough	ON	K9H 7G5
Indirectly Affected (I)	63137 0078			DEVITT HOLDINGS INC.	3301 COUNTY RD 36		Bobcaygeon	ON	K0M 1A0	PT LT 11 CON 10 VERULAM PT 1, 57R6214; KAWARTHA LAKES						
Indirectly Affected (I)	63137 0072	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 12 CON 10 VERULAM AS IN R435256; KAWARTHA LAKES						
Indirectly Affected (I)	63137 0072	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 12 CON 10 VERULAM AS IN R435256; KAWARTHA LAKES						
Indirectly Affected (I)	63137 0127			2203906 ONTARIO INC. & KAWARTHA DAIRY LIMITED	3312 COUNTY RD 36		Bobcaygeon	ON	K0M 1A0	PT LT 11 CON 19 HARVEY AS IN R319689; CITY OF KAWARTHA LAKES	BANK OF MONTREAL Inst. No. KL197681	865 Harrington Court		Burlington	ON	L7N 3P3
Indirectly Affected (I)	63137 0128			KAWARTHA DAIRY LIMITED	3332 COUNTY RD 36		Bobcaygeon	ON	K0M 1A0	PT LT 11, 10 CON 19 HARVEY AS IN R288552 & PT 3, 57R6469 CITY OF KAWARTHA LAKES	BANK OF MONTREAL Inst. No. KL121520	201 Front Street, 3rd Floor,		Belleville	ON	K9N 5A4
Indirectly Affected (I)	63137 0129			2203906 ONTARIO INC. & KAWARTHA DAIRY LIMITED	3346 COUNTY ROAD 36		Bobcaygeon	ON	K0M 1A0	PT LT 11 CON 19 HARVEY PT 2, 57R7000 CITY OF KAWARTHA LAKES	BANK OF MONTREAL Inst. No. KL197684	865 Harrington Court		Burlington	ON	L7N 3P3

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63137 0131			534574 ONTARIO LIMITED	3362 COUNTY RD 36	PO BOX 904 Bobcaygeon ON K0M 1A0	Bobcaygeon	ON	K0M 1A0	PT LT 11 CON 19 HARVEY AS IN R418914; KAWARTHA LAKES						
Indirectly Affected (I)	63137 0139			2780876 ONTARIO INC.	556 5th Line Dummer,		Douro-Dummer	ON	K0L 3A0	3376 COUNTY RD 36 BOBCAYGEON ON K0M 1A0 PT LT 12 CON 19 HARVEY PT 3, 57R5353; T/W R309810; KAWARTHA LAKES	ROYAL BANK OF CAN MTL SD BSC Management. Inst. No. KL171017	7101 Av du Parc 5th Floor,		Montreal	QC	H3N 1X9
Indirectly Affected (I)	63137 0137			1587360 ONTARIO LTD.	3396 County Road 36		Bobcaygeon	ON	K0M 1A0	PT LT 12 CON 19 HARVEY PT 1, 57R9049 & PT 2, 57R8250; S/T R428894; KAWARTHA LAKES						
Indirectly Affected (I)	63137 0140			917918 ONTARIO LIMITED	3380 County Rd 36		Bobcaygeon	ON	K0M 1A0	PT LT 12 CON 19 HARVEY PT 2, 57R5353 EXCEPT PT 1 & 3, 57R8250; T/W R356550; KAWARTHA LAKES						
Indirectly Affected (I)	63137 0142			BUCKEYE TOURIST & SPORTING ENTERPRISES LIMITED	3396 County Road 36		Bobcaygeon	ON	K0M 1A0	PT LT 12 CON 19 HARVEY PT 1, 57R5353 CITY OF KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE Inst. No. KL93396	66 Kent Street West		Lindsay	ON	K9V 2Y2
Indirectly Affected (I)	63137 0146			COMHOLD INVESTMENTS LIMITED	3400 COUNTY RD 36		Bobcaygeon	ON	K0M 1A0	PT LT 12 CON 19 HARVEY AS IN R325633; S/T R325633; KAWARTHA LAKES						
Indirectly Affected (I)	63137 0145			14237200 CANADA INC.	3404 COUNTY RD 36	83 Gillett Dr, AJAX, ON L1Z 0E4	Bobcaygeon	ON	K0M 1A0	PT LT 12 CON 19 HARVEY AS IN R468612; T/W R468612; KAWARTHA LAKES	BANK OF MONTREAL Inst. No. KL199016	6605 Hurontario Street, Suite 300		Mississauga	ON	L5T 0A4
Indirectly Affected (I)	63137 0144	[redacted]	[redacted]		[redacted]	[redacted]	Bobcaygeon	ON	K0M 1A0	PT LT 12 CON 19 HARVEY AS IN R383090; KAWARTHA LAKES	CANADIAN WESTERN TRUST COMPANY IN TRUST FOR RRSP PL #10092240 Inst. No. KL158742	SUITE 300 - 750 CAMBIE ST.		Vancouver	BC	V6B 0A2
Indirectly Affected (I)	63137 0144	[redacted]	[redacted]		[redacted]	[redacted]	Bobcaygeon	ON	K0M 1A0	PT LT 12 CON 19 HARVEY AS IN R383090; KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE Inst No. KL175026	PO Box 115 Commerce Court Postal Stn		Toronto	ON	M5L 1E5
Indirectly Affected (I)	63137 0143	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 12 CON 19 HARVEY AS IN R470549 AS AMENDED BY R471614; KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE Inst. No. KL95551	100 University Avenue, 3rd Floor		Toronto	ON	M5J 2X4
Indirectly Affected (I)	63137 0148			MEDLAW CORPORATION LIMITED	3418 COUNTY RD 36		Bobcaygeon	ON	K0M 1A0	PT LT 12 CON 19 HARVEY AS IN VT80561 EXCEPT R378237; S/T R244921; T/W R244920; KAWARTHA LAKES						
Indirectly Affected (I)	63137 0174	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LOT 10, RCP 564; EXCEPT R378237 CITY OF KAWARTHA LAKES	ROYAL BANK OF CANADA Inst. No. KL182769	10 York Mills Road, 3rd Floor,		Toronto	ON	M2P 0A2
Indirectly Affected (I)	63137 0175	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 9 RCP 564 EXCEPT PT 11, 57R2376 CITY OF KAWARTHA LAKES	COMPUTERSHARE TRUST COMPANY OF CANADA c/o Paradigm Quest Inc. Inst. No. KL95462	390 Bay St., Suite 1800		Toronto	ON	M5H 2Y2
Indirectly Affected (I)	63137 0175	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 9 RCP 564 EXCEPT PT 11, 57R2376 CITY OF KAWARTHA LAKES	COMPUTERSHARE TRUST COMPANY OF CANADA c/o Paradigm Quest Inc. Inst. No. KL95462	390 Bay St., Suite 1800		Toronto	ON	M5H 2Y2
Indirectly Affected (I)	63137-0176	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 8 RCP 564 EXCEPT PT 10, 57R2376 CITY OF KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No. KL123220	10 Wright Blvd		Stratford	ON	N4Z 1H3
Indirectly Affected (I)	63137 0177	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 7 RCP 564 EXCEPT R378237 CITY OF KAWARTHA LAKES	B2B BANK MORTGAGE ADMINISTRATIVE CENTRE Inst. No. KL171113	199 BAY ST. SUITE 600 PO BOX 279 STN COMMERCE COURT		Toronto	ON	M5L 0A2
Indirectly Affected (I)	63137 0177	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 7 RCP 564 EXCEPT R378237 CITY OF KAWARTHA LAKES	[redacted]			Ennismore	ON	K0L 1T0
Indirectly Affected (I)	63137 0178	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 6 RCP 564 EXCEPT R378237; CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63137 0178	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 6 RCP 564 EXCEPT R378237; CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63137 0179	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 5 RCP 564 EXCEPT PT 7, 57R2376; KAWARTHA LAKES						

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63137-0180	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 4 RCP 564 EXCEPT PT 6, 57R2376; CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63137-0180	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 4 RCP 564 EXCEPT PT 6, 57R2376; CITY OF KAWARTHA LAKES	HAVENTREE BANK Inst no. KL202195	P.O. Box 22248 Bankers Hall		Calgary	AB	T2P 4J6
Indirectly Affected (I)	63137 0181			CITY OF KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	PT LT 56 RCP 564 PT 1, 57R3308; BEING LITTLE BOB DRIVE; S/T R189321, R180248, R167003, A53235 & VT55802; KAWARTHA LAKES						
Indirectly Affected (I)	63137 0166	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 3 RCP 564 EXCEPT R378237; T/W VT55802; KAWARTHA LAKES						
Indirectly Affected (I)	63137 0166	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 3 RCP 564 EXCEPT R378237; T/W VT55802; KAWARTHA LAKES						
Indirectly Affected (I)	63137 0071	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM AS IN R452257; CITY OF KAWARTHA LAKES	FIRST NATIONAL FINANCIAL GP CORPORATION Inst. No. KL174950	100 University Avenue, Suite 700 North Tower		Toronto	ON	M5J 1V6
Indirectly Affected (I)	63137 0070			1715742 ONTARIO LIMITED	3371 AND 3377 COUNTY RD 36		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM PT 1, 57R8133 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63137 0069			917918 ONTARIO LIMITED	3380 County Rd 36		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM PT 1, 57R8133 CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63137 0068			2772976 ONTARIO INC.	3381 County Road 36		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM PT 2, 57R8133 CITY OF KAWARTHA LAKES	Bobcaygeon Storage Inc -Inst No. R473542	10 Earl Kennedy Road		Dunsford	ON	K0M 1L0
Indirectly Affected (I)	63137 0067	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM AS IN R367141 CITY OF KAWARTHA LAKES	COMPUTERSHARE TRUST COMPANY OF CANADA c/o First National Financial LP Inst. No. KL197837	16 York Street, Suite 1900		TORONTO	ON	M5J 0E6
Indirectly Affected (I)	63137 0066	[redacted]	[redacted]		[redacted]	[redacted]	Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM AS IN R305123; S/T R469553; KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE Inst No. KL157277	PO Box 115 Commerce Court Postal Stn		Toronto	ON	M5L 1E5
Indirectly Affected (I)	63137 0066	[redacted]	[redacted]		[redacted]	[redacted]	Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM AS IN R305123; S/T R469553; KAWARTHA LAKES	Hydro-Easement- INST. No R470102	185 Clegg Road	PO Box 4300	Markham	ON	L6G 1B7.
Indirectly Affected (I)	63137 0065	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM AS IN R197484; S/T R470102; KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE inst No. KL86985	100 University Avenue, 3rd Floor		Toronto	ON	M5J 2X4
Indirectly Affected (I)	63137 0065	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM AS IN R197484; S/T R470102; KAWARTHA LAKES	Hydro-Easement- INST. No R470102	185 Clegg Road	PO Box 4300	Markham	ON	L6G 1B7.
Indirectly Affected (I)	63137 0064	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM PT 1, 57R3149; KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE inst No. KL39985	100 University Avenue, 3rd Floor		Toronto	ON	M5J 2X4
Indirectly Affected (I)	63137 0064	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM PT 1, 57R3149; KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE inst No. KL39985	100 University Avenue, 3rd Floor		Toronto	ON	M5J 2X4
Indirectly Affected (I)	63137 0063	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM AS IN R441553 CITY OF KAWARTHA LAKES	Toronto Dominion Bank Inst. No.KL178293	4720 Tahoe Boulevard, Build 1		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63137 0063	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM AS IN R441553 CITY OF KAWARTHA LAKES	Toronto Dominion Bank Inst. No.KL178293	4720 Tahoe Boulevard, Build 1		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63137 0062			HAMMELL HOLDINGS LTD.	3401 COUNTY RD 36	27 Jubbs Shore Road Fenelon Falls, Ontario K0M 1N0	Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM AS IN R387786 EXCEPT R378237; KAWARTHA LAKES	THE TORONTO-DOMINION BANK Inst. No. KL188233	81 Kent Street West		Lindsay	ON	K9V 2Y3
Indirectly Affected (I)	63137 0061	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM AS IN R467763 CITY OF KAWARTHA LAKES	LAURENTIAN BANK OF CANADA Inst. No. KL57640	130 Adelaide Street West 2nd Floor		Toronto	ON	M5H 3P5

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63137 0061	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM AS IN R467763 CITY OF KAWARTHA LAKES	[redacted]	[redacted]		Toronto	ON	M3B 1M4
Indirectly Affected (I)	63137 0060	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM AS IN R296748 CITY OF KAWARTHA LAKES	INVESTORS GROUP TRUST CO. LTD Inst. No. KL91336	One Canada Centre 5th Floor – 447 Portage Avenue		Winnipeg	MB	R3C 3B6
Indirectly Affected (I)	63137 0059	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM AS IN R407831; S/T R469554; KAWARTHA LAKES	Hydro-Easement- INST. No .R469554	185 Clegg Road	PO Box 4300	Markham	ON	L6G 1B7.
Indirectly Affected (I)	63137 0059	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM AS IN R407831; S/T R469554; KAWARTHA LAKES	Hydro-Easement- INST. No .R469554	185 Clegg Road	PO Box 4300	Markham	ON	L6G 1B7.
Indirectly Affected (I)	63137 0058	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM AS IN R441503; SUBJECT TO AN EASEMENT IN GROSS OVER PT 1 57R9686 AS IN KL56374 CITY OF KAWARTHA LAKES	BANK OF MONTREAL Mortgage Service Centre Inst. No. KL166477	865 Harrington Court		Burlington	ON	L7N 3P3
Indirectly Affected (I)	63137 0058	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM AS IN R441503; SUBJECT TO AN EASEMENT IN GROSS OVER PT 1 57R9686 AS IN KL56374 CITY OF KAWARTHA LAKES	[redacted]	[redacted]		Madawaska	ON	K0J 2C0
Indirectly Affected (I)	63137 0058	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM AS IN R441503; SUBJECT TO AN EASEMENT IN GROSS OVER PT 1 57R9686 AS IN KL56374 CITY OF KAWARTHA LAKES	Hydro-Easement- Inst. No. KL 56374	185 Clegg Road	PO Box 4300	Markham	ON	L6G 1B7.
Indirectly Affected (I)	63137 0057	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM AS IN R238168; KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No. KL174781	100 Clarington Blvd.	Hwy 2 @ Clarington	Bowmanville	ON	L1C 4Z3
Indirectly Affected (I)	63137 0057	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM AS IN R238168; KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No. KL174781	100 Clarington Blvd.	Hwy 2 @ Clarington	Bowmanville	ON	L1C 4Z3
Indirectly Affected (I)	63137 0057	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM AS IN R238168; KAWARTHA LAKES	PROMPT FINANCIAL SOLUTIONS CORPORATION Inst. No. KL191075	5420 North Service Road, Suite 205		Burlington	ON	L7L 6C7
Indirectly Affected (I)	63137 0056	[redacted]	[redacted]		[redacted]		Brampton	ON	L6V 3H8							
Indirectly Affected (I)	63137 0056	[redacted]	[redacted]		[redacted]		Brampton	ON	L6V 3H8							
Indirectly Affected (I)	63137 0053			SS BOBCAYGEON INC.	4080 Confederation Pky, Suite 605,		Mississauga	ON	L5B 0G1	PT LT 13 CON 10 VERULAM PT 3, 57R8133 CITY OF KAWARTHA LAKES	2391393 ONTARIO INC. Inst. No KL198585	6465 Airport Road,		MISSISSAUGA	ON	L4V 1E4
Indirectly Affected (I)	63137 0055	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 13 CON 10 VERULAM AS IN R319030; CITY OF KAWARTHA LAKES	BANK OF MONTREAL Mortgage Service Centre Inst. No. KL176802	865 Harrington Court		Burlington	ON	L7N 3P3
Indirectly Affected (I)	63137 0055	[redacted]	[redacted]					ON								
Indirectly Affected (I)	63137 0054	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 14 CON 10 VERULAM AS IN R331533; S/T DEBTS IN R331533; KAWARTHA LAKES	BANK OF MONTREAL Inst. No. KL66634	75 Bolton Street		Bobcaygeon	ON	K0M 1A0
Indirectly Affected (I)	63137 0054	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 14 CON 10 VERULAM AS IN R331533; S/T DEBTS IN R331533; KAWARTHA LAKES	HOME EQUITY MORTGAGE CORPORATION Inst. No. KL188025	1881 Yonge Street, 3rd Floor		TORONTO	ON	M4S 3C4
Indirectly Affected (I)	63137 0001			2696948 ONTARIO INC.	369 Crosby Avenue,	7100 Woodbine Ave, Suite 102, Markham, ON L3R 5J2	Richmond Hill	ON	L4C 2R8	PCL 14-1 SEC C10-VER; PT LT 14 CON 10 VERULAM PT 1 57R8056; KAWARTHA LAKES	2696948 ONTARIO INC. Inst. No. KL188954	6 Ovida Blvd		Markham	ON	L3P 1E1
Indirectly Affected (I)	63129 0182	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 2-3 PL 257; CITY OF KAWARTHA LAKES	Manulife Bank of Canada Inst. No. KL199737	500 King Street North Delivery Station 500-G-A		WATERLOO	ON	N2J 4C6
Indirectly Affected (I)	63129 0182	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 2-3 PL 257; CITY OF KAWARTHA LAKES	Manulife Bank of Canada Inst. No. KL199737	500 King Street North Delivery Station 500-G-A		WATERLOO	ON	N2J 4C6

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63129 0055			CITY OF KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	FIRSTLY: SNAKE POINT RD PL 257 SECONDLY; PT LT 15 RANGE 7 PL 11 VERULAM PT 3, 57R8191; KAWARTHA LAKES						
Indirectly Affected (I)	63129 0183	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 1 PL 257 AS IN R404385; KAWARTHA LAKES	KAWARTHA CREDIT UNION LIMITED Inst. No. KL178011	14 Hunter Street East	P.O. Box 116	Peterborough	ON	K9J 6Y5
Indirectly Affected (I)	63129 0206	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 19 PL 233 S/T INTEREST IN R302244; KAWARTHA LAKES						
Indirectly Affected (I)	63129 0206	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 19 PL 233 S/T INTEREST IN R302244; KAWARTHA LAKES						
Indirectly Affected (I)	63129 0205	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 17-18 PL 233 EXCEPT PT 1, 57R9037 CITY OF KAWARTHA LAKES	Toronto Dominion Bank Inst. No.KL157915	4720 Tahoe Boulevard, Build 1		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63129 0205	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 17-18 PL 233 EXCEPT PT 1, 57R9037 CITY OF KAWARTHA LAKES	Toronto Dominion Bank Inst. No..KL192924	4720 Tahoe Boulevard, Build 1		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63129 0204	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 16 PL 233; CITY OF KAWARTHA LAKES	Toronto Dominion Bank Inst. No.. KL155349	4720 Tahoe Boulevard, Build 1		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63129 0204	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 16 PL 233; CITY OF KAWARTHA LAKES	Toronto Dominion Bank Inst. No.. KL155349	4720 Tahoe Boulevard, Build 1		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63129 0202	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 13-14 PL 233; KAWARTHA LAKES						
Indirectly Affected (I)	63129 0202	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 13-14 PL 233; KAWARTHA LAKES	ROYAL BANK OF CANADA Inst. No. KL191945	10 York Mills Road		TORONTO	ON	M2P 0A2
Indirectly Affected (I)	63129 0208			CITY OF KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	PT BLK C PL 11 VERULAM PT 1, HWY856H, AKA KINGSWAY DR; KAWARTHA LAKES						
Indirectly Affected (I)	63129 0207			CITY OF KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	PT BLK C PL 11 VERULAM PT 1, 57R1441; KAWARTHA LAKES						
Indirectly Affected (I)	63815-0060	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 60 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0060	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 60 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,	Toronto Dominion Bank Inst. No.. KL198957	4720 Tahoe Boulevard, Build 1		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63815-0057 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 57 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0056 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 56 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0056 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 56 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,	CANADIAN IMPERIAL BANK OF COMMERCE Inst. No. KL176833	PO Box 115 Commerce Court Postal Stn		TORONTO	ON	M5L 1E5
Indirectly Affected (I)	63815-0055 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 55 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1 57R3590 SAVE AND EXCEPT PARTS 2, 3 57R4060 AND PT 3 57R3926						
Indirectly Affected (I)	63815-0054 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 54 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0053 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 53 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63815-0051 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 51 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0049 (LT)	[redacted]	[redacted]		[redacted]					UNIT 49 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0049 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 49 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0048 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 48 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0046 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 46 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,	FIRST NATIONAL FINANCIAL GP CORPORATION KL187954	16 York Street, Suite 1900,		TORONTO	ON	M5J 0E6
Indirectly Affected (I)	63815-0045 (LT)	[redacted]	[redacted]		[redacted]					UNIT 45 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0045 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 45 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0043 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 43 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0040 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 40 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0037 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 37 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0033 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 33 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0027 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 27 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0027 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 27 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0022 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 22 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0013 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 13 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0013 (LT)	[redacted]	[redacted]		[redacted]					UNIT 13 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0011 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 11 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0009 (LT)	[redacted]	[redacted]		[redacted]					UNIT 9 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0009 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 9 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0008 (LT)	[redacted]	[redacted]		[redacted]					UNIT 8 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63815-0008 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 8 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63815-0001 (LT)	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	UNIT 1 LEVEL 1 VICTORIA CONDOMINIUM PLAN NO. 15 LT 2 RCP 564 DESIGNATED AS PT 1, 57R3590 SAVE AND EXCEPT PARTS 2, 3, 57R4060 AND PT 3,						
Indirectly Affected (I)	63136 0588	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 1 RCP 564; KAWARTHA LAKES						
Indirectly Affected (I)	63136 0400	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 14 CON 19 HARVEY AS IN R310520; KAWARTHA LAKES	Bank of Montreal Inst. No R310521	16 William Street S,	PO Box 238	Lindsay	ON	K9V 4S3
Indirectly Affected (I)	63136 0400	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 14 CON 19 HARVEY AS IN R310520; KAWARTHA LAKES	Canadian Imperial Bank of Commerce Inst No. R454621	93 Bolton St,		Bobcaygeon	ON	K0M 1A0
Indirectly Affected (I)	63136 0398	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 14 CON 19 HARVEY AS IN R409088; KAWARTHA LAKES	STREET CAPITAL BANK OF CANADA Inst. No. KL154232	1080 Grande Allee West	PO BOX 1907 Station Terminus	Quebec City	QC	G1K 7M3
Indirectly Affected (I)	63136 0398	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 14 CON 19 HARVEY AS IN R409088; KAWARTHA LAKES	KAWARTHA LAKES COMMUNITY FUTURESDEVELOPMENT CORPORATION Instrument No. KL172749	189 Kent Street West, Suite 211		Lindsay	ON	K9V 5G6
Indirectly Affected (I)	63136 0397			1875645 ONTARIO INC.	168 EAST STREET SOUTH		Bobcaygeon	ON	K0M 1A0	PT LT 14 CON 19 HARVEY AS IN R409088; KAWARTHA LAKES	PARKLAND INDUSTRIES LTD Inst. No KL71040	4919 59th Street, Suite 236		Red Deer	AB	T4N 6C9
Indirectly Affected (I)	63136 0397			1875645 ONTARIO INC.	168 EAST STREET SOUTH		Bobcaygeon	ON	K0M 1A0	PT LT 14 CON 19 HARVEY AS IN R409088; KAWARTHA LAKES	KAWARTHA CREDIT UNION LIMITED Inst. No. KL91895	14 Hunter Street East	P.O. Box 116	Peterborough	ON	K9J 6Y5
Indirectly Affected (I)	63136 0397			1875645 ONTARIO INC.	168 EAST STREET SOUTH		Bobcaygeon	ON	K0M 1A0	PT LT 14 CON 19 HARVEY AS IN R409088; KAWARTHA LAKES	PARKLAND INDUSTRIES LTD. Inst. No. KL101947	Suite 5101, 333 – 96th Ave NE		CALGARY	AB	T3K 0S3
Indirectly Affected (I)	63136 0088			CITY OF KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	LT 54 RCP 564; PT LT 14 CON 19 HARVEY AS IN VB3104 (FIRSTLY), BEING MILL RD, AKA MILL ST; KAWARTHA LAKES						
Indirectly Affected (I)	63136 0137			2751058 ONTARIO INC	100 EAST STREET SOUTH		Bobcaygeon	ON	K0M 1A0	BLK 1 PL 615; KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE Inst. No. KL163741 and Inst. No. KL163743	1580-1582 The Queensway		Etobicoke	ON	M8Z 1V1
Indirectly Affected (I)	63136 0124	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 23 PL 631; S/T R268848; KAWARTHA LAKES	Toronto Dominion Bank Inst. No. Inst. No. KL129188	4720 Tahoe Boulevard, Build 1		Mississauga	ON	L4W 5P2
Indirectly Affected (I)	63136 0123	[redacted]	[redacted]		[redacted]					LT 24 PL 631; KAWARTHA LAKES	The Bank of Nova Scotia Inst. No. R425861	15 Westney Road North		Ajax	ON	L1T 1P4
Indirectly Affected (I)	63136 0123	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 24 PL 631; KAWARTHA LAKES	The Bank of Nova Scotia Inst. No. R425861	15 Westney Road North		Ajax	ON	L1T 1P4
Indirectly Affected (I)	63136 0122	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 25 PL 631; KAWARTHA LAKES	ROYAL BANK OF CANADA Inst. No.KL156422	10 York Mills Road, 3rd Floor,		Toronto	ON	M2P 0A2
Indirectly Affected (I)	63136 0121	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 26 PL 631; KAWARTHA LAKES	NATIONAL BANK OF CANADA Inst. No KL129024	500 PLACE D'ARMES		Montreal	QC	H2Y 2W3
Indirectly Affected (I)	63136 0120	[redacted]	[redacted]		[redacted]					LT 27 PL 631; KAWARTHA LAKES SUBJECT TO AN EASEMENT FOR ENTRY UNTIL 2021/12/01 AS IN KL120538	CANADIAN IMPERIAL BANK OF COMMERCE Inst No. KL171724	PO Box 115 Commerce Court Postal Stn		Toronto	ON	M5L 1E5
Indirectly Affected (I)	63136 0120	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 27 PL 631; KAWARTHA LAKES SUBJECT TO AN EASEMENT FOR ENTRY UNTIL 2021/12/01 AS IN KL120538	CANADIAN IMPERIAL BANK OF COMMERCE Inst No. KL171724	PO Box 115 Commerce Court Postal Stn		Toronto	ON	M5L 1E5
Indirectly Affected (I)	63136 0119	[redacted]	[redacted]		[redacted]					LT 28 PL 631; S/T R268848; KAWARTHA LAKES SUBJECT TO AN EASEMENT FOR ENTRY AS IN KL122076	CANADIAN IMPERIAL BANK OF COMMERCE Inst No. KL178632	PO Box 115 Commerce Court Postal Stn		Toronto	ON	M5L 1E5

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63136 0119	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 28 PL 631; S/T R268848; KAWARTHA LAKES SUBJECT TO AN EASEMENT FOR ENTRY AS IN KL122076	The Village of Bobcaygeon. C/O CITY OF KAWARTHA LAKES, Inst. No. R268848 Access Easement	26 Francis Street		Lindsay	ON	K9V 5R8
Indirectly Affected (I)	63136 0118	[redacted]	[redacted]		[redacted]					LT 29 PL 631; S/T R268848; KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE Inst No. KL178632	PO Box 115 Commerce Court Postal Stn		Toronto	ON	M5L 1E5
Indirectly Affected (I)	63136 0118	[redacted]			[redacted]		Bobcaygeon	ON	K0M 1A0	LT 29 PL 631; S/T R268848; KAWARTHA LAKES	The Village of Bobcaygeon. C/O CITY OF KAWARTHA LAKES, Inst. No. R268848 Access Easement	26 Francis Street		Lindsay	ON	K9V 5R8
Indirectly Affected (I)	63136 0117	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 30 PL 631; S/T R268849; KAWARTHA LAKES SUBJECT TO AN EASEMENT FOR ENTRY AS IN KL124657	The Village of Bobcaygeon. C/O CITY OF KAWARTHA LAKES, Inst. No. R268849 Access Easement	26 Francis Street		Lindsay	ON	K9V 5R8
Indirectly Affected (I)	63136 0117	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 30 PL 631; S/T R268849; KAWARTHA LAKES SUBJECT TO AN EASEMENT FOR ENTRY AS IN KL124657	The Village of Bobcaygeon. C/O CITY OF KAWARTHA LAKES, Inst. No. R268849 Access Easement	26 Francis Street		Lindsay	ON	K9V 5R8
Indirectly Affected (I)	63136 0116	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 31 PL 631; S/T R268849; KAWARTHA LAKES	MANULIFE BANK OF CANADA Inst. No KL180882	500 King Street North		Waterloo	ON	N2J 4C6
Indirectly Affected (I)	63136 0116	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 31 PL 631; S/T R268849; KAWARTHA LAKES	The Village of Bobcaygeon. C/O CITY OF KAWARTHA LAKES, Inst. No. R268849 Access Easement	26 Francis Street		Lindsay	ON	K9V 5R8
Indirectly Affected (I)	63136 0115	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 32 PL 631 SUBJECT TO AN EASEMENT FOR ENTRY AS IN KL120519 CITY OF KAWARTHA LAKES	CITY OF KAWARTHA LAKES Inst. No KL120519	26 Francis Street		Lindsay	ON	K9V 5R8
Indirectly Affected (I)	63136 0115	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 32 PL 631 SUBJECT TO AN EASEMENT FOR ENTRY AS IN KL120519 CITY OF KAWARTHA LAKES	BANK OF MONTREAL Mortgage Service Centre Inst. No. KL182142	865 Harrington Court		Burlington	ON	L7N 3P3
Indirectly Affected (I)	63136 0114	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 33 PL 631; KAWARTHA LAKES CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63136 0114	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 33 PL 631; KAWARTHA LAKES CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63136 0113	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 34 PL 631; S/T R268848; KAWARTHA LAKES	CITY OF KAWARTHA LAKES Inst. No R268848	26 Francis Street		Lindsay	ON	K9V 5R8
Indirectly Affected (I)	63136 0113	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 34 PL 631; S/T R268848; KAWARTHA LAKES	CITY OF KAWARTHA LAKES Inst. No R268848	26 Francis Street		Lindsay	ON	K9V 5R8
Indirectly Affected (I)	63136 0112	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 35 PL 631; S/T R268848 CITY OF KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No.KL184998	165 KENT STREET	P.O. BOX 270	Lindsay	ON	K9V 4S2
Indirectly Affected (I)	63136 0112	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 35 PL 631; S/T R268848 CITY OF KAWARTHA LAKES	CITY OF KAWARTHA LAKES Inst. No R268848	26 Francis Street		Lindsay	ON	K9V 5R8
Indirectly Affected (I)	63129 0213			EMPIRE LEAGUE, ONTARIO PROVINCIAL COMMAND, BOBCAYGEON BRANCH #239;THE CANADIAN LEGION OF THE BRITISH	96 KING ST E		Bobcaygeon	ON	K0M 1A0	PT BLK B PL 11 VERULAM AS IN VB3449 & VB3448 EXCEPT HWY804H; KAWARTHA LAKES						
Indirectly Affected (I)	63129 0221			1106551 ONTARIO LIMITED	101 EAST STREET SOUTH		Bobcaygeon	ON	K0M 1A0	PT BLK A, B PL 11 VERULAM PT 1, 57R8259; KAWARTHA LAKES						
Indirectly Affected (I)	63129 0057			CITY OF KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	PT RDAL BTN LT 15 AND LT 16 CON 10 VERULAM BEING; BOYD ST PL 70; PT BLK A PL 11 VERULAM PT 2, HWY856H; KAWARTHA LAKES						
Indirectly Affected (I)	63136 0103			CITY OF KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	RDAL BTN LT 14 AND LT 15 CON 19 HARVEY BTN HWY 36 & PIGEON LAKE; PT LT 14 CON 19 HARVEY PT 3, HWY856H; AKA BOYD ST EXTENSION; KAWARTHA LAKES						
Indirectly Affected (I)	63129 0226			LW GP III INC.	28 BOYD STREET		Bobcaygeon	ON	K0M 1A0	LT 2 N/S SOUTH ST AKA BOYD ST PL 70; LT 3 N/S SOUTH ST AKA BOYD ST PL 70; LT 4 N/S SOUTH ST AKA BOYD ST PL 70; LT 5 N/S SOUTH ST AKA BOYD ST PL 70; PT LT 1 N/S SOUTH ST AKA BOYD ST PL 70; PT LT 6 N/S SOUTH ST AKA BOYD ST PL 70 AS IN R426933 CITY OF KAWARTHA LAKES						

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63136 0089	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT LT 15 CON 19 HARVEY AS IN R343791; KAWARTHA LAKES						
Indirectly Affected (I)	63136 0089	[redacted]	[redacted]				Bobcaygeon	ON	K0M 1A0	PT LT 15 CON 19 HARVEY AS IN R343791; KAWARTHA LAKES						
Indirectly Affected (I)	63130 0286			CITY OF KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	FRONT ST PL 70 BTN MAIN ST & EAST ST; KAWARTHA LAKES						
Indirectly Affected (I)	63135 0052			CITY OF KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	ROAD PL 131; ROAD IN REAR OF PL 205; PT LT 15 CON 19 HARVEY; PT PARK PL 131 PT 4, HWY856H; RIVERSIDE DR PL 131 AKA RIVERSIDE DR; KAWARTHA LAKES						
Indirectly Affected (I)	63130 0266			CITY OF KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	PT LT 10 E/S ANNE ST PL 70 PT 1 57R1707; KAWARTHA LAKES						
Indirectly Affected (I)	63135 0398			MINISTRY OF TRANSPORTATION AND COMMUNICATIONS	138 Hope Street North	P. O. Box 150	Port Hope	ON	L1A 3W3	PT LT 12 E/S ANNE ST PL 70 PT 2 HWY809H; KAWARTHA LAKES						
Indirectly Affected (I)	63130 0273			CITY OF KAWARTHA LAKES,	26 Francis Street		Lindsay	ON	K9V 5R8	ANNE ST PL 70 BTN PRINCE ST & HWY 36; PT LT 12 W/S ANNE ST, 13 W/S ANNE ST, 12 E/S ANNE ST PL 70 AS IN HWY856H; KAWARTHA LAKES						
Indirectly Affected (I)	63135 0281			RIVERSIDE BOBCAYGEON PROPERTIES INC.	10 RIVERSIDE DR		Bobcaygeon	ON	K0M 1A0	PT LT 15-16 CON 19 HARVEY PT 5, 57R6973 CITY OF KAWARTHA LAKES	PEOPLES TRUST COMPANY Inst. No. KL77062 and Inst No. KL183140 and Inst No. KL111968	123 Front Street West, Suite No. 901		TORONTO	ON	M5J 2M2
Indirectly Affected (I)	63135 0277	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 45 PL 610 CITY OF KAWARTHA LAKES	HOME EQUITY MORTGAGE CORPORATION Inst. No. KL153419	1881 Yonge Street, 3rd Floor,		Toronto	ON	M4S 3C4
Indirectly Affected (I)	63130 0275			CITY OF KAWARTHA LAKES	26 Francis Street		Lindsay	ON	K9V 5R8	HELEN ST PL 70 BTN DUKE ST & PRINCE ST; PT LT 16 W/S HELEN ST PL 70 AS IN HWY856H; KAWARTHA LAKES						
Indirectly Affected (I)	63130 0161	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	LT 14 E/S BOBCAYGEON RD, 15 E/S BOBCAYGEON RD, 14 W/S HELEN ST, 15 W/S HELEN ST, 16 W/S HELEN ST PL 70 EXCEPT PT 9 57R391; KAWARTHA LAKES						
Indirectly Affected (I)	63134 0157			CITY OF KAWARTHA LAKES	26 Francis Street		Lindsay	ON	K9V 5R8	PT BLK Y PL 29 PT 1, 57R3037 & PT 1 57R7172; KAWARTHA LAKES						
Indirectly Affected (I)	63134 0150	[redacted]	[redacted]		[redacted]					PT BLK Y PL 29 PT 3, 57R5581, T/W R256180; KAWARTHA LAKES	ROYAL BANK OF CANADA Inst. No. KL116793	10 York Mills Road, 3rd Floor,		Toronto	ON	M2P 0A2
Indirectly Affected (I)	63134 0150	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT BLK Y PL 29 PT 3, 57R5581, T/W R256180; KAWARTHA LAKES	ROYAL BANK OF CANADA Inst. No. KL116793	10 York Mills Road, 3rd Floor,		Toronto	ON	M2P 0A2
Indirectly Affected (I)	63134 0148	[redacted]	[redacted]		[redacted]		Bobcaygeon	ON	K0M 1A0	PT BLK Y PL 29 PT 2, 57R5581, S/T R263227 CITY OF KAWARTHA LAKES						
ALTERNATE ROUTE																
Indirectly Affected (I)	63252 0274	[redacted]	[redacted]		[redacted]	[redacted]	Port Perry	ON	L9L 1G6	PT S1/2 LT 16 CON 10 EMILY PT 1, 57R4835;; CITY OF KAWARTHA LAKES	BANK OF MONTREAL Inst. No. KL175476	865 Harrington Court		Burlington	ON	L7N 3P3
Indirectly Affected (I)	63252-0505	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	S1/2 LT 14 CON 9 EMILY; KAWARTHA LAKES						
Indirectly Affected (I)	63252-0272	[redacted]	[redacted]		[redacted]		Lindsay	ON	K9V 4R5	N1/2 LT 16 CON 10 EMILY AS IN R206765 EXCEPT PT 3, 57R4947; KAWARTHA LAKES	FARM CREDIT CANADA Inst. No. KL170275	1133 St. George Boulevard, Suite 200		Moncton	NB	E1E 4E1

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63252-0752	[redacted]	[redacted]		[redacted]		Kawartha Lakes	ON	K0L 2B0	PT LT 13 CON 8 EMILY AS IN A63597 EXCEPT PT 1, 57R3997; KAWARTHA LAKES						
Indirectly Affected (I)	63252-0752	[redacted]	[redacted]		[redacted]		Kawartha Lakes	ON	K0L 2B0	PT LT 13 CON 8 EMILY AS IN A63597 EXCEPT PT 1, 57R3997; KAWARTHA LAKES						
Indirectly Affected (I)	63252-0761	[redacted]	[redacted]		[redacted]		Omemee	ON	K0L 2W0	PT LT 13 CON 8 EMILY AS IN R387357; KAWARTHA LAKES						
Indirectly Affected (I)	63252-0268	[redacted]	[redacted]		[redacted]		LINDSAY	ON	K9V 4R5	E1/2 LT 14 CON 10 EMILY EXCEPT PT 2, 57R3063;; CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63252-0268	[redacted]	[redacted]		[redacted]		LINDSAY	ON	K9V 4R5	E1/2 LT 14 CON 10 EMILY EXCEPT PT 2, 57R3063;; CITY OF KAWARTHA LAKES	KAWARTHA CREDIT UNION LIMITED Inst. No. KL196253	14 Hunter Street East, P.O. Box 116		Peterborough	ON	K9J 6Y5
Indirectly Affected (I)	63252 0270	[redacted]	[redacted]		[redacted]		LINDSAY	ON	K9V 4R5	S1/2 LT 15 CON 10 EMILY; KAWARTHA LAKES						
Indirectly Affected (I)	63252-0270	[redacted]	[redacted]		[redacted]		LINDSAY	ON	K9V 4R5	S1/2 LT 15 CON 10 EMILY; KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst No. KL160534	165 Kent Street West	P.O. BOX 270	LINDSAY	ON	K9V 4S2
Indirectly Affected (I)	63252-0512	[redacted]	[redacted]		[redacted]		LINDSAY	ON	K9V 4R5	N1/2 LT 15 CON 9 EMILY E OF A27860; KAWARTHA LAKES						
Indirectly Affected (I)	63252-0515	[redacted]	[redacted]		[redacted]		LINDSAY	ON	K9V 4R5	W1/2 LT 16 CON 9 EMILY; KAWARTHA LAKES						
Indirectly Affected (I)	63252-1164	[redacted]	[redacted]		[redacted]		LINDSAY	ON	K9V 4R5	EMILY, PART 4, 57R10491 IN FAVOUR OF PART S1/2 LT 17 CON 10 EMILY, PARTS 1, 2, 3, 57R10491 AS IN KL115546; TOGETHER WITH AN EASEMENT OVER PART S1/2 LT 17 CON 10 EMILY, PART 3, 57R10491 AS IN KL115546; CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63252-1164	[redacted]	[redacted]		[redacted]		LINDSAY	ON	K9V 4R5	EMILY, PART 4, 57R10491 IN FAVOUR OF PART S1/2 LT 17 CON 10 EMILY, PARTS 1, 2, 3, 57R10491 AS IN KL115546; TOGETHER WITH AN EASEMENT OVER PART S1/2 LT 17 CON 10 EMILY, PART 3, 57R10491 AS IN KL115546; CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63252-1164	[redacted]	[redacted]		[redacted]		LINDSAY	ON	K9V 4R5	EMILY, PART 4, 57R10491 IN FAVOUR OF PART S1/2 LT 17 CON 10 EMILY, PARTS 1, 2, 3, 57R10491 AS IN KL115546; TOGETHER WITH AN EASEMENT OVER PART S1/2 LT 17 CON 10 EMILY, PART 3, 57R10491 AS IN KL115546; CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63252-1164	[redacted]	[redacted]		[redacted]		LINDSAY	ON	K9V 4R5	EMILY, PART 4, 57R10491 IN FAVOUR OF PART S1/2 LT 17 CON 10 EMILY, PARTS 1, 2, 3, 57R10491 AS IN KL115546; TOGETHER WITH AN EASEMENT OVER PART S1/2 LT 17 CON 10 EMILY, PART 3, 57R10491 AS IN KL115546; CITY OF KAWARTHA LAKES	[redacted]	[redacted]		Lindsay	ON	K9V 4R5
Indirectly Affected (I)	63252-0751	[redacted]	[redacted]		[redacted]		LINDSAY	ON	K9V 4R5	PT LT 13 CON 8 EMILY AS IN R442216; S/T INTEREST IN R423637; KAWARTHA LAKES	COMPUTERSHARE TRUST COMPANY OF CANADA Inst. No. KL191666	C/O FIRST NATIONAL FINANCIAL LP 1900, 16 York Street,		TORONTO	ON	M5J 0E6
Indirectly Affected (I)	63252 0506	[redacted]	[redacted]		[redacted]		LINDSAY	ON	K9V 4R5	PT S1/2 LT 13 CON 9 EMILY AS IN VT100230 & R129573 EXCEPT PT 21, 57R5257; KAWARTHA LAKES						
Indirectly Affected (I)	63252 0506	[redacted]	[redacted]		[redacted]		LINDSAY	ON	K9V 4R5	PT S1/2 LT 13 CON 9 EMILY AS IN VT100230 & R129573 EXCEPT PT 21, 57R5257; KAWARTHA LAKES						
Indirectly Affected (I)	63252 0507	[redacted]	[redacted]		[redacted]		LINDSAY	ON	K9V 4R5	PT S1/2 LT 13 CON 9 EMILY AS IN VT95671 EXCEPT PT 22, 57R5257; KAWARTHA LAKES						
Indirectly Affected (I)	63252 0507	[redacted]	[redacted]		[redacted]		LINDSAY	ON	K9V 4R5	PT S1/2 LT 13 CON 9 EMILY AS IN VT95671 EXCEPT PT 22, 57R5257; KAWARTHA LAKES	KAWARTHA CREDIT UNION LIMITED Inst. No. KL140753	14 Hunter Street East, P.O. Box 116		Peterborough	ON	K9J 6Y5
Indirectly Affected (I)	63252-0762	[redacted]	[redacted]		[redacted]		LINDSAY	ON	K9V 4R5	PT LT 14 CON 8 EMILY AS IN A50357; KAWARTHA LAKES						
Indirectly Affected (I)	63252-0762	[redacted]	[redacted]		[redacted]		LINDSAY	ON	K9V 4R5	PT LT 14 CON 8 EMILY AS IN A50357; KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No. KL146028	165 Kent Street West	PO BOX 270	LINDSAY	ON	K9V 4S2

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
Indirectly Affected (I)	63252-0514			OUSSOREN'S POULTRY FARM LTD.	1407 TRACY HILL ROAD		LINDSAY	ON	K9V 4R5	S1/2 LT 15 CON 9 EMILY E OF A28368; CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63252-0771			PIGEON LAKE TRAILER PARK INC.	1418 TRACY HILL ROAD		LINDSAY	ON	K9V 4R5	PT N1/2 LT 15 CON 8 EMILY AS IN R347502 EXCEPT PT 1 & 2, 57R1998 & PT 1, 57R3930; KAWARTHA LAKES	ROYAL BANK OF CANADA Inst. No. KL122742	36 York Mills Road 4th Floor		TORONTO	ON	M2P 0A4
Indirectly Affected (I)	63252 – 0508	[redacted]	[redacted]		[redacted]		LINDSAY	ON	K9V 4R5	N1/2 LT 14 CON 9 EMILY EXCEPT PT 1, 57R4520; KAWARTHA LAKES						
Indirectly Affected (I)	63252 – 0508	[redacted]	[redacted]		[redacted]		LINDSAY	ON	K9V 4R5	N1/2 LT 14 CON 9 EMILY EXCEPT PT 1, 57R4520; KAWARTHA LAKES						
Indirectly Affected (I)	63252 – 0508	[redacted]	[redacted]		[redacted]		LINDSAY	ON	K9V 4R5	N1/2 LT 14 CON 9 EMILY EXCEPT PT 1, 57R4520; KAWARTHA LAKES	FARM CREDIT CANADA Inst. No.KL97423	Suite 200 – 1133 St. George Boulevard		Moncton	NB	E1E 4E1
Indirectly Affected (I)	63252-0269	[redacted]	[redacted]		[redacted]		OMEMEE	ON	KOL 2W0	N1/2 LT 15 CON 10 EMILY EXCEPT PT 2, 57R4947; CITY OF KAWARTHA LAKES						
Indirectly Affected (I)	63252-0763	[redacted]	[redacted]			[redacted]				PT LT 14 CON 8 EMILY AS IN VT55391 EXCEPT PT 1, 57R1541; KAWARTHA LAKES						
Indirectly Affected (I)	63252-0764	[redacted]	[redacted]			[redacted]				PT LT 14 CON 8 EMILY AS IN VT55391 EXCEPT PT 1, 57R1541; KAWARTHA LAKES						
Directly Affected (D)	63252-0511			TOWNSHIP OF EMILY -(EAGLE ROAD-Forced Road)	The City of Kawartha Lakes	26 Francis Street	Lindsay	ON	K9V 5R8	PT N1/2 LT 15 CON 9 EMILY; PT S1/2 LT 15 CON 9 EMILY AS IN A27860 & A28368 SECONDLY FORCED RD THROUGH PT N1/2 LT 15 CON 9 & PT S1/2 LT 15 CON 9 S/T INTEREST IN R364075 & R388040; KAWARTHA LAKES						
Directly Affected (D)	63252-0490			PUBLIC AUTHORITY HAVING JURISDICTION (ST LUKE'S ROAD)	The City of Kawartha Lakes	26 Francis Street	Lindsay	ON	K9V 5R8	RDAL BTN CON 9 AND CON 10 EMILY ABUTTING LT 13 TO LT 23; KAWARTHA LAKES						
Directly Affected (D)	63252-0491			PUBLIC AUTHORITY HAVING JURISDICTION (TRACY'S HILL ROAD)	The City of Kawartha Lakes	26 Francis Street	Lindsay	ON	K9V 5R8	RDAL BTN CON 8 AND CON 9 EMILY ABUTTING LT 13 TO LT 23; PT LT 13 CON 8 EMILY PT 19, 57R5257; BEING TRACEY'S HILL RD; KAWARTHA LAKES						
Directly Affected (D)	63252-0271			PUBLIC AUTHORITY HAVING JURISDICTION (CORK ROAD-Forced Road)	The City of Kawartha Lakes	26 Francis Street	Lindsay	ON	K9V 5R8	WLY 33 FT N1/2 LT 16 CON 10 EMILY BEING A FORCED ROAD; KAWARTHA LAKES						

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
(i)	63259-0131	[redacted]					Omemee	ON	K0L 2W0	PT E1/2 LT 12 CON 1 EMILY AS IN R163782; KAWARTHA LAKES	SCOTIA MORTGAGE CORPORATION- Inst. No. KL159120	780 Clonsilla Avenue,		Peterborough,	ON	K9J 5Y3
(i)	63258-0562						Omemee	ON	K0L 2W0	PT S1/2 LT 13 CON 1 EMILY DESIGNATED AS PART 1, REFERENCE PLAN 57R−8786; CITY OF KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE Inst. No. KL60436	825 Monaghan Road		Peterborough,	ON	K9J 5K2
(i)	63258-0562						Omemee	ON	K0L 2W0	PT S1/2 LT 13 CON 1 EMILY DESIGNATED AS PART 1, REFERENCE PLAN 57R−8786; CITY OF KAWARTHA LAKES	CIBC MORTGAGES INC Inst. No. KL72567	P.O. Box 115, Commerce Court Postal Station Lender Reference Number: 003151702		Toronto	ON	M5L 1E5
(i)	63258-0245						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 1 EMILY PT 1, RD44; KAWARTHA LAKES						
(i)	63258-0245						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 1 EMILY PT 1, RD44; KAWARTHA LAKES	ROYAL BANK OF CANADA Inst. No. KL14958	180 Wellington Street West, 2nd Floor		Toronto	ON	M5J 1J1
(i)	63258-0244						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 1 EMILY PT 2, RD44; KAWARTHA LAKES						
(i)	63258-0244						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 1 EMILY PT 2, RD44; KAWARTHA LAKES	THE TORONTO-DOMINION BANK Inst. No. KL194486	4720 Tahoe Blvd., Building 1		Mississauga	ON	L4W 5P2
(i)	63259-0132						Omemee	ON	K0L 2W0	PT E1/2 LT 12 CON 1 EMILY PT 1, 57R1807 & PT 1, 57R7570;; CITY OF KAWARTHALAKES						
(i)	63259-0132						Omemee	ON	K0L 2W0	PT E1/2 LT 12 CON 1 EMILY PT 1, 57R1807 & PT 1, 57R7570;; CITY OF KAWARTHALAKES	THE BANK OF NOVA SCOTIA Inst. No. KL193522	111 Hunter Street W		Peterborough,	ON	K9H 7G5
(i)	63259-0133						Omemee	ON	K0L 2W0	PT E1/2 LT 12 CON 1 EMILY AS IN A33961, EXCEPT PT 1, 57R6891, PT 1, 57R7570,PT 1, 57R1807 & PT 1, 57R1806; CITY OF KAWARTHA LAKES	BANK OF MONTREAL Inst. No. KL153928	865 Harrington Court,		Burlington	ON	L7N 3P3
(i)	63258-0243						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 1 EMILY PT 3, RD44; KAWARTHA LAKES	THE TORONTO-DOMINION BANK Inst. No. KL164706	4720 Tahoe Blvd., Building 1		Mississauga	ON	L4W 5P2
(i)	63258-0243						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 1 EMILY PT 3, RD44; KAWARTHA LAKES	THE TORONTO-DOMINION BANK Inst. No. KL48214	4720 Tahoe Blvd., Building 1		Mississauga	ON	L4W 5P2
(i)	63258 - 0242						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 1 EMILY PT 4, RD44; KAWARTHA LAKES	THE TORONTO-DOMINION BANK Inst. No. KL139669	4720 Tahoe Blvd., Building 1		Mississauga	ON	L4W 5P2
(i)	63258 - 0242						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 1 EMILY PT 4, RD44; KAWARTHA LAKES	THE TORONTO-DOMINION BANK Inst. No. KL152354	4720 Tahoe Blvd., Building 1		Mississauga	ON	L4W 5P2
(i)	63258-0241						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 1 EMILY PT 5, RD44; KAWARTHA LAKES						
(i)	63258-0241						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 1 EMILY PT 5, RD44; KAWARTHA LAKES	ROYAL BANK OF CANADA Inst. No. KL186553	10 York Mills Road, 3rd Floor,		Toronto	ON	M2P 0A2
(i)	63258-0240						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 1 EMILY PT 6, RD44; KAWARTHA LAKES						
(i)	63258-0240						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 1 EMILY PT 6, RD44; KAWARTHA LAKES						
(i)	63258 – 0238						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 1 EMILY PT 7, RD44; KAWARTHA LAKES	7084421 CANADA LTD. Inst. No. KL99304	202 St. John's Sideroad East		AURORA	ON	L4G 0M6
(i)	63258 – 0238						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 1 EMILY PT 7, RD44; KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE Inst. No.KL29585	825 Monaghan Road		Peterborough,	ON	K9J 5K2
(i)	63258 – 0238						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 1 EMILY PT 7, RD44; KAWARTHA LAKES	CIBC MORTGAGES INC Inst. No. KL21726	P.O. Box 115 Commerce Court Postal Station		Toronto	ON	M5L 1E5
(i)	63258-0239						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 1 EMILY AS IN R453902; CITY OF KAWARTHA LAKES	FIRST NATIONAL FINANCIAL GP CORPORATION Inst. No. KL143659	100 University Avenue, Suite 1200, North Tower,		Toronto	ON	M5J 1V6
(i)	63258-0237						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 1 EMILY PT 8, RD44; KAWARTHA LAKES						
(i)	63258-0237						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 1 EMILY PT 8, RD44; KAWARTHA LAKES						

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
(i)	63259-0134			TRUSTEES OF EMILY PRESBYTERIAN CEMETERY	133 Emily Park Rd		Omemee	ON	K0L 2W0	PT E1/2 LT 12 CON 1 EMILY PT 1, 57R6891, VT60377, A31608, EXCEPT PT 12 & 13, HWY712H; KAWARTHA LAKES						
(i)	63258 – 0236	[redacted]					Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 1 EMILY PT 9, RD44; KAWARTHA LAKES	AUTO WORKERS COMMUNITY CREDIT UNION LIMITED Inst. No. KL56277	322 KING STREET WEST		OSHAWA	ON	L1J 2J9
(i)	63258 – 0236						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 1 EMILY PT 9, RD44; KAWARTHA LAKES					ON	
(i)	63258-0143						Omemee	ON	K0L 2W0	S1/2 LT 13 CON 2 EMILY; PT LT 14 CON 2 EMILY AS IN R379373; S/T EM11083; KAWARTHA LAKES					ON	
(i)	63258-0143						Omemee	ON	K0L 2W0	S1/2 LT 13 CON 2 EMILY; PT LT 14 CON 2 EMILY AS IN R379373; S/T EM11083; KAWARTHA LAKES	The HYDRO COMMISSION OF ONTARIO Inst. No. EM11083	620 Universtiy Avenue		TORONTO	ON	M5G 2L7
(i)	63259 0292						Omemee	ON	K0L 2W0	S1/2 OF S1/2 LT 12 CON 2 EMILY EXCEPT HWY712H; KAWARTHA LAKES	DUNBARTON INVESTMENT CORPORATION Inst. No. KL177104	526 3rd Street		CANMORE	AB	T1W 2J4
(i)	63259 0292						Omemee	ON	K0L 2W0	S1/2 OF S1/2 LT 12 CON 2 EMILY EXCEPT HWY712H; KAWARTHA LAKES	[redacted]	[redacted]		Omemee	ON	K0L 2W0
(i)	63259-0291						Omemee	ON	K0L 2W0	N1/2 OF S1/2 LT 12 CON 2 EMILY EXCEPT HWY712H; KAWARTHA LAKES	ROYAL BANK OF CANADA TORONTO MORTGAGE OPERATIONS CENTRE Inst. No. R452739	180 Wellington Street West 2nd Floor		TORONTO	ON	M5J 1J1
(i)	63258 0142						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 2 EMILY PT 1, 57R2064; KAWARTHA LAKES						
(i)	63258 0142						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 2 EMILY PT 1, 57R2064; KAWARTHA LAKES						
(i)	63259-0290						Omemee	ON	K0L 2W0	PT N1/2 LT 12 CON 2 EMILY AS R131044; KAWARTHA LAKES						
(i)	63259-0290						Omemee	ON	K0L 2W0	PT N1/2 LT 12 CON 2 EMILY AS R131044; KAWARTHA LAKES						
(i)	63259-0289						Omemee	ON	K0L 2W0	PT N1/2 LT 12 CON 2 EMILY AS IN A63581; KAWARTHA LAKES	BANK OF MONTREAL Inst. No. KLR300312	130 Simcoe Street 1-17		Peterborough	ON	K9H 2H5
(i)	63259-0289						Omemee	ON	K0L 2W0	PT N1/2 LT 12 CON 2 EMILY AS IN A63581; KAWARTHA LAKES						
(i)	63258-0141						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 2 EMILY PT 1, 57R924; KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE Inst. No.R449373 AND Inst No. KL127143	825 Monaghan Road		Peterborough,	ON	K9J 5K2
(i)	63258-0141						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 2 EMILY PT 1, 57R924; KAWARTHA LAKES						
(i)	63259-0288						Omemee	ON	K0L 2W0	PT N1/2 LT 12 CON 2 EMILY PT 1, 57R8122; KAWARTHA LAKES					ON	
(i)	63259-0288						Omemee	ON	K0L 2W0	PT N1/2 LT 12 CON 2 EMILY PT 1, 57R8122; KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No. R449313	1154 Chemong Road		Peterborough,	ON	K9H 7J6
(i)	63258-0140						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 2 EMILY AS IN R205308 EXCEPT PT 1, 57R6273; S/T EM11082, VT44913;; CITY OF KAWARTHA LAKES	The HYDRO COMMISSION OF ONTARIO Inst. No. EM11082	620 Universtiy Avenue		TORONTO	ON	M5G 2L7
(i)	63258-0140						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 2 EMILY AS IN R205308 EXCEPT PT 1, 57R6273; S/T EM11082, VT44913;; CITY OF KAWARTHA LAKES	[redacted]	[redacted]		BRIDGENORTH	ON	K0L 1H0
(i)	63258-0140						Omemee	ON	K0L 2W0	PT N1/2 LT 13 CON 2 EMILY AS IN R205308 EXCEPT PT 1, 57R6273; S/T EM11082, VT44913;; CITY OF KAWARTHA LAKES	The Bell Telephone Company of Canada	1 Carrefour Alexander-Graham-Bell		MONTREAL	QC	H3E 3B3
(i)	63259 0287						Omemee	ON	K0L 2W0	PT N1/2 LT 12 CON 2 EMILY PT 1, 57R7914; CITY OF KAWARTHA LAKES					ON	
(i)	63259 0287						Omemee	ON	K0L 2W0	PT N1/2 LT 12 CON 2 EMILY PT 1, 57R7914; CITY OF KAWARTHA LAKES					ON	
(i)	63259 0287						Omemee	ON	K0L 2W0	PT N1/2 LT 12 CON 2 EMILY PT 1, 57R7914; CITY OF KAWARTHA LAKES	THE TORONTO-DOMINION BANK Inst. No. KL189785	4720 Tahoe Blvd., Building 1		Mississauga	ON	L4W 5P2

Directly Affected (D) Indirectly Affected (I)	PIN	First Name	Last Name	Company Name	Address Line 1	Address Line 2	City	Province	Postal Code	Property Description	Mortgage, Lien/Lease/Encumbrances	Address Line 1	Address Line 2	City	Province	Postal Code
(i)	63259 0286	[redacted]					Omemee	ON	K0L 2W0	PT N1/2 LT 12 CON 2 EMILY AS IN A34769 EXCEPT PT 1, 57R7914 & PT 1, 57R8122; S/T VT45078; KAWARTHA LAKES					ON	
(i)	63259 0286						Omemee	ON	K0L 2W0	PT N1/2 LT 12 CON 2 EMILY AS IN A34769 EXCEPT PT 1, 57R7914 & PT 1, 57R8122; S/T VT45078; KAWARTHA LAKES	The Bell Telephone Company of Canada Inst. No. VT45078	1 Carrefour Alexander-Graham-Bell		MONTREAL	QC	4Z 1H3
(i)	63258 0138			The Bell Telephone Company of Canada	298 Cottingham Rd,	2nd Floor, 136 Bayfield Street,	Barrie	ON	L4M 3B1	PT N1/2 LT 13 CON 2 EMILY AS IN VT45471 & VT80885 EXCEPT HWY712H; S/T VT44913; KAWARTHA LAKES					ON	
(i)	63259-0285						Omemee	ON	K0L 2W0	PT S1/2 LT 12 CON 3 EMILY AS IN A34769 EXCEPT PT 1, 57R5847; S/T VT45105; KAWARTHA LAKES					ON	
(i)	63259-0285						Omemee	ON	K0L 2W0	PT S1/2 LT 12 CON 3 EMILY AS IN A34769 EXCEPT PT 1, 57R5847; S/T VT45105; KAWARTHA LAKES	The Bell Telephone Company of Canada Inst. No. VT45105	1 Carrefour Alexander-Graham-Bell		MONTREAL	QC	H3E 3B3
(i)	63258-0056						Omemee	ON	K0L 2W0	S 1/2 NE1/4 LT 13 CON 3 EMILY; PT SE1/4 LT 13 CON 3 EMILY; PT SW1/4 LT 13 CON 3 EMILY PT 1, 57R387; S/T EM10670; KAWARTHA LAKES	The HYDRO COMMISSION OF ONTARIO Inst. No. EM10670	620 Universtiy Avenue		TORONTO	ON	M5G 2L7
(i)	63258-0056						Omemee	ON	K0L 2W0	S 1/2 NE1/4 LT 13 CON 3 EMILY; PT SE1/4 LT 13 CON 3 EMILY; PT SW1/4 LT 13 CON 3 EMILY PT 1, 57R387; S/T EM10670; KAWARTHA LAKES	KAWARTHA CREDIT UNION LIMITED Inst. No. KL99731	1054 Monaghan Road		Peterborough,	ON	K9H 5L3
(i)	63259-0130						Omemee	ON	K0L 2W0	PT S1/2 LT 12 CON 3 EMILY PT 1, 57R5847; KAWARTHA LAKES						
(i)	63259-0130						Omemee	ON	K0L 2W0	PT S1/2 LT 12 CON 3 EMILY PT 1, 57R5847; KAWARTHA LAKES						
(D)	63259-0129						Omemee	ON	K0L 2W0	PT S1/2 OF N1/2 LT 12 CON 3 EMILY PT 1, 57R7133; KAWARTHA LAKES						
(D)	63259-0129						Omemee	ON	K0L 2W0	PT S1/2 OF N1/2 LT 12 CON 3 EMILY PT 1, 57R7133; KAWARTHA LAKES	CANADIAN IMPERIAL BANK OF COMMERCE Inst. No. KL144817	P.O. Box 115 Commerce Court Postal Station		Toronto	ON	M5L 1E5
(i)	28001-0195						Cavan	ON	L0A 1C0	PT LT 12 CON 13 CAVAN AS IN CMR98981; CVN-MIL-NMO						
(i)	28001-0195						Cavan	ON	L0A 1C0	PT LT 12 CON 13 CAVAN AS IN CMR98981; CVN-MIL-NMO						
(i)	28001-0310						Cavan	ON	L0A 1C0	PT LTS 53 & 54 PL 17 CAVAN, BEING PT 1 PL 45R15795; TOWNSHIP OFCAVAN-MONAGHAN	THE BANK OF NOVA SCOTIA Inst. No.PE396376	10 Wright Blvd.		Stratford	ON	N4Z 1H3
(i)	28001-0168						Cavan	ON	L0A 1C0	PT LT 12 CON 14 CAVAN AS IN R623877; CVN-MIL-NMO					ON	
(i)	28001-0168						Cavan	ON	L0A 1C0	PT LT 12 CON 14 CAVAN AS IN R623877; CVN-MIL-NMO	MERIDIAN CREDIT UNION LIMITED Inst. No. PE319403	75 CORPORATE PARK DRIVE		ST. CATHARINES	ON	L2S 3W3
(i)	28001-0243						Cavan	ON	L0A 1C0	LT 1-3 RCP 121 CAVAN; CVN-MIL-NMO					ON	
(i)	28001-0243						Cavan	ON	L0A 1C0	LT 1-3 RCP 121 CAVAN; CVN-MIL-NMO	MERIDIAN CREDIT UNION LIMITED Inst. No. PE326084	75 CORPORATE PARK DRIVE		ST. CATHARINES	ON	L2S 3W3
(i)	28000 0043						Cavan	ON	L0A 1C0	PCL 17-1 SEC M717; LT 17 PL M717 ; CVN-MIL-NMO	KAWARTHA CREDIT UNION LIMITED Inst. No. PE288308	14 Hunter Street East,		Peterborough	ON	K9J 7B2
(i)	28000-0027						Cavan	ON	L0A 1C0	PCL 1-1 SEC M717; LT 1 PL M717 ; CVN-MIL-NMO						
(i)	28000-0027						Cavan	ON	L0A 1C0	PCL 1-1 SEC M717; LT 1 PL M717 ; CVN-MIL-NMO	THE TORONTO-DOMINION BANK Inst. No. PE255827 and PE86880	4720 Tahoe Blvd., Building 1		Mississauga	ON	L4W 5P2
(i)	28000-0111						Cavan	ON	L0A 1C0	LT 67–69 PL 17 CAVAN; CVN–MIL–NMO	BANK OF MONTREAL Inst. No. PE230392	865 Harrington Court		Burlington,	ON	L7N 3P3
(i)	63258 0563			2462186 ONTARIO INC	(964 Hayes Line)	131 Yardley Ave	Toronto	ON	M4B 2B3	PT S1/2 LT 13 CON 1 EMILY AS IN VT99703 SAVE AND EXCEPT PART 1 REFERENCEPLAN 57R-8786; CITY OF KAWARTHA LAKES	THE BANK OF NOVA SCOTIA Inst. No. KL138862	2154 Lawrence Ave E,		Toronto	ON	M1R 3A8

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(D)	28000-0446	[redacted]					Cavan	ON	L0A 1C0	S1/2 LT 13 CON 12 CAVAN EXCEPT PT 1, 45R13670; S/T CMR34799; CVN-MIL-NMO	THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO Inst No R611999	620 Universtiy Avenue		TORONTO	ON	M5G 2L7
(i)	28000-0446						Cavan	ON	L0A 1C0	S1/2 LT 13 CON 12 CAVAN EXCEPT PT 1, 45R13670; S/T CMR34799; CVN-MIL-NMO	THE BANK OF NOVA SCOTIA Inst. No. PE327056	ServiceSummit Plaza, 780 Clonsilla Ave.		Peterborough	ON	K9J 5Y3
(i)	28001-0253						Cavan	ON	L0A 1C0	PT LT 12 CON 12 CAVAN AS IN CMR65042 EXCEPT PT 1 45R11905; CVN−MIL−NMO						
(i)	28000 0369						Cavan	ON	L0A 1C0	PT LT 13 CON 13 CAVAN AS IN R717899; CVN-MIL-NMO	THE TORONTO-DOMINION BANK Inst. No. R717900	4720 Tahoe Blvd., Building 1		Mississauga	ON	L4W 5P2
(i)	28000 0368						Cavan	ON	L0A 1C0		THE TORONTO-DOMINION BANK Inst. No. PE298614	4720 Tahoe Blvd., Building 1		Mississauga	ON	L4W 5P2
(i)	28000 0367						Cavan	ON	L0A 1C0	PT LT 13 CON 13 CAVAN PT 1 9R2002; S/T INTEREST IN CMR88157; CVN-MIL-NMO						
(i)	28000 0366						Cavan	ON	L0A 1C0	PT LT 13 CON 13 CAVAN AS IN CMR24110 EXCEPT PT 1 9R2002; S/T CMR91264 ; CAVAN MONAGHAN						
(i)	28000 0366						Cavan	ON	L0A 1C0	PT LT 13 CON 13 CAVAN AS IN CMR24110 EXCEPT PT 1 9R2002; S/T CMR91264 ; CAVAN MONAGHAN	THE TORONTO-DOMINION BANK Inst. No. PE196735	4720 Tahoe Blvd., Building 1		Mississauga	ON	L4W 5P2
(i)	28000-0365						Cavan	ON	L0A 1C0	PT LT 13 CON 13 CAVAN AS IN CMR108602; CVN-MIL-NMO	CANADIAN IMPERIAL BANK OF COMMERCE Inst. No.PE334751	P.O. Box 115 Commerce Court Postal Station		Toronto	ON	M5L 1E5
(i)	28000 0364						Cavan	ON	L0A 1C0	PT LT 13 CON 13 CAVAN AS IN CMR108589; CVN-MIL-NMO					ON	
(i)	28000 0364						Cavan	ON	L0A 1C0	PT LT 13 CON 13 CAVAN AS IN CMR108589; CVN-MIL-NMO	COMPUTERSHARE TRUST COMPANY OF CANADA Inst. No. PE329535	Servicec/o First National Financial LP, 100 University Avenue, Suite 700		Toronto	ON	M5J 1V6
(i)	28000 0363						Cavan	ON	L0A 1C0	PT LT 13 CON 13 CAVAN AS IN R705096; CVN-MIL-NMO	THE BANK OF NOVA SCOTIA Inst. No.PE365244	10 Wright Blvd.		Stratford	ON	N4Z 1H3
(i)	28000 0362						Cavan	ON	L0A 1C0	PT LT 13 CON 13 CAVAN AS IN R664332; CVN-MIL-NMO						
(i)	28000 0362						Cavan	ON	L0A 1C0	PT LT 13 CON 13 CAVAN AS IN R664332; CVN-MIL-NMO	The National Bank of Canada Inst. No. R725389	421 George Street N,		Peterborough	ON	K9H 3R4
(i)	28000 0360						Cavan	ON	L0A 1C0	PT LT 13 CON 13 CAVAN PT 2 45R13323 & AS IN CMR33686; CVN−MIL−NMO						
(i)	28000 0361						Cavan	ON	L0A 1C0	PT LT 13 CON 13 CAVAN PT 1 45R13323; S/T EXECUTION 06-0000345, IF ENFORCEABLE; CVN-MIL-NMO	KAWARTHA CREDIT UNION LIMITED Inst. No. PE214166	1054 Monaghan Road, P.O. Box 116		Peterborough	ON	K9J 6Y5
(i)	28000-0361						Cavan	ON	L0A 1C0	PT LT 13 CON 13 CAVAN PT 1 45R13323; S/T EXECUTION 06-0000345, IF ENFORCEABLE; CVN-MIL-NMO	ENERCARE HOME AND COMMERCIAL SERVICE INC. Inst. No.PE367469	7400 BIRCHMOUNT RD,		MARKHAM	ON	L3R 5V4
(i)	28001-0196						Cavan	ON	L0A 1C0	PT LT 12 CON 13 CAVAN AS IN R677505; CVN-MIL-NMO					ON	
(i)	28001-0196						Cavan	ON	L0A 1C0	PT LT 12 CON 13 CAVAN AS IN R677505; CVN-MIL-NMO	THE BANK OF NOVA SCOTIA Inst. No.R700741	10 Wright Blvd.		Stratford	ON	N4Z 1H3
(i)	28000 0118						Cavan	ON	L0A 1C0	PT LT 81, 83 PL 17 CAVAN; PT LT 13 CON 13 CAVAN; PT BOUCHER ST PL 17 CAVANCLOSED BY CMR77152 PT 1-3 9R1654; CVN-MIL-NMO					ON	
(i)	28000 0118						Cavan	ON	L0A 1C0	PT LT 81, 83 PL 17 CAVAN; PT LT 13 CON 13 CAVAN; PT BOUCHER ST PL 17 CAVANCLOSED BY CMR77152 PT 1-3 9R1654; CVN-MIL-NMO	FIRST NATIONAL FINANCIAL GP CORPORATION Inst. No. KL143659 Inst. No. PE388325	16 York Street, Suite 1900,		Toronto	ON	M5J 0E6
(i)	28000 – 0117						Cavan	ON	L0A 1C0	LT 81−83 PL 17 CAVAN EXCEPT PT 1 9R1654; CVN−MIL−NMO	COMPUTERSHARE TRUST COMPANY OF CANADA c/o Paradigm Quest Inc.	390 Bay Street Suite 1800		Toronto	ON	M5H 2Y2

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(i)	28000 – 0117	[redacted]					Cavan	ON	L0A 1C0	LT 81–83 PL 17 CAVAN EXCEPT PT 1 9R1654; CVN–MIL–NMO	2035881 ONTARIO INC. Inst. No. PE280963	Lansing Square, 11th Floor		Toronto	ON	M2J 4P8
(i)	28000 0107						Cavan	ON	L0A 1C0	LT 60–61, 66 PL 17 CAVAN TOWNSHIP OF CAVAN–MONAGHAN	ROYAL BANK OF CANADA Inst. No. PE107140	180 Wellington Street West 2nd Floor		Toronto	ON	M5J 1J1
(i)	28001-0190			THE MOUNT PLEASANT WOMEN'S INSTITUTE COMMUNITY CENTRE	2432 Queen Mary St		Cavan	ON	L0A 1C0	PT LT 54 PL 17 CAVAN PT 1 9R1969; CVN-MIL-NMO						
(i)	28000 0106						Cavan	ON	L0A 1C0	PT LT 59 PL 17 CAVAN AS IN R590627; CVN–MIL–NMO						
(i)	28001-0189						Cavan	ON	L0A 1C0	PT LT 54-55 PL 17 CAVAN AS IN R666145; CVN-MIL-NMO	ROYAL BANK OF CANADA Inst. No. R722528	401 George Street N,		Peterborough	ON	K9H 6Y8
(i)	28001-0189						Cavan	ON	L0A 1C0	PT LT 54-55 PL 17 CAVAN AS IN R666145; CVN-MIL-NMO					ON	
(i)	28001-0288						Cavan	ON	L0A 1C0	LTS 56, 57 & 58, PL 17 CAVAN ; CAVAN MONAGHAN	THE BANK OF NOVA SCOTIA Inst. No. PE226885	111 Hunter Street W		Peterborough	ON	K9H 7G5
(i)	28000 0105						Cavan	ON	L0A 1C0	PT LT 55A PL 17 CAVAN AS IN R717653A; DESCRIPTION MAY NOT BE ACCEPTABLEIN FUTURE AS IN R717653A; CVN-MIL-NMO					ON	
(i)	28000 0105						Cavan	ON	L0A 1C0	PT LT 55A PL 17 CAVAN AS IN R717653A; DESCRIPTION MAY NOT BE ACCEPTABLEIN FUTURE AS IN R717653A; CVN-MIL-NMO	BANK OF MONTREAL Inst No. PE308052	865 Harrington Court		Burlington,	ON	L7N 3P3
(i)	28000 0097						Cavan	ON	L0A 1C0	LT 1 PL 17 CAVAN; CVN-MIL-NMO	ROYAL BANK OF CANADA TORONTO MORTGAGE OPERATIONS CENTRE Inst. No. R711234	180 Wellington Street West 2nd Floor		TORONTO	ON	M5J 1J1
(i)	28001-0180						Cavan	ON	L0A 1C0	PT LT 25-26 PL 17 CAVAN PT 1 9R1701; CVN-MIL-NMO	THE BANK OF NOVA SCOTIA Inst. No. R719389	111 Hunter Street W		Peterborough	ON	K9H 7G5
(i)	28000 0099						Cavan	ON	L0A 1C0	LT 4 PL 17 CAVAN; CVN–MIL–NMO					ON	
(i)	28000 0099						Cavan	ON	L0A 1C0	LT 4 PL 17 CAVAN; CVN–MIL–NMO	THE BANK OF NOVA SCOTIA Inst. No.PE82690	10 Wright Blvd.		Stratford	ON	N4Z 1H3
(i)	28001-0181						Cavan	ON	L0A 1C0	LT 27 PL 17 CAVAN; PT LT 28 PL 17 CAVAN AS IN CMR45477; CVN-MIL-NMO						
(i)	28001-0181						Cavan	ON	L0A 1C0	LT 27 PL 17 CAVAN; PT LT 28 PL 17 CAVAN AS IN CMR45477; CVN-MIL-NMO	PATHWISE CREDIT UNION LIMITED Inst. No. PE360963	322 King Street West		OSHAWA	ON	L1J 2J9
(i)	28000 0100						Cavan	ON	L0A 1C0	LT 5 PL 17 CAVAN; CVN-MIL-NMO						
(i)	28000 0100						Cavan	ON	L0A 1C0	LT 5 PL 17 CAVAN; CVN-MIL-NMO						
(i)	28001-0182						Cavan	ON	L0A 1C0	PT LT 28 PL 17 CAVAN AS IN R656895; CVN–MIL–NMO						
(i)	28001-0182						Cavan	ON	L0A 1C0	PT LT 28 PL 17 CAVAN AS IN R656895; CVN–MIL–NMO	KAWARTHA CREDIT UNION LIMITED Inst. No. PE208846	645 Lansdowne Street West		Peterborough	ON	K9J 7Y7
(i)	28001-0184						Cavan	ON	L0A 1C0	LT 28A, 29 PL 17 CAVAN; TOWNSHIP OF CAVAN-MONAGHAN	ROYAL BANK OF CANADA Inst. No. PE377908	10 York Mills Road, 3rd Floor,		Toronto	ON	M2P 0A2
(i)	28001-0183						Cavan	ON	L0A 1C0	LT 30-31 PL 17 CAVAN; CVN-MIL-NMO	THE TORONTO-DOMINION BANK Inst. No. PE125663 and PE125657	4720 Tahoe Blvd., Building 1		Mississauga	ON	L4W 5P2
(i)	28001-0183						Cavan	ON	L0A 1C0	LT 30-31 PL 17 CAVAN; CVN-MIL-NMO					ON	
(i)	28001-0185						Cavan	ON	L0A 1C0	LT 32 PL 17 CAVAN; CAVAN MONAGHAN					ON	
(i)	28001-0185						Cavan	ON	L0A 1C0	LT 32 PL 17 CAVAN; CAVAN MONAGHAN	COMPUTERSHARE TRUST COMPANY OF CANADA c/o First National Financial LP Inst No. PE387476	16 York Street, Suite 1900		Toronto	ON	M5J 0E6
(i)	28001-0272						Cavan	ON	L0A 1C0	PT JAMISON ST PL 17 CAVAN (CLOSED BY CMR102502 & CONFIRMED BY R592303) PT 2 9R1852; CVN-MIL-NMO					ON	
(i)	28001-0169	BLAND LINE aka-MILL ROAD		PUBLIC AUTHORITY HAVING JURISDICTION (Township of Cavan)	988 County Rd 10		Millbrook	ON	L0A 1G0	PT LT 12 CON 14 CAVAN (TRAVELLED RD) & PT 1 9R2757 AKA MILL RD BTN RDAL BTN CON 13 & 14 AND QUEEN ST; S/T CMR109137; CVN-MIL-NMO					ON	

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(i)	28000 0046	BLUE JAY STREET		Township of Cavan	988 County Rd 10		Millbrook	ON	L0A 1G0	PCL STREETS-1 SEC M717; STUART ST PL M717 ; CVN-MIL-NMO					ON	
(i)	63259-0281	COTTINGHAM RD-W-		PUBLIC AUTHORITY HAVING JURISDICTION (City of Kawartha Lakes)	26 Francis Street		Lindsay	ON	K9V 5R8	FIRSTLY PT SE1/4 LT 10 CON 3 EMILY PT 3, 57R8472; RDAL BTN CON 2 AND CON 3 EMILY LYING BTN LT 8 & 12 LYING W OF COUNTY RD NO. 12; SECONDLY PT NW1/4 LT 8 CON 2 EMILY PT 2, 57R6685; KAWARTHA LAKES					ON	
(i)	63258-0459	COTTINGHAM RD-E		PUBLIC AUTHORITY HAVING JURISDICTION (City of Kawartha Lakes)	26 Francis Street		Lindsay	ON	K9V 5R8	RDAL BTN CON 2 AND CON 3 EMILY ABUTTING LT 13 & 14 EXCEPT R172898; KAWARTHA LAKES					ON	
(D)	28000-0444	[redacted]					Peterborough	ON	K9H 3M3	FIRSTLY: RDAL BTN LOTS 12 & 13 CON 14 CAVAN; PT LT 25 PL 17 CAVAN PT 2 9R1701; SECONDLY: PT LT 13 CON 14 CAVAN; PT LT 6-8 PL 17 CAVAN; PT JAMISON ST PL 17 CAVAN; PT LT 12 CON 14 CAVAN AS IN CMR11892; PT LT 12 CON 14 CAVAN (TRAVELLED RD) AKA QUEEN ST, COUNTY RD 10 BTN KING ST & HAYES LINE; CVN-MILNMO					ON	
(I)	63258-0052	HAYES LINE E		PUBLIC AUTHORITY HAVING JURISDICTION (City of Kawartha Lakes)	26 Francis Street		Lindsay	ON	K9V 5R8	PT RDAL BTN TWP OF CAVAN AND TWP OF EMILY LYING BTN RDAL BTN LT 12 & 13 & RDAL BTN TWP OF EMILY & TWP OF SMITH, LYING N OF THE CENTRELINE; KAWARTHA LAKES					ON	
(i)	63259-0193	HAYES LINE W		PUBLIC AUTHORITY HAVING JURISDICTION (City of Kawartha Lakes)	26 Francis Street		Lindsay	ON	K9V 5R8	RDAL BTN TWP OF CAVAN AND TWP OF EMILY BTN COUNTY RD 38 AND COUNTY RD 10, LYING N OF CENTRE LINE; KAWARTHA LAKES					ON	
(i)	28000-0435	HOOTON DRIVE E		PUBLIC AUTHORITY HAVING JURISDICTION (Township of Cavan)	988 County Rd 10		Millbrook	ON	L0A 1G0	RDAL BTN CON 12 & CON 13 CAVAN ABUTTING LOTS 13 TO 23 AKA HOOTON DR; CVN-MIL-NMO					ON	
(i)	28000-0119	JAMISON ST PL		PUBLIC AUTHORITY HAVING JURISDICTION (Township of Cavan)	988 County Rd 10		Millbrook	ON	L0A 1G0	JAMISON ST PL 17 CAVAN ABUTTING LT 8, 9 & 24 EXCEPT CMR11892; CVN-MIL-NMO					ON	
(i)	63258-0462	MEADOWVIEW RD E		PUBLIC AUTHORITY HAVING JURISDICTION (City of Kawartha Lakes)	26 Francis Street		Lindsay	ON	K9V 5R8	RDAL BTN CON 1 AND CON 2 EMILY ABUTTING LT 13 TO LT 23 LYING E OF HWY712H; KAWARTHA LAKES					ON	
(i)	63259 0320	MEADOWVIEW RD W		PUBLIC AUTHORITY HAVING JURISDICTION (City of Kawartha Lakes)	26 Francis Street		Lindsay	ON	K9V 5R8	RDAL BTN CON 1 AND CON 2 EMILY ABUTTING LT 2-12, E OF COUNTY RD 38 & W OF COUNTY RD 10; KAWARTHA LAKES					ON	
(i)	28000-0122	MILL STREET E		PUBLIC AUTHORITY HAVING JURISDICTION (Township of Cavan)	988 County Rd 10		Millbrook	ON	L0A 1G0	MILL ST PL 17 CAVAN BTN WORKMAN ST & QUEEN ST; CVN-MIL-NMO					ON	
(i)	28001-0197	MILL STREET W		PUBLIC AUTHORITY HAVING JURISDICTION (Township of Cavan)	988 County Rd 10		Millbrook	ON	L0A 1G0	MILL ST PL 17 CAVAN W OF QUEEN ST; CVN-MIL-NMO					ON	
(i)	28001-0242	MT PLEASANT RD		PUBLIC AUTHORITY HAVING JURISDICTION (Township of Cavan)	988 County Rd 10		Millbrook	ON	L0A 1G0	KING ST PL 17 CAVAN W OF QUEEN ST; CVN-MIL-NMO					ON	
(i)	28000-0434	STEWART LINE-E		PUBLIC AUTHORITY HAVING JURISDICTION (Township of Cavan)	988 County Rd 10		Millbrook	ON	L0A 1G0	RDAL BTN CON 11 & CON 12 CAVAN ABUTTING LOTS 13 TO 23 AKA STEWART 12TH LINE; CVN-MIL-NMO					ON	
(i)	28001-0071	STEWART LINE-W		PUBLIC AUTHORITY HAVING JURISDICTION (Township of Cavan)	988 County Rd 10		Millbrook	ON	L0A 1G0	PT LT 4 CON 12 CAVAN PT 5 9R2572; RDAL BTN CON 11 & CON 12 CAVAN BTN RDAL BTN TWP OF MANVERS & CAVAN & COUNTY RD 10; CVN-MIL-NMO					ON	

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(i)	28001-0106	WILSON LINE		PUBLIC AUTHORITY HAVING JURISDICTION (Township of Cavan)	988 County Rd 10		Millbrook	ON	L0A 1G0	PT LT 12 CON 12 CAVAN PT 1 45R11905; RDAL BTN CON 12 & CON 13 CAVAN E OF RDAL BTN TWP OF MANVERS & TWP OF CAVAN & W OF COUNTY RD 10; CVN-MIL-NMO					ON	
(i)	28000-0098	[redacted]					Omemee	ON	K0L 2W0	LT 2-3, 6-15 PL 17 CAVAN EXCEPT CMR11892 ; CVN-MIL-NMO					ON	
(i)	28000-0098						Omemee	ON	K0L 2W0	LT 2-3, 6-15 PL 17 CAVAN EXCEPT CMR11892 ; CVN-MIL-NMO					ON	
(i)	28000-0098						PETERBPROUGH	ON	K9L 0C1	LT 2-3, 6-15 PL 17 CAVAN EXCEPT CMR11892 ; CVN-MIL-NMO					ON	
(i)	28000-0104						Omemee	ON	K0L 2W0	LT 18-24 PL 17 CAVAN; PT LT 13 CON 14 CAVAN AS IN R610280 (PORTION A) EXCEPT PT 1 45R9771 ; CVN-MIL-NMO					ON	
(i)	28000-0400			THE TRUSTEES OF THE WESLEYAN METHODIST CHURCH IN CANADA	44 Wesley Dr		Sussex	NB	E4E 5Z8	PT LT 13 CON 14 CAVAN AS IN CVNM4847; CVN-MIL-NMO					ON	
(i)	63258 – 0235	[redacted]					OMEMEE	ON	K0L 2W0	PT N1/2 LT 13 CON 1 EMILY PT 10, RD44; KAWARTHA LAKES					ON	
(i)	63258 – 0235						OMEMEE	ON	K0L 2W0	PT N1/2 LT 13 CON 1 EMILY PT 10, RD44; KAWARTHA LAKES	THE TORONTO-DOMINION BANK Inst. No. KL73036	4720 Tahoe Blvd., Building 1		Mississauga	ON	L4W 5P2
(i)	63258-0053						OMEMEE	ON	K0L 2W0	NW1/4 LT 13 CON 3 EMILY EXCEPT PT 8, 9 & 10, RD127, HWY650H & HWY712H; S/TA43202; S/T EM10671; KAWARTHA LAKES					ON	
(i)	63258-0053						OMEMEE	ON	K0L 2W0	NW1/4 LT 13 CON 3 EMILY EXCEPT PT 8, 9 & 10, RD127, HWY650H & HWY712H; S/TA43202; S/T EM10671; KAWARTHA LAKES	THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO Inst No EM10671	620 Universtiy Avenue		TORONTO	ON	M5G 2L7
(i)	63258-0057						OMEMEE	ON	K0L 2W0	PT SE 1/4 LT 13 EMILY; PT SW 1/4 LT 13 CON 3 EMILY AS IN R239026; S/T/R239026; KAWARTHA LAKES					ON	
(i)	63258-0057						OMEMEE	ON	K0L 2W0	PT SE 1/4 LT 13 EMILY; PT SW 1/4 LT 13 CON 3 EMILY AS IN R239026; S/T/R239026; KAWARTHA LAKES					ON	
(i)	28000-0282			THE OTONABEE REGION CONSERVATION AUTHORITY	250 Milroy Dr		Peterborough	ON	K9H 7M9	PT LT 13 CON 12 CAVAN AS IN CMR24835 EXCEPT CMR12477; CVN-MIL-NMO					ON	
(i)	28001-0163						OMEMEE	ON	K0L 2W0	PT LT 12 CON 14 CAVAN S/T THE RIGHTS OF OWNERS OF ADJOINING PARCELS IF ANY UNDER R610280; S/T CVNC4679; CVN-MIL-NMO					ON	
(i)	28001-0163						OMEMEE	ON	K0L 2W0	PT LT 12 CON 14 CAVAN S/T THE RIGHTS OF OWNERS OF ADJOINING PARCELS IF ANY UNDER R610280; S/T CVNC4679; CVN-MIL-NMO					ON	
(i)	28001-0199						Cavan	ON	L0A 1C0	PT LT 12 CON 13 CAVAN AS IN R73897 EXCEPT PT 1 & 2 9R1754 & PT 1 & 3, 45R13548; S/T DEBTS IN CMR59255; CVN-MIL-NMO					ON	
(i)	63259-0169			Cemetery Located at Emily Park Rd & Meadowview Road	No Information available.					PT E1/2 LT 12 CON 1 EMILY; KAWARTHA LAKES					ON	

INDIGENOUS[1] CONSULTATION

1. Enbridge Gas is committed to creating processes that support meaningful engagement with potentially affected Indigenous groups (First Nations and Métis). Enbridge Gas works to build an understanding of project related interests, ensure regulatory requirements are met, mitigate or avoid project-related impacts on Indigenous interests including rights, and provide mutually beneficial opportunities where possible.

2. Pursuant to the OEB's Guidelines, Enbridge Gas provided the Ontario Ministry of Energy ("MOE") with a description of the Project to determine if there are any duty to consult requirements and, if so, if the MOE would delegate the procedural aspects of the duty to consult to Enbridge Gas. This correspondence, dated June 22, 2021, is set out in Attachment 1 to this Exhibit.

3. Enbridge Gas received a letter ("Delegation Letter") from the MOE dated September 3, 2021, indicating that the MOE had delegated the procedural aspects of consultation to Enbridge Gas for the Project. The Delegation Letter identified five Indigenous communities to be consulted in relation to the Project. A copy of the Delegation Letter is provided in Attachment 2 to this Exhibit.

4. On June 12, 2023, Enbridge Gas provided a Project Update Letter to the MOE that described the changes made to the Project scope since the original leave to construct application was filed with the OEB on May 2, 2022. The Project Update Letter is provided at Attachment 3 to this Exhibit. /U

[1] Enbridge Gas has used the terms "Aboriginal" and "Indigenous" interchangeably in its application. "Indigenous" has the meaning assigned by the definition "aboriginal peoples of Canada" in subsection 35(2) of the *Constitution Act, 1982*.

5. This Indigenous Consultation Report ("ICR") was provided to the MOE on the date of this filing. The MOE will review Enbridge Gas's consultation with Indigenous groups potentially affected by the Project and provide its decision as to whether Enbridge Gas' consultation has been sufficient. Upon receipt of the MOE's decision regarding the sufficiency of Indigenous consultation on the Project, Enbridge Gas will file it with the OEB. The sufficiency letter provided by the MOE will be included as Attachment 4 to this Exhibit. /U

Indigenous Engagement Program Objectives

6. The design of the Indigenous engagement program was based on adherence to the OEB's Guidelines and Enbridge Inc.'s company-wide *Indigenous Peoples Policy* ("Policy") (set out in Attachment 5 to this Exhibit). The Policy lays out key principles for establishing relationships with Indigenous groups, Including recognizing the legal and constitutional rights possessed by Indigenous Peoples in Canada and the importance of the relationship between Indigenous Peoples and their traditional lands and resources. /U

7. Enbridge Gas strives to achieve meaningful relationships with Indigenous groups by providing timely exchanges of information, understanding and addressing Indigenous project-specific concerns, and ensuring ongoing dialogue regarding its projects, their potential impacts and benefits. Enbridge Gas aligns its interests with those of Indigenous communities through meaningful, direct Indigenous economic activity in projects corresponding to community capacity and project needs, where possible.

8. The Indigenous engagement program for the Project recognizes the rights of Indigenous groups and assists Enbridge Gas in engaging in meaningful dialogue

with potentially affected Indigenous groups to address any Project-related concerns and interests. It also assists Enbridge Gas in meeting the procedural aspects of consultation that may be required by the Crown and the OEB's Guidelines.

Overview of Indigenous Engagement Program Activities

9. Enbridge Gas conducts its Indigenous engagement generally through phone calls, in-person meetings, Project mail-outs, open houses and email communications. During these engagement activities, Enbridge Gas representatives will provide an overview of the Project, respond to questions and concerns, and address any interests or concerns expressed by Indigenous communities to appropriately avoid or mitigate any Project-related impacts on Aboriginal or treaty rights.

10. Capacity Funding is offered to ensure there are reasonable resources for Indigenous communities to meaningfully participate in consultation. In addition, Enbridge Gas discusses options to accommodate any potential adverse effects the Project may have on Aboriginal or treaty rights with Indigenous communities. In order to accurately document Indigenous engagement activities and ensure follow-up by either the Crown or Enbridge Gas, applicable supporting documents are tracked using a database.

Ongoing Indigenous Engagement Activities

11. Enbridge Gas will continue to actively engage all identified Indigenous groups in meaningful ongoing dialogue concerning the Project and endeavor to meet with each Indigenous group, provided they are willing, for the purpose of exchanging information regarding the Project and to respond to inquiries in a timely manner. Enbridge Gas will hear and address concerns as is feasible and seek information on the exercise of, and potential impacts to, Aboriginal or treaty rights, traditional

use in the Project area and how any potential Project-related impacts can be mitigated. During ongoing engagement activities, Enbridge Gas engages with the Crown to ensure they are kept apprised of rights assertions by communities.

12. Attachment 6 to this Exhibit contains a summary of Enbridge Gas's Indigenous engagement activities for the Project. Attachment 7 to this Exhibit contains the ICR and associated attachments for the Project. /U

13. The information presented in the Attachment 6 and Attachment 7 reflects Enbridge Gas's Indigenous engagement activities for the Project up to the date of this filing; however, Enbridge Gas will continue to engage throughout the life of the Project to ensure any impacts on Aboriginal or treaty rights are addressed, as appropriate. /U

June 22, 2021

VIA EMAIL – dan.delaquis@ontario.ca

Ministry of Energy, Northern Development and Mines
Dan Delaquis
Manager, Indigenous Energy Policy
Unit 77 Grenville St.
6th Floor
Toronto, ON
M7A 1B3

Dear Mr. Delaquis:

Re: Bobcaygeon Community Expansion Project Summary (CONFIDENTIAL)

The *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition, 2016* (the "Guidelines") issued by the Ontario Energy Board ("OEB") indicate that a project applicant shall provide the Ministry of Energy, Northern Development and Mines ("MENDM") with a description of projects in the planning process, such that the MENDM can determine if there are any Duty to Consult requirements.

The purpose of this letter is to inform the MENDM that Enbridge Gas Inc. ("Enbridge Gas") is planning to construct new natural gas pipelines and stations to provide services to the community of Bobcaygeon as well as other unserved areas of the City of Kawartha Lakes, including: Wispi Shore Road, Kings Wharf Road, Victoria Place, Falls Bay Road and Walmac Shores Road. Enbridge Gas's Bobcaygeon Community Expansion Project (the "Project") will require the construction of new natural gas pipelines to:

(i) reinforce existing systems upstream of the tie-in location;
(ii) transport natural gas supply from Omemee north to new distribution system pipelines in Bobcaygeon; and
(iii) distribute natural gas volumes to residential, commercial, and industrial customers in Bobcaygeon and subdivisions along the supply lateral in the City of Kawartha Lakes.

The proposed Project will be constructed within municipal boundaries where possible.[1] The Project will require Enbridge Gas to file a leave to construct application with the OEB. Enbridge Gas is therefore contacting the MENDM to determine whether the Project triggers any Duty to Consult and, if so, to acquire a list of Indigenous communities that have or may have constitutionally protected Aboriginal or Treaty rights that could be adversely impacted by the proposed Project.

Attachment 1 contains a confidential description of the Project's characteristics and its location for the MENDM's review and to assist it with its determination as to whether it will delegate the procedural aspects of the Duty to Consult to Enbridge Gas. While work on the Project is still in its early stages, Enbridge Gas would be pleased to discuss the Project with you should you have any questions.

[1] Traversing properties owned by the Ministry of Transportation ("MTO"), the community of Bobcaygeon and the City of Kawartha Lakes.

Enbridge Gas Distribution Inc. (“EGD”) previously submitted a project description to the MENDM (the Ministry of Energy at the time) for supply lateral and distribution system aspects of this Project and received notification of the Ministry’s delegation of the procedural aspects of consultation to EGD on June 28, 2017 (see Attachment 2). In its letter the Ministry identified nine communities that it determined should be consulted.

Regards,

Adam Stiers
Manager, Regulatory Applications – Leave to Construct

Attachment 1: Project Description

1.0 Project Summary

To provide access to gas distribution services to the community of Bobcaygeon and additional unserved areas within the City of Kawartha Lakes along the supply lateral Enbridge Gas Inc. ("Enbridge Gas") has identified the need to construct (the "Project"):

(a) a supply lateral composed of approximately 25 km of Nominal Pipe Size ("NPS") 6 inch, Extra High Pressure ("XHP") steel ("ST") natural gas pipeline and approximately 3 km of NPS 6 High Pressure Polyethylene ("HPPE");[2]
(b) three segments of reinforcement pipelines composed of approximately 13 km of NPS 6 XHP ST[3] and approximately 6 km of NPS 8 XHP ST[4] natural gas pipeline;
(c) Up to 80 km of polyethylene natural gas distribution pipelines ranging in size from NPS 1.25 to NPS 4; and
(d) 6 customer stations.

The proposed facilities are located predominantly within the City of Kawartha Lakes and a portion of the reinforcement is located within the Township of Cavan-Monaghan. The Project is proposed to be placed into-service in phases, with the supply lateral proposed to be placed into service by Q4 2024 and the distribution pipelines being placed into service beginning as early as 2026.

Figure 1 below shows the Study Area together with the preliminary preferred route being considered for the Project:

(a) The supply lateral will tie into an existing Enbridge Gas pipeline located in the region of Omemee and travel west on Peace Road from Cowans Bay Road, north on Centreline Road (County Road 10), east on Pigeon Lake Road (County Road 17), north along County Road 36, west along Duke Street and terminates at Main Street, in Bobcaygeon.
(b) The Project includes three segments of pipeline reinforcement in the vicinity of Janettville, Omemee and Mount Pleasant. Two segments are located south of the tie-in along Kings Highway 10 and continue just south of Mount Pleasant. The third segment is located along Highway 35 between Mt. Horeb Road and Bethany Hills Road.
(c) Distribution pipelines will be located in the community of Bobcaygeon and other unserved areas within the City of Kawartha Lakes along the supply lateral and, wherever possible will be located within existing road allowances.
(d) Six (6) stations will be installed along the preliminary preferred route of the supply lateral, at the following locations;
    i. Bobcaygeon District Station - Hwy 36 and Meadowlark Crescent (XHP to HPPE);

[2]

Proposed Locations	Approximate Latitude	Approximate Longitude
Start Point	44.341917	-78.543961
End Point	44.544732	-78.543775

[3]

Proposed Locations	Approximate Latitude	Approximate Longitude
Start Point	44.236263	-78.484651
End Point	44.342261	-78.540241

[4]

Proposed Locations	Approximate Latitude	Approximate Longitude
Start Point	44.198664	-78.670822
End Point	44.247557	-78.696091

ii. District Station - Wispi Shores Road and Pigeon Lake Road (XHP to HPPE);
iii. District Station - Kings Warf Road and Pigeon Lake Road (XHP to HPPE);
iv. District Station - Old Surrey Lane and Pigeon Lake Road (XHP to HPPE);
v. District Station - Falls Bay Road and Pigeon Lake Road (XHP to HPPE); and
vi. District Station - Walmac Shores Road and Pigeon Lake Road (XHP to HPPE).

An alternate route has been identified with the same start and end points as the preliminary preferred route but with a minor deviation turning eastward from Centreline Road along Traceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon Lake Road where it continues along the same path as the preliminary preferred route.

Where possible, the Project will be located within existing road allowances. Permanent easement and temporary working space and laydown areas may be required, the latter of which is necessary to facilitate the movement and storage of equipment necessary for construction. Enbridge Gas will work with regulators and landowners to identify and secure appropriate working space and easements as required.

Work to prepare an Environmental Report ("ER") for the Project has been initiated. The ER will examine the preliminary preferred and alternative routes and determine, from an environmental and socio-economic perspective, the preferred route for the Project. Engineering design is expected to be finalized during the permitting stage of the Project.

2.0 Environmental Report, Authorizations and Approvals Required

An ER for the Project will be prepared in accordance with the Ontario Energy Board's ("OEB") *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines in Ontario, 7th Edition, 2016* (the "Guidelines"), with support provided by consultant archaeologists, cultural heritage specialists, and environmental professionals.[5] The ER will identify the potential authorizations required. The ER for this Project is anticipated to be completed and submitted to the OEB as early as November 2021. Enbridge Gas's preliminary work on the Project has identified the following potential required authorizations:

Federal:
- Fisheries and Oceans Canada;
- Environment and Climate Change Canada; and
- Parks Canada.

Provincial:
- Ontario Energy Board;
- Infrastructure Ontario;
- Ministry of Transportation;
- Ministry of Heritage, Sports, Tourism and Culture Industries ("MHSTCI");

[5] The ER will: (i) describe proposed Project works; (ii) identify route options and an environmentally preferred route; (iii) describe construction procedures; (iv) identify potential environmental impacts and recommend mitigation measures; (v) and describe consultation opportunities. An archaeological assessment will be conducted by a licensed archaeologist in accordance with MHSTCI guidelines to identify archaeological resources in the Project area and to develop appropriate mitigation plans, as required. A heritage specialist will review the running line for potential cultural heritage landscapes and built heritage resources and will develop appropriate mitigation plans, as required. A qualified biologist will review the running line for potential species at risk that will be impacted by construction activities and will develop appropriate mitigation plans, as required.

- Ministry of Environment, Conservation and Parks;
- Ministry of Indigenous Affairs;
- Ministry of Natural Resources and Forestry;
- Hydro One;
- Ministry of Economic Development, Employment and Infrastructure;
- Kawartha Conservation Authority; and
- Otonabee Conservation Authority.

Municipal:
- Municipality of Kawartha Lakes; and
- Township of Cavan-Monaghan.

Other:
- Indigenous engagement; and
- Landowner agreements.

Other authorizations, notifications, permits and/or approvals may be required in addition to those identified above.

3.0 Project Activities

Planning activities for the Project commenced in 2017 and continue today in preparation for the commencement of construction in 2023. Pursuant to the Guidelines, an ER will be prepared and geotechnical and archaeological studies will be completed. The design process involves the selection of a specific running line location, appropriate materials, the selection of valves/fittings and location(s) for trenchless drilling activities. Information obtained from the geotechnical analysis, subsurface utility engineering and soil sampling is typically used to inform pipeline design.

Engineered drawings will be produced with the final design and issued to local municipalities and other regulators for approval. Once all approvals are obtained, final engineered drawings will be prepared for construction.

All facilities will be installed using Enbridge Gas's standard construction practices which may include grading the site, digging a trench, installing the welded pipeline in the trench, testing the pipeline, and restoring the area to its original condition. Normal depth of ground cover over the pipeline will be 0.9 to 1.2 metres. However, the pipeline may be installed at a greater depth to provide additional protection in areas where it crosses underneath existing infrastructure and other sensitive environmental and/or socio-economic features.

4.0 Potential Environmental Effects and Mitigation Measures

The areas in which the Project is to be constructed are within the City of Kawartha Lakes near the community of Bobcaygeon and within the Township of Cavan-Monaghan. Where possible, the Project will be constructed in previously disturbed corridors. It is expected that the majority of adverse environmental and/or socio-economic effects will be construction related. These effects are expected to be temporary and transitory. The Project will also be underground once construction is complete, further limiting the potential for any long-term effects.

Mitigation measures recommended in the ER will be followed in conjunction with Enbridge Gas's Construction and Maintenance standards. In addition, Enbridge Gas will use professional

judgement, past experience, industry best practices and any additional feedback received through the consultation process when constructing the Project.

5.0 Project Benefits

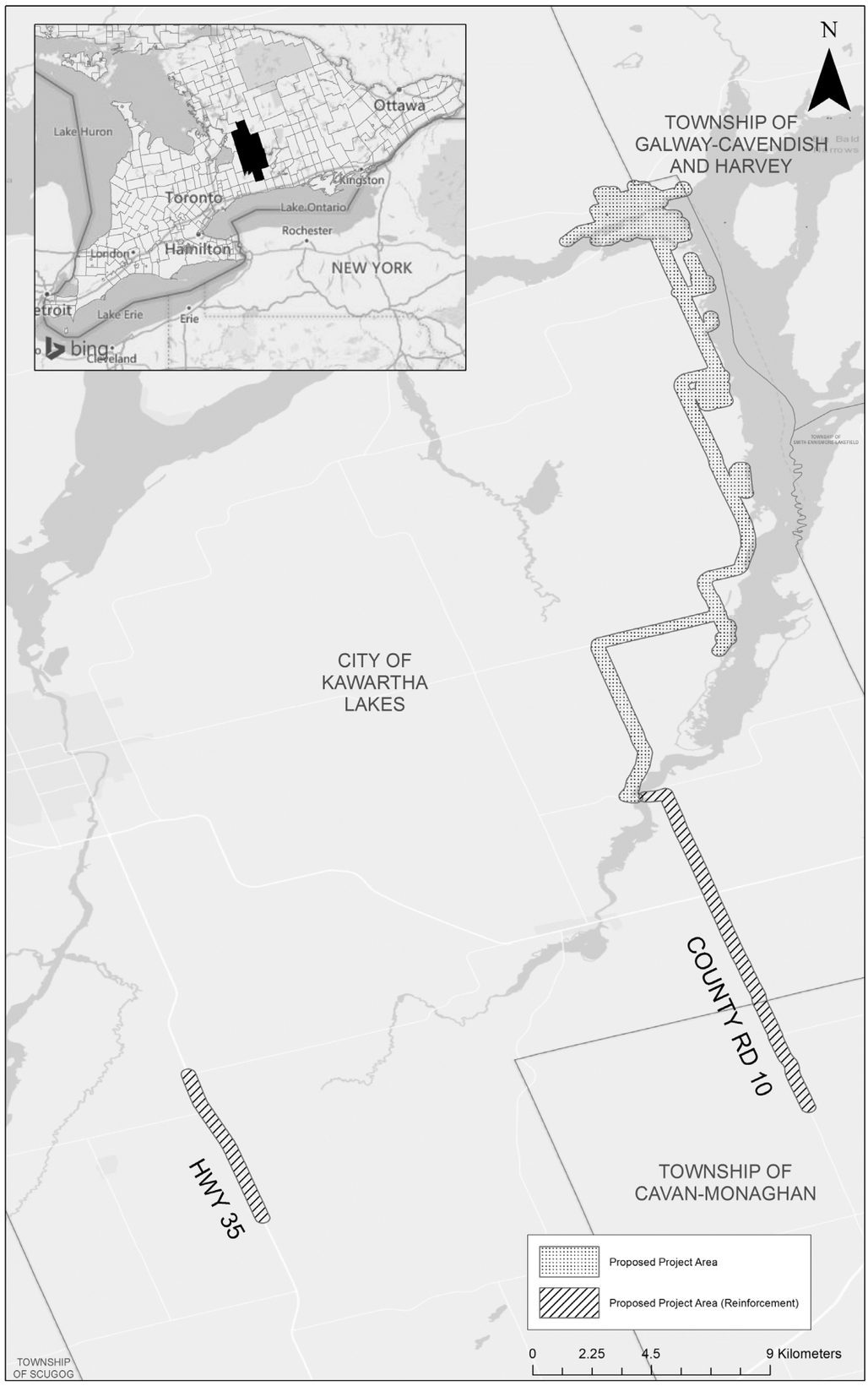
The Project will provide residents, businesses and industry located in the community of Bobcaygeon and other unserved areas of the City of Kawartha Lakes with access to safe, reliable and affordable natural gas distribution services.

6.0 Contact Information

Regulatory Applications:
Adam Stiers
AStiers@enbridge.com
Office: (519) 436-4558
Cell: (519) 350-5196

Community & Indigenous Engagement:
Melanie Book
melanie.book@enbridge.com
Office: (613) 355-6561

Figure 1: Project Area



Ministry of Energy

77 Grenville Street
6th Floor
Toronto ON M7A 2C1

Ministère de l'Énergie

77, rue Grenville
6e étage
Toronto ON M7A 2C1

Ontario

VIA EMAIL

September 3, 2021

Adam Stiers
Manager, Regulatory Applications – Leave to Construct
Enbridge Gas Inc.
500 Consumers Road,
North York, ON M2J 1P8

Re: Bobcaygeon Community Expansion Project

Dear Adam Stiers:

Thank you for your email, dated June 22, 2021, notifying the Ministry of Energy (Energy) of Enbridge Gas' (Enbridge) intention to apply to the Ontario Energy Board (OEB) for Leave to Construct for the Bobcaygeon Community Expansion Project (the Project).

I understand that Enbridge is planning to construct new natural gas pipelines and stations to provide services to the community of Bobcaygeon as well as other unserved areas of the City of Kawartha Lakes.

On behalf of the Government of Ontario (the Crown), Energy has reviewed the information provided by Enbridge with respect to the Project and assessed it against the Crown's current understanding of the interests and rights of Aboriginal communities who hold or claim Aboriginal or treaty rights protected under Section 35 of Canada's Constitution Act 1982 (Indigenous Communities) in the area. In doing so, Energy has determined that the Project may have the potential to affect such Indigenous communities.

The Crown has a constitutional duty to consult and, where appropriate, accommodate Indigenous communities when the Crown contemplates conduct that might adversely impact established or asserted Aboriginal or treaty rights. These consultations are in addition to consultation imposed by statute.

While the legal responsibility to meet the duty to consult lies with the Crown, the Crown may delegate the day-to-day, procedural aspects of consultation to project proponents. Such a delegation by the Crown to proponents is routine practice for Energy.

I am writing to advise you that on behalf of the Crown, Energy is delegating the procedural aspects of consultation in respect of the Project to Enbridge through this letter. Energy expects that Enbridge will undertake the procedural aspects of consultation with respect

to any regulated requirements for the proposed Project. The Crown will fulfill the substantive aspects of consultation and retain oversight over all aspects of the process for fulfilling the Crown's duty.

Please see the appendix for information on the roles and responsibilities of both the Crown and the Proponent.

Based on the Crown's assessment of First Nation and Métis community rights and potential project impacts, the following Indigenous communities should be consulted on the basis that they have or may have constitutionally protected Aboriginal or treaty rights that may be adversely affected by the Project.

Community	Mailing Address
Alderville First Nation*	P.O. Box 46 Roseneath ON K0K 2X0 T: (905) 352-2011 F: (905) 352-3242 consultation@alderville.ca
Beausoleil First Nation*	General Delivery Cedar Point ON L0K 1C0 T: (705) 247-2051 F: (705) 247-2239 info@chimnissing.ca
Curve Lake First Nation*	General Delivery Curve Lake ON K0L 1R0 T: (705) 657-8045, ext. 209 F: (705) 657-8708 juliek@curvelake.ca
Chippewas of Georgina Island*	R.R. #2, P.O. Box N-13 Sutton West ON L0E 1R0 T: (705) 437-1337 F: (705) 437-4597 natasha.charles@georginaisland.com
Chippewas of Rama First Nation*	200-5884 Rama Road Rama ON L3V 6H6 T: (705) 325-3611 F: (705) 325-0879 shardayj@ramafirstnation.ca
Hiawatha First Nation*	123 Paudash Street, R.R. #2 Keene ON K0L 2G0 T: (705) 295-4421 F: N/A tcowie@hiawathafn.ca
Mississaugas of Scugog Island*	22521 Island Road Port Perry ON L9L 1B6 T: (905) 985-3337 F: N/A ckennedy@scugogfirstnation.com

Kawartha Nishnawbe	P.O. Box 1432 Lakefield ON K0L 2H0 T: (705) 654-4661 F: N/A kawarthanishnawbecouncil@outlook.com
Huron-Wendat Nation**	255, place Chef Michel Laveau Wendake QC G0A 4V0 T: (418) 843-3767 F: (418) 842-1108 maxime.picard@cnhw.qc.ca

Notes:

* It is standard practice to copy Karry Sandy McKenzie, Williams Treaties First Nations Process Coordinator, on correspondence to the identified Williams Treaties First Nations identified above (inquiries@williamstreatiesfirstnations.ca).
** Interests are specific to archeological resources.

This rights-based consultation list is based on information that is subject to change. Consultation is ongoing throughout the duration of the project, including project development and design, consultation, approvals, construction, operation and decommissioning. First Nation and Métis communities may make new rights assertions at any time, and further project related developments can occur that may require additional First Nation and/or Métis communities to be notified and/or consulted.

If you become aware of potential rights impacts on Indigenous communities that are not listed above at any stage of project, please bring this to the attention of Energy with any supporting information regarding the claim at your earliest convenience.

Acknowledgement

By accepting this letter, the Proponent acknowledges this Crown delegation and the procedural consultation responsibilities enumerated in the appendix. If you have any questions about this request, you may contact Rosalind Ashe, Senior Advisor, Indigenous Energy Policy (Rosalind.Ashe@ontario.ca or (437) 239-6154).

I trust that this information provides clarity and direction regarding the respective roles of the Crown and Enbridge. If you have any questions about this letter or require any additional information, please contact me directly.

Sincerely,



Dan Delaquis
Manager, Indigenous Energy Policy

C: Ontario Pipeline Coordinating Committee (OPCC)

APPENDIX: PROCEDURAL CONSULTATION

Roles and Responsibilities Delegated to the Proponent

On behalf of the Crown, please be advised that your responsibilities as Project Proponent for this Project include:

- providing notice and information about the Project to Indigenous communities, with sufficient detail and at a stage in the process that allows the communities to prepare their views on the Project and, if appropriate, for changes to be made to the Project. This can include:
    - accurate, complete and plain language information including a detailed description of the nature and scope of the Project and translations into Aboriginal languages where appropriate;
    - maps of the Project location and any other affected area(s);
    - information about the potential negative effects of the Project on the environment, including their severity, geographic scope and likely duration. This can include, but is not limited to, effects on ecologically sensitive areas, water bodies, wetlands, forests or the habitat of species at risk and habitat corridors;
    - a description of other provincial or federal approvals that may be required for the Project to proceed;
    - whether the Project is on privately owned or Crown controlled land;
    - any information the Proponent may have on the potential effects of the Project, including particularly any likely adverse impacts on established or asserted Aboriginal or treaty rights;
    - a written request asking the Indigenous community to provide in writing or through a face-to-face meeting:
        - any information available to them that should be considered when preparing the Project documentation;
        - any information the community may have about any potential adverse impacts on their Aboriginal or treaty rights; and
        - any suggested measures for avoiding, minimizing or mitigating potential adverse impacts;

        - information about how information provided by the Indigenous community as part of the consultation process will be collected, stored, used, and shared for their approval;

    - identification of any mechanisms that will be applied to avoid, minimize or mitigate potential adverse impacts;

    - identification of a requested timeline for response from the community and the anticipated timeline for meeting Project milestones following each notification;

    - an indication of the Proponent's availability to discuss the process and provide further information about the Project;

    - the Proponent's contact information; and

    - any additional information that might be helpful to the community;

- following up, as necessary, with Indigenous communities to ensure they received Project notices and information and are aware of the opportunity to comment, raise questions or concerns and identify potential adverse impacts on their established or asserted rights;

- gathering information about how the Project may adversely affect Aboriginal or treaty rights;

- bearing the reasonable costs associated with the procedural aspects of consultation (paying for meeting costs, making technical support available, etc.) and considering reasonable requests by communities for capacity funding to assist in participating in the consultation process;

- considering and responding to comments and concerns raised by Indigenous communities and answering questions about the Project and its potential impacts on Aboriginal or treaty rights;

- as appropriate, discussing and implementing changes to the Project in response to concerns raised by Indigenous communities. This could include modifying the Project to avoid or minimize an impact on an Aboriginal or treaty right (e.g. altering the season when construction will occur to avoid interference with mating or migratory patterns of wildlife); and

- informing Indigenous communities about how their concerns were taken into consideration and whether the Project proposal was altered in response. It is considered a best practice to provide the Indigenous community with a copy of the consultation record as part of this step for verification.

If you are unclear about the nature of a concern raised by an Indigenous community, you should seek clarification and further details from the community, provide

opportunities to listen to community concerns and discuss options, and clarify any issues that fall outside the scope of the consultation process. These steps should be taken to ensure that the consultation process is meaningful and that concerns are heard and, where possible, addressed.

You can also seek guidance from the Crown at any time. It is recommended that you contact the Crown if you are unsure about how to deal with a concern raised by an Indigenous community, particularly if the concern relates to a potential adverse impact on established or asserted Aboriginal or treaty rights.

The consultation process must maintain sufficient flexibility to respond to new information, and we request that you make all reasonable efforts to build positive relationships with all Indigenous communities potentially affected by the Project. If a community is unresponsive to efforts to notify and consult, you should nonetheless make attempts to update the community on the progress of the Project, the environmental assessment (if applicable) and other regulatory approvals.

If you reach a business arrangement with an Indigenous community that may affect or relate to the Crown's duty to consult, we ask that that Crown be advised of those aspects of such an arrangement that may relate to or affect the Crown's consultation obligations, and that the community itself be apprised of the Proponent's intent to so-apprise the Crown. Whether or not any such business arrangements may be reached with any community, the Crown expects the Proponent to fulfill all of its delegated procedural consultation responsibilities to the satisfaction of the Crown.

If the Crown considers that there are outstanding issues related to consultation, the Crown may directly undertake additional consultation with Indigenous communities, which could result in delays to the Project. The Crown reserves the right to provide further instructions or add communities throughout the consultation process.

Roles and responsibilities assumed directly by the Crown

The role of the Crown in fulfilling any duty to consult and accommodate in relation to this Project includes:

- identifying for the Proponent, and updating as appropriate, the Indigenous communities to consult for the purposes of fulfillment of the Crown duty;
- carrying out, from time to time, any necessary assessment of the extent of consultation or, where appropriate, accommodation, required for the project to proceed;
- supervising the aspects of the consultation process delegated to the Proponent;
- determining in the course of Project approvals whether the consultation of Indigenous communities was sufficient;

- determining in the course of Project approvals whether accommodation of Indigenous communities, if required, is appropriate and sufficient.

Consultation Record

It is important to ensure that all consultation activities undertaken with Indigenous communities are fully documented. This includes all attempts to notify or consult the community, all interactions with and feedback from the community, and all efforts to respond to community concerns. Crown regulators require a complete consultation record in order to assess whether Aboriginal consultation and any necessary accommodation is sufficient for the Project to receive Ontario government approvals. The consultation record should include, but not be limited to, the following:

- a list of the identified Indigenous communities that were contacted;

- evidence that notices and Project information were distributed to, and received by, the Indigenous communities (via courier slips, follow up phone calls, etc.). Where a community has been non-responsive to multiple efforts to contact the community, a record of such multiple attempts and the responses or lack thereof.

- a written summary of consultations with Indigenous communities and appended documentation such as copies of notices, any meeting summaries or notes including where the meeting took place and who attended, and any other correspondence (e.g., letters and electronic communications sent and received, dates and records of all phone calls);

- responses and information provided by Indigenous communities during the consultation process. This includes information on Aboriginal or treaty rights, traditional lands, claims, or cultural heritage features and information on potential adverse impacts on such Aboriginal or treaty rights and measures for avoiding, minimizing or mitigating potential adverse impacts to those rights; and

- a summary of the rights/concerns, and potential adverse impacts on Aboriginal or treaty rights or on sites of cultural significance (e.g. burial grounds, archaeological sites), identified by Indigenous communities; how comments or concerns were considered or addressed; and any changes to the Project as a result of consultation, such as:

    - changing the Project scope or design;

    - changing the timing of proposed activities;

    - minimizing or altering the site footprint or location of the proposed activity;

    - avoiding impacts to the Aboriginal interest;

- environmental monitoring; and
- other mitigation strategies.

As part of its oversight role, the Crown may, at any time during the consultation and approvals stage of the Project, request records from the Proponent relating to consultations with Indigenous communities. Any records provided to the Crown will be subject to the *Freedom of Information and Protection of Privacy Act,* however may be exempted from disclosure under section 15.1 (Relations with Aboriginal communities) of the Act. Additionally, please note that the information provided to the Crown may also be subject to disclosure where required under any other applicable laws.

The contents of what will make up the consultation record should be shared at the onset with the Indigenous communities consulted with and their permission should be obtained. It is considered a best practice to share the record with the Indigenous community prior to finalizing it to ensure it is a robust and accurate record of the consultation process.

ENBRIDGE

Evan Tomek
Advisor
Regulatory Applications – Leave to Construct
Regulatory Affairs

Tel: (519) 436-4600 x5003441
Evan.Tomek@enbridge.com
EGIRegulatoryProceedings@enbridge.com

Enbridge Gas Inc.
P.O. Box 2001
50 Keil Drive N.
Chatham, Ontario, N7M 5M1
Canada

June 12, 2023

VIA EMAIL – amy.gibson@ontario.ca

Ministry of Energy
Amy Gibson
Manager, Indigenous Energy Policy

Re: Bobcaygeon Community Expansion Project Update

Dear Ms. Gibson,

On June 22, 2021, Enbridge Gas Inc. ("Enbridge Gas" or the "Company") notified the Ministry of Energy ("ENERGY")[1] via letter of its expected need to apply to the Ontario Energy Board for an Order of the Board granting leave to construct the proposed Bobcaygeon Community Expansion Project (the "Project"). Enbridge Gas also submitted a description of the Project ("Project Description") to assist ENERGY in making a determination as to whether or not the Project will trigger duty to consult, and if so, to acquire a list of potentially affected Indigenous communities.

In response, on September 3, 2021, ENERGY issued a letter to Enbridge Gas confirming that the Project triggers duty to consult, delegating the procedural aspects of consultation related to the Project to the Company, and providing a list of the Indigenous communities that should be consulted on the basis that they have or may have constitutionally protected Aboriginal or Treaty rights that could be adversely impacted by the proposed Project.

As described in the June 22, 2021 Project Description, the Project was proposed to consist of the following:

(a) A supply lateral composed of approximately 25 km of Nominal Pipe Size ("NPS") 6-inch, Extra High Pressure ("XHP") steel ("ST") natural gas pipeline and approximately 3 km of NPS 6-inch High Pressure Polyethylene ("HPPE");

(b) Three segments of reinforcement pipelines composed of approximately 13 km of NPS 6-inch XHP ST and approximately 6 km of NPS 8-inch XHP ST natural gas pipeline;

(c) Up to 80 km of polyethylene natural gas distribution pipelines ranging in size from NPS 1.25-inch to NPS 4-inch; and

(d) 6 customer stations.

[1] The Ministry of Energy, Northern Development and Mines coordinated the Crown's Duty to Consult obligations for projects that required leave to construct in June 2021.

On May 2, 2022 Enbridge Gas applied to the OEB pursuant to section 90(1) of the Ontario Energy Board Act, S.O. 1998, c. 15, Schedule B, for an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities for which the Company sought OEB approval consisted of:

(i) A Supply Lateral

- Approximately 25 km of NPS 6-inch XHP ST natural gas distribution pipeline.
- Approximately 2 km of NPS 6-inch HPPE natural gas distribution pipeline.
- Approximately 1 km of NPS 6-inch high pressure ("HP") ST natural gas distribution pipeline.

(ii) Eastern Reinforcement

- Approximately 13 km of NPS 6-inch XHP ST natural gas pipeline.

Enbridge Gas subsequently filed three requests for abeyance of the aforementioned application on July 5, 2022, October 31, 2022, and February 28, 2023, in order to update and interpret the results of the market analysis and surveys for the Project to provide an appropriate basis for the customer attachment forecasts filed in support of the application. The OEB confirmed on March 3, 2023, that they will continue to hold the application in abeyance until June 30, 2023.

The purpose of this letter is to inform you that Enbridge Gas is proposing to file an updated application with the OEB no later than June 30, 2023, seeking an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities for which the Company is seeking OEB approval consists of the aforementioned Supply Lateral and Eastern Reinforcement[2]; however, the Eastern Reinforcement has since been reduced to approximately 8 km of NPS 6-inch XHP ST natural gas pipeline. There is no change to the Supply Lateral.

Enbridge Gas continues to engage with the communities identified by ENERGY in the September 3, 2021 Delegation Letter regarding the Project and will continue to do so throughout the life of the revised Project (despite the change in scope described above) to ensure any impacts on Aboriginal or treaty rights are addressed, as appropriate. Accordingly, on May 3, 2023, Enbridge Gas informed the communities identified in ENERGY's Delegation Letter of the changes to Project scope and its intent to file an amended application.

[2] The "Eastern Reinforcement" will now be referred to as "Reinforcement" moving forward.

Regards,

Evan Tomek

Digitally signed by Evan Tomek
Date: 2023.06.12 11:02:28 -04'00'

Evan Tomek
Advisor, Regulatory Applications – Leave to Construct

Ministry of Energy

Energy Networks and Indigenous Policy Branch

Indigenous Energy Policy

77 Grenville Street, 6th Floor
Toronto, ON M7A 67C
Tel: (416) 315-8641

Ministère de l'Énergie

Direction Générale des Réseaux Énergétiques et des Politiques Autochtones

Politique Énergétique Autochtones

77 Rue Grenville, 6e Étage
Toronto, ON M7A 67C
Tel: (416) 315-8641

April 9, 2024 VIA EMAIL

Evan Tomek
Enbridge Gas Incorporated
P. O. Box 2001
50 Keil Drive North
Chatham, ON N7M 5M1

Re: Letter of Opinion – Bobcaygeon Community Expansion Project

Dear Evan Tomek,

The Ontario Ministry of Energy (ENERGY) has completed its review of Enbridge Gas Inc.'s (Enbridge) Indigenous consultation record for the Bobcaygeon Community Expansion Project.

ENERGY has reviewed the information provided by Enbridge as well as relevant materials filed with the Ontario Energy Board (OEB). ENERGY also reached out to the Indigenous communities identified as being owed consultation on the project to understand any concerns about possible impacts to Aboriginal and treaty rights from the project, as well as community feedback about satisfaction with Enbridge's responses to any concerns raised or proposed mitigation, where appropriate.

This letter is to notify you that based on this review of materials and our outreach to Indigenous communities, ENERGY is of the opinion that the procedural aspects of consultation undertaken by Enbridge to date for the purposes of the OEB's Leave to Construct process for the Bobcaygeon Community Expansion Project are satisfactory.

It is expected that Enbridge will continue its engagement activities with the communities throughout the life of the project as needed, and that Enbridge will notify ENERGY should any additional rights-based concerns/issues arise.

If you have any questions about this letter or require any additional information, please contact me at 416-315-8641 or amy.gibson@ontario.ca.

Sincerely,

Amy Gibson
Manager, Indigenous Energy Policy

c: Ontario Energy Board - Ontario Pipeline Coordinating Committee

Enbridge Inc. Indigenous Peoples Policy

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August 2022

Enbridge Indigenous Peoples Policy

Purpose: Enbridge recognizes the diversity of Indigenous peoples[1] who live where we work and operate. We understand that certain laws and policies—in both Canada and the United States—have had destructive impacts on Indigenous cultures, languages, and the social and economic well-being of Indigenous peoples. Enbridge recognizes the importance of reconciliation between Indigenous peoples and broader society. We are committed to building positive and sustainable relationships with Indigenous peoples, based on trust and respect, and focused on finding common goals through open dialogue.

Enbridge believes: Companies can play a role in advancing reconciliation through meaningful engagement with and inclusion of Indigenous peoples and perspectives in their business activities.

Policy: As an energy infrastructure company whose operations span Treaty and Tribal lands, the National Métis Homeland, unceded lands and the traditional territories of Indigenous groups[2] across North America, Enbridge is deeply committed to advancing reconciliation with Indigenous peoples. Our mutual success depends on the ability to build long-term, respectful and constructive relationships with Indigenous groups near Enbridge's projects and operations throughout the lifecycle of our activities. To achieve this, Enbridge will govern itself by the following principles:

Respect for Indigenous rights and knowledge

- We recognize the importance of the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP) in the context of existing Canadian law, and the legal and constitutional obligations that governments in both Canada and the United States have to protect those rights.
- We recognize the legal and constitutional rights possessed by Indigenous peoples in Canada and in the Unites States, and the importance of the relationship between Indigenous peoples and their traditional lands and resources. We commit to working with Indigenous communities in a manner that recognizes and respects those legal and constitutional rights and the traditional lands and resources to which they apply, and we commit to ensuring that our projects and operations are carried out in an environmentally responsible manner.
- Consistent with Enbridge's respect for the rights of Indigenous peoples, we engage early and sincerely through processes that aim to achieve the support and agreement of Indigenous nations and governments for our projects and operations that may occur on their traditional lands.
- We seek the input and knowledge of Indigenous groups to identify and develop appropriate measures to avoid and/or mitigate the impacts of our projects and operations that may occur on their traditional lands.

[1] In Canada, Indigenous peoples has the meaning assigned by the definition *aboriginal peoples of Canada* in subsection 35(2) of the *Constitution Act*, 1982, which includes First Nations, Métis and Inuit Peoples. In the United States, Enbridge refers to Indigenous peoples as all descendants of people inhabiting land within the current exterior boundaries of the United States prior to the continent being inhabited by European settlers, including all U.S. federally recognized tribes.

[2] The collective term "Indigenous groups" is used in this Policy when referring to Enbridge's engagement with Indigenous nations, governments or groups in Canada, and/or Native American Tribes and Tribal associations in the United States about Enbridge's projects and operations. Enbridge has the utmost respect for the unique rights and individual names of Indigenous groups across North America. This collective term is used solely for the purpose of readability of the policy.

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Promoting equity and inclusion

- Recognizing the need to eliminate the significant socioeconomic barriers that continue to prevent Indigenous peoples from fully participating in the North American economy, Enbridge works with Indigenous peoples to ensure they have opportunities to be included in socioeconomic benefits resulting from our projects and operations. These may include partnerships and opportunities in training and education, employment, procurement, equity participation, business development and community development.
- We are committed to increasing Indigenous representation in Enbridge's workforce and supplier community.

Fostering awareness through education

- We are building—and will continue to ensure—a foundational understanding of the rights, history and cultures of Indigenous peoples through Indigenous awareness training for all Enbridge employees, with the aim of advancing reconciliation with Indigenous peoples

Enbridge will provide ongoing leadership and resources to ensure the effective implementation of the above principles, including the development of implementation strategies and specific action plans, and report its Indigenous reconciliation efforts—including engagement and inclusion outcomes—through its annual Sustainability Report.

This Policy is a shared responsibility involving Enbridge and its affiliates, employees and contractors, and we will conduct business in a manner that reflects the above principles. We will work with our contractors, joint venture partners and others to support consistency with this policy. Enbridge commits to periodically reviewing this policy to ensure it remains relevant and meets changing expectations.

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INDIGENOUS CONSULTATION REPORT: SUMMARY TABLE

As of May 3, 2023

Alderville First Nation (AFN)		
Was project information provided to the community?	☒ Yes ☐ No	Enbridge Gas has provided AFN with the following information: • A detailed description of the nature and initial scope of the Project. This included a list of other provincial or federal approvals that may be required for the Project to proceed. • Maps of the Project location. • Letter containing information on the Virtual Open House. • Stage 1 Archaeological Assessment (AA). • Stage 2 AA field work dates. • Ecological Land Classification (ELC) Memorandum. • Environmental Report, providing information about the potential effects of the Project on the Environment. • Notice of Project Amendment Enbridge Gas requested community feedback, including any suggestions or proposals on mitigating, avoiding or accommodating any potential impacts the Project may have on Aboriginal or treaty rights. Capacity funding has been offered to support activities such as timely technical reviews of documents, participation in field work associated with the proposed Project, and to engage in meaningful consultation.
Was the community responsive/did you have direct contact with the community?	☒ Yes ☐ No	Enbridge Gas and an AFN representative have exchanged emails and had a telephone call regarding the Project.
Did the community members or representatives have any questions or concerns?	☐ Yes ☒ No	AFN has not raised any questions or concerns regarding the Project. An AFN representative indicated that, due to the fact that they are not signatories to Treaty 20, AFN would not be providing comment.
Does the community have any outstanding concerns?	☐ Yes ☒ No	As of May 3, 2023, AFN has not identified any outstanding concerns regarding the Project. Enbridge Gas will continue to engage with the community in relation to the Project.
Beausoleil First Nation (BFN)		

Was project information provided to the community?	☒ Yes ☐ No	Enbridge Gas has provided BFN with the following information: • A detailed description of the nature and initial scope of the Project. This included a list of other provincial or federal approvals that may be required for the Project to proceed. • Maps of the Project location. • Letter containing information on the Virtual Open House. • Stage 1 AA. • Stage 2 AA field work dates. • ELC Memorandum. • Environmental Report, providing information about the potential effects of the Project on the Environment. • Notice of Project Amendment. Enbridge Gas requested community feedback, including any suggestions or proposals on mitigating, avoiding or accommodating any potential impacts the Project may have on Aboriginal or treaty rights. Capacity funding has been offered to support activities such as timely technical reviews of documents, participation in field work associated with the proposed Project, and to engage in meaningful consultation.
Was the community responsive/did you have direct contact with the community?	☒ Yes ☐ No	Enbridge Gas and BFN have exchanged emails regarding the Project. BFN has not raised any questions or concerns regarding the Project.
Did the community members or representatives have any questions or concerns?	☐ Yes ☒ No	To date, BFN has not raised any questions or concerns regarding the Project.
Does the community have any outstanding concerns?	☐ Yes ☒ No	As of May 3, 2023, BFN has not identified any outstanding concerns regarding the Project. Enbridge Gas will continue to engage with the community in relation to the Project.
Chippewas of Georgina Island First Nation (CGIFN)		

Was project information provided to the community?	☒ Yes ☐ No	Enbridge Gas has provided CGIFN with the following information: • A detailed description of the nature and initial scope of the Project. This included a list of other provincial or federal approvals that may be required for the Project to proceed. • Maps of the Project location. • Letter containing information on the Virtual Open House. • Stage 1 AA. • Stage 2 AA field work dates. • ELC Memorandum. • Environmental Report, providing information about the potential effects of the Project on the Environment. • Notice of Project Amendment Enbridge Gas requested community feedback, including any suggestions or proposals on mitigating, avoiding or accommodating any potential impacts the Project may have on Aboriginal or treaty rights. Capacity funding has been offered to support activities such as timely technical reviews of documents, participation in field work associated with the proposed Project, and to engage in meaningful consultation.
Was the community responsive/did you have direct contact with the community?	☒ Yes ☐ No	Enbridge Gas and an CGIFN representative have exchanged emails regarding the Project.
Did the community members or representatives have any questions or concerns?	☐ Yes ☒ No	CGIFN has not reached out to raise any questions or concerns regarding the Project. Enbridge Gas will continue to engage with the community in relation to the Project
Does the community have any outstanding concerns?	☐ Yes ☒ No	As of May 3, 2023, CGIFN has not identified any outstanding concerns regarding the Project. Enbridge Gas will continue to engage with the community in relation to the Project.

Chippewas of Rama First Nation (CRFN)		
Was project information provided to the community?	☒ Yes ☐ No	Enbridge Gas has provided CRFN with the following information: • A detailed description of the nature and initial scope of the Project. This included a list of other provincial or federal approvals that may be required for the Project to proceed. • Maps of the Project location. • Letter containing information on the Virtual Open House. • Stage 1 AA. • Stage 2 AA field work dates. • ELC Memorandum. • Environmental Report, providing information about the potential effects of the Project on the Environment. • Notice of Project Amendment. Enbridge Gas requested community feedback, including any suggestions or proposals on mitigating, avoiding or accommodating any potential impacts the Project may have on Aboriginal or treaty rights. Capacity funding has been offered to support activities such as timely technical reviews of documents, participation in field work associated with the proposed Project, and to engage in meaningful consultation.
Was the community responsive/did you have direct contact with the community?	☒ Yes ☐ No	Enbridge Gas and a CRFN representative have exchanged emails regarding the Project.
Did the community members or representatives have any questions or concerns?	☒ Yes ☐ No	On January 7, 2022, a CRFN representative provided comments on the Project Environment Report. The CRFN representative asked about impacts to at-risk tree species identified on site and how the work crew would identify the species for reporting. Please see line-item attachment 4.7 in Attachment 6 to Exhibit H. Enbridge Gas provided a response to these comments on January 10, 2022, which included information regarding applicable mitigation measures and training. Please see line-item attachment 4.8 in Attachment 6 to Exhibit H for details of Enbridge Gas' response.888

Does the community have any outstanding concerns?	☐ Yes ☒ No	As of May 3, 2023, CRFN has not identified any outstanding concerns regarding the Project. Enbridge Gas will continue to engage with the community in relation to the Project.
Curve Lake First Nation (CLFN)		
Was project information provided to the community?	☒ Yes ☐ No	Enbridge Gas has provided CLFN with the following information: • A detailed description of the nature and initial scope of the Project. This included a list of other provincial or federal approvals that may be required for the Project to proceed. • Maps of the Project location. • Letter containing information on the Virtual Open House. • Stage 1 AA. • Stage 2 AA field work dates. • ELC Memorandum. • Environmental Report, providing information about the potential effects of the Project on the Environment. • Notice of Project Amendment. Enbridge Gas requested community feedback, including any suggestions or proposals on mitigating, avoiding or accommodating any potential impacts the Project may have on Aboriginal or treaty rights. Capacity funding has been offered to support activities such as timely technical reviews of documents, participation in field work associated with the proposed Project, and to engage in meaningful consultation.
Was the community responsive/did you have direct contact with the community?	☒ Yes ☐ No	Enbridge Gas and CLFN representatives have exchanged emails about the Project and have also discussed the Project via a phone call as well as virtual and in person meetings.
Did the community members or representatives have any questions or concerns?	☒ Yes ☐ No	CLFN representatives provided a number of written comments on the Project, including comments on the Environmental Report and the Ecological Land Classification. CLFN's comments included statements and questions regarding the importance and protection of water resources and wetlands (with reference to asserted Michi Saagig water rights), lands, fish and fish habitat (e.g., baitfish), wildlife (e.g., deer populations), amphibians (e.g., bullfrog and green frog), plants

		(e.g., hardwood stands, black ash), endangered/rare species (e.g., Blanding's Turtle), archaeological and burial sites, and cultural keystone species. The comments also included statements and questions about associated mitigation measures, the AA process and monitoring plans. The CLFN comments emphasized the importance of Indigenous knowledge, perspectives and input. Please see line-item attachments 5.3, 5.23 and 5.57 in Attachment 6 to Exhibit H for details of CLFN's comments. Enbridge Gas provided detailed written responses to each set of CLFN comments, explaining how impacts would be limited, with the Project being largely located within a municipal right of way as well as the planned implementation of various other mitigation measures (e.g., Horizontal Directional Drilling (HDD)). Enbridge Gas explained the various specific mitigation measures, the AA, the expected permitting process, and the Project monitoring process and plan. Enbridge Gas also explained the various field studies in which CLFN representatives could participate and encouraged CLFN to provide further input on such matters as the location and timing of CLFN harvesting practices. Please see line-item attachments 5.9, 5.28 and 5.57 in Attachment 6 to Exhibit H for details of Enbridge Gas' responses to CLFN's comments.
Does the community have any outstanding concerns?	☒ Yes ☐ No	On February 17, 2023, CLFN provided comments and concerns regarding the Project on the ELC Memorandum. On April 17, 2023, Enbridge Gas is provided responses to the comments and will continue to engage with the community in relation to the Project. Please see line-item attachments 5.139 and 5.155 in Attachment 6 to Exhibit H.
Hiawatha First Nation (HFN)		
Was project information provided to the community?	☒ Yes ☐ No	Enbridge Gas has provided HFN with the following information: • A detailed description of the nature and initial scope of the Project. This included a list of other provincial or federal approvals that may be required for the Project to proceed. • Maps of the Project location. • Letter containing information on the Virtual Open House. • Stage 1 AA. • Stage 2 AA field work dates. • ELC Memorandum. • Environmental Report, providing information about the potential effects of the Project on the Environment. • Notice of Project Amendment

		Enbridge Gas requested community feedback, including any suggestions or proposals on mitigating, avoiding or accommodating any potential impacts the Project may have on Aboriginal or treaty rights. Capacity funding has been offered to support activities such as timely technical reviews of documents, participation in field work associated with the proposed Project, and to engage in meaningful consultation.
Was the community responsive/did you have direct contact with the community?	☒ Yes ☐ No	Enbridge Gas and a CRFN representative have exchanged emails and had an in-person meeting regarding the Project.
Did the community members or representatives have any questions or concerns?	☒ Yes ☐ No	An HFN representative noted the potential for artifacts in the area. An Enbridge Gas representative committed to providing associated archaeological information as it became available.
Does the community have any outstanding concerns?	☐ Yes ☒ No	As of May 3, 2023, HFN has not identified any outstanding concerns regarding the Project. Enbridge Gas will continue to engage with the community in relation to the Project.
Huron Wendat Nation (HWN)		
Was project information provided to the community?	☒ Yes ☐ No	Enbridge Gas has provided HWN with the following information: • A detailed description of the nature and initial scope of the Project. This included a list of other provincial or federal approvals that may be required for the Project to proceed. • Maps of the Project location. • Letter containing information on the Virtual Open House. • Stage 1 AA. • Stage 2 AA field work dates. • ELC Memorandum. • Environmental Report, providing information about the potential effects of the Project on the Environment. • Notice of Project Amendment

		Enbridge Gas requested community feedback, including any suggestions or proposals on mitigating, avoiding or accommodating any potential impacts the Project may have on Aboriginal or treaty rights. Capacity funding has been offered to support activities such as timely technical reviews of documents, participation in field work associated with the proposed Project, and to engage in meaningful consultation.
Was the community responsive/did you have direct contact with the community?	☒ Yes ☐ No	Enbridge Gas and a HWN representative have exchanged emails and had phone calls regarding the Project.
Did the community members or representatives have any questions or concerns?	☐ Yes ☒ No	The HWN representative requested pipeline route GIS files and a Project presentation. Additionally, the HWN requested to be involved in archaeological activities. Enbridge Gas provided the GIS files and a Project summary and inquired if HWN was interested in participating in monitoring work associated with phase one Stage 2 AA field work for the proposed Project.
Does the community have any outstanding concerns?	☐ Yes ☒ No	As of May 3, 2023, HWN has not identified any outstanding concerns regarding the Project. Enbridge Gas will continue to engage with the community in relation to the Project.
Kawartha Nishnawbe First Nation (KNFN)		
Was project information provided to the community?	☒ Yes ☐ No	Enbridge Gas has provided KNFN with the following information: • A detailed description of the nature and initial scope of the Project. This included a list of other provincial or federal approvals that may be required for the Project to proceed. • Maps of the Project location. • Letter containing information on the Virtual Open House. • Stage 1 AA. • Stage 2 AA field work dates. • ELC Memorandum. • Environmental Report, providing information about the potential effects of the Project on the Environment. • Notice of Project Amendment

		Enbridge Gas requested community feedback, including any suggestions or proposals on mitigating, avoiding or accommodating any potential impacts the Project may have on Aboriginal or treaty rights. Capacity funding has been offered to support activities such as timely technical reviews of documents, participation in field work associated with the proposed Project, and to engage in meaningful consultation.
Was the community responsive/did you have direct contact with the community?	☒ Yes ☐ No	KNFN and Enbridge Gas have met in person to discuss the Project.
Did the community members or representatives have any questions or concerns?	☐ Yes ☒ No	On April 25, 2023, Enbridge Gas and KNFN representative met to discuss the Project. The KNFN representative had concerns regarding potential impacts on land, water, fish, and harvesting and inquired on construction methods. The Enbridge Gas representative committed to resending the ER and advised that they would like to set up a meeting between KNFN representatives and Enbridge Gas' Environmental team to discuss KNFN's concerns.
Does the community have any outstanding concerns?	☐ Yes ☒ No	As of May 3, 2023, KNFN has not identified any outstanding concerns regarding the Project. Enbridge Gas will continue to engage with the community in relation to the Project.
Mississauga's of Scugog Island First Nation (MSIFN)		
Was project information provided to the community?	☒ Yes ☐ No	Enbridge Gas has provided MSIFN with the following information: • A detailed description of the nature and initial scope of the Project. This included a list of other provincial or federal approvals that may be required for the Project to proceed. • Maps of the Project location. • Letter containing information on the Virtual Open House. • Stage 1 AA. • Stage 2 AA field work dates. • ELC Memorandum. • Environmental Report, providing information about the potential effects of the Project on the Environment. • Notice of Project Amendment

		Enbridge Gas requested community feedback, including any suggestions or proposals on mitigating, avoiding or accommodating any potential impacts the Project may have on Aboriginal or treaty rights. Capacity funding has been offered to support activities such as timely technical reviews of documents, participation in field work associated with the proposed Project, and to engage in meaningful consultation.
Was the community responsive/did you have direct contact with the community?	☒ Yes ☐ No	Enbridge Gas and a MSIFN representative have exchanged emails regarding the Project.
Did the community members or representatives have any questions or concerns?	☒ Yes ☐ No	MSIFN representatives provided a number of written comments on the Project, including comments on the Environmental Report and the Stage 1AA. MSIFN's comments included statements and questions regarding: capacity funding; the protection of water resources and wetlands, fish and fish habitat, herpetofauna, wildlife (e.g., bats), and species at risk (e.g., Blanding's Turtle); HDD and alternative crossing methods; the use of alternative fuels and pipeline integrity; the pipeline acting as a preferential pathway for contamination; and the Environmental Protection Plan and environmental monitoring. The MSIFN made requests for further information in the event that the Project involved Parks Canada and noted its interest in receiving a Stage 2 AA report and ongoing updates about the Project. Please see line-item attachments 9.3, 9.20 and 9.33 in Attachment 6 to Exhibit H for details of MSIFN's comments. In addition to offering and providing further information on capacity funding, Enbridge Gas provided detailed written responses to each set of MSIFN comments. Enbridge Gas explained: how impacts to water resources would be mitigated; how fish and fish habitat would be protected; mitigation measures for invasive species; mitigation and protective measures related to soils, particularly in relation to encountering contaminated sites; mitigation and protective measures for Blanding's Turtles (including exclusion fencing) and species at risk surveys; mitigation for bats; and post-construction monitoring. Enbridge Gas also provided further information regarding HDD and why that is a preferred crossing method. Enbridge Gas confirmed that the Project was not located on Parks Canada land. Please see line-item attachments 9.5, 9.22 and 9.39 in Attachment 6 to Exhibit H] for details of Enbridge Gas' responses to CLFN's comments.

Does the community have any outstanding concerns?	☐ Yes ☒ No	As of May 3, 2023, MSIFN has not identified any outstanding concerns regarding the Project. Enbridge Gas will continue to engage with the community in relation to the Project.

Enbridge Gas Inc. Indigenous Consultation Report

Log updated as of May 3, 2023

Alderville First Nation					
Line-Item	**Date**	**Method**	**Summary of Enbridge Gas Inc. ("Enbridge Gas") Engagement Activity**	**Summary of Community's Engagement Activity**	**Issues or Concerns raised and how addressed by Enbridge Gas including any substantive Attachments**
1.0	August 31, 2021	Email	An Enbridge Gas representative emailed the Alderville First Nation ("AFN") representative providing a Project notification letter for the Bobcaygeon Community Expansion Project (the "Project"). The letter provided an overview of the proposed Project, a list of potential authorizations required, and contact information for the Ministry of Energy. The letter advised an Environmental Study of construction and operation activities would be undertaken. The letter requested community feedback on the proposed Project to avoid, minimize or mitigate potential adverse impacts on Aboriginal or Treaty rights.		Please see line-item attachment 1.0.
1.1	September 16, 2021	Email	An Enbridge Gas representative emailed the AFN representative providing a website link for the Project Virtual Open House ("VOH").		Please see line-item attachment1.1.
1.2	October 5, 2021	Email	An Enbridge Gas representative emailed the AFN representative following up on their August 31, 2021, email that provided a Project notification letter. The letter provided an overview of the proposed Project, a list of potential authorizations required, and contact information for the Ministry of Energy. The letter advised an Environmental Study of construction and operation		

			activities would be undertaken. The letter requested community feedback on the proposed Project to avoid, minimize or mitigate potential adverse impacts on Aboriginal or Treaty rights.		
1.3	October 22, 2021	Email	An Enbridge Gas representative emailed the AFN representative providing a Project Summary, a Stage 1 Archaeological Assessment ("AA") completed for a portion of the Project in 2006 ("Phase 1 Stage 1 AA"), an explanation that an additional Stage 1 AA would be completed for the other components of the Project not covered by the 2006 Stage 1 AA ("Phase 2 Stage 1 AA"), an overview of planned Stage 2 activities and a Project map.		Please see line-item attachment 1.3.
1.4	October 26, 2021	Email		An AFN representative emailed the Enbridge Gas representative advising AFN was not in Treaty 20 and that input should be sought CLFN, HFN, and MSIFN as they are signatories to Treaty 20 where the Project is located.	Please see line-item attachment 1.4.
1.5	December 3, 2021	Email	An Enbridge Gas representative emailed the AFN representative providing a website link to a draft Environmental Report ("ER") for the Project. The Enbridge Gas representative asked for the comments on the Project's ER by January 17, 2022.		Please see line-item attachment 1.5.
1.6	January 6, 2022	Email	An Enbridge Gas representative emailed the AFN representative following up on their request for feedback		

			regarding the draft ER for the Project.		
1.7	March 16, 2022	Email	An Enbridge Gas representative emailed the AFN representative with respect to the upcoming Stage 2 archaeology work that was to start the week of May 9, 2022.		
1.8	March 17, 2022	Email		An AFN representative emailed the Enbridge Gas representative to advise that the Project is in Treaty 20 and that CLFN, HFN, and MSIFN as signatories to the Treaty should share any concerns.	Please see line-item attachment 1.8.
1.9	March 18, 2022	Email	An Enbridge Gas representative emailed the AFN representative to confirm receipt of the email.		
1.10	April 27, 2022	Email	An Enbridge Gas representative emailed the AFN representative to advise them of the fieldwork regarding the Project. The Enbridge Gas representative advised them that the fieldwork is specific to breeding bird surveys, butternut health assessment, orchid survey, black ash/Ecological Land Classification ("ELC") and archaeology and provided specifics regarding that work.		
1.11	May 11, 2022	Email	An Enbridge Gas representative emailed the AFN representative to provide the ELC memo for AFN's review . The Enbridge Gas representative requested to receive comments by June 8, 2022, but noted that, that if AFN required more time to please let them know. The Enbridge Gas representative offered capacity funding support in order to support		Please see line-item attachment 1.11.

			AFN's review of the Project documents and participation in archaeological work and consultation.		
1.12	May 12, 2022	Email	An Enbridge Gas representative emailed the AFN representative to provide the link to the Phase 1 ELC and Habitat Assessment ("HA") related to the Project. The Enbridge Gas representative requested to receive comments by June 8, 2022, and if they require more time to please let them know. The Enbridge Gas representative provided the necessary log information in order to review the information. The Enbridge Gas representative offered capacity funding support in order to support AFN's review of the Project documents and participation in archaeological work and consultation.		Please see line-item attachment 1.12.
1.13	May 26, 2022	Email	An Enbridge Gas representative emailed the AFN representative that the upcoming archaeology work for the Stage 2 AA is proposed for June 6, 2022, but advised that it is subject to locations and weather.		
1.14	June 3, 2022	Email	An Enbridge Gas representative emailed the AFN representative that the upcoming archaeology work for the Stage 2 AA that was proposed for June 6, 2022, has been delayed. The Enbridge Gas representative advised that they still hoped to complete the work by the end of June 2022. The Enbridge Gas representative asked that AFN let them know if AFN wanted to participate.		
1.15	August 9, 2022	Email	An Enbridge Gas representative emailed the AFN representative to		

			advise that there is additional work required for the Project and inquired if they were interested in participating.		
1.16	August 9, 2022	Email		An AFN representative emailed the Enbridge Gas representative to advise they would not be able to participate and noted that they wondered if another nation would be participating.	
1.17	August 9, 2022	Email	An Enbridge Gas representative emailed the AFN representative to confirm receipt of the email.		
1.18	September 13, 2022	Email	An Enbridge Gas representative emailed the AFN representative, a website link to the completed Stage 1 AA that was accepted by the Ministry of Tourism, Culture and Sport ("MTCS"). The Enbridge Gas representative noted that Enbridge Gas would be interested in any feedback.		Please see line-item attachment 1.18
1.19	September 23, 2022	Email	An Enbridge Gas representative emailed the AFN representative to provide them with an update on the Project's scheduled Stage 2 AA fieldwork and provide them with the scheduled fieldwork days.		
1.20	February 16, 2023	Email	An Enbridge Gas representative emailed the AFN representative to provide the archaeological field memo detailing high-level results and pictures from the Stage 2 AA field work for Phases 1-2 and photo documentation for Phase 3 related to the Project. The Enbridge Gas representative informed		Please see line-item attachment 1.20.

			them that a detailed report is forthcoming and as soon as it is received it will be provided to the Nation for review and comment.		
1.21	April 27, 2023	Email	An Enbridge Gas representative emailed the AFN representative to provide them a proposed fieldwork schedule for the ELC and Species at Risk ("SAR") work for Phase 4 for the Project. The Enbridge Gas representative asked if they could advise if they had ability to participate.		
1.22	May 3, 2023	Email	An Enbridge Gas representative emailed the AFN representative to inform them that Enbridge Gas is proposing to file an updated application with the OEB no later than June 30, 2023, seeking an order granting leave to construct natural gas pipelines and facilities. The specific pipeline facilities for which the Company is seeking OEB approval consists of the aforementioned Supply Lateral and Eastern Reinforcement; however, the Eastern Reinforcement has since been reduced to approximately 8 km of NPS 6-inch XHP ST natural gas pipeline. There is no change to the proposed Supply Lateral. Please see the attachment (Figure 1) for the updated map of the Project. Stantec has reviewed the updated Project scope, as outlined above, in comparison to the information presented in the 2021 Environment Report and have determined that the updated Project scope is sufficiently covered in the Environmental Report, and that no adjustments or revisions to the		Please see line-item attachment 1.22

			Environmental Report are necessary.		
Beausoleil First Nation (BFN)					
Line Item	**Date**	**Method**	**Summary of Enbridge Gas Inc. ("Enbridge Gas") Engagement Activity**	**Summary of Community's Engagement Activity**	**Issues or Concerns raised and how addressed by Enbridge Gas including any substantive Attachments**
2.0	August 31, 2021	Email	An Enbridge Gas representative emailed the Beausoleil First Nation ("BFN") representative providing a Project notification letter for the Project. The letter provided an overview of the proposed Project, a list of potential authorizations required, and contact information for the Ministry of Energy. The letter advised an Environmental Study of construction and operation activities would be undertaken. The letter requested community feedback on the proposed Project to avoid, minimize or mitigate potential adverse impacts on Aboriginal or Treaty rights.		Please see line-item attachment 2.0
2.1	September 16, 2021	Email	An Enbridge Gas representative emailed the BFN representative providing a website link for the VOH.		Please see line-item attachment 2.1
2.2	October 5, 2021	Email	An Enbridge Gas representative emailed the BFN representative following up on their August 31, 2021, email that provided a Project notification letter. The letter provided an overview of the proposed Project, a list of potential authorizations required, and contact information for the Ministry of Energy. The letter advised an Environmental Study of construction and operation activities would be undertaken. The letter requested community feedback on the proposed Project to avoid, minimize		

			or mitigate potential adverse impacts on Aboriginal or Treaty rights.		
2.3	October 22, 2021	Email	An Enbridge Gas representative emailed the BFN representative providing a Project Summary, Phase 1 Stage 1 AA, an explanation of a planned Phase 2 Stage 1 AA, an overview of planned Stage 2 activities and a Project map.		Please see line-item attachment 2.3.
2.4	October 28, 2021	Email	An Enbridge Gas representative emailed the BFN representative following up on the October 22, 2021, email notification inquiring if BFN was interested in participating in field work regarding Phase 1 Stage 2 AA for the Project.		
2.5	December 3, 2021	Email	An Enbridge Gas representative emailed the BFN representative providing a website link to a draft ER for the Project. The Enbridge Gas representative requested the comments by January 17, 2022.		Please see line-item attachment 2.5.
2.6	January 6, 2022	Email	An Enbridge Gas representative emailed the BFN representative following up on their request for feedback regarding the draft ER for the Project.		
2.7	March 16, 2022	Email	An Enbridge Gas representative emailed the BFN representative with respect to the upcoming Stage 2 archaeology work that was to start the week of May 9, 2022.		
2.8	April 27, 2022	Email	An Enbridge Gas representative emailed the BFN representative to advise them of the fieldwork regarding the Project. The Enbridge Gas representative advised them that the fieldwork is specific to breeding bird surveys, butternut health		

			assessment, orchid survey, black ash/ELC and archaeology and provided specifics regarding that work		
2.9	May 11, 2022	Email	An Enbridge Gas representative emailed the BFN representative to follow up on the April 27, 2022, email and remind them of the upcoming fieldwork taking place for the Project.		
2.10	May 11, 2022	Email	An Enbridge Gas representative emailed the BFN representative to provide the ELC memo for BFN's review . The Enbridge Gas representative requested to receive comments by June 8, 2022, but noted that, that if BFN required more time to please let them know. The Enbridge Gas representative offered capacity funding support in order to support BFN's review of the Project documents and participation in archaeological work and consultation.		Please see line-item attachment 2.10.
2.11	May 12, 2022	Email	An Enbridge Gas representative emailed the BFN representative to provide the link to the Phase 1 ELC and HA related to the Project. The Enbridge Gas representative requested to receive comments by June 8, 2022, and if they require more time to please let them know. The Enbridge Gas representative provided the necessary log information in order to review the information. The Enbridge Gas representative offered capacity funding support in order to support BFN's review of the Project documents and participation in archaeological work and consultation.		Please see line-item attachment 2.11.

2.12	May 26, 2022	Email	An Enbridge Gas representative emailed the BFN representative that the upcoming archaeology work for the Stage 2 AA is proposed for June 6, 2022, but advised that it is subject to locates and weather.		
2.13	May 30, 2022	Email		A BFN representative emailed the Enbridge Gas representative to advise that due to limited time they would not be able to attend fieldwork. Additionally, the BFN representative provided an updated regarding the BFN contacts.	
2.14	June 3, 2022	Email	An Enbridge Gas representative emailed the BFN representative that the upcoming archaeology work for the Stage 2 AA that was proposed for June 6, 2022, has been delayed. The Enbridge Gas representative advised that they still hoped to complete the work by the end of June 2022. The Enbridge Gas representative asked that BFN let them know if they wanted to participate.		
2.15	June 13, 2022	Email	An Enbridge Gas representative emailed the BFN representative to advise that the AA fieldwork for the Project is scheduled for June 20, 2022, and asked them to advise if they would be able to participate in the fieldwork.		
2.16	June 30, 2022	Email	An Enbridge Gas representative emailed the BFN representative to remind them of the upcoming fieldwork related to the Project. The Enbridge Gas representative wanted to know if there would be a BFN representative		

			participating in the scheduled work on July 6-9, 2022, for the ELC, orchid, butternut and black ash surveys for phases 2-3.		
2.17	July 13, 2022	Email	An Enbridge Gas representative emailed the BFN representative to follow up on an email from May 12, 2022, and asked if they had any comments regarding the ELC and HA.		
2.18	August 9, 2022	Email	An Enbridge Gas representative emailed the BFN representative to advise that there is additional fieldwork required for the Project and inquired if they were interested in participating.		
2.19	September 13, 2022	Email	An Enbridge Gas representative emailed the BFN representative, a website link to the completed Stage 1AA that was accepted by the MTCS. The Enbridge Gas representative noted that Enbridge Gas would be interested in any feedback.		Please see line-item attachment 2.19
2.20	September 23, 2022	Email	An Enbridge Gas representative emailed the BFN representative to provide them with an update on the Project's scheduled Stage 2 AA fieldwork and provide them with the scheduled fieldwork days.		
2.21	February 16, 2023	Email	An Enbridge Gas representative emailed the BFN representative to provide the archaeological field memo detailing the high-level results and pictures from the Stage 2 AA field work for Phases 1-2 and photo documentation for Phase 3 related to the Project. The Enbridge Gas representative informed them that a detailed report is forthcoming and as soon as it is received it will be		Please see line-item attachment 2.21.

			provided to the Nation for review and comment.		
2.22	April 27, 2023	Email	An Enbridge Gas representative emailed the BFN representative to provide them a proposed fieldwork schedule for the ELC and SAR work for Phase 4 for the Project. The Enbridge Gas representative asked if they could advise if they had ability to participate.		
2.23	May 3, 2023	Email	An Enbridge Gas representative emailed the BFN representative to inform them that Enbridge Gas is proposing to file an updated application with the OEB no later than June 30, 2023, seeking an order granting leave to construct natural gas pipelines and facilities. The specific pipeline facilities for which the Company is seeking OEB approval consists of the aforementioned Supply Lateral and Eastern Reinforcement; however, the Eastern Reinforcement has since been reduced to approximately 8 km of NPS 6-inch XHP ST natural gas pipeline. There is no change to the proposed Supply Lateral. Please see the attachment (Figure 1) for the updated map of the Project. Stantec has reviewed the updated Project scope, as outlined above, in comparison to the information presented in the 2021 Environment Report and have determined that the updated Project scope is sufficiently covered in the Environmental Report, and that no adjustments or revisions to the Environmental Report are necessary.		Please see line-item attachment 2.23
Chippewas of Georgina Island First Nation (CGIFN)					

Line Item	Date	Method	Summary of Enbridge Gas Inc. ("Enbridge Gas") Engagement Activity	Summary of Community's Engagement Activity	Issues or Concerns raised and how addressed by Enbridge Gas including any substantive Attachments
3.0	August 31, 2021	Email	An Enbridge Gas representative emailed the Chippewas of Georgina Island First Nation ("CGIFN") representative providing a Project notification letter for the Project. The letter provided an overview of the proposed Project, a list of potential authorizations required, and contact information for the Ministry of Energy. The letter advised an Environmental Study of construction and operation activities would be undertaken. The letter requested community feedback on the proposed Project to avoid, minimize or mitigate potential adverse impacts on Aboriginal or Treaty rights.		Please see line-item attachment 3.0.
3.1	September 16, 2021	Email	An Enbridge Gas representative emailed the CGIFN representative providing a website link for the VOH.		Please see line-item attachment 3.1
3.2	October 5, 2021	Email	An Enbridge Gas representative emailed the CGIFN representative following up on their August 31, 2021, email that provided a Project notification letter. The letter provided an overview of the proposed Project, a list of potential authorizations required, and contact information for the Ministry of Energy. The letter advised an Environmental Study of construction and operation activities would be undertaken. The letter requested community feedback on the proposed Project to avoid, minimize or mitigate potential		

			adverse impacts on Aboriginal or Treaty rights.		
3.3	October 22, 2021	Email	An Enbridge Gas representative emailed the CGIFN representative providing a Project Summary, Phase 1 Stage 1 AA, an explanation of a planned Phase 2 Stage 1 AA, an overview of planned Stage 2 activities and a Project map.		Please see line-item attachment 3.3.
3.4	October 28, 2021	Email	An Enbridge Gas representative emailed the CGIFN representative following up on the October 22, 2021, email notification inquiring if CGIFN was interested in participating in field work regarding the Phase 1 Stage 2 AA for the Project.		
3.5	December 3, 2021	Email	An Enbridge Gas representative emailed the CGIFN representative providing a website link to a draft ER for the Project. The Enbridge Gas representative requested the comments by January 17, 2022.		Please see line-item attachment 3.5.
3.6	January 6, 2022	Email	An Enbridge Gas representative emailed the CGIFN representative following up on their request for feedback regarding the draft ER for the Project.		
3.7	March 16, 2022	Email	An Enbridge Gas representative emailed the CGIFN representative with respect to the upcoming Stage 2 archaeology work that was to start the week of May 9, 2022.		
3.8	April 27, 2022	Email	An Enbridge Gas representative emailed the CGIFN representative to advise them of the fieldwork regarding the Project. The Enbridge Gas representative advised them that the fieldwork is specific to breeding bird surveys, butternut health		

			assessment, orchid survey, black ash/ELC and archaeology and provided specifics regarding that work.		
3.9	May 11, 2022	Email	An Enbridge Gas representative emailed the CGIFN representative to follow up on the April 27, 2022, email and remind them of the upcoming fieldwork taking place for the Project.		
3.10	May 11, 2022	Email	An Enbridge Gas representative emailed the CGIFN representative to provide the ELC memo for CGIFN's review . The Enbridge Gas representative requested to receive comments by June 8, 2022, but noted that, that if CGIFN required more time to please let them know. The Enbridge Gas representative offered capacity funding support in order to support CGIFN's review of the Project documents and participation in archaeological work and consultation.		Please see line-item attachment 3.10.
3.11	May 12, 2022	Email	An Enbridge Gas representative emailed the CGIFN representative to provide the link to the Phase 1 ELC and HA related to the Project. The Enbridge Gas representative requested to receive comments by June 8, 2022, and if they require more time to please let them know. The Enbridge Gas representative provided the necessary log information in order to review the information. The Enbridge Gas representative offered capacity funding support in order to support CGIFN's review of the Project documents and participation in archaeological work and consultation.		Please see line-item attachment 3.11.

3.12	May 26, 2022	Email	An Enbridge Gas representative emailed the CGIFN representative that the upcoming archaeology work for the Stage 2 AA is proposed for June 6, 2022, but advised that it is subject to locates and weather.		
3.13	May 27, 2022	Email	An Enbridge Gas representative emailed the CGIFN representative that the upcoming archaeology work for the Stage 2 AA that was proposed for June 6, 2022, has been delayed. The Enbridge Gas representative advised that they still hoped to complete the work by the end of June 2022. The Enbridge Gas representative asked CGIFN to let them know if they wanted to participate.		
3.14	June 3, 2022	Email	An Enbridge Gas representative emailed the CGIFN representative that the upcoming archaeology work for the Stage 2 AA that was proposed for June 6, 2022, has been delayed. The Enbridge Gas representative advised that they still hoped to complete the work by the end of June 2022. The Enbridge Gas representative asked that CGIFN let them know if they wanted to participate.		
3.15	June 13, 2022	Email	An Enbridge Gas representative emailed the CGIFN representative to advise that the AA fieldwork for the Project is scheduled for June 20, 2022, and asked them to advise if they would be able to participate in the fieldwork.		
3.16	June 15, 2022	Email		A CGIFN representative emailed the Enbridge Gas representative to confirm receipt of the email and	

				advised that CGIFN had no comment.	
3.17	June 16, 2022	Email	An Enbridge Gas representative emailed the CGIFN representative to confirm receipt of the email.		
3.18	June 30, 2022	Email	An Enbridge Gas representative emailed the CGIFN representative to remind them of the upcoming fieldwork related to the Project. The Enbridge Gas representative wanted to know if there would be a CGIFN representative participating in the scheduled work on July 6-9, 2022, for the ELC, orchid, butternut and black ash surveys for phases 2-3.		
3.19	July 13, 2022	Email	An Enbridge Gas representative emailed the CGIFN representative to follow up on an email from May 12, 2022, and asked if they had any comments regarding the ELC and HA.		
3.20	August 9, 2022	Email	An Enbridge Gas representative emailed the CGIFN representative to advise that there is additional work required for the Project and inquired if they were interested in participating.		
3.21	September 13, 2022	Email	An Enbridge Gas representative emailed the CGIFN representative, a website link to the completed Stage 1 AA that was accepted by the MTCS. The Enbridge Gas representative noted that Enbridge Gas would be interested in any feedback.		Please see line-item attachment 3.19
3.22	September 23, 2022	Email	An Enbridge Gas representative emailed the CGIFN representative to provide them with an update on the Project's scheduled Stage 2 AA fieldwork and provide them with the scheduled fieldwork days.		

3.23	February 16, 2023	Email	An Enbridge Gas representative emailed the CGIFN representative to provide the archaeological field memo detailing the high-level results and pictures from the Stage 2 AA field work for Phases 1-2 and photo documentation for Phase 3 related to the Project. The Enbridge Gas representative informed them that a detailed report is forthcoming and as soon as it is received it will be provided to the Nation for review and comment.		Please see line-item attachment 3.23.
3.24	April 27, 2023	Email	An Enbridge Gas representative emailed the CGIFN representative to provide them a proposed fieldwork schedule for the ELC and SAR work for Phase 4 for the Project. The Enbridge Gas representative asked if they could advise if they had ability to participate.		
3.25	May 3, 2023	Email	An Enbridge Gas representative emailed the CGIFN representative to inform them that Enbridge Gas is proposing to file an updated application with the OEB no later than June 30, 2023, seeking an order granting leave to construct natural gas pipelines and facilities. The specific pipeline facilities for which the Company is seeking OEB approval consists of the aforementioned Supply Lateral and Eastern Reinforcement; however, the Eastern Reinforcement has since been reduced to approximately 8 km of NPS 6-inch XHP ST natural gas pipeline. There is no change to the proposed Supply Lateral. Please see the attachment (Figure 1) for the updated map of the Project. Stantec has reviewed the updated Project scope, as		Please see line-item attachment 3.25

			outlined above, in comparison to the information presented in the 2021 Environment Report and have determined that the updated Project scope is sufficiently covered in the Environmental Report, and that no adjustments or revisions to the Environmental Report are necessary.		
Chippewas of Rama First Nation (CRFN)					
Line Item	**Date**	**Method**	**Summary of Enbridge Gas Inc. ("Enbridge Gas") Engagement Activity**	**Summary of Community's Engagement Activity**	**Issues or Concerns raised and how addressed by Enbridge Gas including any substantive Attachments**
4.0	August 31, 2021	Email	An Enbridge Gas representative emailed the CRFN representative to provide a Project notification letter for the Project. The letter provided an overview of the proposed Project, a list of potential authorizations required, and contact information for the Ministry of Energy. The letter advised an Environmental Study of construction and operation activities would be undertaken. The letter requested community feedback on the proposed Project to avoid, minimize or mitigate potential adverse impacts on Aboriginal or Treaty rights.		Please see line-item attachment 4.0
4.1	September 16, 2021	Email	An Enbridge Gas representative emailed the CRFN representative providing a website link for the VOH.		Please see line-item attachment 4.1
4.2	October 5, 2021	Email	An Enbridge Gas representative emailed the CRFN representative following up on their August 31, 2021, email that provided a Project notification letter. The letter provided an overview of the proposed Project, a list of potential authorizations		

			required, and contact information for the Ministry of Energy. The letter advised an Environmental Study of construction and operation activities would be undertaken. The letter requested community feedback on the proposed Project to avoid, minimize or mitigate potential adverse impacts on Aboriginal or Treaty rights.		
4.3	October 22, 2021	Email	An Enbridge Gas representative emailed the CRFN representative providing a Project Summary, the Phase 1 Stage 1 AA, an explanation of a planned Phase 2 Stage 1 AA, an overview of planned Stage 2 activities and a Project map.		Please see line-item attachment 4.3.
4.4	October 28, 2021	Email	An Enbridge Gas representative emailed the CRFN representative following up on the October 22, 2021, email notification inquiring if CRFN was interested in participating in field work regarding the Phase 1 Stage 2 AA for the Project.		
4.5	December 3, 2021	Email	An Enbridge Gas representative emailed the CRFN representative providing a website link to a draft ER for the Project. The Enbridge Gas representative requested comments back by January 17, 2022.		Please see line-item attachment 4.5.
4.6	January 6, 2022	Email	An Enbridge Gas representative emailed the CRFN representative following up on their request for feedback regarding the draft ER for the Project.		
4.7	January 7, 2022	Email		A CRFN representative emailed the Enbridge Gas representative	Please see line-item attachment 4.7. CRFN asked about impacts to at-risk tree species identified on site and how the work

				confirming receipt of their email.	crew would identify the species for reporting. Enbridge Gas provided responses to the CLFN comments on January 10, 2022.
4.8	January 10, 2022	Email	An Enbridge Gas representative emailed the CRFN providing information regarding the questions and concerns CRFN provided on the draft ER.		Please see line-item attachment 4.8. With respect to CRFN's questions regarding impacts of at-risk tree species identified on site and how the construction work crew would identify them. Enbridge Gas referenced the mitigation measures in the ER related to wildlife, wildlife habits and species at risk. The Enbridge Gas representative advised that impacts to species at risk will be avoided as much as possible by locating the Project within the existing, municipally owned right-of-way. The Enbridge Gas representative explained how it would obtain information regarding species at risk requirements from the applicable Ministry and expectations that they would be implementing best management practices and standard mitigation, specifically referencing mitigation for the identified butternut tree. Enbridge Gas further advised that workers complete Environmental Training at the onset of a Project, which includes species at risk and associated identification sheets and mitigation measures. Additionally, the Enbridge Gas representative advised that an Environmental Inspector may also be onsite regularly to support species at risk

					identification and mitigation measures.
4.9	March 16, 2022	Email	An Enbridge Gas representative emailed the CRFN representative with respect to the upcoming Stage 2 archaeology work that was to start the week of May 9, 2022.		
4.10	April 27, 2022	Email	An Enbridge Gas representative emailed the CRFN representative to advise them of the fieldwork regarding the Project. The Enbridge Gas representative advised them that the fieldwork is specific to breeding bird surveys, butternut health assessment, orchid survey, black ash/ELC and archaeology and provided specifics regarding that work.		
4.11	May 11, 2022	Email	An Enbridge Gas representative emailed the CRFN representative to follow up on the April 27, 2022, email and remind them of the upcoming fieldwork taking place for the Project.		
4.12	May 11, 2022	Email	An Enbridge Gas representative emailed the CRFN representative to provide the ELC memo for CRFN's review . The Enbridge Gas representative requested to receive comments by June 8, 2022, but noted that, that if CRFN required more time to please let them know. The Enbridge Gas representative offered capacity funding support in order to support CRFN's review of the Project documents and participation in archaeological work and consultation.		Please see line-item attachment 4.12.
4.13	May 12, 2022	Email	An Enbridge Gas representative emailed the CRFN representative to provide the link to the Phase 1 ELC and HA related		Please see line-item attachment 4.13.

			to the Project. The Enbridge Gas representative requested to receive comments by June 8, 2022, and if they require more time to please let them know. The Enbridge Gas representative provided the necessary log information in order to review the information. The Enbridge Gas representative offered capacity funding support in order to support CRFN's review of the Project documents and participation in archaeological work and consultation.		
4.14	May 26, 2022	Email	An Enbridge Gas representative emailed the CRFN representative that the upcoming archaeology work for the Stage 2 AA, is proposed for June 6, 2022, but advised that it is subject to locates and weather.		
4.15	June 3, 2022	Email	An Enbridge Gas representative emailed the CRFN representative that the upcoming archaeology work for the Stage 2 AA that was proposed for June 6, 2022, has been delayed. The Enbridge Gas representative advised that they still hoped to complete the work by the end of June 2022. The Enbridge Gas representative asked that CRFN let them know if they wanted to participate.		
4.16	June 7, 2022	Email		A CRFN representative emailed the Enbridge Gas representative to confirm receipt of the June 3, 2022, email.	
4.17	June 8, 2022	Email	An Enbridge Gas representative emailed the CRFN to confirm receipt of the June 7, 2022, email.		

4.18	June 13, 2022	Email	An Enbridge Gas representative emailed the CRFN representative to advise that the AA fieldwork for the Project is scheduled for June 20, 2022, and asked them to advise if they would be able to participate in the fieldwork.		
4.19	June 13, 2022	Email		A CRFN representative emailed the Enbridge Gas representative to confirm receipt of the June 13, 2022, email and to advise CRFN would not be participating in the fieldwork.	
4.20	June 13, 2022	Email	An Enbridge Gas representative emailed the CRFN representative to confirm receipt of the June 13, 2022, email.		
4.21	June 30, 2022	Email	An Enbridge Gas representative emailed the CRFN representative to remind them of the upcoming fieldwork related to the Project. The Enbridge Gas representative wanted to know if there would be a CRFN representative participating in the scheduled work on July 6-9, 2022, for the ELC, orchid, butternut and black ash surveys for phases 2-3.		
4.22	July 13, 2022	Email	An Enbridge Gas representative emailed the CRFN representative to follow up on an email from May 12, 2022, and asked if they had any comments regarding the ELC and HA.		
4.23	August 9, 2022	Email	An Enbridge Gas representative emailed the CRFN representative to advise that there is additional work required for the Project and inquired if they were interested in participating.		

4.24	September 13, 2022	Email	An Enbridge Gas representative emailed the CRFN representative, a website link to the completed Stage 1 AA that was accepted by the MTCS. The Enbridge Gas representative noted that Enbridge Gas would be interested in any feedback.		Please see line-item attachment 4.24
4.25	September 14, 2022	Email		A CRFN representative emailed an Enbridge Gas representative to advise that they had no comment at this time but would like to keep receiving reports for the Project.	Please see line-item attachment 4.25
4.26	September 15, 2022	Email	An Enbridge Gas representative emailed the CRFN representative to confirm receipt of the September 14, 2022 email and indicating that Enbridge Gas would provide any additional information as it becomes available.		
4.27	September 23, 2022	Email	An Enbridge Gas representative emailed the CRFN representative to provide them with an update on the Project's scheduled Stage 2 AA fieldwork and provide them with the scheduled fieldwork days.		
4.28	February 16, 2023	Email	An Enbridge Gas representative emailed the CRFN representative to provide the archaeological field memo detailing the high-level results and pictures from the Stage 2 AA field work for Phases 1-2 and photo documentation for Phase 3 related to the Project. The Enbridge Gas representative informed them that a detailed report is forthcoming and as soon as it is received it will be		Please see line-item attachment 4.28.

			provided to the Nation for review and comment.		
4.29	February 22, 2023	Email		A CRFN representative emailed the Enbridge Gas representative to confirm receipt of the field memo and high-level results and pictures from the Stage 2 AA field work for Phases 1-2 and photo documentation for Phase 3 related to the Project. The CRFN representative advised that they had no comments or concerns.	Please see line-item attachment 4.29.
4.30	February 22, 2023	Email	An Enbridge Gas representative emailed the CRFN representative to confirm receipt of the email and to advise that Enbridge Gas will continue to provide information regarding the Project.		
4.31	April 27, 2023	Email	An Enbridge Gas representative emailed the CRFN representative to provide them a proposed fieldwork schedule for the ELC and SAR work for Phase 4 for the Project. The Enbridge Gas representative asked if they could advise if they had ability to participate.		
4.32	May 2, 2023	Email		A CRFN representative emailed the Enbridge Gas representative to advise they appreciate the opportunity to participate but due to lack of capacity and location of the Project they are unable to send a monitory during these Project dates.	

4.33	May 3, 2023	Email	An Enbridge Gas representative emailed the CRFN representative to inform them that Enbridge Gas is proposing to file an updated application with the OEB no later than June 30, 2023, seeking an order granting leave to construct natural gas pipelines and facilities. The specific pipeline facilities for which the Company is seeking OEB approval consists of the aforementioned Supply Lateral and Eastern Reinforcement; however, the Eastern Reinforcement has since been reduced to approximately 8 km of NPS 6-inch XHP ST natural gas pipeline. There is no change to the proposed Supply Lateral. Please see the attachment (Figure 1) for the updated map of the Project. Stantec has reviewed the updated Project scope, as outlined above, in comparison to the information presented in the 2021 Environment Report and have determined that the updated Project scope is sufficiently covered in the Environmental Report, and that no adjustments or revisions to the Environmental Report are necessary.		Please see line-item attachment 4.33.
4.34	May 3, 2023	Email	An Enbridge Gas representative emailed the CRFN to confirm receipt of their email and advise that as soon as reports have been generated, they will be provided to CRFN for review.		
Curve Lake First Nation (CLFN)					
Line Item	**Date**	**Method**	**Summary of Enbridge Gas Inc. (“Enbridge Gas”) Engagement Activity**	**Summary of Community’s Engagement Activity**	**Issues or Concerns raised and how addressed by Enbridge Gas including any substantive Attachments**

5.0	August 31, 2021	Email	An Enbridge Gas representative emailed the CLFN representative providing a Project notification letter for the Project. The letter provided an overview of the proposed Project, a list of potential authorizations required, and contact information for the Ministry of Energy. The letter advised an Environmental Study of construction and operation activities would be undertaken. The letter requested community feedback on the proposed Project to avoid, minimize or mitigate potential adverse impacts on Aboriginal or Treaty rights.		Please see line-item attachment 5.0
5.1	September 16, 2021	Email	An Enbridge Gas representative emailed the CLFN representative providing a website link for the VOH.		Please see line-item attachment 5.1.
5.2	October 5, 2021	Email	An Enbridge Gas representative emailed the CLFN representative following up on their August 31, 2021, email that provided a Project notification letter. The letter provided an overview of the proposed Project, a list of potential authorizations required, and contact information for the Ministry of Energy. The letter advised an Environmental Study of construction and operation activities would be undertaken. The letter requested community feedback on the proposed Project to avoid, minimize or mitigate potential adverse impacts on Aboriginal or Treaty rights.		
5.3	October 13, 2021	Email		A CLFN representative emailed the Enbridge Gas	Please see line-item attachment 5.3

				representative providing a letter regarding the Project.	CLFN provided information about CLFN's Traditional Territory, and the harvesting rights included within the Williams Treaties and outlined the fee that was required to be paid by Enbridge Gas in accordance with CLFN's *Consultation and Accommodation Standard*s. CLFN inquired about potential Project impacts to drinking water, fish and wild game, Aboriginal heritage and cultural values, endangered species, and lands. CLFN emphasized the importance of burial and archaeological sites and inquired about the process in the event undocumented burial or archaeological resources were discovered, and general Project mitigation measures. CLFN noted that it has Cultural Heritage Liaisons who can participate in the AA process and the expectation that CLFN would be engaged in the Stage 1 AA and that the CLFN be involved in any Stage 2-4 assessments. Enbridge Gas responded to the CLFN comments on November 4, 2021.
5.4	October 19, 2021	Email	An Enbridge Gas representative emailed the CLFN representative confirming receipt of their September 28, 2021, letter and that they are working on a response.		
5.5	October 22, 2021	Email	An Enbridge Gas representative emailed the CLFN representative to provide a Project Summary, Stage 1 AA, Stage 2 AA overview and a Project map.		Please see line-item attachment 5.5.

5.6	October 28, 2021	Email	An Enbridge Gas representative emailed the CLFN representative following up on the October 22, 2021, email notification inquiring if CLFN was interested in participating in field work regarding Phase 1 Stage Two AA for the Project.		
5.7	November 2, 2021	Email		A CLFN representative emailed the Enbridge Gas representative to advise them they were interested in participating in the Stage 2 AA fieldwork for the Project and would follow up to provide availability.	
5.8	November 4, 2021	Email	An Enbridge Gas representative emailed the CLFN representative to confirm receipt of the November 2, 2021, email.		
5.9	November 4, 2021	Email	An Enbridge Gas representative emailed the CLFN representative to provide a response to the letter received on September 28, 2021, regarding water, drilling and species at risk.		Please see line-item attachment 5.9. Enbridge Gas advised that there are no anticipated impacts to drinking water and fish and fish habitat as the installation will be done by Horizontal Directional Drilling (HDD). In terms of impacts on wildlife/wild game, species at risk, and lands/savannas, Enbridge Gas explained that no impacts were anticipated as the pipeline would be mainly within existing municipal right-of-way. Enbridge Gas also advised that as part of the ER, screening for built heritage resources and cultural heritage landscapes in the vicinity of the pipeline

					construction would be conducted and mitigation developed, and also explained the AA process and invited CLFN to participate. Enbridge Gas advised that, as part of the Project draft ER, a Stage1 AA would be completed, which in addition to CLFN's knowledge of the area, would help to determine the presence of archaeological sites or Indigenous burial grounds. Enbridge Gas advised that the necessary steps will be taken should an undocumented burial or archaeological resource be discovered, and noted other general Project mitigation measures are outlined in the ER. Enbridge Gas also provided the necessary information for CLFN to invoice Enbridge Gas for its fees.
5.10	November 7, 2021	Email		A CLFN representative emailed the Enbridge Gas representative to clarify if Enbridge Gas required an invoice for filing fees for the Project.	
5.11	November 8, 2021	Email	An Enbridge Gas representative emailed the CLFN representative to confirm that they would need an invoice to process the filing fee.		
5.12	November 11, 2021	Email	An Enbridge Gas representative emailed the CLFN representative inquiring if they were still providing representatives to participate in the AA field work the following week. The Enbridge Gas representative provided a		

			field work schedule, a safety training presentation, a COVID-19 protocol document, site access health assessment waiver and invoicing information, and requested that CLFN provide their monitor's contact information and estimate for field work.		
5.13	November 17, 2021	Email	An Enbridge Gas representative emailed the CLFN representative to provide a summary of phase 1, Stage 2 AA field work activities from the previous day for the Project.		
5.14	November 18, 2021	Email	An Enbridge Gas representative emailed the CLFN representative to provide a summary of phase 1, Stage 2 AA field work activities from the previous day for the Project.		
5.15	November 22, 2021	Email	An Enbridge Gas representative emailed the CLFN representative to provide phase 1, Stage 2 AA for the Project and a website link with login information to a sample of photos taken over duration of the fieldwork.		Please see line-item attachment 5.15
5.16	December 2, 2021	Virtual Meeting	An Enbridge Gas representative had a virtual meeting with CLFN representatives to discuss various ongoing Enbridge Gas Projects. The Enbridge Gas representative advised they would provide a draft ER for the Project on December 3, 2021, and requested feedback no later than January 17, 2022.		
5.17	December 3, 2021	Email	An Enbridge Gas representative emailed the CLFN representative providing a website link to a draft ER for the Project. The Enbridge Gas representative requested comments by January 17, 2022.		Please see line-item attachment 5.17
5.18	December 9, 2021	Email	An Enbridge Gas representative emailed the		

			CLFN representative providing minutes from their December 2, 2021, meeting.		
5.19	January 6, 2022	Email	An Enbridge Gas representative emailed the CLFN representative following up on their request for feedback regarding the draft ER for the Project and noting that the deadline for feedback is January 17, 2022.		
5.20	January 6, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to advise them they were unable to find the ER and asked for it to be resent.	
5.21	January 6, 2022	Email	An Enbridge Gas representative emailed the CLFN representative the ER link and access instructions.		
5.22	January 17, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to follow up on the status of the CLFN's review of the draft ER for the Project. The Enbridge Gas representative requested confirmation that CLFN would respond by the deadline that day.		
5.23	January 17, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to provide them with comments on the draft ER.	Please see line-item attachment 5.23. CLFN referenced a number of matters in its comments, including: that the report was based on Settlor or Western Science and the need for the incorporation of Indigenous knowledge; the need to protect cultural keystone species and the potential need for further studies and mitigation, including offsetting or compensation for any alteration or limitation of harvesting rights; cultural

					awareness training; the permitting phase of the Project and the creation of a plan to satisfy the associated duty to consult; the Michi Saagig rights to water and the need for consent; several tributaries and related trout fisheries; species at risk; groundwater and surface water; Pigeon Lake and impacts to cultural traditions in the area; the creation of an environmental monitoring plan; local deer populations and harvesting rights; rare aquatic species in the region; wetlands and hardwood forest stands; and CLFN site visits. The CLFN provided a list of outcomes and recommendations, including in relation to: ongoing communication about environmental concerns of CLFN; the inclusion of oral histories and protection of culturally sensitive features , including through appropriate environmental buffers; mitigation measures for certain mammal species; site restoration design inputs using CLFN Indigenous knowledge; black ash protection and restoration; minimizing impacts on frog population (particularly the bullfrog and green frog populations); and environmental monitoring, with particular emphasis on sediment controls in water resources. Enbridge Gas responded to the CLFN comments on February 17, 2022.
5.24	January 19, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to		

			confirm receipt of the comments on the draft ER for the Project. The Enbridge Gas representative advised that they are working on the responses to the comments.		
5.25	February 13, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to provide invoices for filing fees.	
5.26	February 15, 2022	Email		A CLFN representative emailed the Enbridge Gas representative requesting invoice instructions for the Project.	
5.27	February 16, 2022	Email	An Enbridge Gas representative emailed the CLFN representative providing invoice information for the Project.		
5.28	February 17, 2022	Email	An Enbridge Gas representative emailed the CLFN representative providing a document with Enbridge Gas's responses to CLFN's comments on the ER.		Please see line-item attachment 5.28. Enbridge Gas acknowledged that while the formal guidelines are set out by the OEB, Enbridge Gas would like to continue to work with CLFN to understand the cultural values that are important to the community and acknowledged that consultation with Nations is ongoing. Enbridge Gas noted its Cultural Awareness training and indicated it would be receptive to exploring opportunities to work with CLFN to co-develop specific training. Enbridge Gas also noted that it was interested in exploring with CLFN matters related to Indigenous knowledge

					studies. Enbridge Gas specifically referenced the various field studies that were planned in relation to the Project in which CLFN could participate. Enbridge committed to engage on permits as necessary and sought to better understand the nature and scope of CLFN's interests in specific permits. Enbridge Gas noted the Michi Saagiig assertion to water rights and said that Enbridge Gas would like to continue to work with CLFN to better understand best practices in water and water-related mitigation. Enbridge Gas provided additional information regarding the expected low impact to fish and fish habitat and the planned mitigation measures, including performing HDDs. Recognizing CLFN's concern regarding species at risk, Enbridge Gas provided further explanation of the planned mitigation measures in relation to species at risk, including ELC and potential additional surveys. Enbridge Gas noted the mitigation measures to be undertaken in relation to groundwater and surface water resources. With respect to the monitoring plan pre- and post-construction, Enbridge Gas outlined the monitoring undertaken and the reporting required and noted that Enbridge Gas would welcome any additional CLFN recommendations.

					Enbridge Gas noted that there are no anticipated impacts to Pigeon Lake, as work is to be contained within the municipal right-of-way. Enbridge Gas also addressed the planned mitigation and contingency measures for aquatic species and habitats and the related Project-specific Environmental Protection Plan ("EPP"). Enbridge Gas explained the restricted and short-term impacts to deer and indicated that it would work with the CLFN to understand what harvesting is being practiced to mitigate impacts as appropriate. Enbridge Gas provided additional information about its assessment of aquatic species at risk in the study area and also addressed the mitigation measures to be employed for terrestrial species at risk as well as wetlands and hardwood forests. Enbridge Gas acknowledged the list of the outcomes and recommendations and responded individually to each recommendation, addressing: site restoration; the incorporation of Indigenous knowledge; tree protection plans; protective measures for amphibians, including frogs; permitting processes, soil mitigation; environmental inspections; erosion and sediment control measures.
5.29	February 22, 2022	Email	An Enbridge Gas representative emailed the CLFN representative advising payment was		

			completed with respect to the CLFN invoices for the Project.		
5.30	February 22, 2022	Email	An Enbridge Gas representative emailed the CLFN representative providing the tentative and preliminary environmental field schedule for the Project.		
5.31	March 4, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to ask for feedback on an amended version of the draft Stage 1 AA report by April 4, 2022.		
5.31	March 16, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to follow up on the amended version of the draft Stage 1 AA report and to see if CLFN had any further comments.		
5.32	March 16, 2022	Email		A CLFN representative emailed the Enbridge Gas representative advising that Appendix A was referenced but not included in the report.	
5.33	March 16, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to acknowledge the oversight regarding Appendix A and reassured the CLFN representative that document would be added prior to submission to the Ministry of Heritage, Sport, Tourism and Culture Industries ("MHSTCI").		
5.34	March 16, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to notify them of the upcoming Stage 2 AA work that was to start May 9, 2022.		

5.35	March 21, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to ask if they could set up a meeting to discuss comments/responses provided by CLFN/Enbridge Gas on the Project's ER.		
5.36	March 24, 2022	Phone Call	An Enbridge Gas representative called the CLFN representative to discuss comments and responses regarding the Project and advised that they would like to set up a meeting.		
5.37	March 25, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to inquire about a meeting related to comments/responses provided by CLFN/Enbridge Gas on the Project's ER.		
5.38	March 25, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to confirm receipt of the email and that the conversation regarding setting up a meeting was being scheduled internally before they could provide possible dates to Enbridge Gas.	
5.39	March 28, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to confirm receipt of the March 16, 2022, email regarding Stage 2 AA fieldwork. The CLFN representative advised that they should have a liaison available and would like to	

				participate in the work. Additionally, CLFN inquired as to where they should send the service agreement to.	
5.40	March 28, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to advise they had no comments on the Stage 1 AA, as the oral history was included.	Please see line-item attachment 5.40
5.41	March 29, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to advise them to send the CLFN Cultural Heritage Liaison service agreement to the Enbridge Gas representative.		
5.42	March 29, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to advise that April 7, 2022, could be a tentative meeting date to review the Project's ER comments.	
5.43	March 29, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to ask where the meeting was going to take place to review the Project's ER comments.		
5.44	April 5, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to provide them with a CLFN Cultural Heritage Liaison service agreement for the Project.	
5.45	April 8, 2022	Email	An Enbridge Gas representative emailed the		

			CLFN representative to confirm receipt of the April 5, 2022, email.		
5.46	April 27, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to advise them of the fieldwork regarding the Project. The Enbridge Gas representative advised them that the fieldwork is specific to breeding bird surveys, butternut health assessment, orchid survey, black ash/ELC and archaeology and provided specifics regarding that work.		
5.47	April 29, 2022	Phone Call	An Enbridge Gas representative called the CLFN representative to discuss various ongoing Enbridge Gas Projects. The Enbridge Gas and CLFN representatives spoke about the Traditional Land Use ("TLU") Study that was being scheduled and what was to be expected.		
5.48	April 29, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to provide a recap of the phone call that they had. The Enbridge Gas representative provided an overview of the scheduling for the TLU Study for the Project.		
5.49	May 3, 2022	Email		A CLFN representative emailed the Enbridge Gas representative an outline of the TLU Study that was scheduled for the Project.	
5.50	May 3, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to confirm receipt of the TLU Study outline.		

5.51	May 11, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to follow up on the April 27, 2022, email and remind them of the upcoming fieldwork taking place for the Project.		
5.52	May 11, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to advise that the CLFN representatives will only be able to attend some of the scheduled fieldwork and provide the related scheduling information.	
5.53	May 11, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to provide the ELC memo for CLFN's review . The Enbridge Gas representative requested to receive comments by June 8, 2022, but noted that, that if CLFN required more time to please let them know. The Enbridge Gas representative offered capacity funding support in order to support CLFN's review of the Project documents and participation in archaeological work and consultation.		Please see line-item attachment 5.53
5.54	May 12, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to provide the link to the Phase 1 ELC and HA related to the Project. The Enbridge Gas representative requested to receive comments by June 8, 2022, and if they require more time to please let them know. The Enbridge Gas representative provided the necessary log information in		Please see line-item attachment 5.54

			order to review the information. The Enbridge Gas representative offered capacity funding support in order to support CLFN's review of the Project documents and participation in archaeological work and consultation.		
5.55	May 24, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to provide them with the executed Cultural Heritage Liaison service agreement.		
5.56	May 26, 2022	Email	An Enbridge Gas representative emailed the CLFN representative that the upcoming archaeology work for the Stage 2 AA is proposed for June 6, 2022, but advised that it is subject to locates and weather.		
5.57	June 3, 2022	Email	An Enbridge Gas representative emailed the CLFN representative that the upcoming archaeology work for the Stage 2 AA that was proposed for June 6, 2022, has been delayed. The Enbridge Gas representative advised that they still hoped to complete the work by the end of June 2022. The Enbridge Gas representative asked that CLFN let them know if they wanted to participate.		
5.58	June 3, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to provide invoices for CLFN's participation in the Project.	
5.59	June 3, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to confirm receipt of invoices for the Project.		
5.61	June 6, 2022	Email		A CLFN representative	Please see line-item attachment 5.61

				emailed the Enbridge Gas representative to provide comments on the ELC for the Project. Enbridge Gas is working to respond to the comments.	CLFN emphasized that Indigenous Knowledge studies need to be completed and that further environmental studies may be required, specifically noting a need to consider impacts to baitfish harvesting and medicinal plant harvesting and the potential need for offsetting any limitations on harvesting/gathering rights CLFN advised that Enbridge Gas and CLFN must develop an Environmental Monitoring Plan that ensures cultural longevity. CLFN noted a need for more info regarding Indigenous Areas of Use, polygons or ELC units of high Indigenous value and restoration of cultural keystone species. CLFN advised that designs, project implementations or milestones must account for Indigenous harvesting rights within identified areas. CLFN advised that wetlands identified within the 120 m of the right of way have a cultural significance and are granted protection. CLFN commented that Stantec needs to provide a detailed plant community list observed in the field during the ELC process, so that CLFN can evaluate the cultural keystone species potentially impacted. CLFN also advised that there were four identified species within the ROW of the Project.

					CLFN provided a list of outcomes and recommendations including: the creation of appropriate environmental buffers to protect culturally sensitive features; the need for input from CLFN for site restoration and planting designs; the need to understand or minimize the impacts to amphibian populations with emphasis on the bullfrog and green frog populations; the need to continuously monitor to prevent harmful impacts of deleterious substances from getting into the local streams, noting that a detailed site-specific monitoring plan would need to be developed and submitted to the regulatory agencies as part of the proponents obligations and outlined specific matters that should be addressed. Enbridge Gas responded to these comments on July 20, 2022.
5.62	June 6, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to advise that CLFN did not have the capacity to do reviews or field work as it relates to any AA, as they did not have time capacity. The CLFN representative advised that they wanted to continue to receive updated reviews and opportunities for field work	
5.63	June 7, 2022	Email	An Enbridge Gas representative emailed the		

			CLFN representative to confirm receipt of the ELC memo and that they would review and follow up.		
5.64	June 8, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to confirm that CLFN could not participate in any AA at this time. The Enbridge Gas representative confirmed that they would make note of the request to still receive updated reviews and opportunities for fieldwork.		
5.65	June 9, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to clarify they will be overseeing archaeological matters for the CLFN; however, they would be away for a while.	
5.66	June 9, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to confirm receipt of the June 9, 2022, email.		
5.67	June 9, 2022	In-person meeting	Enbridge Gas representatives, CLFN representatives, and HFN representatives met in person for ground truthing and to go over various ongoing Enbridge Gas projects.		
5.68	June 13, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to confirm that a CLFN representative would be participating in the scheduled fieldwork.		
5.69	June 24, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to provide them with the ground truthing notes from		

			the in-person meeting on June 9, 2022.		
5.70	June 30, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to remind them of the upcoming fieldwork related to the Project. The Enbridge Gas representative wanted to know if there would be a CLFN representative participating in the scheduled work on July 6-9, 2022, for the ELC, orchid, butternut and black ash surveys for phases 2-3.		
5.71	July 3, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to advise that they will be participating in two days of the fieldwork.	
5.72	July 4, 2022	Email		A CLFN representative emailed another Enbridge Gas representative to confirm that CLFN can participate in the Project fieldwork.	
5.73	July 5, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to confirm that CLFN can participate in the fieldwork and asked to confirm contact information to be provided to other Enbridge Gas representatives.		
5.74	July 5, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to provide the contact information and asked about the meeting location for the fieldwork.	

5.75	July 5, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to confirm receipt of the email and that they would look into the meeting spot. Additionally, the Enbridge Gas representative wanted to confirm that they were only participating in 2 days out of the 3 scheduled field days.		
5.76	July 5, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to confirm receipt of the email and confirm that they are only participating in 2 days of the fieldwork.	
5.77	July 18, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to provide them with invoices for the Project.	
5.78	July 19, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to confirm receipt of invoices for CLFN participation in the Project.		
5.79	July 20, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to provide them with Enbridge Gas's responses to CLFN comments on the ELC and HA.		Please see line-item attachment 5.75. Enbridge Gas advised that the Project is proposed within municipal road ROW with some temporary workspace required on privately-owned land and that it was not expected to impact fisheries (including bait fishing harvesting). Enbridge Gas noted the various mitigation and contingency measures for aquatic species and habitats

					as well as mitigation measures for forest and vegetation cover. Enbridge Gas encouraged CLFN to provide information regarding the location of medicinal plants harvested by the CLFN in order to assist with the implementation of mitigation measures. With respect to CLFN's comments on an environmental monitoring plan, Enbridge Gas noted its monitoring and contingency plans and that the EPP will adhere to the regulatory requirements, ER commitments as well as the mitigation measures and commitments determined through follow-up field work and the consultation program. Enbridge Gas referenced the post-construction reports that must be submitted to the OEB, which will document any concerns received and how those concerns have been addressed. With respect to accounting for Indigenous harvesting rights in Project designs, implementation and milestones, Enbridge Gas acknowledged the importance of protection of culturally sensitive features and encouraged CLFN to provide input into recommended timing windows. With respect to culturally significant wetlands with 120 m of the right of way, Enbridge Gas explained additional studies expected to be undertaken, which would be forwarded to CLFN for review, as well as the

					various mitigation measures proposed to minimize disturbances on wetlands, including an HDD. With respect to the provision of a detailed plant community list, Enbridge Gas advised that the current ELC for Phase 1 of the Project was completed in October, at which time a plant list could not be collected due to the time of year. Field studies were completed in July and a complete list of plants would be captured in a memo distributed to CLFN for review. The ELC memo, with the list of plants, was provided on November 16, 2022 to CLFN. With respect to the species CLFN identified, Enbridge Gas advised that the related surveys were completed in June and July. Enbridge Gas explained why Barn swallow impacts are not expected, and outlined what mitigation measures would be employed to protect Blanding's Turtle habitat. The Enbridge Gas representative acknowledged the outcomes and recommendations CLFN provided and responded individually to each comment.
5.80	July 23, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to ask if they could create an additional column for CLFN to provide responses to the Enbridge Gas representatives'	

				comments on the ELC and HA.	
5.81	July 23, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to confirm that adding a column was okay and to follow up with the Enbridge Gas representative if the CLFN had any comments or responses to the ELC memo.		
5.82	July 25, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to ask if Enbridge Gas could revise the document to add the column.	
5.83	July 25, 2022	Email	An Enbridge Gas representative emailed CLFN the revised document.		
5.84	August 9, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to advise that there is additional work required for the Project and inquired if they were interested in participating.		
5.85	August 9, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to ask for particulars regarding the fieldwork in order to schedule it.	
5.86	August 9, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to provide an invoice for CLFN's participation in the Project.	
5.87	August 9, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to confirm receipt of the invoice.		

5.88	August 15, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to provide them with the requested information regarding the Project fieldwork.		
5.89	August 15, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to advise them they are unable to participate in the scheduled fieldwork.	
5.90	August 31, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to confirm if they can share the TLU Study results with the Enbridge Gas consultants.		
5.91	August 31, 2022	Email		A CLFN representative emailed the Enbridge Gas to advise that it is sufficient for CLFN's purposes	
5.92	August 31, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to confirm receipt of the email.		
5.93	September 2, 2022	In person meeting	Enbridge Gas representatives, Enbridge Gas business partner representatives, an HFN representative, CLFN representatives, and CLFN business representatives met to review the TLU Study. The CLFN/HFN representative led the discussion regarding the TLU Study. CLFN and HFN representatives provided comments and feedback about the TLU Study and the Project.		
5.94	September 6, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to		

			provide them with the names of the Enbridge Gas and Stantec representatives that attended the meeting to discuss the ground truthing notes.		
5.95	September 7, 2022	Email		A CLFN representative emailed the Enbridge Gas representative asking Enbridge Gas to provide another CLFN representative the information Enbridge Gas had previously provided.	
5.96	September 7, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to confirm receipt of the email.		
5.97	September 13, 2022	Email	An Enbridge Gas representative emailed the additional CLFN contact identified in CLFN's September 7th email, providing an overview of the Project, and a website link to the completed Stage 1 AA that was accepted by the MTCS, for the Nation's review. The Enbridge Gas representative noted that Enbridge Gas would be interested in any feedback.		Please see line-item attachment 5.97
5.98	September 13, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to advise that they were confused and if they could not provide comment on the draft report. Additionally, the CLFN representative advised that one of the other CLFN contacts should no longer be a contact.	
5.99	September 13, 2022	Email	An Enbridge Gas representative emailed the		

			CLFN representative to provide them with the March 28, 2022, email where the CLFN representative advised they had no comments.		
5.100	September 13, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to confirm receipt of the email.	
5.101	September 13, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to advise that the Stage 1 AA had many errors and that they wanted the report pulled and issues addressed and fixed.	
5.102	September 14, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to provide available times to discuss the Stage 1 AA errors.	
5.103	September 15, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to confirm receipt of the email addressing the suggested errors and suggested the comments could be added to the Stage 2 AA.		
5.104	September 15, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to confirm the appropriateness of a virtual teams call and the required length for the meeting.	

5.105	September 16, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to advise that two hours would probably be appropriate.		
5.106	September 23, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to provide them with an update on the Project's scheduled Stage 2 AA update and provide them with the scheduled fieldwork days.		
5.107	September 29, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to provide them with invoices for CLFN's participation in the Project	
5.108	September 29, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to confirm receipt of the invoice.		
5.109	November 2, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to follow up on the September 13, 2022, email that stated there were errors in regard to the Stage 1 AA and asked if CLFN could identify the errors in the original report. An Enbridge Gas representative advised that they are working on Stage 2 AA and wanted to ensure CLFN has the opportunity to participate.		
5.110	November 2, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to ask if this could be added to the next meeting agenda.	
5.111	November 3, 2022	Email	An Enbridge Gas representative emailed the		

			CLFN representative to confirm receipt of the email.		
5.112	November 4, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to ask if the concerns could be provided via email so that they could be forwarded to other Enbridge Gas representatives for review.		
5.113	November 8, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to ask if the Stage 1 AA could be re-sent them.	
5.114	November 8, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to follow up and ask if the Stage 1 AA could be re-sent them.	
5.115	November 8, 2022	Email	An Enbridge Gas representative emailed the CLFN representative the Stage 1 AA information.		
5.116	November 8, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to advise them that the information was not loading.	
5.117	November 8, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to advise them they are working on an updated link.		
5.118	November 8, 2022	Phone Call	An Enbridge Gas representative called the CLFN representative to discuss the Stage 1 AA and the Stage 2 AA for the Project.	The CLFN representative advised that they wanted to review the Stage 1 AA but would not provide comments until the Stage 2 AA.	
5.119	November 8, 2022	Email	An Enbridge Gas representative emailed the		

			CLFN representative to confirm that CLFN will wait until Stage 2 AA to provide comments and re-sent the draft Stage 1 AA for review.		
5.120	November 16, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to provide them with the Phases 1-3 ELC memo pertaining to the Project for CLFN's review and comment. The Enbridge Gas representative recognized the potential need for capacity and asked that they advise should CLFN need any capacity support. The Enbridge Gas representative also advised that they required the responses by December 19, 2022.		Please see line-item attachment 5.120
5.121	November 16, 2022	Email		A CLFN representative emailed the Enbridge Gas representative to advise that the link provided for the ELC memo did not work and that they needed to have the information re-sent.	
5.122	November 17, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to advise that they are working on an updated link.		
5.123	November 17, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to provide them with an updated link for the ELC memo.		
5.124	November 28, 2022	Email	An Enbridge Gas representative emailed the CLFN representative to provide them with Enbridge Gas' comments on the TLU Study for the Project.		
5.125	November 28, 2022	Email		A CLFN representative emailed Enbridge Gas representative	

				that they would like to meet to discuss Enbridge Gas' comments on the TLU Study.	
5.126	December 14, 2022	Meeting	An Enbridge Gas representative met with CLFN representatives to discuss various Enbridge Gas Projects.	CLFN representatives had no concerns with the responses on the TLU Study.	
5.127	January 11, 2023	Email	An Enbridge Gas representative emailed the CLFN representative to inquire if the CLFN representatives were able to review the ELC memo for phases 1-3.		
5.128	January 11, 2023	Email		A CLFN representative emailed the Enbridge Gas representative to advise that they were unable to review by the December 19, 2022, deadline and asked if it could be extended	
5.130	January 11, 2023	Email	An Enbridge Gas representative emailed the CLFN representative to advise that comments should be provided by February 15, 2023.		
5.131	January 18, 2023	Email		A CLFN representative emailed the Enbridge Gas representative to confirm that they could provide comments by February 15, 2023.	
5.132	January 19, 2023	Email	An Enbridge Gas representative emailed the CLFN representative to confirm receipt of the email.		
5.133	February 1, 2023	Email	An Enbridge Gas representative emailed the CLFN representative to follow up on a November 8, 2022, email regarding the draft Stage 1 AA for the		

			Project in March 2022. The Enbridge Gas representative wanted to confirm that CLFN had no further comments on the Stage 1 AA and would be providing comments on Stage 2 AA.		
5.134	February 16, 2023	Email	An Enbridge Gas representative emailed the CLFN representative to provide the archaeological field memo detailing the high-level results and pictures from the Stage 2 AA field work for Phases 1-2 and photo documentation for Phase 3 related to the Project. The Enbridge Gas representative informed them that a detailed report is forthcoming and as soon as it is received it will be provided to the Nation for review and comment.		Please see line-item attachment 5.134
5.135	February 16, 2023	Email		A CLFN representative emailed the Enbridge Gas representative to confirm receipt of the email.	
5.136	February 16, 2023	Email	An Enbridge Gas representative emailed the CLFN representative to ask if there was a possibility of having a meeting to ensure that everyone is on the same page regarding the Project.		
5.137	February 16, 2023	Email		A CLFN representative emailed the Enbridge Gas representative to provide various available dates to have a meeting.	
5.138	February 16, 2023	Email	An Enbridge Gas representative emailed the CLFN representative to confirm a date and time to have a meeting.		
5.139	February 17, 2023	Email		A CLFN representative	Please see line-item attachment 5.139

				emailed the Enbridge Gas representative, providing comments on the ELC memo for Phase 1-3 for the Project.	CLFN asked how Stantec and Enbridge Gas will uphold the Treaty Rights of the Michi Saagiig and advised that the Project is in the Rice Lake Purchase (Treaty 20). CLFN asked for an explanation on how the Project will affect Indigenous rights and the creation of a plan with the Williams Treaty First Nations to mitigate any impacts to such rights. CLFN questioned how Stantec and Enbridge Gas assess Michi Saagiig Cultural Keystone Species in their environmental reporting and the combined environmental risks to the Michi Saagiig culture. CLFN recommended that any wildlife observations should be screened for those identified as Cultural Keystone Species and that all potential risks to Cultural Keystone Species and Michi Saagig culture should be assessed. CLFN questioned how the Cultural Keystone Species and traditional medicines of the Michi Saagiig will be protected and recommended the inclusion of the Cultural Keystone Species in the in the ELC inventory and roadside vegetation survey. CLFN commented on Ontario's significant conservation responsibility for Black Ash and any impacts would be mitigated, recommending the development of mitigation with Michi Saagig input. CLFN also recommends the development of a plan to minimize the impacts on frog populations, with an emphasis on bullfrog and green frog populations, which are a traditional food

					source for the Michi Saagiig and are still used. Noting the importance of turtles as a Cultural Keystone Species, CLFN recommended that the associated mitigation measures be reviewed by the Michi Saagig and that a representative of CLFN should be on site during the installation of exclusion fencing, with any findings from the environmental inspector during construction should be being shared with CLFN. With respect to the surveying for Least Bittern, CLFN questioned why Stantec only conducted point counts over two days rather than the recommended 3 site visits, noting the Least Bittern's secretive nature. CLFN provided an overall summary of recommendations provided, including the need for a formal response to the comments provided. Enbridge Gas is currently working on responses to these comments.
5.140	February 23, 2023	Email		A CLFN representative emailed the Enbridge Gas representative following up on the February 16, 2023, email asking for an invite to be sent for the meeting.	
5.141	February 23, 2023	Email	An Enbridge Gas representative emailed the CLFN representative to provide them with the link for the meeting.		
5.142	February 23, 2023	Email		A CLFN representative emailed the Enbridge Gas representative to	

				ask if the contact information has been updated as one of the CLFN representatives was not receiving updates. The CLFN representative advised that March 7 is busy but would do their best to participate.	
5.143	February 23, 2023	Email	An Enbridge Gas representative emailed the CLFN representative to provide an updated teams invite to accommodate all CLFN representatives.		
5.144	February 23, 2023	Email		A CLFN representative emailed the Enbridge Gas representative to advise that they accepted the new meeting invite.	
5.145	February 23, 2023	Email	An Enbridge Gas representative emailed the CLFN representative to advise that there may be conflicts		
5.146	March 7, 2023	Virtual Meeting	An Enbridge Gas representative met with the CLFN representatives to go over various ongoing Enbridge Gas projects. The Enbridge Gas representative wanted to confirm that there were no further comments with the Stage 1 AA responses to CLFN's comments.	CLFN confirmed there were no further comments regarding Stage 1 AA.	
5.147	March 7, 2023	Email	An Enbridge Gas representative emailed the CLFN representative to provide a recap on the meeting. The Enbridge Gas representative provided an overview of the various Enbridge Gas projects that are ongoing.		
5.148	March 7, 2023	Virtual Meeting	An Enbridge Gas representative met with HFN and CLFN representative to discuss		

			ongoing Enbridge Gas Projects.		
5.149	March 7, 2023	Email	An Enbridge Gas representative emailed HFN and CLFN representative to follow up on their virtual meeting to provide a recap on a few of the items discuss in the meeting. The Enbridge Gas representative confirmed that the Stage 1 AA concerns that the CLFN had have been resolved and that Stage 2 AA fieldwork is scheduled for early spring.		
5.150	March 17, 2023	Email		A CLFN representative emailed the Enbridge Gas representative to confirm the recap of information from that March 7, 2023 meeting.	
5.151	March 17, 2023	Email	An Enbridge Gas representative emailed the CLFN representative to confirm receipt of the email.		
5.152	April 11, 2023	In-person Meeting	An Enbridge Gas representative met with HFN and CLFN representative to discuss ongoing Enbridge Gas Projects.		
5.153	April 17, 2023	Email	An Enbridge Gas representative emailed HFN and CLFN representative to follow up on their in-person meeting to provide a recap on a few of the items discuss in the meeting. The Enbridge Gas representative advised that responses to CLFN's comments on the ELC memo will be provided as soon as they are completed. The Enbridge Gas representative advised that reporting pertaining to the Project's fieldwork will is being worked on and will be provided as soon as it is completed.		
5.154	April 18, 2023	Email	An Enbridge Gas representative emailed the CLFN representative to provide Enbridge Gas's responses to CLFN's		Please see line-item attachment 5.154

			comments on the TLU Study.		
5.155	April 26, 2023	Email	An Enbridge Gas representative emailed the CLFN representative to provide Enbridge Gas's responses to CLFN's comments on the ELC memo.		Please see line-item attachment 5.155
5.156	April 27, 2023	Email	An Enbridge Gas representative emailed the CLFN representative to provide them a proposed fieldwork schedule for the ELC and SAR work for Phase 4 for the Project. The Enbridge Gas representative asked if they could advise if they had ability to participate.		
5.157	April 27, 2023	Email		An CLFN representative emailed the Enbridge Gas to advise that they are definitely interested in participating in the fieldwork and will advise who is able to attend. The CLFN representative to provide them a new contact for a new CLFN representative.	
5.158	May 3, 2023	Email	An Enbridge Gas representative emailed the CLFN representative to inform them that Enbridge Gas is proposing to file an updated application with the OEB no later than June 30, 2023, seeking an order granting leave to construct natural gas pipelines and facilities. The specific pipeline facilities for which the Company is seeking OEB approval consists of the aforementioned Supply Lateral and Eastern Reinforcement; however, the Eastern Reinforcement has since been reduced to approximately 8 km of NPS 6-inch XHP ST natural gas pipeline. There is no change to the proposed Supply		Please see line-item attachment 5.158

			Lateral. Please see the attachment (Figure 1) for the updated map of the Project. Stantec has reviewed the updated Project scope, as outlined above, in comparison to the information presented in the 2021 Environment Report and have determined that the updated Project scope is sufficiently covered in the Environmental Report, and that no adjustments or revisions to the Environmental Report are necessary.		
5.159	May 3, 2023	Email	An Enbridge Gas representative emailed the CLFN representative to confirm receipt of the email and confirm the new contact.		
Hiawatha First Nation (HFN)					
Line Item	**Date**	**Method**	**Summary of Enbridge Gas Inc. ("Enbridge Gas") Engagement Activity**	**Summary of Community's Engagement Activity**	**Issues or Concerns raised and how addressed by Enbridge Gas including any substantive Attachments**
6.0	August 31, 2021	Email	An Enbridge Gas representative emailed the HFN representative providing a Project notification letter for the Project. The letter provided an overview of the proposed Project, a list of potential authorizations required, and contact information for the Ministry of Energy. The letter advised an Environmental Study of construction and operation activities would be undertaken. The letter requested community feedback on the proposed Project to avoid, minimize or mitigate potential adverse impacts on Aboriginal or Treaty rights.		Please see line-item attachment 6.0
6.1	September 16, 2021	Email	An Enbridge Gas representative emailed the HFN representative		Please see line-item attachment 6.1

			providing a website link for the VOH.		
6.2	October 5, 2021	Email	An Enbridge Gas representative emailed the HFN representative following up on their August 31, 2021, email that provided a Project notification letter. The letter provided an overview of the proposed Project, a list of potential authorizations required, and contact information for the Ministry of Energy. The letter advised an Environmental Study of construction and operation activities would be undertaken. The letter requested community feedback on the proposed Project to avoid, minimize or mitigate potential adverse impacts on Aboriginal or Treaty rights.		
6.3	October 5, 2021	Email		An HFN representative emailed the Enbridge Gas representative to advise that there are concerns about the high potential of artifacts being found.	Please see line-item attachment 6.3. An HFN representative outlined concerns regarding a high potential for artifacts being found even though the area is built up and lands have been disturbed.
6.4	October 6, 2021	Email	An Enbridge Gas representative emailed the HFN representative acknowledging their concern regarding artifact finds.		Please see line-item attachment 6.4. Enbridge Gas noted that they have been advised of the area's cultural and archaeological significance and that Enbridge Gas would follow up with HFN regarding the desktop archaeology work when it has started.
6.5	October 22, 2021	Email	An Enbridge Gas representative emailed the HFN representative providing a Project Summary, Phase 1 Stage 1 AA, an explanation of a planned Phase 2 Stage 2 AA, an overview of planned		Please see line-item attachment 6.5.

			Stage 2 activities and a Project map.		
6.6	October 28, 2021	Email	An Enbridge Gas representative emailed the HFN representative following up on the October 22, 2021, email notification inquiring if CLFN was interested in participating in field work regarding Phase 1 Stage 2 AA for the Project.		
6.7	November 17, 2021	Email	An Enbridge Gas representative emailed the HFN representative to provide a summary of phase 1, Stage 2 AA field work activities from the previous day for the Project.		
6.8	November 18, 2021	Email	An Enbridge Gas representative emailed the HFN representative to provide a summary of phase 1, Stage 2 AA field work activities from the previous day for the Project.		
6.9	November 22, 2021	Email	An Enbridge Gas representative emailed the HFN representative to provide phase 1 Stage 2 AA for the Project and a website link with login information to a sample of photos taken over duration of the fieldwork.		Please see line-item attachment 6.9.
6.10	December 3, 2021	Email	An Enbridge Gas representative emailed the HFN representative providing a website link to a draft ER for the Project. The Enbridge Gas representative requested the comments back by January 17, 2022		Please see line-item attachment 6.10.
6.11	January 6, 2022	Email	An Enbridge Gas representative emailed the HFN representative following up on their request for feedback regarding the draft ER for the Project.		
6.12	March 16, 2022	Email	An Enbridge Gas representative emailed the HFN representative with respect to the upcoming Stage 2 archaeology work		

			that was to start the week of May 9, 2022.		
6.13	April 27, 2022	Email	An Enbridge Gas representative emailed the HFN representative to advise them of the fieldwork regarding the Project. The Enbridge Gas representative advised them that the fieldwork is specific to breeding bird surveys, butternut health assessment, orchid survey, black ash/ELC and archaeology and provided specifics regarding that work.		
6.14	May 11, 2022	Email	An Enbridge Gas representative emailed the HFN representative to follow up on the April 27, 2022, email and remind them of the upcoming fieldwork taking place for the Project.		
6.16	May 12, 2022	Email	An Enbridge Gas representative emailed the HFN representative to provide the link to the Phase 1 ELC and HA related to the Project. The Enbridge Gas representative requested to receive comments by June 8, 2022, and if they require more time to please let them know. The Enbridge Gas representative provided the necessary log information in order to review the information. The Enbridge Gas representative offered capacity funding support in order to support HFN's review of the Project documents and participation in archaeological work and consultation.		Please see line-item attachment 6.16.
6.17	May 26, 2022	Email	An Enbridge Gas representative emailed the HFN representative that the upcoming archaeology work for Stage 2 AA is proposed for June 6, 2022, but		

			advised that it is subject to locations and weather.		
6.18	June 3, 2022	Email	An Enbridge Gas representative emailed the HFN representative that the upcoming archaeology work for the Stage 2 AA that was proposed for June 6, 2022, has been delayed. The Enbridge Gas representative advised that they still hoped to complete the work by the end of June 2022. The Enbridge Gas representative asked that HFN let them know if they wanted to participate.		
6.19	June 9, 2022	In-person meeting	Enbridge Gas representatives, HFN representatives, and CLFN representatives met in person for ground truthing and to go over various ongoing Enbridge Gas Projects.		
6.20	June 13, 2022	Email	An Enbridge Gas representative emailed the HFN representative to advise that the AA fieldwork for the Project is scheduled for June 20, 2022, and asked them to advise if they would be able to participate in the fieldwork.		
6.21	June 16, 2022	Email	An Enbridge Gas representative emailed the HFN representative to provide a reminder of the upcoming fieldwork and to see if HFN can participate.		
6.22	June 24, 2022	Email	An Enbridge Gas representative emailed the HFN representative to provide them with the ground truthing notes from the in-person meeting on June 9, 2022.		
6.23	June 30, 2022	Email	An Enbridge Gas representative emailed the HFN representative to remind them of the upcoming fieldwork related to the Project. The Enbridge Gas representative wanted		

			to know if there would be an HFN representative participating in the scheduled work on July 6-9, 2022, for the ELC, orchid, butternut and black ash surveys for phases 2-3.		
6.24	July 4, 2022	Email		A HFN representative emailed the Enbridge Gas representative to advise them that they do not have any time to participate in the fieldwork due to a backlog of work and would like to be provided updates as the Project continues.	
6.25	July 6, 2022	Email	An Enbridge Gas representative emailed the HFN representative to confirm receipt of the email and committed to continue to provide information.		
6.26	July 13, 2022	Email	An Enbridge Gas representative emailed the HFN representative to follow up on an email from May 12, 2022, and asked if they had any comments regarding the ELC and HA.		
6.27	July 20, 2022	Email		An HFN representative emailed the Enbridge Gas representative to advise them that they did not see the email with the link to the ER prior to the reminder and wondered if the CLFN representatives had provided comments on. The HFN representative asked if the CLFN would be comfortable with	Please see line-item attachment 6.27.

				HFN using what he had provided as comments.	
6.28	July 20, 2022	Email	An Enbridge Gas representative emailed the HFN representative that the CLFN representatives did provide comments and that they could provide HFN with the ELC and HA report to ensure it included HFN's comments.		
6.29	August 9, 2022	Email	An Enbridge Gas representative emailed the HFN representative to advise that there is additional work required for the Project and inquired if they were interested in participating.		
6.30	August 9, 2022	Email		An HFN representative emailed the Enbridge Gas representative to advise that they are very busy and that they are not able to participate in the additional fieldwork.	
6.31	August 9, 2022	Email	An Enbridge Gas representative emailed the HFN representative to confirm receipt of the email.		
6.32	September 13, 2022	Email	An Enbridge Gas representative re-provided the HFN representative, a website link to the completed Stage 1 AA that was accepted by the MTCS. The Enbridge Gas representative noted that Enbridge Gas would be interested in any feedback.		Please see line-item attachment 6.32.
6.33	September 23, 2022	Email	An Enbridge Gas representative emailed the HFN representative to provide them with an update on the Project's scheduled Stage 2 AA fieldwork and provide them with the scheduled fieldwork days.		

6.34	September 28, 2022	Email		An HFN representative emailed the Enbridge Gas representative to provide them with invoices for HFN's participation in the Project.	
6.35	September 29, 2022	Email	An Enbridge Gas representative emailed the HFN representative to confirm receipt of the invoice.		
6.36	February 16, 2023	Email	An Enbridge Gas representative emailed the HFN representative to provide the archaeological field memo detailing the high-level results and pictures from the Stage 2 AA field work for Phases 1-2 and photo documentation for Phase 3 related to the Project. The Enbridge Gas representative informed them that a detailed report is forthcoming and as soon as it is received it will be provided to the Nation for review and comment.		Please see line-item attachment 6.36.
6.37	March 7, 2023	Virtual Meeting	An Enbridge Gas representative met with HFN and CLFN representative to discuss ongoing Enbridge Gas Projects.		
6.38			An Enbridge Gas representative emailed HFN and CLFN representative to follow up on their virtual meeting to provide a recap on a few of the items discuss in the meeting. The Enbridge Gas representative confirmed that the Stage 1 AA concerns that the CLFN had have been resolved and that Stage 2 AA fieldwork is scheduled for early spring.		
6.39	April 11, 2023	In-person Meeting	An Enbridge Gas representative met with HFN and CLFN representative to discuss ongoing Enbridge Gas Projects.		

6.40	April 17, 2023	Email	An Enbridge Gas representative emailed HFN and CLFN representative to follow up on their in-person meeting to provide a recap on a few of the items discuss in the meeting. The Enbridge Gas representative advised that responses to CLFN's comments on the ELC memo will be provided as soon as they are completed. The Enbridge Gas representative advised that reporting pertaining to the Project's fieldwork will is being worked on and will be provided as soon as it is completed.		
6.41	April 27, 2023	Email	An Enbridge Gas representative emailed the HFN representative to provide them a proposed fieldwork schedule for the ELC and SAR work for Phase 4 for the Project. The Enbridge Gas representative asked if they could advise if they had ability to participate.		
6.42	May 3, 2023	Email	An Enbridge Gas representative emailed the HFN representative to inform them that Enbridge Gas is proposing to file an updated application with the OEB no later than June 30, 2023, seeking an order granting leave to construct natural gas pipelines and facilities. The specific pipeline facilities for which the Company is seeking OEB approval consists of the aforementioned Supply Lateral and Eastern Reinforcement; however, the Eastern Reinforcement has since been reduced to approximately 8 km of NPS 6-inch XHP ST natural gas pipeline. There is no change to the proposed Supply Lateral. Please see the attachment (Figure 1) for the updated map of the Project.		Please see line-item attachment 6.42.

			Stantec has reviewed the updated Project scope, as outlined above, in comparison to the information presented in the 2021 Environment Report and have determined that the updated Project scope is sufficiently covered in the Environmental Report, and that no adjustments or revisions to the Environmental Report are necessary.		
6.43	May 3, 2023	Email		An HFN representative emailed the Enbridge Gas representative to advise that they had no comments at this time.	
6.44	May 3, 2023	Email	An Enbridge Gas representative emailed the HFN representative to confirm the receipt of the email.		
Huron-Wendat Nation					
Line Item	**Date**	**Method**	**Summary of Enbridge Gas Inc. ("Enbridge Gas") Engagement Activity**	**Summary of Community's Engagement Activity**	**Issues or Concerns raised and how addressed by Enbridge Gas including any substantive Attachments**
7.0	August 31, 2021	Email	An Enbridge Gas representative emailed the HWN representative providing a Project notification letter for the Project. The letter provided an overview of the proposed Project, a list of potential authorizations required, and contact information for the Ministry of Energy. The letter advised an Environmental Study of construction and operation activities would be undertaken. The letter requested community feedback on the proposed Project to avoid, minimize or mitigate potential adverse impacts on Aboriginal or Treaty rights.		Please see line-item attachment 7.0.

7.1	September 15, 2021	Email		A HWN representative emailed the Enbridge Gas representative to provide contact information and ask for specific information.	Please see line-item attachment 7.1. The HWN representative requested pipeline route GIS files and a Project presentation. Additionally, the HWN requested to be involved in all archaeological activities. Enbridge Gas provided the GIS files on September 27, 2021, and the project summary on October 21, 2021.
7.2	September 27, 2021	Phone Call	An Enbridge Gas representative called the HWN representative to discuss various topics regarding the Project.		
7.3	September 27, 2021	Email	An Enbridge Gas representative emailed the HWN representative to provide the pipeline route GIS files. The Enbridge Gas representative noted the GIS files provided a preliminary plan with general routing and did not include the side of the road. The Enbridge Gas representative advised the information was subject to change. Additionally, the Enbridge Gas representative wanted to schedule a meeting.		Please see line-item attachment 7.3
7.4	October 22, 2021	Email	An Enbridge Gas representative emailed the HWN representative providing a Project Summary, Phase 1 Stage 1 AA, an explanation of a planned Phase 2 Stage 1 AA, an overview of planned Stage 2 activities and a Project map.		Please see line-item attachment 7.4.
7.5	October 28, 2021	Email	An Enbridge Gas representative emailed the HWN representative following up on the October 22, 2021, email notification inquiring if HWN was		

			interested in participating in field work regarding Phase 1 Stage 2 AA for the Project		
7.6	October 29, 2021	Email		A HWN representative emailed the Enbridge Gas representative advising that they were interested in participating the Phase One Stage 2 AA field work for the Project. The HWN representative advised they would be the point-of-contact regarding archaeology work and inquired if they needed a quote for the monitoring work.	
7.7	November 1, 2021	Email	An Enbridge Gas representative emailed the HWN representative confirming a quote was required for the Project work and provided additional contact information to HWN.		
7.8	November 11, 2021	Email	An Enbridge Gas representative emailed the HWN representative inquiring if they were still providing representatives to participate in the AA field work the following week. The Enbridge Gas representative provided a field work schedule, a safety training presentation, a COVID-19 protocol document, site access health assessment waiver, invoicing information, and requested that HWN provide their monitor's contact information and estimate for field work.		
7.9	November 12, 2021	Email		A HWN representative emailed the	

				Enbridge Gas representative advising them they were unable to provide monitors for fieldwork. The HWN representative requested that the Enbridge Gas representative provide updates regarding the fieldwork and a copy of the draft report for review.	
7.10	November 16, 2021	Email	An Enbridge Gas representative emailed the HWN representative confirming they would provide a summary of archaeology fieldwork activities for the week of November 15, 2021, for the Project. The Enbridge Gas representative advised they would provide the draft ER when completed. Additionally, the Enbridge Gas representative advised they are awaiting the revised quote for HWN's participation in the Project.		
7.11	November 17, 2021	Email	An Enbridge Gas representative emailed the HWN representative to provide a summary of phase one, Stage 2 AA field work activities from the previous day for the Project.		
7.12	November 18, 2021	Email	An Enbridge Gas representative emailed the HWN representative to provide a summary of phase one, Stage 2 AA field work activities from the previous day for the Project.		
7.13	November 22, 2021	Email	An Enbridge Gas representative emailed the HFN representative to provide phase one Stage 2 AA for the Project and a website link with login information to sample		Please see line-item attachment 7.13.

			photos taken over the duration of the fieldwork.		
7.14	November 24, 2021	Email		An HWN representative emailed the Enbridge Gas representative to inquire with respect to the billing information for the Project.	
7.15	November 24, 2021	Email	An Enbridge Gas representative emailed the HWN representative to provide the Project billing information.		
7.16	November 25, 2021	Email		An HWN representative emailed the Enbridge Gas representative to provide an invoice for the Project. The HWN representative requested the draft report from Stage 2 AA when available.	
7.17	December 3, 2021	Email	An Enbridge Gas representative emailed the HWN representative providing a website link to a draft ER for the Project. The Enbridge Gas representative requested comments back by January 17, 2022.		Please see line-item attachment 7.17.
7.18	January 6, 2021	Email	An Enbridge Gas representative emailed the HWN representative following up on their request for feedback regarding the draft ER for the Project.		
7.19	March 3, 2021	Email	An Enbridge Gas representative emailed the HWN representative to ask for feedback on an amended version of the draft Stage 1 AA report by April 4, 2022.		
7.20	March 7, 2021	Email		An HWN representative emailed the Enbridge Gas	

				representative to provide a quote for the amended Stage 1 AA report. The HWN representative also asked for a refreshed link to the Stage 1 AA report.	
7.21	March 16, 2022	Email	An Enbridge Gas representative emailed the HWN representative advising them of the upcoming archaeology work to take place the week of May 9, 2022.		
7.22	March 18, 2022	Email		An HWN representative emailed the Enbridge Gas representative to provide the Stage 2 AA quote for the HWN's participation.	
7.23	March 20, 2022	Email	An Enbridge Gas representative emailed the HWN representative to confirm receipt of the Stage 2 AA quote.		
7.24	March 30, 2022	Email	An Enbridge Gas representative emailed the HWN representative following up on the request to be provided a refreshed link for Stage 1 AA. The Enbridge Gas representative provided the refreshed link for Stage 1 AA.		
7.27	January 27, 2023	Email	An Enbridge Gas representative emailed the HWN representative to advise that they had inadvertently left off the initial notifications pertaining to the first round of field work in relation to Stage 2 AA field work. Enbridge Gas advised that the first round took place in the fall, and there were no finds and that the associated report is		

			forthcoming. The Enbridge Gas representative advised that there will be another round pertaining to phases 4 and 5 in the spring of 2023 and Enbridge Gas will ensure that they receive an invitation to participate.		
7.28	January 27, 2023	Phone Call	An Enbridge Gas representative called the HWN representative to follow up on the January 27th email. The Enbridge Gas representative called to discuss the Project, to ask if HWN had any questions and to ensure contact information was still correct. The Enbridge Gas representative provided a brief Project update and advised the HWN representative of things that were still forthcoming.	HWN advised that due to a staff changeover there was a bit of a disconnect regarding the Project. HWN advised they would email updated contact information and advised that they would still be interested in any fieldwork or commenting on any reports.	
7.29	January 27, 2023	Email		An HWN representative emailed the Enbridge Gas representative to provide updated contact information.	
7.30	January 27, 2023	Email	An Enbridge Gas representative emailed the HWN representative to confirm receipt of the email and advise that they will provide the Stage 2 AA report once it is completed. The Enbridge Gas representative advised that they would ensure that all communication regarding the Project is sent to the new contact.		
7.31	February 16, 2023	Email	An Enbridge Gas representative emailed the HWN representative to provide the archaeological field memo detailing the high-level results and pictures from the Stage 2 AA field work for Phases 1-2 and photo documentation for Phase 3 related to the		Please see line-item attachment 7.31

			Project. The Enbridge Gas representative informed them that a detailed report is forthcoming and as soon as it is received it will be provided to the Nation for review and comment.		
7.32	April 27, 2023	Email	An Enbridge Gas representative emailed the HWN representative to provide them a proposed fieldwork schedule for the ELC and SAR work for Phase 4 for the Project. The Enbridge Gas representative asked if they could advise if they had ability to participate.		
7.33	May 3, 2023	Email	An Enbridge Gas representative emailed the HWN representative to inform them that Enbridge Gas is proposing to file an updated application with the OEB no later than June 30, 2023, seeking an order granting leave to construct natural gas pipelines and facilities. The specific pipeline facilities for which the Company is seeking OEB approval consists of the aforementioned Supply Lateral and Eastern Reinforcement; however, the Eastern Reinforcement has since been reduced to approximately 8 km of NPS 6-inch XHP ST natural gas pipeline. There is no change to the proposed Supply Lateral. Please see the attachment (Figure 1) for the updated map of the Project. Stantec has reviewed the updated Project scope, as outlined above, in comparison to the information presented in the 2021 Environment Report and have determined that the updated Project scope is sufficiently covered in the Environmental Report, and that no adjustments or		Please see line-item attachment 7.33.

			revisions to the Environmental Report are necessary.		
7.34	May 4, 2023	Email		An HWN representative emailed the Enbridge Gas representative to advise that they would like to participate when there is trenching work being done. The HWN representative advise that they would like to be present should an HDD be drilled in sub layers with the clear indication that any artifact encountered requires notice.	
Kawartha Nishnawbe First Nation (KNFN)					
Line Item	**Date**	**Method**	**Summary of Enbridge Gas Inc. ("Enbridge Gas") Engagement Activity**	**Summary of Community's Engagement Activity**	**Issues or Concerns raised and how addressed by Enbridge Gas including any substantive Attachments**
8.0	October 21, 2021	Email	An Enbridge Gas representative emailed the Kawartha Nishnawbe First Nation representative ("KNFN") providing a Project notification letter for the Project. The letter provided an overview of the proposed Project, a list of potential authorizations required, and contact information for the Ministry of Energy. The letter advised an Environmental Study of construction and operation activities would be undertaken. The letter requested community feedback on the proposed Project to avoid, minimize or mitigate potential adverse impacts on Aboriginal or Treaty rights.		Please see line-item attachment 8.0.
8.1	October 22, 2021	Email	An Enbridge Gas representative emailed the KNFN representative		Please see line-item attachment 8.1.

			providing a Project Summary, the Phase 1 Stage 1 AA, an explanation of a planned Phase 2 Stage 1 AA, an overview of planned Stage 2 activities and a Project map.		
8.2	October 28, 2021	Email	An Enbridge Gas representative emailed the KNFN representative following up on the October 22, 2021, email notification inquiring if KNFN was interested in participating in field work regarding Phase 1 Stage 2 AA for the Project		
8.3	December 3, 2021	Email	An Enbridge Gas representative emailed the KNFN representative providing a website link to a draft ER for the Project. The Enbridge Gas representative requested comments back by January 17, 2022.		Please see line-item attachment 8.3.
8.4	January 6, 2022	Email	An Enbridge Gas representative emailed the KNFN representative following up on their request for feedback regarding the draft ER for the Project.		
8.5	February 16, 2023	Email	An Enbridge Gas representative emailed the KNFN representative to provide the archaeological field memo detailing the high-level results and pictures from the Stage 2 AA field work for Phases 1-2 and photo documentation for Phase 3 related to the Project. The Enbridge Gas representative informed them that a detailed report is forthcoming and as soon as it is received it will be provided to the Nation for review and comment.		Please see line-item attachment 8.5.
8.6	April 5, 2023	Email	An Enbridge Gas representative emailed the KNFN representative in response to an email from the OEB. The Enbridge Gas representative offered the		

			opportunity to have an in-person meeting at KNFN's earliest convenience to bring them up to speed on all Enbridge Gas projects.		
8.7	April 5, 2023	Email		A KNFN representative emailed the Enbridge Gas representative to advise that they could meet as soon as the Enbridge Gas representative was available.	
8.8	April 5, 2023	Email	An Enbridge Gas representative emailed the KNFN representative to ask if they would be open to meeting in person and provided them with an approximate day to meet when the Enbridge Gas representative would be in the area.		
8.9	April 5, 2023	Email		A KNFN representative emailed the Enbridge Gas representative to advise that the suggested date worked.	
8.10	April 7, 2023	Email	An Enbridge Gas representative emailed the KNFN representative to clarify if April 12, 2023 would be a good day to meet.		
8.11	April 7, 2023	Email		A KNFN representative emailed the Enbridge Gas representative to advise that this worked and asked to be provided a time.	
8.12	April 7, 2023	Email	An Enbridge Gas representative emailed the KNFN representative to advise they were in the area and to confirm that the 12th still worked to meet.		
8.13	April 17, 2023	Email	An Enbridge Gas representative emailed the KNFN representative regarding another ongoing		

			Enbridge Gas project to advise they have been hoping to meet virtually or in person and were looking forward to potentially meeting in person last week when they were in the area. The Enbridge Gas representative acknowledged how busy KNFN is and that they would appreciate the opportunity to meet. The Enbridge Gas representative noted that they have sent over information about multiple Enbridge Gas projects and would like the opportunity to provide an update and work as a team through the process. The Enbridge Gas representative again expressed the desire to meet and noted that they would be in the area again this upcoming week.		
8.14	April 17, 2023	Email		A KNFN representative emailed the Enbridge Gas representative to provide a meeting time for April 20, 2023.	
8.15	April 17, 2023	Email	An Enbridge Gas representative emailed the KNFN to confirm receipt of the email and asked for them to confirm a location to meet.		
8.16	April 20, 2023	Email	An Enbridge Gas representative emailed the KNFN to advise that they were in the area and asked for confirmation of the location and time for the meeting.		
8.17	April 20, 2023	Email		A KNFN representative emailed the Enbridge Gas representative to provide a meeting location and to advise they could meet as soon as the Enbridge Gas	

				representative was available.	
8.18	April 20, 2023	Email	An Enbridge Gas representative emailed the KNFN representative to advise that the meeting would need to be in a public location rather than a private residence.		
8.19	April 20, 2023	Email		A KNFN representative emailed the Enbridge Gas representative and advised that due to the sensitivity of the topics being discussed they would prefer a more private location. The KNFN offered another meeting location at the rapids in Burleigh Falls, unless another private meeting location could be arranged by the Enbridge Gas representative.	
8.20	April 20, 2023	Email	An Enbridge Gas representative emailed the KNFN representative acknowledging the concerns around the sensitive subjects being discussed and offered to arrange a meeting room in Peterborough to have a meeting.		
8.21	April 20, 2023	Email		A KNFN representative emailed the Enbridge Gas representative to confirm that this meeting room would work.	
8.22	April 20, 2023	Email	An Enbridge Gas representative emailed the KNFN representative to confirmed the meeting time and location in Peterborough.		
8.23	April 24, 2023	Email		A KNFN representative emailed the	

				Enbridge Gas representative advising that the proposed meeting time would not work and asked if they could reschedule to a later time in the day. The KNFN representative advised they were not sure if other KNFN representatives would be in attendance.	
8.24	April 25, 2023	Email	An Enbridge Gas representative emailed the KNFN representative confirming a new meeting time.		
8.25	April 25, 2023	Email		Another KNFN representatives emailed the Enbridge Gas representative to advise that they would not be able to attend the meeting.	
8.26	April 25, 2023	Email	An Enbridge Gas representative emailed the KNFN representative confirming receipt of this email.		
8.27	April 25, 2023	Email		KNFN representatives emailed the Enbridge Gas representative to advise that they would still be interested in meeting and confirmed the location and time.	
8.28		Email	An Enbridge Gas representative emailed the KNFN representative confirming the location and time for the meeting.		
8.29	April 25, 2023	In-person meeting	An Enbridge Gas representative and a KNFN representative met to discuss the Project. The Enbridge Gas representative provided an overview of	The KNFN representative expressed general concerns regarding potential impacts on land, water, fish	The KNFN representative expressed general concerns regarding potential impacts on land, water, fish and harvesting and inquired about construction methods.

			Enbridge Gas projects in the area, related processes and ERs.	and harvesting and inquired about construction methods.	The Enbridge Gas representative committed to resending the ER and advised that they would like to set up a meeting between KNFN representatives and Enbridge Gas' environmental team to discuss KNFN's concerns.
8.30	April 26, 2023	Email	An Enbridge Gas representative emailed the KNFN representative to follow up on the in-person meeting they had the day prior on April 25, 2023. The Enbridge Gas representative provided an overview of KNFN's concerns and advised they would plan a meeting including Enbridge Gas's environment team to provide further information.		
8.31	April 27, 2023	Email	An Enbridge Gas representative emailed the KNFN representative to provide them a proposed fieldwork schedule for the ELC and SAR work for Phase 4 for the Project. The Enbridge Gas representative asked if they could advise if they had ability to participate.		
8.32	May 3, 2023	Email	An Enbridge Gas representative emailed the KNFN representative to inform them that Enbridge Gas is proposing to file an updated application with the OEB no later than June 30, 2023, seeking an order granting leave to construct natural gas pipelines and facilities. The specific pipeline facilities for which the Company is seeking OEB approval consists of the aforementioned Supply Lateral and Eastern Reinforcement; however, the Eastern Reinforcement has since been reduced to approximately 8 km of NPS 6-inch XHP ST natural gas pipeline. There is no change to the proposed Supply Lateral. Please see the attachment (Figure 1) for		Please see line-item attachment 8.32.

			the updated map of the Project. Stantec has reviewed the updated Project scope, as outlined above, in comparison to the information presented in the 2021 Environment Report and have determined that the updated Project scope is sufficiently covered in the Environmental Report, and that no adjustments or revisions to the Environmental Report are necessary.		
Mississauga's of Scugog Island First Nation (MSIFN)					
Line Item	**Date**	**Method**	**Summary of Enbridge Gas Inc. ("Enbridge Gas") Engagement Activity**	**Summary of Community's Engagement Activity**	**Issues or Concerns raised and how addressed by Enbridge Gas including any substantive Attachments**
9.0	August 31, 2021	Email	An Enbridge Gas representative emailed the MSIFN representative to provide a Project notification letter for the Project. The letter provided an overview of the proposed Project, a list of potential authorizations required, and contact information for the Ministry of Energy. The letter advised an Environmental Study of construction and operation activities would be undertaken. The letter requested community feedback on the proposed Project to avoid, minimize or mitigate potential adverse impacts on Aboriginal or Treaty rights.		Please see line-item attachment 9.0.
9.1	September 16, 2021	Email	An Enbridge Gas representative emailed the MSIFN representative providing a website link for the VOH.		Please see line-item attachment 9.1
9.2	October 5, 2021	Email	An Enbridge Gas representative emailed the MSIFN representative following up on their August 31, 2021, email that		

			provided a Project notification letter. The letter provided an overview of the proposed Project, a list of potential authorizations required, and contact information for the Ministry of Energy. The letter advised an Environmental Study of construction and operation activities would be undertaken. The letter requested community feedback on the proposed Project to avoid, minimize or mitigate potential adverse impacts on Aboriginal or Treaty rights.		
9.3	October 8, 2021	Email		An MSIFN representative emailed the Enbridge Gas representative indicating they reviewed the information provided about the Project VOH and would like to receive Project updates. The MSIFN representative inquired if capacity funding was available for the Project impacts, primarily on watercourses, waterbodies, and wetlands.	Please see line-item attachment 9.3. MSIFN asked about capacity funding for the Project impacts, primarily on watercourses, waterbodies, and wetlands. Enbridge Gas responded to the question on October 28, 2021.
9.4	October 22, 2021	Email	An Enbridge Gas representative emailed the MSIFN representative providing a Project Summary, the Phase 1 Stage 1 AA, an explanation of a planned Phase 2 Stage 1 AA, an overview of planned Stage 2 activities and a Project map.		Please see line-item attachment 9.4.
9.5	October 28, 2021	Email	An Enbridge Gas representative emailed the MSIFN representative following up on the October		

			22, 2021, email notification inquiring if MSIFN was interested in participating in field work regarding Phase 1 Stage 2 AA for the Project		
9.6	October 28, 2021	Email	An Enbridge Gas representative emailed the MSIFN representative acknowledging the capacity support required to engage in meetings and provided Enbridge Gas's general practice regarding capacity support. Enbridge Gas representative inquired about the sense of capacity support the community required and noted they were committed to ensuring the community could participate.		
9.7	November 11, 2021	Email	An Enbridge Gas representative emailed the MSIFN representative inquiring if they were still providing representatives to participate in archaeological field work the following week. Enbridge Gas representative provided the field work schedule, a map of the meeting point, a safety training presentation, a COVID-19 protocol document and site access health assessment waiver, invoicing information and requested MSIFN provide their monitor's contact information and estimate for the field work.		
9.8	November 11, 2021	Email		An MSIFN representative emailed the Enbridge Gas representative and advised them they were unable to provide monitors and noted they were working to have monitors available in the future. MSIFN	

				representative recommended Enbridge Gas contact additional Williams Treaty First Nations regarding the monitoring work and noted they would contact Enbridge Gas representative regarding the budgets for review.	
9.9	November 12, 2021	Email	An Enbridge Gas representative emailed the MSIFN representative advising they would ensure MSIFN remained informed of the archaeological activities for the Project.		
9.10	November 18, 2021	Email	An Enbridge Gas representative emailed the MSIFN representative to provide a summary of phase 1, Stage 2 AA field work activities from the previous day for the Project.		
9.11	November 18, 2021	Email	An Enbridge Gas representative emailed the MSIFN representative to provide a summary of phase 1, Stage 2 AA field work activities from the previous day for the Project.		
9.12	November 18, 2021	Email		An MSIFN representative emailed the Enbridge Gas representative advising them they had received approval to provide budgets for the Project.	
9.13	November 19, 2021	Email	An Enbridge Gas representative emailed the MSIFN representative confirming budget approval for the proposed Project and provided billing information and requirements for the Project.		

9.14	November 22, 2021	Email	An Enbridge Gas representative emailed the MSIFN representative to provide phase 1 Stage 2 AA for the Project and a website link with login information to a sample of photos taken over duration of the fieldwork.		Please see line-item attachment 9.14.
9.15	November 22, 2021	Email		An MSIFN representative emailed the Enbridge Gas representative inquiring about the regulatory timelines and when MSIFN feedback was required for the Project.	
9.16	November 30, 2021	Email		An MSIFN representative emailed the Enbridge Gas representative requesting an ER for the Project.	
9.17	November 30, 2021	Email	An Enbridge Gas representative emailed the MSIFN representative to indicate they would follow up regarding the 2017 Project ER. Enbridge Gas representative advised they would provide the 2021 ER for the Project when available.		
9.18	December 3, 2021	Email	An Enbridge Gas representative emailed the MSIFN representative providing a website link to a draft ER for the Project. The Enbridge Gas representative requested comments back by January 17, 2022.		Please see line-item attachment 9.18.
9.19	January 6, 2022	Email	An Enbridge Gas representative emailed the AFN representative following up on their request for feedback regarding the draft ER for the Project.		
9.20	January 19, 2022	Email		An MSIFN representative	Please see line-item attachment 9.20

				emailed the Enbridge Gas representative to provide a letter with MSIFN's comments on the Projects ER.	MSIFN inquired about the measures that are being taken to ensure pipeline integrity and the potential of transporting alternative fuels like hydrogen and/or blends of hydrogen and natural gas in the near-term. MSIFN also inquired about the *Fisheries Act* "Self-Assessment" process no longer being in place and whether it included the "Measures to Protect Fish and Fish Habitat;" noting that if it did it should outline how each of these measures will be met. MSIFN inquired about the use of HDD, the risk of HDD and commented that a more detailed mitigation should be outlined, including the timing of the HDD as informed by DFO guidance and Indigenous knowledge. MSIFN noted that there should be further explanation as to why HDD was the best crossing method and that a detailed drilling plan should be prepared and provided to MSIFN for review and comment. MSIFN recommended specific mitigation plans for HDD based on its concern about the potential release of drilling fluid. MSIFN inquired about species at risk and how impacts will be mitigated. In this regard, MSIFN provided recommendations regarding vegetation clearing MSIFN referred to water wells in the area as well as the permeability of the soil

					and the associated need for detailed mitigation measures for the protection of groundwater. MSIFN noted the sub-watersheds in the area and suggested that as up-to-date information as possible be collected for Aquatic Habitat Assessments. MSIFN referenced threatened and endangered terrestrial species in the area and the need to consider potential impacts and mitigation measures, including invasive species management. MSIFN also expressed concern regarding the pipeline route serving as a preferential pathway for surface water movement and the concern about contaminated sites in the vicinity. MSIFN noted potential concerns about the integrity of fencing for herpetofauna and the need for further detail. MSIFN expressed interest in receiving the EPP for review and comment as there may be interest in providing environmental monitors.
9.21	January 20, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative confirming receipt of MSIFN's comments. Enbridge Gas representative advised they were working internally to develop a response and would provide it by February 18, 2022.		
9.22	February 17, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative		Please see line-item attachment 9.22.

			providing a response letter to MSIFN's comments on the Project's ER.		Enbridge Gas provided information regarding its focus on safety and pipeline integrity and the ability of new pipelines to accept a blend with hydrogen. Enbridge Gas advised that the ER would be updated to reflect the change with respect to the "self-assessment" and that mitigation and protective measures will be implemented accordingly. With respect to HDD, Enbridge Gas advised that HDD is an industry best practice as a crossing method in which there is no disturbance to the bed and banks of a waterbody because the pipeline is beneath the sensitive feature and noted the timing windows for in-water work crossings. Enbridge Gas advised where in the ER additional mitigation and protective measures for aquatic species habitat as well as contingency plans for inadvertent releases of drilling fluid could be found. Enbridge Gas noted that it would be pleased to have further discussions regarding HDD and other crossing methods and applicable mitigation measures. Enbridge noted the various mitigation measures relating to bats. Enbridge Gas also explained how impacts to watercourses and groundwater are mitigated, specifically noting the completion of a geotechnical/hydrogeology program for the Project. In addition, Enbridge Gas explained: how fish and fish

					habitat would be protected; post-construction monitoring; mitigation measures for invasive species; mitigation and protective measures related to soils, particularly in relation to encountering contaminated sites; and mitigation and protective measures for Blanding's turtles (including exclusion fencing and species at risk surveys).
9.23	March 4, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative to ask for feedback on an amended version of the draft Stage 1 AA report by April 4, 2022.		
9.24	March 16, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative to inquire if they were able to review the amended Stage 1 AA by April 4, 2022.		
9.25	March 16, 2022	Email		An MSIFN representative emailed the Enbridge Gas representative to advise that they had received the report and planned to provide responses by the April 4, 2022, deadline.	
9.26	March 16, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative with respect to the upcoming Stage 2 archaeology work that was to start the week of May 9, 2022.		
9.27	April 4, 2022	Email		An MSIFN representative emailed the Enbridge Gas representative to ask if they could have an extension related to the	

				comments on the Stage 1 AA for the Project.	
9.28	April 4, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative to advise that an extension regarding the comments on Stage 1 AA would be fine.		
9.29	April 4, 2022	Email		An MSIFN representative emailed the Enbridge Gas representative to thank them for the extension.	
9.30	April 8, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative to follow up on the Stage 1 AA comments for the Project.		
9.31	April 8, 2022	Email		An MSIFN representative emailed the Enbridge Gas representative to thank them for the extension but noted they would not be able to provide them until the following week.	
9.32	April 12, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative to advise that, due to the tight timeline, they needed their comments to be submitted by end of day in order for them to be incorporated into the report; however, if MSIFN had any comments, they could be incorporated into a future report.		

9.33	April 12, 2022	Email		An MSIFN representative emailed the Enbridge Gas representative providing the comments on the Stage 1 AA for the Project. The MSIFN representative requested updates on the Project.	Please see line-item attachment 9.33 MSIFN acknowledged the findings in Stage 1 AA and requested the opportunity to receive and review Stage 2 AA for portions of the study retaining archaeological potential. MSIFN requested to receive correspondence between Enbridge Gas and Parks Canada, with respect to any AA permissions for any portion of the Project route that is proposed to cross the Bobcaygeon River through property owned by Parks Canada requiring assessment under Parks Canada policy and standards. MSIFN noted that these specific areas have the highest degree of archaeological potential, and that the Project study area includes the Bobcaygeon Lock and associated infrastructure, which is under the jurisdiction and operations of Parks Canada. The MSIFN representative requested updates on the Project. Enbridge Gas responded on May 11, 2022, to MSIFN's comments.
9.34	April 13, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative to confirm receipt of the comments on the Stage 1 AA for the Project.		
9.35	April 27, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative to advise them of the fieldwork regarding the Project. The Enbridge Gas representative advised them that the fieldwork is		

			specific to breeding bird surveys, butternut health assessment, orchid survey, black ash/ELC and archaeology and provided specifics regarding that work.		
9.36	April 27, 2022	Email		An MSIFN representative emailed the Enbridge Gas representative to advise they are looking into having a monitor for three days regarding the orchid survey, butternut and black ash assessment, and the ELC and would advise when they had a schedule. The MSIFN representative advised that they are reviewing the archaeology.	
9.37	April 28, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative to confirm receipt of the email and that they had provided the information regarding the interest of participation in the Project monitoring to the Enbridge Gas environment team.		
9.38	May 11, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative to follow up on the April 27, 2022, email and remind them of the upcoming fieldwork taking place for the Project.		
9.39	May 11, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative to provide a response to comments made on Stage 1 AA.		Please see line-item attachment 9.39 With respect to MSFN's comments on Parks Canada and the application of Parks Canada standards and policy, there are no easements

					owned by Parks Canada along the proposed Project's pipeline alignment. As a result, Enbridge Gas has not engaged with Parks Canada regarding archaeology work and will proceed with archaeology work as per the *MSTCI Standards and Guidelines for Consultant Archaeologists, 2011.*
9.40	May 12, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative to provide the link to the Phase 1 ELC and HA related to the Project. The Enbridge Gas representative requested to receive comments by June 8, 2022, and if they require more time to please let them know. The Enbridge Gas representative provided the necessary log information in order to review the information. The Enbridge Gas representative offered capacity funding support in order to support MSIFN's review of the Project documents and participation in archaeological work and consultation.		Please see line-item attachment 9.40
9.41	May 26, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative that the upcoming archaeology work for the Stage 2 AA is proposed for June 6, 2022, but advised that it is subject to locates and weather.		
9.42	June 3, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative that the upcoming archaeology work for the Stage 2 AA that was proposed for June 6, 2022, has been delayed. The Enbridge Gas representative advised that they still hoped to complete the work by the end of June 2022. The Enbridge Gas representative asked that MSIFN let them		

			know if they wanted to participate.		
9.43	June 3, 2022	Email		An MSIFN representative emailed the Enbridge Gas representative to confirm that MSIFN is interested in participating in the tree survey work in July, but in regard to the other studies, MSIFN can be provided with draft reports when available	
9.44	June 3, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative to confirm receipt of the June 3, 2022, email and that they would forward the email to the Enbridge Gas environmental team.		
9.45	June 30, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative to remind them of the upcoming fieldwork related to the Project. The Enbridge Gas representative wanted to know if there would be an MSIFN representative participating in the scheduled work on July 6-9, 2022, for the ELC, orchid, butternut and black ash surveys for Phases 2-3.		
9.46	July 5, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative to provide a reminder about the upcoming fieldwork for the Project and to inquire if the MSIFN will be participating.		
9.47	July 6, 2022	Email		An MSIFN representative emailed the Enbridge Gas representative and advised that they would be unable to	

				participate in the field surveys and that they would like to continue to be updated on both results of the surveys and future fieldwork taking place.	
9.48	July 6, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative to confirm receipt of the email.		
9.49	July 13, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative to follow up on an email on May 12, 2022, and asked if they had any comments regarding the ELC and HA.		
9.50	July 9, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative to advise that there is additional work required for the Project and inquired if they were interested in participating.		
9.51	August 11, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative to inquire if they had received Enbridge Gas responses to their comments on the Project's ER.		
9.52	September 13, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative, a website link to the completed Stage 1 AA that was accepted by the MTCS. The Enbridge Gas representative noted that Enbridge Gas would be interested in any feedback.		
9.53	September 23, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative to provide them with an update on the Project's scheduled Stage 2 AA update and provide them with the scheduled fieldwork days.		

9.54	September 28, 2022	Email		An MSIFN representative emailed the Enbridge Gas representative to advise that they would not be able to attend the scheduled fieldwork for the Project.	
9.55	September 28, 2022	Email	An Enbridge Gas representative emailed the MSIFN representative to confirm receipt of the email and that they would provide Project information as it became available.		
9.56	February 16, 2023	Email	An Enbridge Gas representative emailed the MSIFN representative to provide the archaeological field memo detailing the high-level results and pictures from the Stage 2 AA field work for Phases 1-2 and photo documentation for Phase 3 related to the Project. The Enbridge Gas representative informed them that a detailed report is forthcoming and as soon as it is received it will be provided to the Nation for review and comment.		Please see line-item attachment 9.56
9.57	April 27, 2023	Email	An Enbridge Gas representative emailed the MSIFN representative to provide them a proposed fieldwork schedule for the ELC and SAR work for Phase 4 for the Project. The Enbridge Gas representative asked if they could advise if they had ability to participate.		
9.58	April 27, 2023	Email		An MSIFN representative emailed the Enbridge Gas representative to advise that they would be unable to participate due to limited capacity and distance from their respective locations. The	

				MSIFN representative advised they want to be kept up to date on future natural heritage field work in the MSIFN area.	
9.59	April 27, 2023	Email	An Enbridge Gas representative emailed the MSIFN representative to confirm receipt of the email and ask if there was anything Enbridge Gas could do to help with capacity issues and asked if photos or videos could be provided.		
9.60	May 3, 2023	Email	An Enbridge Gas representative emailed the MSIFN representative to inform them that Enbridge Gas is proposing to file an updated application with the OEB no later than June 30, 2023, seeking an order granting leave to construct natural gas pipelines and facilities. The specific pipeline facilities for which the Company is seeking OEB approval consists of the aforementioned Supply Lateral and Eastern Reinforcement; however, the Eastern Reinforcement has since been reduced to approximately 8 km of NPS 6-inch XHP ST natural gas pipeline. There is no change to the proposed Supply Lateral. Please see the attachment (Figure 1) for the updated map of the Project. Stantec has reviewed the updated Project scope, as outlined above, in comparison to the information presented in the 2021 Environment Report and have determined that the updated Project scope is sufficiently covered in the Environmental Report, and that no adjustments or revisions to the		Please see line-item attachment 9.60

			Environmental Report are necessary.		
9.61	May 3, 2023	Email		An MSIFN representative emailed the Enbridge Gas representative to thank them for the update and attaching the map. The MSIFN representative wanted to confirm that the only change to the Project scope is the Eastern Reinforcement portion decreasing from 13km to 8km pipeline? The MSIFN representative wanted to confirm if this section is going to be following the same route as reviewed in the 2021 ER. The MSIFN representative wants to ensure any potential new impacts are accounted for.	
9.62	May 3, 2023	Email	An Enbridge Gas representative emailed the MSIFN representative to confirm that there are no new impacts anticipated, the Study Area reviewed in the 2021 ER still covers the revised scope. The Enbridge Gas representative advised that the supply lateral scope has not changed, and they are correct that the eastern reinforcement is being reduced from 13km to 8km.		

Line-Item Attachment 1.0

From: Melanie Book <Melanie.Book@enbridge.com>
Sent: Tuesday, August 31, 2021 2:45 PM
To: dmowat@alderville.ca
Cc: consultation@alderville.ca
Subject: Project Initiation- Bobcaygeon Community Expansion Project

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Afternoon Chief Mowat,
Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon CommunityExpansion Project,* attached.

Project Summary:
Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached, for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking Alderville First Nation's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

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Stantec

ENBRIDGE
Life Takes Energy™

August 31, 2021

Attention: Chief Dave Mowat,
Alderville First Nation
11696 Line Rd 2
Roseneath K0K 2X0

Dear Chief Mowat,

Reference: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Study Commencement and Virtual Open House

I am writing to advise you of an upcoming gas pipeline project in the Bobcaygeon area, in the Williams Treaties Traditional Territory. Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of upto approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.

The proposed Project is divided into two components: the Supply Lateral, and the Reinforcement, each ofwhich have two (2) routes being considered. For the Supply Lateral, both routes will start near Cowan's Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channel. An alternate route is being considered which has a minor deviation east alongTraceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon LakeRoad. For the Reinforcement, both route options require the reinforcement portion which starts near the intersection of Marina St. and Peace Road, travels east on Peace Road and south on Emily Park Road toStewarts Line where it will end. An additional reinforcement pipeline is required on Highway 35 between Bethany Hills Road and Mt Horeb Rd, with an alternate route along Mt Horeb Road and St. Marys Road, ending at Bethany Hills Road.

The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential forTemporary Working Space (TWS).

For further details, please refer to the attached map.

As part of the planning process, Enbridge Gas has retained Stantec Consulting Ltd. (Stantec) to undertake an Environmental Study for the Project. The Environmental Study will fulfill the requirements of the OntarioEnergy Board's (OEB) *"Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)".*

An Environmental Report, summarizing the results of the Environmental Study, will accompany Enbridge Gas' application to the OEB as part of their Leave to Construct application. It is anticipated that the Environmental Report for the study will be completed in Winter 2021. The OEB's review and approval is required before the proposed Project can proceed. If approved, construction is currently anticipated to beginin early 2023.

Stantec

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Stantec is presently compiling an environmental, socio-economic, and archaeological/cultural heritage inventory of the Study Area. As an Indigenous community with a potential interest in the Study Area, we areinviting Alderville First Nation to provide comments and feedback regarding the proposed Project.

Specifically, we are seeking information about areas that may be culturally significant to your community inthe study area and information about potential effects that the Project may have on asserted or establishedAboriginal and treaty rights, and any measures for mitigating those adverse impacts.

Stantec

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As part of the Environmental Study, Enbridge Gas is also in the process of contacting the followingagencies:

- Indigenous and Northern Affairs Canada; and
- Ontario Ministry of Indigenous Relations and Reconciliation.

As a result of the physical distancing requirements set out by the Province of Ontario due to COVID-19, aVirtual Open House will be held in place of an in-person Open House.

The Virtual Open House will be available for two weeks starting on **September 13, 2021** and finishingon **September 27, 2021,** at www.solutions.ca/BobcaygeonEA

A questionnaire will be available as part of the Virtual Open House, and you will have the ability tosubmit comments and/or questions about the proposed Project. In addition, a copy of the Virtual Open House story boards will be available on the Enbridge Gas project website at:
https://www.Enbridgegas.com/BobcaygeonProject

Enbridge Gas is committed to meaningful engagement with Indigenous communities. As such, we would be interested in holding a conference call with Alderville First Nation to share project related information, shouldyou wish. If you have any questions, would like to provide feedback, share knowledge, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with Alderville First Nation to ensure your interests are being considered and represented.

We kindly request that any initial input and comments regarding the Project are provided by your community by **October 12, 2021**. Please let us know if you are unable to respond by this date butareinterested in participating in the consultation process for the Project.

If you have questions or concerns regarding the Bobcaygeon Community Expansion Project, please do nothesitate to contact me directly.

Regards,

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes

PH: 613-784-6814

Melanie.book@enbridge.com

Attachment: Figure 1 – Study Area Map

Line-item attachment 1.1

Sent: Thursday, September 16, 2021 2:06 PM
To: consultation@alderville.ca
Cc: Matthew Chegahno
Subject: Virtual Open House- Bobcaygeon Community Expansion Project

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good ~~Afternoon~~ Dave,

I hope this email finds you well as we all start returning from summer vacations and gear up for a busy Fall.

I'm writing to you today to notify you that the Virtual Open House (VOH) for Enbridge Gas' Bobcaygeon Community Expansion Project is now live and underway. Please feel free to click here to access the VOH - I think you'll find that it has lots of rich information, including a project map, project overview, the process behind the environmental study, as well as a section on next steps. I'd like to kindly invite you, and anyone else in your community that may be interested, to have a look around the website to learn more about the Project.

If you have any questions or feedback on the project, or just want to speak with me directly about it, please do not hesitate to contact me and I will be sure to schedule some time for us.

Thanks in advance,

Melanie

Melanie Book
Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Strategiste,
Engagement communautaire et autochtone, Ontario, Quebec et Maritimes

Public Affairs, Communications & Sustainability

Affaires publiques, communications et developpement durable

—

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com400
Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

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Line-item attachment 1.3

From: Matthew Chegahno <matthew.chegahno@enbridge.com>
Sent: Friday, October 22, 202111:54 AM
To: consultation@alderville.ca
Cc: Melanie Book

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon Dave,

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:
Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

Stage 1:

Enbridge had a Stage 1 AA completed for a portion of the proposed project in 2006 (report attached), which has been accepted into the MHSTCI's archaeological register and confirmed by Stantec with the MHSTCI that the report could be grandfathered in for Phase One of this proposed project. As always, should your community have any additional insight into this area, we always appreciate the opportunity to proactively incorporate shared knowledge, in future reports.

An additional Stage 1 **AA** is being conducted for the Reinforcement section (Phase 2) of the pipeline as well as an additional buffer zone outside of the municipal right-of-way for the Supply Lateral to account for potential Temporary Working Space. Any supplementary draft Stage 1 Reports, for other phases of the proposed project, will be shared with your community for review, once prepared.

Stage 2:

Based on the results of the 2006 Stage 1 AA desktop review, a Stage 2 AA will be required along specific areas of the preferred pipeline route. Please note that this Stage 2 AA is related specifically to Phase One of the proposed project (see map attached), the Stage Two field work is planned for the following dates.

Proposed start date: November 16, 2021

Proposed end date: November 18, 2021

Please take time to review this information and advise if your community is interested in participating in this monitoring work. I would also kindly ask you to indicate whether you would like to be included in-person or virtually.

If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.

Thanks in advance and have a great weekend,

Matthew

Matthew Chegahno

Line-item attachment 1.4

From: Dave Simpson <consultation@alderville.ca>
Sent: Tuesday, October 26, 2021 2:00 PM
To: Matthew Chegahno <matthew.chegahno@enbridge.com>
Subject: [External] RE: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

CAUTION: EXTERNAL EMAIL
This email originated from outside Enbridge and could be a phish. Criminals can pretend to be anyone. Do not interact with the email unless you are 100% certain it is legitimate. Report any suspicious emails.

Thank you for the email but Alderville is not in Treaty 20, please seek input from Curve Lake Hiawatha and Scugog Island First Nations they are the signatories to Treaty 20 where Bobcaygeon is located in.

Thank you

Consultation coordinator
Dave Simpson
Alderville First Nation
consultation@alderville.ca
(905) 352-2662

Line-item attachment 1.5

From: Matthew Chegahno <matthew.chegahno@enbridge.com>
Sent: Friday, December 3, 2021 4:25 PM
To: Dave Simpson

Cc: Melanie Book

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good evening Dave,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite Alderville First Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

In the link below please find a copy of the draft ER for the Project.

www.enbridgegas.com/bobcaygeonproject

I would kindly ask that the community returns to me any comments or feedback on the draft ER for the Project ***by no later than January 17, 2022.***

Please be reminded that your community's review and comments are valued and will be used to help shape the approach for this project. If you have any issues with the link or questions about the report, please do not hesitate to contact me and I will work to have your inquiry resolved.

Chi-miigwetch in advance for your time and attention on this matter.

Matt

Matthew Chegahno
Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com
603 Kumpf Drive, Waterloo ON, N2J 4A4

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Line-item attachment 1.8

From: Dave Simpson <consultation@alderville.ca>
Sent: Tuesday, October 5, 202110:20 AM
To: Melanie Book <Melanie.Book@enbridge.com>
Subject: [External] RE: Project Initiation- Bobcaygeon Community Expansion Project

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or openattachments unless you recognize the sender or know the content is safe.

Thank you for the email Melanie but Alderville First Nation is not part of treaty 20 where this project is located. Curve Lake Hiawatha and Scugog Island are the signatories to this treaty and they should share any concerns that they may have.

Thank you

Consultation coordinator
Dave Simpson
Alderville First Nation
consultation@alderville.ca
(905} 352-2662

Line-item attachment 1.11

From: Melanie Green
To: Dave Simpson
Cc: Lauryn Graham
Subject: Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment
Date: Wednesday, May 11, 2022 3:29:23 PM
Attachments: mem_60951282_ELC_Memo_20220510_fnl.pdf

Good afternoon,

Please see attached ELC memo for your review related to the Bobcaygeon Community Expansion Project.

We are asking for comment and feedback on or before **June 8, 2022.** If you force requiring more time, please let me now.

As always, your feedback is appreciated and Enbridge acknowledges that capacity support may be required in order engage in timely reviews of the documents, participation in archaeological work associated with proposed projects, and to engage in meaningful consultation. We are prepared to provide capacity funding to support this work.

Thank you in advance,

Have a great rest of your day!

Mel

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

ENBRIDGE INC.
TEL: 613.747.4039 | Cell: 613.297.4365

Stantec

Memo

To:	Sarah Kingdon-Benson Enbridge Gas Inc.	From:	Brian Miller Stantec Consulting Ltd.
File:	160951282	Date:	May 10, 2022

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

This memo has been prepared to provide a summary of the vegetation community and habitat assessment field investigations conducted along Phase 1 of the proposed Bobcaygeon Community Expansion Project, a natural gas pipeline route to serve the community of Bobcaygeon, Ontario. Survey details are listed below in Table 1. The routes have been developed for purposes of an assessment of potential environmental and socioeconomic impacts and do not represent the final project scope and design that will provide access to natural gas to end-use customers.

Table 1 Survey Details and Summary

Survey Date	Surveyor(s)	Type of Survey
October 7, 2021	B. Miller	Roadside ELC and wildlife habitat assessment
October 8, 2021	B. Miller	Roadside ELC and wildlife habitat assessment

The purpose of these surveys was to identify natural and anthropogenic vegetation and wildlife habitat features to support a general assessment of their significance. The work included:

1. Roadside assessment of Ecological Land Classification (ELC) of vegetation communities.
2. Identification of wildlife habitat features including hibernacula, bat roosts, stick nests, seeps, and vernal pools
3. Complete a habitat assessment for Species at Risk (SAR) that may occur within the Study Area.

Identification and mapping of vegetation communities follows the protocols of the ELC field guide for Southern Ontario (Lee et al., 1998). Updates to vegetation community names and codes follow the 2008 catalogue of ELC vegetation communities. ELC mapping was completed to the finest level of resolution (Vegetation Type) where possible. Vegetation communities were first identified on aerial imagery and then confirmed in the field. Provincial significance of vegetation communities was based on the rankings assigned by the Natural Heritage Information Centre (NHIC 2021).

VEGETATION COMMUNITIES

ELC mapping of the linear Study Area along Centreline Road and Pigeon Lake Road is shown on Figures 1-1 to 1-10 (attached).

The Study Area is situated in a mostly rural or semi-rural setting with a mixture of natural vegetation communities, agricultural fields, and rural properties, and a small community at the north end of the Study Area next to Pigeon Lake. Thicket and woodland communities have a variable composition, but forests are generally dominated by eastern white cedar and trembling aspen or sugar maple and other hardwoods. Swamp communities are generally dominated by Freeman's (swamp) maple and/or trembling aspen. Marsh communities in the Study Area along the edge of Pigeon Lake are generally dominated by cattails. Standing water is common in many of these marsh communities.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

The vegetation community types are briefly described in Table 2 (below).

None of the vegetation communities listed below are considered rare in the province.

Table 2 Ecological Land Classification (ELC) Vegetation Types

ELC Code	ELC Community Name	Area (sq. m)
MEADOW COMMUNITIES		
MEMM3	Dry - Fresh Mixed Meadow	59172.4
MEMM3 / OAGM4	Dry - Fresh Mixed Meadow / Open Pasture	2280.4
MEMM3 / THDM2	Dry - Fresh Mixed Meadow / Dry - Fresh Deciduous Shrub Thicket	12946.8
MEMM3 / THDM4	Dry - Fresh Mixed Meadow / Dry - Fresh Deciduous Regeneration Thicket	18343.7
MEMM3 / THMM1	Dry - Fresh Mixed Meadow / Dry - Fresh Mixed Regeneration Thicket	6402.4
MEMM4 / THDM2-6	Fresh - Moist Mixed Meadow / Buckthorn Deciduous Shrub Thicket	939.2
THICKET COMMUNITIES		
THCM1	Dry - Fresh Coniferous Regeneration Thicket	5772.6
THCM2-1	Fresh - Moist White Cedar Coniferous Thicket	9100.5
THDM2-6	Buckthorn Deciduous Shrub Thicket	13433.9
THDM3	Dry - Fresh Deciduous Hedgerow Thicket	4134.7
THDM3-1	Buckthorn Deciduous Hedgerow Thicket	2923.8
THDM4	Dry - Fresh Deciduous Regeneration Thicket	3521.7
THDM4-1 / THDM2-6	Native Deciduous Regeneration Thicket / Buckthorn Deciduous Shrub Thicket	15387.3
THDM5	Fresh - Moist Deciduous Thicket	3133.5
THMM1	Dry - Fresh Mixed Regeneration Thicket	54818.7
THMM1 / MEMM3	Dry - Fresh Mixed Regeneration Thicket / Dry - Fresh Mixed Meadow	10376.1
THMM1 / MEMM4	Dry - Fresh Mixed Regeneration Thicket / Fresh - Moist Mixed Meadow	14360.9
THMM2 / SWT	Fresh - Moist Mixed Thicket / Thicket Swamp	15547.8
WOODLAND COMMUNITIES		
WODM4	Dry - Fresh Deciduous Woodland	7031.7
WODM5	Fresh - Moist Deciduous Woodland	2926.3
WODM5-1	Fresh - Moist Poplar Deciduous Woodland	886.8
PLANTATION COMMUNITIES		
TAGM1	Coniferous Plantation	14159.3

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

Table 2 Ecological Land Classification (ELC) Vegetation Types

ELC Code	ELC Community Name	Area (sq. m)
FOREST COMMUNITIES		
FODM5-10	Dry – Fresh Sugar Maple – White Birch – Poplar Deciduous Forest	5554.3
FODM5-11	Dry – Fresh Sugar Maple – Hardwood Deciduous Forest	1824.2
FODM5-3	Dry – Fresh Sugar Maple – Oak Deciduous Forest	3543.2
FODM5-8	Dry – Fresh Sugar Maple – White Ash Deciduous Forest	3311.5
FODM8-1	Fresh – Moist Poplar Deciduous Forest	8139.6
FOMM4	Dry – Fresh White Cedar Mixed Forest	4644.6
FOMM4-2	Dry – Fresh White Cedar – Poplar Mixed Forest	54834.6
FOMM5	Dry – Fresh White Birch – Poplar – Conifer Mixed Forest	3476.4
FOMM8-1	Fresh – Moist Poplar Mixed Forest	4481.8
FOMM8-1 / FOMM10-2	Fresh – Moist Poplar Mixed Forest / Fresh - Moist White Spruce - Hardwood Mixed Forest	4048.5
WETLAND - MARSH COMMUNITIES		
MAMM1-12 / MAMM1-2	Common Reed Graminoid Mineral Meadow Marsh / Cattail Graminoid Mineral Meadow Marsh	2796.2
MAMM3 / FODM8-1	Mixed Mineral Meadow Marsh / Fresh – Moist Poplar Deciduous Forest	1643.7
MAMO1-2 / SWTO5	Cattail Graminoid Organic Meadow Marsh / Organic Deciduous Thicket Swamp	6890.6
MASO1-1	Cattail Organic Shallow Marsh	40646.9
WETLAND - AQUATIC COMMUNITIES		
SAF_1	Floating-leaved Shallow Aquatic	6234.4
WETLAND - SWAMP COMMUNITIES		
SWDM3-3 / SWDM4-5	Swamp Maple Mineral Deciduous Swamp / Poplar Mineral Deciduous Swamp	7342.0
SWDM4-5	Poplar Mineral Deciduous Swamp	4183.7
SWDM4-5 / MAMO1-2	Poplar Mineral Deciduous Swamp / Cattail Graminoid Organic Meadow Marsh	9888.5
SWDO2-3	Swamp Maple Organic Deciduous Swamp	15499.8
SWTM3	Willow Mineral Deciduous Thicket Swamp	4580.0
SWTO2	Willow Organic Deciduous Thicket Swamp	2198.5
SWTO2 / MASO1-1	Willow Organic Deciduous Thicket Swamp / Cattail Organic Shallow Marsh	24764.9
SWTO5	Organic Deciduous Thicket Swamp	1148.1
SWTO5 / MASO1-1	Organic Deciduous Thicket Swamp / Cattail Organic Shallow Marsh	5956.9

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

Table 2 Ecological Land Classification (ELC) Vegetation Types

ELC Code	ELC Community Name	Area (sq. m)
OTHER COMMUNITIES		
CGL	Green Lands	938.7
CVC_1	Business Sector	8137.6
CVC_4	Extraction	12916.0
CVI	Transportation and Utilities	6698.5
CVI_1	Transportation	1464.7
CVR_3	Single Family Residential	253520.0
CVR_4	Rural Property	173435.3
CVR_4 / CVR_3	Rural Property / Single Family Residential	74035.6
CVR_4 / TAGM1	Rural Property / Coniferous Plantation	1378.6
CVR_4 / THCM1	Rural Property / Dry - Fresh Coniferous Regeneration Thicket	17543.2
CVR_4 / THMM2	Rural Property / Fresh - Moist Mixed Thicket	5659.9
CVS_2	Health	4624.0
OAG	Open Agriculture	91824.5
OAGM1	Annual Row Crops	219502.9
OAGM2	Perennial Cover Crops	140198.7
OAGM4	Open Pasture	73221.7

FLORA

No plant species at risk were documented that may have been identifiable during the time of year the survey was conducted (e.g., Butternut, Black Ash). A subsequent survey for Eastern Prairie Fringed Orchid, which could occur within roadside ditches and in the proposed work area, will occur in summer 2022.

WILDLIFE HABITAT ASSESSMENT

No seeps, springs, reptile hibernacula, stick nests or vernal pools were observed during the roadside surveys conducted in 2021.

Woodland habitat such as forest (FOD), Woodland (WOD) or Swamp (SWD) is present in many areas adjacent the Study Area. These wooded features likely contain standing snags which may provide potential bat maternity roosting habitat for bat species at risk (SAR; species protected under the *Endangered Species Act*). However, these features were not observed immediately adjacent the road edge. Forests (FO) and woodlands (WO) that are deciduous, coniferous, or mixed in composition may provide suitable habitat for several bird species, including the Eastern Whip-poor-will, a SAR. Mature forests that are deciduous in composition (FOD) and large open deciduous woodlands (WOD) may also provide suitable habitat for many bird species including the Cerulean Warbler, a SAR. Woodland habitat is shown on Figures 1-1 to 1-7 and 1-9 in the attached mapbook.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

Shallow marsh (MAS) and shallow water (SAF) communities along the edge of Pigeon Lake and at the very south end of the Study Area are suitable and potential habitat for turtles, including another SAR, Blanding's Turtle. Large, shallow marsh communities dominated by cattails (MASO1-1) could also provide suitable habitat for a marsh bird SAR, Least Bittern. Aquatic habitats are shown on Figures 1-1, 1-3, 1-6, 1-8 and 1-9 in the attached mapbook.

Grassland habitat was documented in hayfields (OAGM2), open pastures (OAGM4), meadows (MEMM), and thickets (THC, THD or THM). These communities could potentially support breeding Bobolink and Eastern Meadowlark, two species of grassland SAR birds. Barn Swallow, a SAR that breeds and forages in agricultural habitats is also likely to be found in OAG communities. Agricultural, meadow and thicket communities are shown on Figures 1-1 to 1-10 in the attached mapbook.

Chimney Swift is a SAR that requires artificial structures to breed (i.e., chimneys) and may be found in residential (CVR) communities. Residential communities are shown on Figures 1-1 to 1-10 in the attached mapbook.

For additional details on wildlife and wildlife habitat, including SAR and other important species, please refer to *Bobcaygeon Community Expansion Project: Environmental Report (*Stantec 2021).

SAR MITIGATION

The following mitigation measures are proposed and under consultation with the Ministry of the Environment, Conservation and Parks, the administering body of the *Endangered Species Act*. Therefore, the permitting and mitigation measures recommended below may be subject to change.

BAT SAR

A potential adverse effect to bat SAR within the Study Area is a loss of roosting habitat. However, as construction will be restricted to the road Right-of-Way, tree clearing and/or pruning will be limited and not expected to affect the availability of roosts in the local landscape.

To avoid direct impacts to SAR bats, tree clearing/pruning will occur outside the active window (April 1 - September 30). In the event limited tree clearing/pruning is required during the active season, an assessment will be completed to identify candidate roost trees and exit surveys will be completed to assess use of the roost tree. If roost trees are confirmed, Enbridge Gas will consult with MECP to discuss avoidance and/or ESA authorization requirements.

EASTERN WHIP-POOR-WILL

Work is restricted to the Right-of-Way where Eastern Whip-poor-will are unlikely to be present. Further, the disturbance will be temporary and open habitats in the Right-of-way will be restored to their original state following construction.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

CERULEAN WARBLER

Cerulean Warbler generally selects breeding territories away from "hard" forest edges and prefers to nest closer to the interior of forested communities (ECCC 2020). As work is restricted to the Right-of-Way which does not intersect interior forest communities and TWS's that are outside forested communities, impacts to this species are not anticipated. If limited tree clearing is required, it will be completed outside the breeding season (April 1 to August 31) or, if necessary, breeding bird sweeps will take place prior to any vegetation removal.

LEAST BITTERN

Work is restricted to the Right-of-Way where Least Bittern are unlikely to be present. Impacts to Least Bittern habitat are not anticipated. This species requires large wetlands (typically wetlands greater than 5 hectares) dominated by cattails for breeding, and construction will be restricted to the edges of wetlands where the species is unlikely to be present (COSEWIC 2009).

Additionally, HDD (horizontal directional drilling) may be utilized at wetland crossings encroaching onto the Right-of-Way. HDD is a construction technique used to avoid impacts to sensitive habitats, including wetlands where Least Bittern may be present. Specific protective measures pertaining to the use of HDD in wetlands encroaching onto the Right-of-Way can be found in Table 5.1 Section 3.3.3 of the *Bobcaygeon Community Expansion Project: Environmental Report* (Stantec 2021).

BLANDING'S TURTLE

Blanding's Turtle may be present in watercourses and wetlands within the Right-of-Way. Exclusionary fencing will be installed during construction at areas identified as potential Blanding's Turtle habitat (wetlands, watercourses). BMPs from OMNRF's (2016) *Best Management Practices for Mitigating the Effects of Roads on Amphibians and Reptile Species at Risk in Ontario* will be considered when installing exclusionary fencing and an Environmental Monitor will look for signs of turtles (nesting or adults) during construction activities in work areas.

Exclusion fencing (e.g., silt fence) should be erected on both sides of the road prior to activities occurring during the active season (e.g., April 1 – September 30) in areas identified as having turtles (250 m for Blanding's turtle) or as being high potential, such as stream/river crossings, lake shores, ponds, wetlands, dips or valleys between rock outcrops, wetted ditches connected to natural water features.

Exclusion fencing should be installed prior to the sensitive nesting season (May 1 and June 30) if activities are anticipated to occur throughout this period to prevent turtles from entering and/or nesting; or pre-screening can be completed to avoid nests if work must begin during nesting season. No heavy machinery should be permitted on the shoulder of the road past the exclusion fencing to prevent compaction and prevent destruction of nests and habitat. Where possible, restrict construction activities within 30 m of a nesting site.

Impacts to upland habitat (i.e., within 250m of wetlands) will be restricted to the road Right-of-Way. Such roadside habitat is expected to be of low quality for Blanding's Turtle and is likely acting as an ecological sink. Temporary disturbance to the roadside habitat is not anticipated to affect Blanding's Turtles.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

Additionally, HDD (horizontal directional drilling) may be utilized at wetland crossings encroaching onto the Right-of-Way. HDD is a construction technique used to avoid impacts to sensitive habitats, including wetlands where Blanding's Turtle may be present. Specific protective measures pertaining to the use of HDD in wetlands encroaching onto the Right-of-Way can be found in Table 5.1 Section 3.3.3 of the *Bobcaygeon Community Expansion Project: Environmental Report* (Stantec 2021).

BOBOLINK AND EASTERN MEADOWLARK

Bobolink and Eastern Meadowlark are expected to potentially occur within meadows, pastures, and hayfields that may overlap with the Project location. Avoidance of work within these areas between May 1 and August 31 are recommended to avoid impacts to these species. Clearing is to be completed during the bird nesting season, and nest sweeps should be completed no later than seven days prior to clearing activities. Work is generally restricted to the Right-of-Way and as such, no impacts to Bobolink or Eastern Meadowlark are anticipated. TWS's also do not include suitable habitat and as such, no impacts to Bobolink or Eastern Meadowlark are anticipated in these areas.

CHIMNEY SWIFT

Impacts to suitable Chimney Swift nest structures (e.g., buildings with suitable chimneys) are not anticipated. In the unlikely event impacts to a nesting structure is unavoidable, Enbridge Gas will consult with MECP to obtain ESA authorization.

BARN SWALLOW

Suitable nesting structures (i.e., buildings, box culverts, bridges) will be identified in the spring and summer of 2022 and an assessment will be made to determine if any direct impacts to the structure will be made during construction. Generally, culvert and watercourse crossings will be completed using HDD (horizontal directional drill) and as such, impacts are not anticipated at these locations.

In the event a structure will be directly impacted, the Project will consider obtaining an ESA authorization through O. Reg. 830/21, including removal of the structure outside the breeding bird window (April 1 – August 31) and provision of a new structure. Impacts to foraging habitat (e.g., agricultural communities) are not anticipated, as work is restricted to the Right-of-Way.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

EASTERN PRAIRIE FRINGED ORCHID

A subsequent survey for Eastern Prairie Fringed Orchid, which could occur within roadside ditches and in the proposed work area, will occur in summer 2022. If present, Enbridge Gas will further consult with MECP on avoidance measures and/or ESA authorization requirements.

Stantec Consulting Ltd.

Digitally signed by Straus, Melissa
Date: 2022.05.10 15:14:44 -04'00'

Melissa Straus M.Sc.
Terrestrial Ecologist

Mobile: 226 971 2704
Melissa.Straus@stantec.com

Brian Miller Tech. Dipl.
Terrestrial Ecologist

Mobile: 226 971 2224
Brian.Miller@stantec.com

Attachment: Figures 1-1 to 1-10 (ELC Mapbook)

REFERENCES

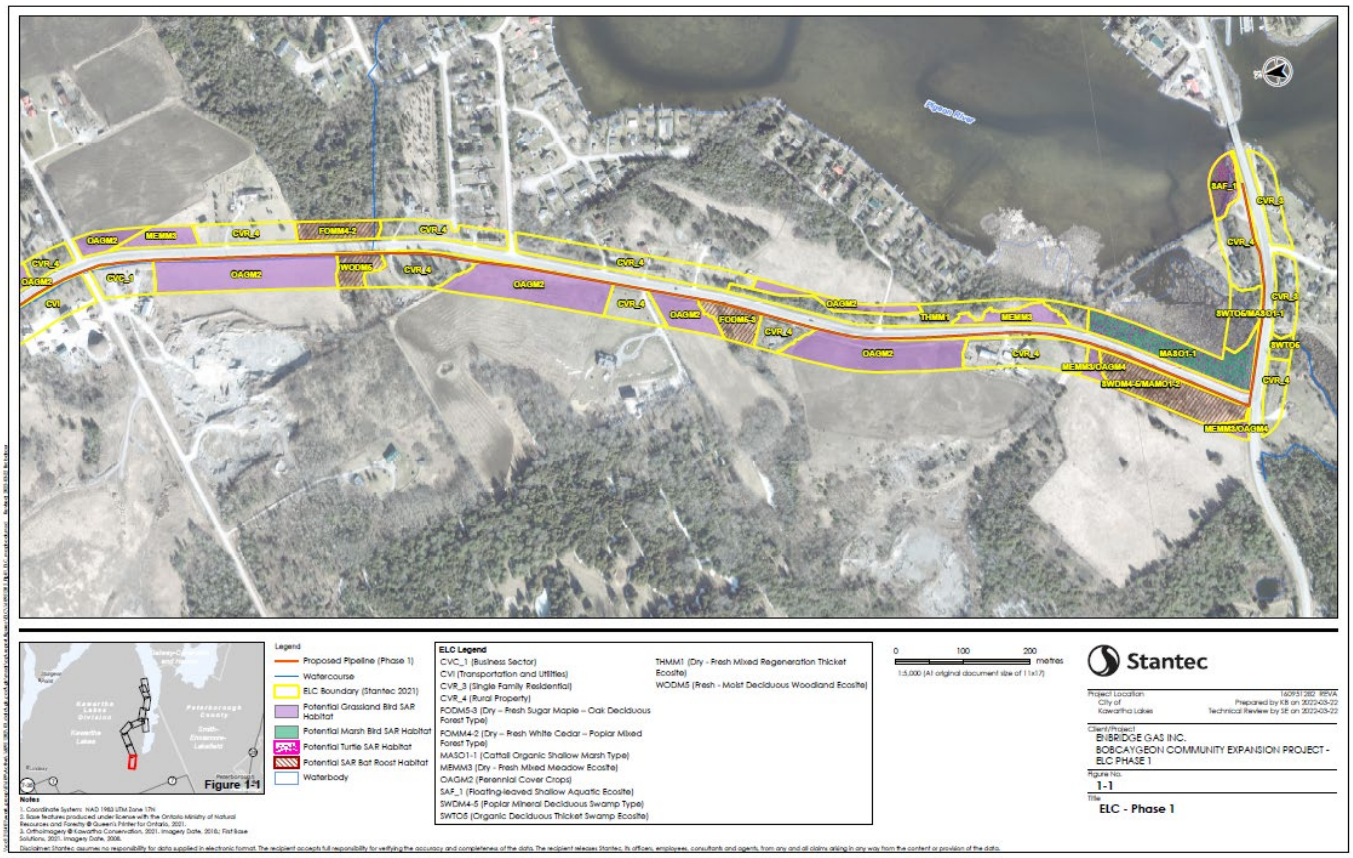
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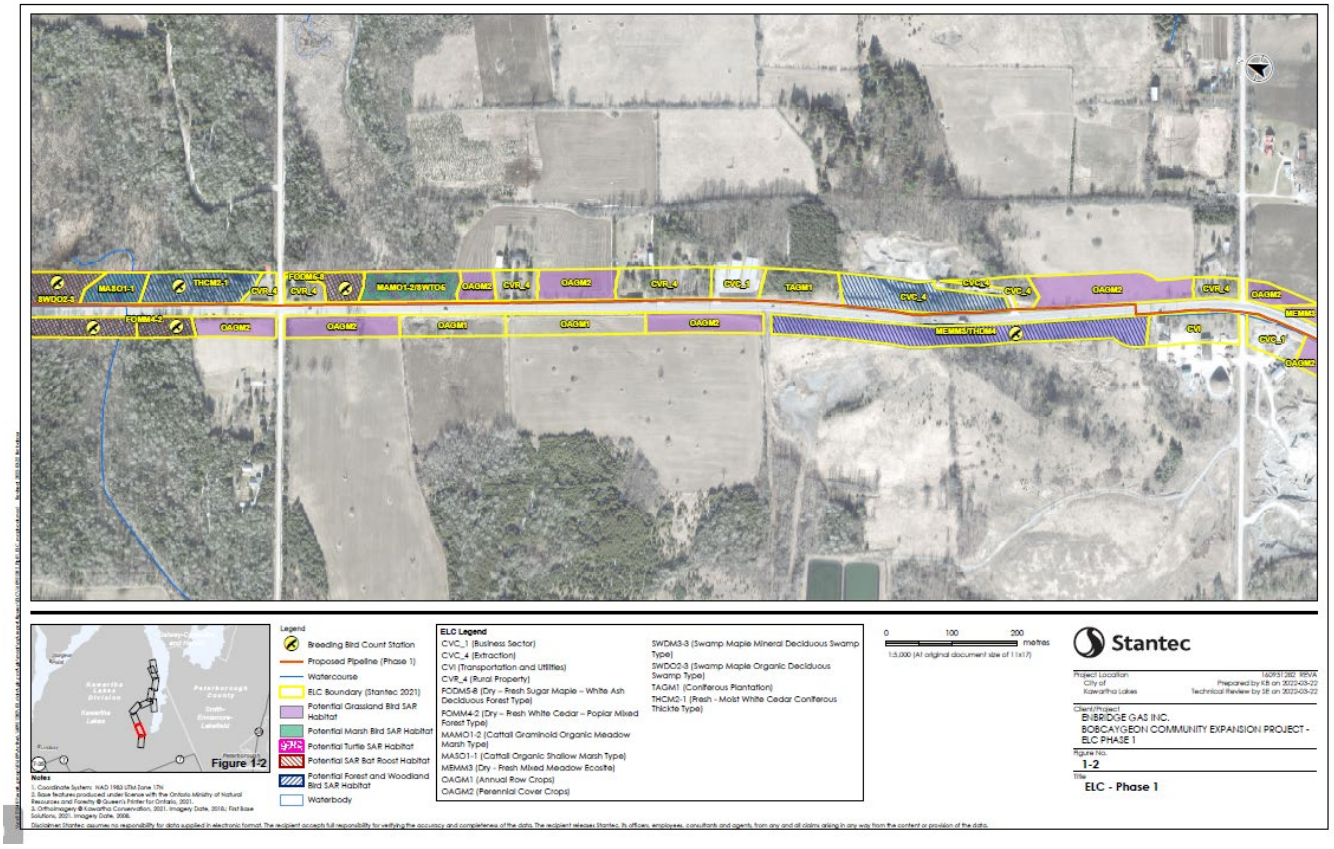
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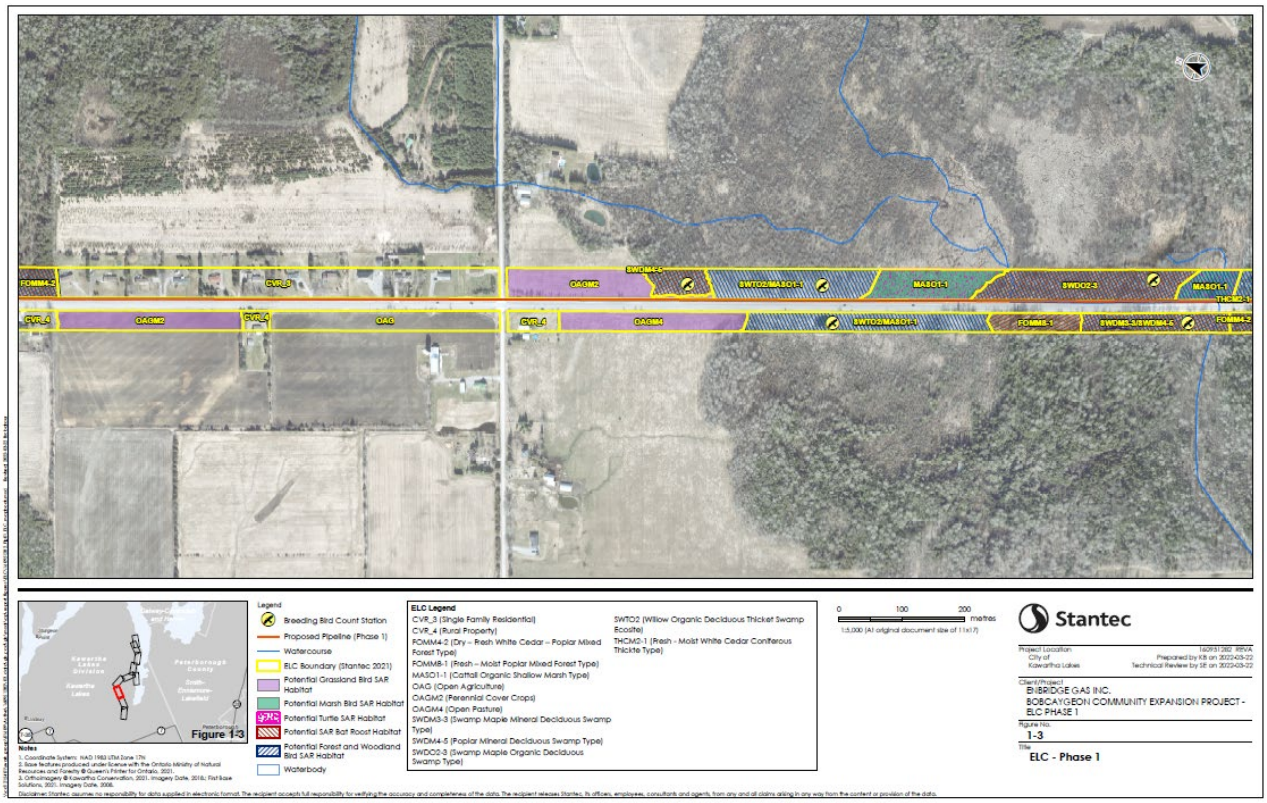
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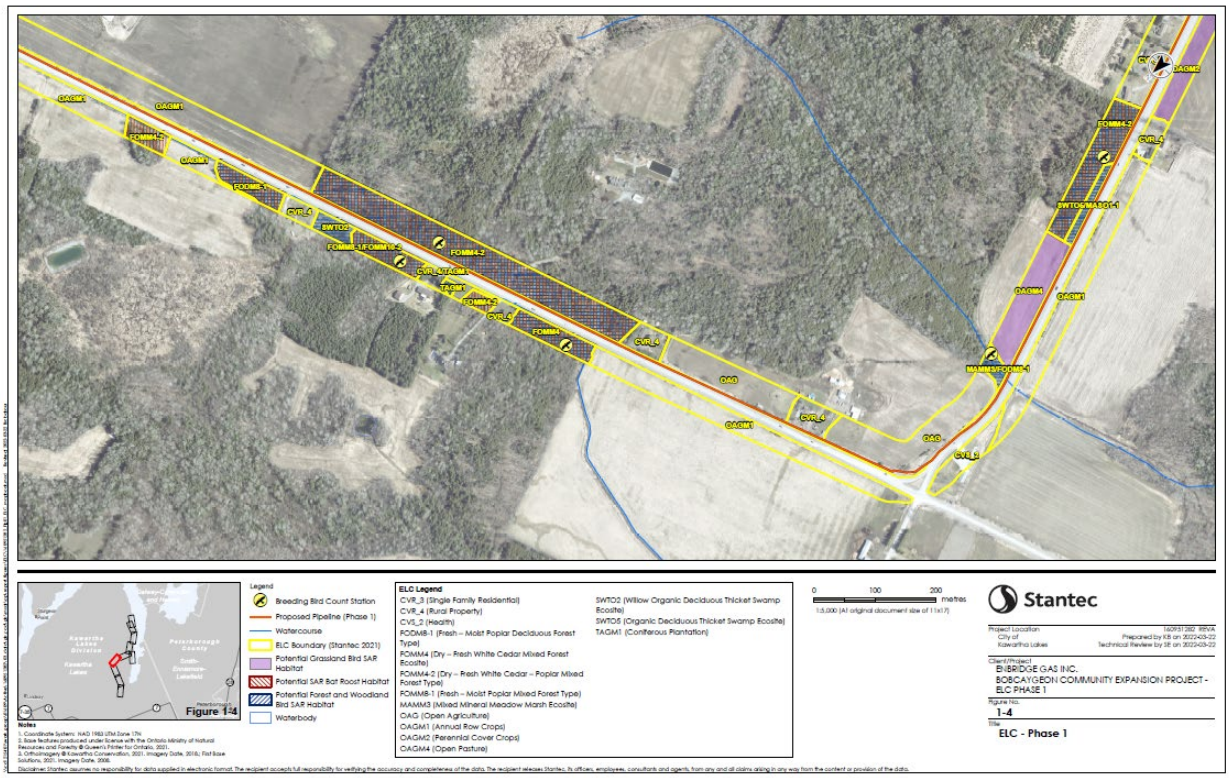
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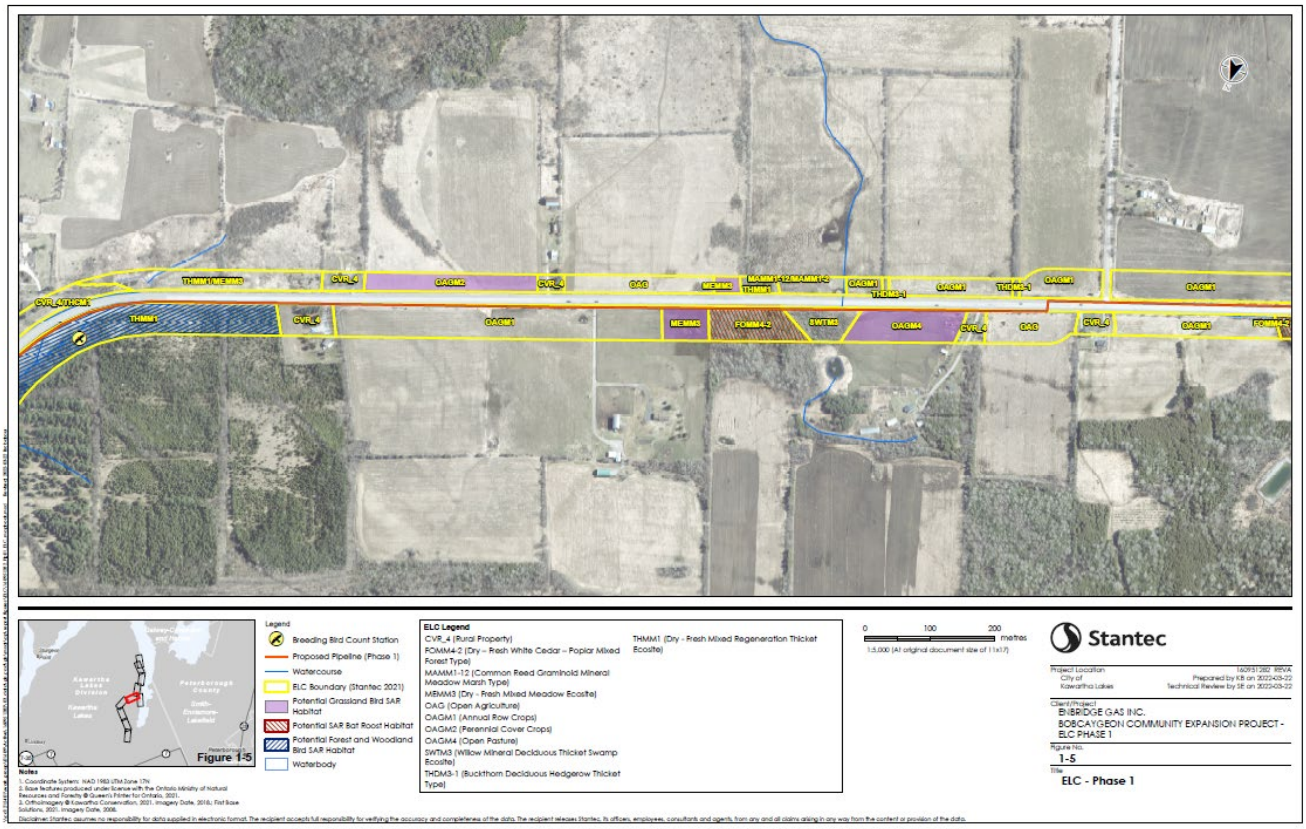
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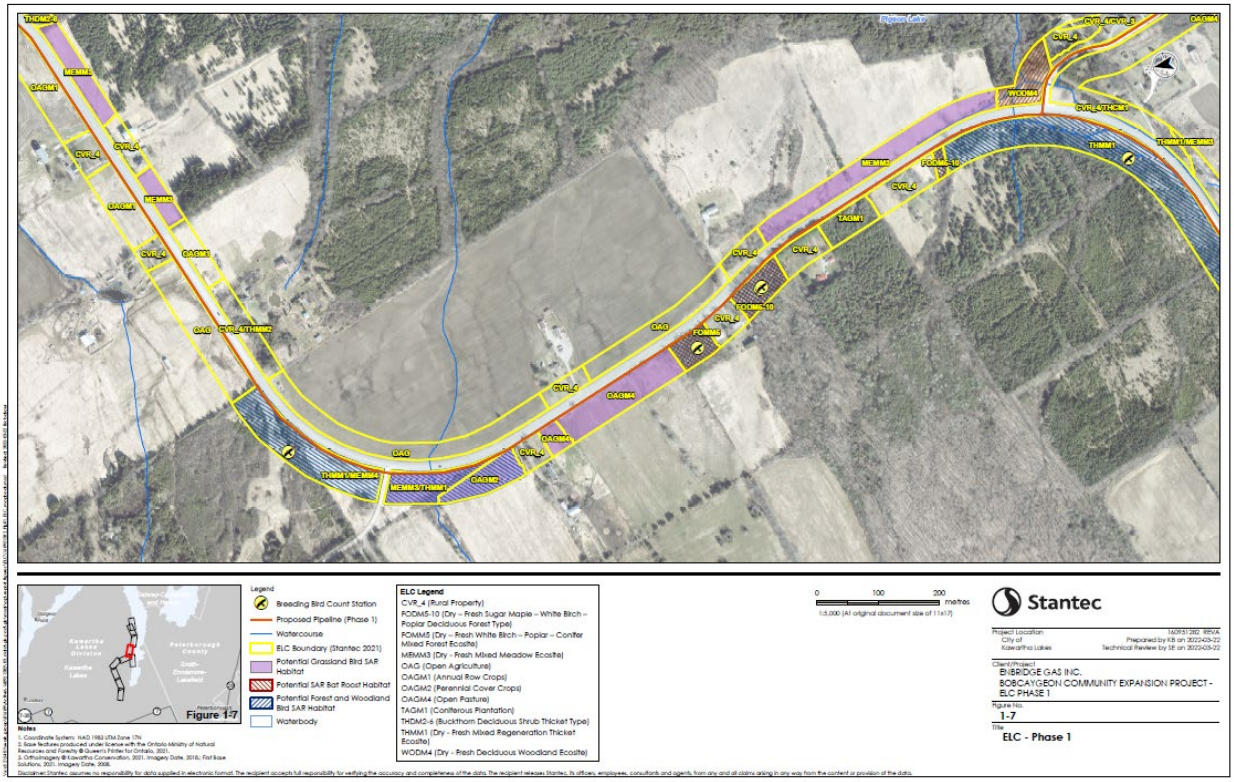

Figure 1-1
Legend
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Waterbody
ELC Legend
CVC_1 (Business Sector)
CVI (Transportation and Utilities)
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
FODM5-3 (Dry – Fresh Sugar Maple – Oak Deciduous Forest Type)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
MASO1-1 (Cattail Organic Shallow Marsh Type)
MBMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAGM2 (Perennial Cover Crops)
SAF_1 (Floating-leaved Shallow Aquatic Ecosite)
SWDM4-5 (Poplar Mineral Deciduous Swamp Type)
SWTO5 (Organic Deciduous Thicket Swamp Ecosite)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
WODM5 (Fresh - Moist Deciduous Woodland Ecosite)
0
100
200
metres
1:5,000 (A1 original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
Client/Project
BIBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1 - 1
Title
ELC - Phase 1
Notes
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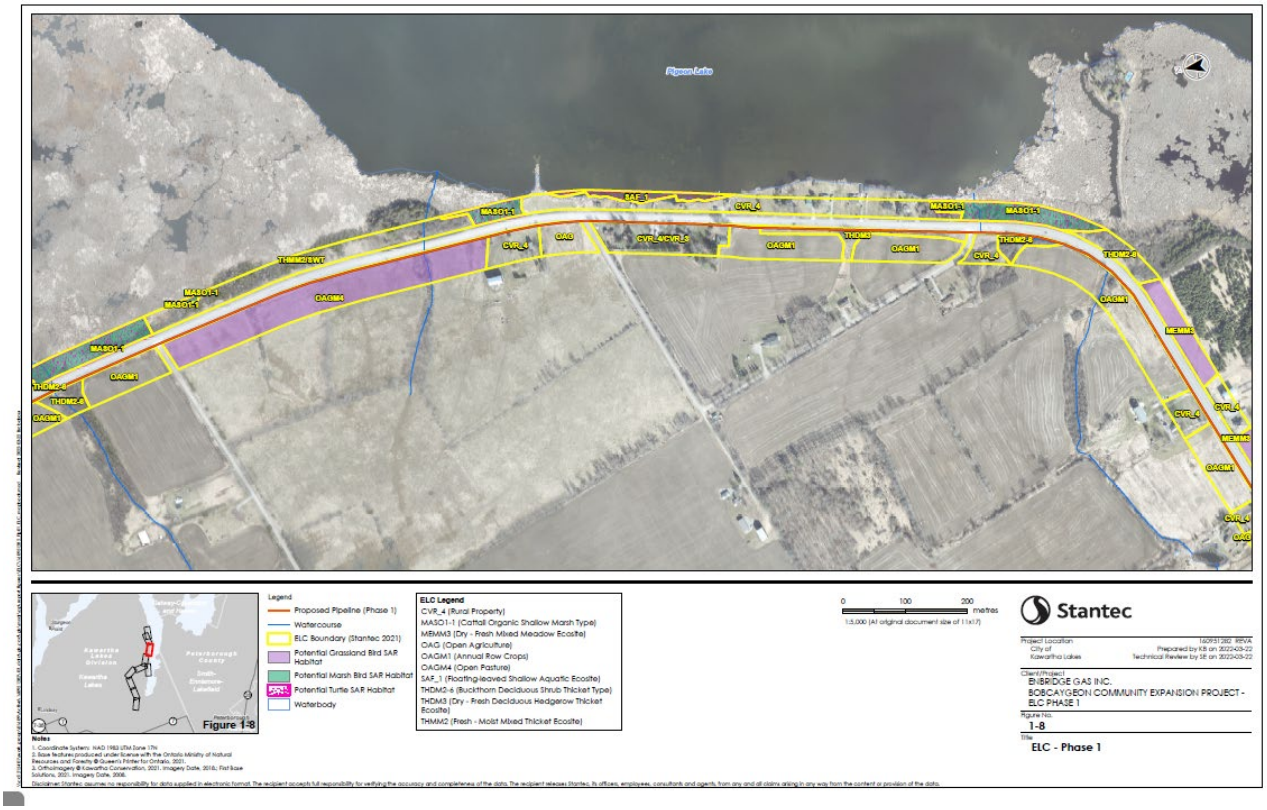

SWDO2-3
MASO1-1
THCM2-1
CVR_4
FODM5-8
CVR_4
MAMO1-2/SWTD6
OAGM2
CVR_4
OAGM2
CVR_4
CVC_5
TAGM1
CVC_4
CVC_4
CVC_4
OAGM2
CVR_4
OAGM2
FOMM4-2
OAGM2
OAGM2
OAGM1
OAGM1
OAGM2
MEMM6/THCM4
CVC_4
CVR_4
OAGM2
Figure 1-2
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVC_1 (Business Sector)
CVC_4 (Extraction)
CVI (Transportation and Utilities)
CVR_4 (Rural Property)
FODM5-8 (Dry – Fresh Sugar Maple – White Ash Deciduous Forest Type)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
MAMO1-2 (Cattail Graminoid Organic Meadow Marsh Type)
MASO1-1 (Cattail Organic Shallow Marsh Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
SWDM3-3 (Swamp Maple Mineral Deciduous Swamp Type)
SWDO2-3 (Swamp Maple Organic Deciduous Swamp Type)
TAGM1 (Coniferous Plantation)
THCM2-1 (Fresh - Moist White Cedar Coniferous Thicket Type)
0
100
200
metres
1:3,000 (At original document size of 11x17)
Notes
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Stantec
Project Location
City of Kawartha Lakes
160951280 REVA
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-2
Title
ELC - Phase 1

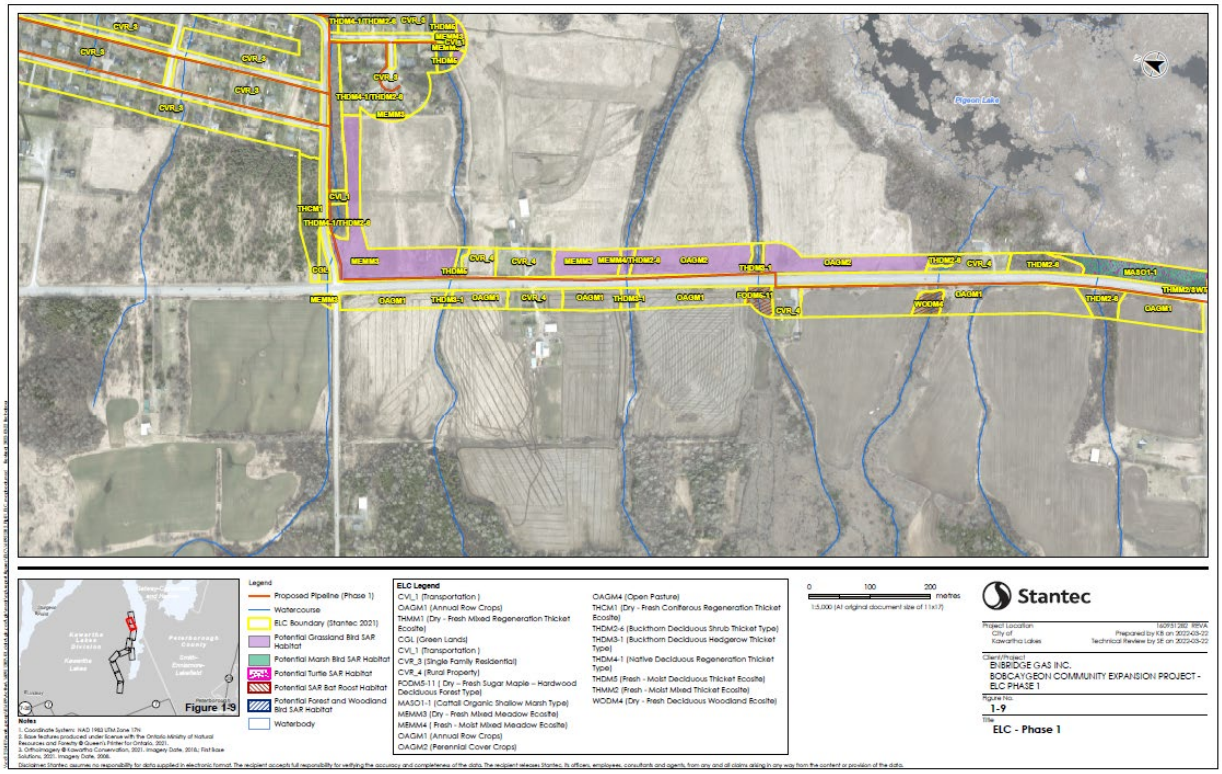

FOMM4-2
CVR_3
SWDM4-5
OAGM2
SWTO2/MASO1-1
MASO1-1
SWDO2-3
MASO1-1
THCM2-1
CVR_4
OAGM2
CVR_4
OAG
CVR_4
OAGM4
SWTO2/MASO1-1
FOMM8-1
SWDM3-3/SWDM4-5
FOMM4-2
Figure 1-3
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
FOMM8-1 (Fresh – Moist Poplar Mixed Forest Type)
MASO1-1 (Cattail Organic Shallow Marsh Type)
OAG (Open Agriculture)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
SWDM3-3 (Swamp Maple Mineral Deciduous Swamp Type)
SWDM4-5 (Poplar Mineral Deciduous Swamp Type)
SWDO2-3 (Swamp Maple Organic Deciduous Swamp Type)
SWTO2 (Willow Organic Deciduous Thicket Swamp Ecosite)
THCM2-1 (Fresh - Moist White Cedar Coniferous Thickite Type)
0
100
200
metres
1:3,000 (A1 original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
1609131202 RPT-VA
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-3
Title
ELC - Phase 1
Notes
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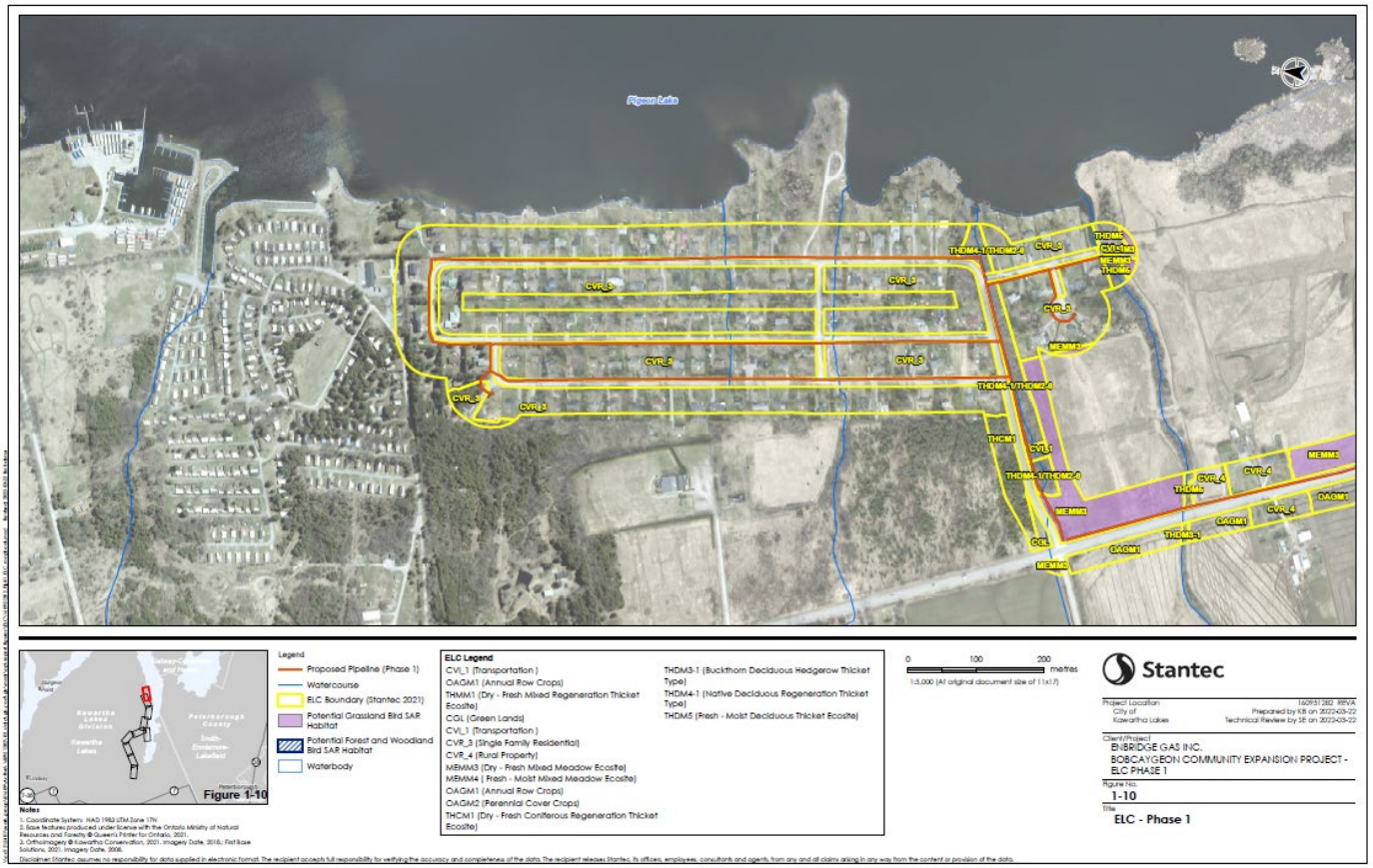

OAGM2
OAGM1
FOMM4-2
OAGM1
FOMM8-1
CVR_4
SWTO2
FOMM8-1
FOMM4-2
FOMM4-2
CVR_4
TAGM1
FOMM4-2
CVR_4
FOMM4
CVR_4
OAG
OAGM1
CVR_4
OAG
CVR_3
MAMM3/FOMM8-1
OAGM4
OAGM1
SWTO5/MAMM3-1
FOMM4-2
CVR_4
OAGM2
Figure 1-4
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
CVS_2 (Healthy)
FOMM8-1 (Fresh – Moist Poplar Deciduous Forest Type)
FOMM4 (Dry – Fresh White Cedar Mixed Forest Ecosite)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
FOMM8-1 (Fresh – Moist Poplar Mixed Forest Type)
MAMM3 (Mixed Mineral Meadow Marsh Ecosite)
OAG (Open Agriculture)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
SWTO2 (Willow Organic Deciduous Thicket Swamp Ecosite)
SWTO5 (Organic Deciduous Thicket Swamp Ecosite)
TAGM1 (Coniferous Plantation)
0 100 200 metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SR on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-4
Title
ELC - Phase 1


THMM1/MEMM3
CVR_4
OAGM2
CVR_4
OAG
MEMM3
MAMM1-12/MAMM1-2
THMM1
OAGM1
THDM3-1
OAGM1
THDM3-1
OAGM1
OAGM1
CVR_4/THDM3
THMM1
CVR_4
OAGM1
MEMM3
FOMM4-2
SWTM3
OAGM4
CVR_4
OAG
CVR_4
OAGM1
FOMM4-2
Figure 1-5
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_4 (Rural Property)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
MAMM1-12 (Common Reed Graminoid Mineral Meadow Marsh Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAG (Open Agriculture)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
SWTM3 (Willow Mineral Deciduous Thicket Swamp Ecosite)
THDM3-1 (Buckthorn Deciduous Hedgerow Thicket Type)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
0
100
200
metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-5
Title
ELC - Phase 1
Notes
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THDM2-6
MEMM1
OAGM1
CVR_4
MEMM2
OAGM3
OAG
CVR_4/THMM2
THMM1/MEMM1
OAGM2
MEMM2/THMM1
Pigeon Lake
CVR_4/CVR_5
OAGM4
WDDM4
CVR_4/THDM2
THMM1
THMM1/MEMM1
MEMM1
FODM5-10
TAGM1
FOMM5
Figure 1-7
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_4 (Rural Property)
FODM5-10 (Dry – Fresh Sugar Maple – White Birch – Poplar Deciduous Forest Type)
FOMM5 (Dry – Fresh White Birch – Poplar – Conifer Mixed Forest Ecosite)
MBMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAG (Open Agriculture)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
TAGM1 (Coniferous Plantation)
THDM2-6 (Buckthorn Deciduous Shrub Thicket Type)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
WDDM4 (Dry - Fresh Deciduous Woodland Ecosite)
0
100
200
metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
160951282 REVA
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-7
Title
ELC - Phase 1
Notes
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Pigeon Lake
SAF_1
CVR_4
MAS01-1
THDM3
THDM2-6
MEMM3
OAGM1
OAG
THMM2
Figure 1-8
Legend
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Waterbody
ELC Legend
CVR_4 (Rural Property)
MAS01-1 (Cattail Organic Shallow Marsh Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAG (Open Agriculture)
OAGM1 (Annual Row Crops)
OAGM4 (Open Pasture)
SAF_1 (Floating-leaved Shallow Aquatic Ecosite)
THDM2-6 (Buckthorn Deciduous Shrub Thicket Type)
THDM3 (Dry - Fresh Deciduous Hedgerow Thicket Ecosite)
THMM2 (Fresh - Moist Mixed Thicket Ecosite)
0
100
200
metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-8
Title
ELC - Phase 1


Rigwat Lake
Figure 1-9
Legend
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVL_1 (Transportation)
OAGM1 (Annual Row Crops)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
CGL (Green Lands)
CVL_1 (Transportation)
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
FODM5-11 (Dry – Fresh Sugar Maple – Hardwood Deciduous Forest Type)
MASO1-1 (Cattail Organic Shallow Marsh Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
MEMM4 (Fresh - Moist Mixed Meadow Ecosite)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
THCM1 (Dry - Fresh Coniferous Regeneration Thicket Ecosite)
THDM2-6 (Buckthorn Deciduous Shrub Thicket Type)
THDM3-1 (Buckthorn Deciduous Hedgerow Thicket Type)
THDM4-1 (Native Deciduous Regeneration Thicket Type)
THDM5 (Fresh - Moist Deciduous Thicket Ecosite)
THMM2 (Fresh - Moist Mixed Thicket Ecosite)
WODM4 (Dry - Fresh Deciduous Woodland Ecosite)
0 100 200 metres
Stantec
Project Location
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-9
Title
ELC - Phase 1


Pigeon Lake
CVR_5
THDM4-1/THDM2-6
THDM6
CVL/THM3
ME-MM3
MEMM3
THDM4-1/THDM2-6
THCM1
CVL1
CVR_4
DAGM1
CGL
Figure 1-10
Legend
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVI_1 (Transportation)
OAGM1 (Annual Row Crops)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
CGL (Green Lands)
CVI_1 (Transportation)
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
MBMM3 (Dry - Fresh Mixed Meadow Ecosite)
MBMM4 (Fresh - Moist Mixed Meadow Ecosite)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
THCM1 (Dry - Fresh Coniferous Regeneration Thicket Ecosite)
THDM3-1 (Buckthorn Deciduous Hedgerow Thicket Type)
THDM4-1 (Native Deciduous Regeneration Thicket Type)
THDM5 (Fresh - Moist Deciduous Thicket Ecosite)
0 100 200 metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
160931282 RPT-A
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-10
Title
ELC - Phase 1
Notes
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Line-item attachment 1.12

From: Melanie Green
To: Dave Simpson
Cc: Lauryn Graham
Subject: Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment
Date: Thursday, May 12, 2022 10:50:59 AM

Good morning,

I have been given information related to; PHASE 1 Ecological Land Classification and Habitat Assessment related to Bobcaygeon Community expansion project – should you be interested in reviewing, the information to access below.
As always, your feedback is appreciated and Enbridge acknowledges that capacity support may be required in order engage in timely reviews of the documents, participation in archaeological work associated with proposed projects, and to engage in meaningful consultation. We are prepared to provide capacity funding to support this work.

Should time allow, we would appreciate comments and feedback by June 8th, 2022 – if you force requiring more time, please let me know.

Thank you and have a fabulous day!

Mel

Login Information

Browser link: https://tmpsftp.stantec.com
FTP Client Hostname: tmpsftp.stantec.com **Port:** 22 (can be used within a SFTP client to view and transfer files and folders; e.g., FileZilla)
Login name: s0518142202
Password: 7969419
Disk Quota: 20 GB
Expiry Date: 5/18/2022

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

ENBRIDGE INC.
TEL: 613.747.4039 | Cell: 613.297.4365

Line-item attachment 1.18

From: Melanie Green
To: Dave Simpson
Cc: Lauryn Graham
Subject: Bobcaygeon Community Expansion Project - Stage 1 AA MTCS
Date: Tuesday, September 13, 2022 8:41:44 AM

God morning,

Please see attached FPT site related to the Stage 1 AA pertaining to Bobcaygeon Community Expansion Project – We have been provided the report as it has been accepted by the MTCS. We are interested in your review and feedback –

Login Information

Browser link: https://tmpsftp.stantec.com
FTP Client Hostname: tmpsftp.stantec.com **Port:** 22 (can be used within a SFTP client to view and transfer files and folders; e.g., FileZilla)
Login name: s0916131613
Password: 2177426
Disk Quota: 20 GB
Expiry Date: 9/23/2022

thank you and have a great day!

Mel

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

Public Affairs, Communications & Sustainability
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ENBRIDGE INC.
TEL: 613.747.4039 | Cell: 613.297.4365
400 Coventry Rd, Ottawa, ON K1K2C7

Line-item attachment 1.20

From: Melanie Green
To: Dave Simpson
Cc: Lauryn Graham
Subject: Stage 2 AA - Bobcaygeon Community Expansion Project (Memo)
Date: Thursday, February 16, 2023 1:10:10 PM
Attachments: 160951282_2022_arch_field_memo_rev.pdf

Good afternoon,

We just received an archaeological field memo detailing high level results/pictures from the Stage 2 AA field work for Phases 1-2 and photo documentation for Phase 3, related to the Bobcaygeon Community Expansion Project. A detailed report is forthcoming and as soon as it is received, I will send it off for review and comment.

Should you have any questions, please reach out.

Thank you in advance,

Mel

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

Public Affairs, Communications & Sustainability
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Line-item attachment 1.22

Stantec Consulting Ltd.
100-300 Hagey Boulevard, Waterloo ON N2L 0A4

May 2, 2023

Alderville First Nation

SENT VIA EMAIL

Reference: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Project Amendment

On September 1, 2021, Enbridge Gas Inc. ("Enbridge Gas" or the "Company") circulated a Notice of Study Commencement and Virtual Open House for the proposed Bobcaygeon Community Expansion Project, which would supply the community with affordable natural gas (the "Project"). The Project will be located in the City of Kawartha Lakes and Township of Cavan-Monaghan. As part of the planning process, Enbridge Gas retained Stantec Consulting Ltd. ("Stantec") to undertake an Environmental Study for the Project. The Environmental Study fulfilled the requirements of the Ontario Energy Board's ("OEB") "*Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)*"[1].

On June 9, 2021, the proposed Bobcaygeon Community Expansion Project ("Project") was approved to receive funding assistance as part of Phase 2 of the Government of Ontario's Natural Gas Expansion Program, which provides financial support to help utilities expand natural gas distribution in communities that are not currently connected to the natural gas system.

On May 2, 2022, Enbridge Gas applied to the OEB pursuant to section 90(1) of the Ontario Energy Board Act, S.O. 1998, c. 15, Schedule B, for an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities for which the Company sought OEB approval consisted of:

(i) A Supply Lateral:
- Approximately 25 km of Nominal Pipe Size ("NPS") 6-inch extra high pressure ("XHP") steel ("ST") natural gas distribution pipeline.
- Approximately 2 km of NPS 6-inch high pressure polyethylene ("HPPE") natural gas distribution pipeline.
- Approximately 1 km of NPS 6-inch high pressure ("HP") ST natural gas distribution pipeline.

(ii) Eastern Reinforcement
- Approximately 13 km of NPS 6-inch XHP ST natural gas pipeline.

Enbridge Gas subsequently filed three requests for abeyance of the aforementioned application on July 5, 2022, October 31, 2022, and February 28, 2023, in order to update and interpret the results of the market analysis and surveys for the Project to provide an appropriate basis for the customer attachment forecasts filed in support of the application. The OEB confirmed on March 3, 2023, that they will continue to hold the application in abeyance until June 30, 2023.

The purpose of this letter is to inform you that Enbridge Gas is proposing to file an updated application with the OEB no later than June 30, 2023, seeking an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities for which the Company is seeking OEB approval consists of the aforementioned Supply Lateral and Eastern Reinforcement; however, the Eastern Reinforcement has since been reduced

[1]The OEB Released the 8th Edition of the Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario in March 2023, after the initiation, consultation and finalization of the Bobcaygeon Community Expansion Project and associated Environmental Report.

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100-300 Hagey Boulevard, Waterloo ON N2L 0A4

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to approximately 8 km of NPS 6-inch XHP ST natural gas pipeline. There is no change to the proposed Supply Lateral. Please see the attachment (Figure 1) for the updated map of the Project.

Stantec has reviewed the updated Project scope, as outlined above, in comparison to the information presented in the 2021 Environment Report and have determined that the updated Project scope is sufficiently covered in the Environmental Report, and that no adjustments or revisions to the Environmental Report are necessary.

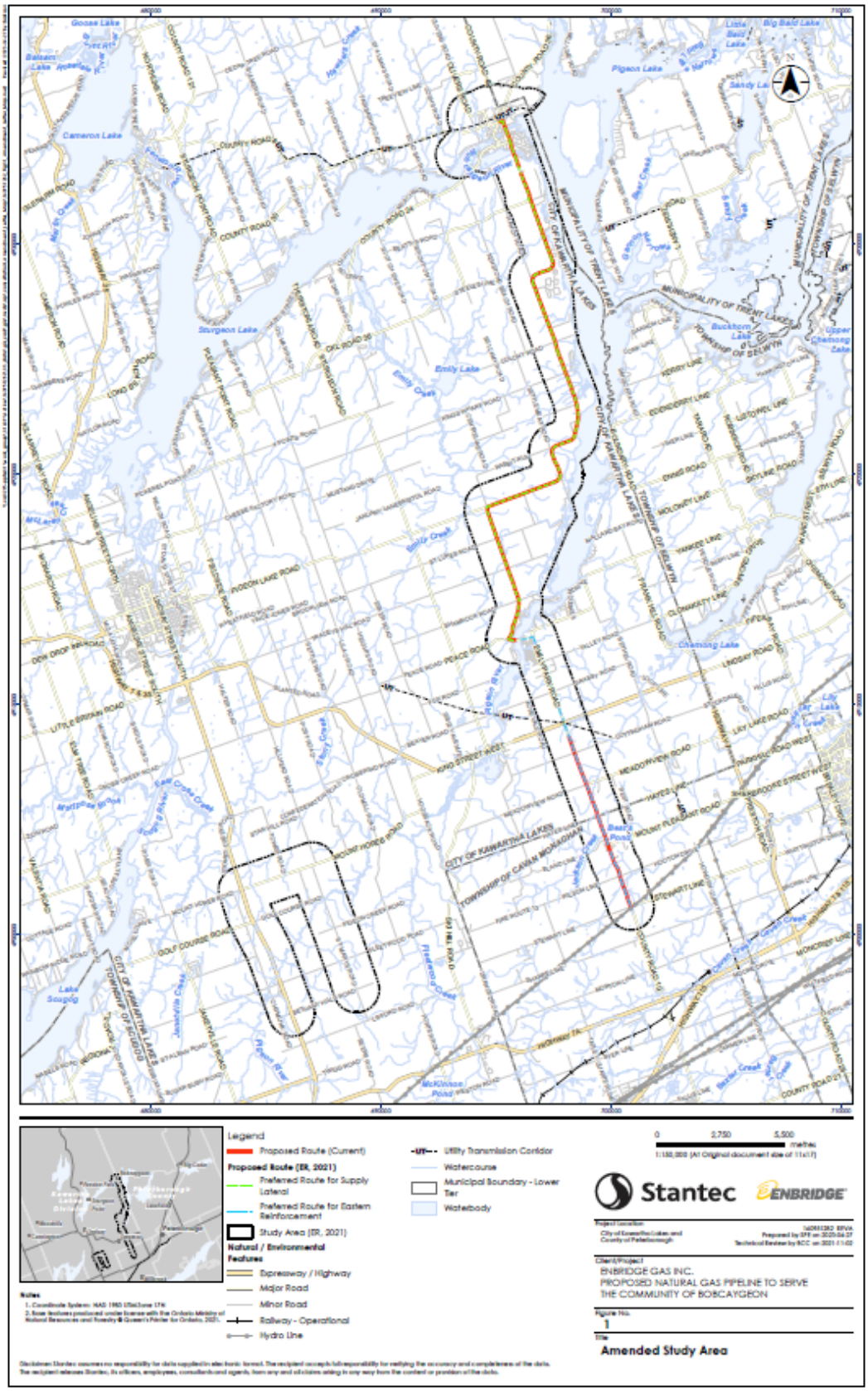
If you have questions or comments regarding the Bobcaygeon Community Expansion Project, please do not hesitate to contact the undersigned.

Yours truly,

Emily Hartwig
Stantec Consulting Ltd.
Environmental Consultant
Phone: 519 585 3849
BobcaygeonEA@stantec.com

Attachment: Figure 1 – Amended Study Area

c. Sarah Kingdon-Benson, Senior Advisor, Environment, Enbridge Gas Inc.


Legend
Proposed Route (Current)
Proposed Route (ER, 2021)
Preferred Route for Supply Lateral
Preferred Route for Eastern Reinforcement
Study Area (ER, 2021)
Natural / Environmental Features
Expressway / Highway
Major Road
Minor Road
Railway - Operational
Hydro Line
Utility Transmission Corridor
Watercourse
Municipal Boundary - Lower Tier
Waterbody
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ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON
Figure No.
1
Amended Study Area

Line-item attachment 2.0

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August 31, 2021

Chief Joanne P. Sandy
Beausoleil First Nation 11
O'Gemaa Miikan Christian
Island L9M 0A9

Dear Chief Sandy,

Reference: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Study Commencement and Virtual Open House

I am writing to advise you of an upcoming gas pipeline project in the Bobcaygeon area, in the Williams Treaties Traditional Territory. Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of upto approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.

The proposed Project is divided into two components: the Supply Lateral, and the Reinforcement, each ofwhich have two (2) routes being considered. For the Supply Lateral, both routes will start near Cowan's Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channel. An alternate route is being considered which has a minor deviation east alongTraceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon LakeRoad. For the Reinforcement, both route options require the reinforcement portion which starts near the intersection of Marina St. and Peace Road, travels east on Peace Road and south on Emily Park Road toStewarts Line where it will end. An additional reinforcement pipeline is required on Highway 35 between Bethany Hills Road and Mt Horeb Rd, with an alternate route along Mt Horeb Road and St. Marys Road, ending at Bethany Hills Road.

The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential forTemporary Working Space (TWS).

For further details, please refer to the attached map.

As part of the planning process, Enbridge Gas has retained Stantec Consulting Ltd. (Stantec) to undertakean Environmental Study for the Project. The Environmental Study will fulfill the requirements of the OntarioEnergy Board's (OEB) *"Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)"*.

An Environmental Report, summarizing the results of the Environmental Study, will accompany Enbridge Gas' application to the OEB as part of their Leave to Construct application. It is anticipated that the Environmental Report for the study will be completed in Winter 2021. The OEB's review and approval is required before the proposed Project can proceed. If approved, construction is currently anticipated to beginin early 2023.

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Stantec is presently compiling an environmental, socio-economic, and archaeological/cultural heritage inventory of the Study Area. As an Indigenous community with a potential interest in the Study Area, we areinviting Alderville First Nation to provide comments and feedback regarding the proposed Project.

Specifically, we are seeking information about areas that may be culturally significant to your community inthe study area and information about potential effects that the Project may have on asserted or establishedAboriginal and treaty rights, and any measures for mitigating those adverse impacts.

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As part of the Environmental Study, Enbridge Gas is also in the process of contacting the followingagencies:

- Indigenous and Northern Affairs Canada; and
- Ontario Ministry of Indigenous Relations and Reconciliation.

As a result of the physical distancing requirements set out by the Province of Ontario due to COVID-19, aVirtual Open House will be held in place of an in-person Open House.

The Virtual Open House will be available for two weeks starting on **September 13, 2021** and finishingon **September 27, 2021,** at www.solutions.ca/BobcaygeonEA

A questionnaire will be available as part of the Virtual Open House, and you will have the ability tosubmit comments and/or questions about the proposed Project. In addition, a copy of the Virtual Open House story boards will be available on the Enbridge Gas project website at: https://www.Enbridgegas.com/BobcaygeonProject

Enbridge Gas is committed to meaningful engagement with Indigenous communities. As such, we would beinterested in holding a conference call with Beausoleil First Nation to share project related information, should you wish. If you have any questions, would like to provide feedback, share knowledge, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with Beausoleil First Nation to ensure your interests are being considered and represented.

We kindly request that any initial input and comments regarding the Project are provided by your community by **October 12, 2021**. Please let us know if you are unable to respond by this date butareinterested in participating in the consultation process for the Project.

If you have questions or concerns regarding the Bobcaygeon Community Expansion Project, please do nothesitate to contact me directly.

Regards,

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes

PH: 613-784-6814

Melanie.book@enbridge.com

Line-item attachment 2.1

Sent: Thursday, September 16, 2021 2:13 PM
To: council@chimnissing.ca
Cc: msmith@chimnissing.com; fnadmin@chimnissing.ca; executiveassistant@chimnissing.ca; Matthew Chegahno
Subject: Virtual Open House- Bobcaygeon Community Expansion Project

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Good Afternoon Chief Joanne P. Sandy,

I hope this email finds you well as we all start returning from summer vacations and gear up for a busy Fall.

I'm writing to you today to notify you that the Virtual Open House (VOH) for Enbridge Gas' Bobcaygeon Community Expansion Project is now live and underway. Please welcome staff or community members to click here to access the VOH - I think you'll find that it has lots of rich information, including a project map, project overview, the process behind the environmental study, as well as a section on next steps. I'd like to kindly invite you, and anyone else in your community that may be interested, to have a look around the website to learn more about the Project.

If you have any questions or feedback on the project, or just want to speak with me directly about it, please do not hesitate to contact me and I will be sure to schedule some time for us.

Respectfully,

Melanie

Melanie Book
Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Strategiste, Engagement communautaire et autochtone, Ontario, Quebec et Maritimes

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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

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Line-item attachment 2.3

From: Matthew Chegahno <matthew.chegahno@enbridge.com>
Sent: Friday, October 22, 202111:55 AM
To: consultations@chimnissing.ca; council@chimnissing.ca; executiveassistant@chimnissing.ca; fnadmin@chimnissing.ca
Cc: Melanie Book

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

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Good afternoon Susan,

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project,* below:

Project Summary:
Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of **Cavan-Monaghan and would consist of up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

Stage 1:

Enbridge had a Stage 1 AA completed for a portion of the proposed project in 2006 (report attached), which has been accepted into the MHSTCI's archaeological register and confirmed by Stantec with the MHSTCI that the report could be grandfathered in for Phase One of this proposed project. As always, should your community have any additional insight into this area, we always appreciate the opportunity to proactively incorporate shared knowledge, in future reports.

An additional Stage 1 **AA** is being conducted for the Reinforcement section (Phase 2) of the pipeline as well as an additional buffer zone outside of the municipal right-of-way for the Supply Lateral to account for potential Temporary Working Space. Any supplementary draft Stage 1 Reports, for other phases of the proposed project, will be shared with your community for review, once prepared.

Stage 2:

Based on the results of the 2006 Stage 1 AA desktop review, a Stage 2 AA will be required along specific areas of the preferred pipeline route. Please note that this Stage 2 AA is related specifically to Phase One of the proposed project (see map attached), the Stage Two field work is planned for the following dates.

Proposed start date: November 16, 2021

Proposed end date: November 18, 2021

Please take time to review this information and advise if your community is interested in participating in this monitoring work. I would also kindly ask you to indicate whether you would like to be included in-person or virtually.

If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.

Thanks in advance and have a great weekend,

Matthew

Line-item attachment 2.5

From: Matthew Chegahno <matthew.chegahno@enbridge.com>
Sent: Friday, December 3, 2021 4:26 PM
To: consultations@chimnissing.ca; council@chimnissing.ca; executiveassistant@chimnissing.ca; fnadmin@chimnissing.ca
Cc: Melanie Book

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

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Good evening Susan,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite Beausoleil First Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

In the link below please find a copy of the draft ER for the Project.

www.enbridgegas.com/bobcaygeonproject

I would kindly ask that the community returns to me any comments or feedback on the draft ER for the Project ***by no later than January 17, 2022***.

Please be reminded that your community's review and comments are valued and will be used to help shape the approach for this project. If you have any issues with the link or questions about the report, please do not hesitate to contact me and I will work to have your inquiry resolved.

Chi-miigwetch in advance for your time and attention on this matter.

Matt

Matthew Chegahno
Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com603
Kumpf Drive, Waterloo ON, N2J 4A4

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Line-item attachment 2.10

From: Melanie Green
To: bfnchief@chimnissing.ca; consultations@chimnissing.ca; Karry Sandy Mackenzie
Cc: Lauryn Graham
Subject: Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment
Date: Wednesday, May 11, 2022 3:33:02 PM
Attachments: mem_60951282_ELC_Memo_20220510_fnl.pdf

Good afternoon,

Please see attached ELC memo for your review related to the Bobcaygeon Community Expansion Project.

We are asking for comment and feedback on or before **June 8, 2022.** If you force requiring more time, please let me now.

As always, your feedback is appreciated and Enbridge acknowledges that capacity support may be required in order engage in timely reviews of the documents, participation in archaeological work associated with proposed projects, and to engage in meaningful consultation. We are prepared to provide capacity funding to support this work.

Thank you in advance,

Have a great rest of your day!

Mel

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

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400 Coventry Rd, Ottawa, ON K1K2C7

Stantec

Memo

To:	Sarah Kingdon-Benson Enbridge Gas Inc.	From:	Brian Miller Stantec Consulting Ltd.
File:	160951282	Date:	May 10, 2022

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

This memo has been prepared to provide a summary of the vegetation community and habitat assessment field investigations conducted along Phase 1 of the proposed Bobcaygeon Community Expansion Project, a natural gas pipeline route to serve the community of Bobcaygeon, Ontario. Survey details are listed below in Table 1. The routes have been developed for purposes of an assessment of potential environmental and socioeconomic impacts and do not represent the final project scope and design that will provide access to natural gas to end-use customers.

Table 1 Survey Details and Summary

Survey Date	Surveyor(s)	Type of Survey
October 7, 2021	B. Miller	Roadside ELC and wildlife habitat assessment
October 8, 2021	B. Miller	Roadside ELC and wildlife habitat assessment

The purpose of these surveys was to identify natural and anthropogenic vegetation and wildlife habitat features to support a general assessment of their significance. The work included:

1. Roadside assessment of Ecological Land Classification (ELC) of vegetation communities.
2. Identification of wildlife habitat features including hibernacula, bat roosts, stick nests, seeps, and vernal pools
3. Complete a habitat assessment for Species at Risk (SAR) that may occur within the Study Area.

Identification and mapping of vegetation communities follows the protocols of the ELC field guide for Southern Ontario (Lee et al., 1998). Updates to vegetation community names and codes follow the 2008 catalogue of ELC vegetation communities. ELC mapping was completed to the finest level of resolution (Vegetation Type) where possible. Vegetation communities were first identified on aerial imagery and then confirmed in the field. Provincial significance of vegetation communities was based on the rankings assigned by the Natural Heritage Information Centre (NHIC 2021).

VEGETATION COMMUNITIES

ELC mapping of the linear Study Area along Centreline Road and Pigeon Lake Road is shown on Figures 1-1 to 1-10 (attached).

The Study Area is situated in a mostly rural or semi-rural setting with a mixture of natural vegetation communities, agricultural fields, and rural properties, and a small community at the north end of the Study Area next to Pigeon Lake. Thicket and woodland communities have a variable composition, but forests are generally dominated by eastern white cedar and trembling aspen or sugar maple and other hardwoods. Swamp communities are generally dominated by Freeman's (swamp) maple and/or trembling aspen. Marsh communities in the Study Area along the edge of Pigeon Lake are generally dominated by cattails. Standing water is common in many of these marsh communities.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

The vegetation community types are briefly described in Table 2 (below).

None of the vegetation communities listed below are considered rare in the province.

Table 2 Ecological Land Classification (ELC) Vegetation Types

ELC Code	ELC Community Name	Area (sq. m)
MEADOW COMMUNITIES		
MEMM3	Dry - Fresh Mixed Meadow	59172.4
MEMM3 / OAGM4	Dry - Fresh Mixed Meadow / Open Pasture	2280.4
MEMM3 / THDM2	Dry - Fresh Mixed Meadow / Dry - Fresh Deciduous Shrub Thicket	12946.8
MEMM3 / THDM4	Dry - Fresh Mixed Meadow / Dry - Fresh Deciduous Regeneration Thicket	18343.7
MEMM3 / THMM1	Dry - Fresh Mixed Meadow / Dry - Fresh Mixed Regeneration Thicket	6402.4
MEMM4 / THDM2-6	Fresh - Moist Mixed Meadow / Buckthorn Deciduous Shrub Thicket	939.2
THICKET COMMUNITIES		
THCM1	Dry - Fresh Coniferous Regeneration Thicket	5772.6
THCM2-1	Fresh - Moist White Cedar Coniferous Thicket	9100.5
THDM2-6	Buckthorn Deciduous Shrub Thicket	13433.9
THDM3	Dry - Fresh Deciduous Hedgerow Thicket	4134.7
THDM3-1	Buckthorn Deciduous Hedgerow Thicket	2923.8
THDM4	Dry - Fresh Deciduous Regeneration Thicket	3521.7
THDM4-1 / THDM2-6	Native Deciduous Regeneration Thicket / Buckthorn Deciduous Shrub Thicket	15387.3
THDM5	Fresh - Moist Deciduous Thicket	3133.5
THMM1	Dry - Fresh Mixed Regeneration Thicket	54818.7
THMM1 / MEMM3	Dry - Fresh Mixed Regeneration Thicket / Dry - Fresh Mixed Meadow	10376.1
THMM1 / MEMM4	Dry - Fresh Mixed Regeneration Thicket / Fresh - Moist Mixed Meadow	14360.9
THMM2 / SWT	Fresh - Moist Mixed Thicket / Thicket Swamp	15547.8
WOODLAND COMMUNITIES		
WODM4	Dry - Fresh Deciduous Woodland	7031.7
WODM5	Fresh - Moist Deciduous Woodland	2926.3
WODM5-1	Fresh - Moist Poplar Deciduous Woodland	886.8
PLANTATION COMMUNITIES		
TAGM1	Coniferous Plantation	14159.3

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

Table 2 Ecological Land Classification (ELC) Vegetation Types

ELC Code	ELC Community Name	Area (sq. m)
FOREST COMMUNITIES		
FODM5-10	Dry – Fresh Sugar Maple – White Birch – Poplar Deciduous Forest	5554.3
FODM5-11	Dry – Fresh Sugar Maple – Hardwood Deciduous Forest	1824.2
FODM5-3	Dry – Fresh Sugar Maple – Oak Deciduous Forest	3543.2
FODM5-8	Dry – Fresh Sugar Maple – White Ash Deciduous Forest	3311.5
FODM8-1	Fresh – Moist Poplar Deciduous Forest	8139.6
FOMM4	Dry – Fresh White Cedar Mixed Forest	4644.6
FOMM4-2	Dry – Fresh White Cedar – Poplar Mixed Forest	54834.6
FOMM5	Dry – Fresh White Birch – Poplar – Conifer Mixed Forest	3476.4
FOMM8-1	Fresh – Moist Poplar Mixed Forest	4481.8
FOMM8-1 / FOMM10-2	Fresh – Moist Poplar Mixed Forest / Fresh - Moist White Spruce - Hardwood Mixed Forest	4048.5
WETLAND - MARSH COMMUNITIES		
MAMM1-12 / MAMM1-2	Common Reed Graminoid Mineral Meadow Marsh / Cattail Graminoid Mineral Meadow Marsh	2796.2
MAMM3 / FODM8-1	Mixed Mineral Meadow Marsh / Fresh – Moist Poplar Deciduous Forest	1643.7
MAMO1-2 / SWTO5	Cattail Graminoid Organic Meadow Marsh / Organic Deciduous Thicket Swamp	6890.6
MASO1-1	Cattail Organic Shallow Marsh	40646.9
WETLAND - AQUATIC COMMUNITIES		
SAF_1	Floating-leaved Shallow Aquatic	6234.4
WETLAND - SWAMP COMMUNITIES		
SWDM3-3 / SWDM4-5	Swamp Maple Mineral Deciduous Swamp / Poplar Mineral Deciduous Swamp	7342.0
SWDM4-5	Poplar Mineral Deciduous Swamp	4183.7
SWDM4-5 / MAMO1-2	Poplar Mineral Deciduous Swamp / Cattail Graminoid Organic Meadow Marsh	9888.5
SWDO2-3	Swamp Maple Organic Deciduous Swamp	15499.8
SWTM3	Willow Mineral Deciduous Thicket Swamp	4580.0
SWTO2	Willow Organic Deciduous Thicket Swamp	2198.5
SWTO2 / MASO1-1	Willow Organic Deciduous Thicket Swamp / Cattail Organic Shallow Marsh	24764.9
SWTO5	Organic Deciduous Thicket Swamp	1148.1
SWTO5 / MASO1-1	Organic Deciduous Thicket Swamp / Cattail Organic Shallow Marsh	5956.9

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

Table 2 Ecological Land Classification (ELC) Vegetation Types

ELC Code	ELC Community Name	Area (sq. m)
OTHER COMMUNITIES		
CGL	Green Lands	938.7
CVC_1	Business Sector	8137.6
CVC_4	Extraction	12916.0
CVI	Transportation and Utilities	6698.5
CVI_1	Transportation	1464.7
CVR_3	Single Family Residential	253520.0
CVR_4	Rural Property	173435.3
CVR_4 / CVR_3	Rural Property / Single Family Residential	74035.6
CVR_4 / TAGM1	Rural Property / Coniferous Plantation	1378.6
CVR_4 / THCM1	Rural Property / Dry - Fresh Coniferous Regeneration Thicket	17543.2
CVR_4 / THMM2	Rural Property / Fresh - Moist Mixed Thicket	5659.9
CVS_2	Health	4624.0
OAG	Open Agriculture	91824.5
OAGM1	Annual Row Crops	219502.9
OAGM2	Perennial Cover Crops	140198.7
OAGM4	Open Pasture	73221.7

FLORA

No plant species at risk were documented that may have been identifiable during the time of year the survey was conducted (e.g., Butternut, Black Ash). A subsequent survey for Eastern Prairie Fringed Orchid, which could occur within roadside ditches and in the proposed work area, will occur in summer 2022.

WILDLIFE HABITAT ASSESSMENT

No seeps, springs, reptile hibernacula, stick nests or vernal pools were observed during the roadside surveys conducted in 2021.

Woodland habitat such as forest (FOD), Woodland (WOD) or Swamp (SWD) is present in many areas adjacent the Study Area. These wooded features likely contain standing snags which may provide potential bat maternity roosting habitat for bat species at risk (SAR; species protected under the *Endangered Species Act*). However, these features were not observed immediately adjacent the road edge. Forests (FO) and woodlands (WO) that are deciduous, coniferous, or mixed in composition may provide suitable habitat for several bird species, including the Eastern Whip-poor-will, a SAR. Mature forests that are deciduous in composition (FOD) and large open deciduous woodlands (WOD) may also provide suitable habitat for many bird species including the Cerulean Warbler, a SAR. Woodland habitat is shown on Figures 1-1 to 1-7 and 1-9 in the attached mapbook.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

Shallow marsh (MAS) and shallow water (SAF) communities along the edge of Pigeon Lake and at the very south end of the Study Area are suitable and potential habitat for turtles, including another SAR, Blanding's Turtle. Large, shallow marsh communities dominated by cattails (MASO1-1) could also provide suitable habitat for a marsh bird SAR, Least Bittern. Aquatic habitats are shown on Figures 1-1, 1-3, 1-6, 1-8 and 1-9 in the attached mapbook.

Grassland habitat was documented in hayfields (OAGM2), open pastures (OAGM4), meadows (MEMM), and thickets (THC, THD or THM). These communities could potentially support breeding Bobolink and Eastern Meadowlark, two species of grassland SAR birds. Barn Swallow, a SAR that breeds and forages in agricultural habitats is also likely to be found in OAG communities. Agricultural, meadow and thicket communities are shown on Figures 1-1 to 1-10 in the attached mapbook.

Chimney Swift is a SAR that requires artificial structures to breed (i.e., chimneys) and may be found in residential (CVR) communities. Residential communities are shown on Figures 1-1 to 1-10 in the attached mapbook.

For additional details on wildlife and wildlife habitat, including SAR and other important species, please refer to *Bobcaygeon Community Expansion Project: Environmental Report (*Stantec 2021).

SAR MITIGATION

The following mitigation measures are proposed and under consultation with the Ministry of the Environment, Conservation and Parks, the administering body of the *Endangered Species Act*. Therefore, the permitting and mitigation measures recommended below may be subject to change.

BAT SAR

A potential adverse effect to bat SAR within the Study Area is a loss of roosting habitat. However, as construction will be restricted to the road Right-of-Way, tree clearing and/or pruning will be limited and not expected to affect the availability of roosts in the local landscape.

To avoid direct impacts to SAR bats, tree clearing/pruning will occur outside the active window (April 1 - September 30). In the event limited tree clearing/pruning is required during the active season, an assessment will be completed to identify candidate roost trees and exit surveys will be completed to assess use of the roost tree. If roost trees are confirmed, Enbridge Gas will consult with MECP to discuss avoidance and/or ESA authorization requirements.

EASTERN WHIP-POOR-WILL

Work is restricted to the Right-of-Way where Eastern Whip-poor-will are unlikely to be present. Further, the disturbance will be temporary and open habitats in the Right-of-way will be restored to their original state following construction.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

CERULEAN WARBLER

Cerulean Warbler generally selects breeding territories away from "hard" forest edges and prefers to nest closer to the interior of forested communities (ECCC 2020). As work is restricted to the Right-of-Way which does not intersect interior forest communities and TWS's that are outside forested communities, impacts to this species are not anticipated. If limited tree clearing is required, it will be completed outside the breeding season (April 1 to August 31) or, if necessary, breeding bird sweeps will take place prior to any vegetation removal.

LEAST BITTERN

Work is restricted to the Right-of-Way where Least Bittern are unlikely to be present. Impacts to Least Bittern habitat are not anticipated. This species requires large wetlands (typically wetlands greater than 5 hectares) dominated by cattails for breeding, and construction will be restricted to the edges of wetlands where the species is unlikely to be present (COSEWIC 2009).

Additionally, HDD (horizontal directional drilling) may be utilized at wetland crossings encroaching onto the Right-of-Way. HDD is a construction technique used to avoid impacts to sensitive habitats, including wetlands where Least Bittern may be present. Specific protective measures pertaining to the use of HDD in wetlands encroaching onto the Right-of-Way can be found in Table 5.1 Section 3.3.3 of the *Bobcaygeon Community Expansion Project: Environmental Report* (Stantec 2021).

BLANDING'S TURTLE

Blanding's Turtle may be present in watercourses and wetlands within the Right-of-Way. Exclusionary fencing will be installed during construction at areas identified as potential Blanding's Turtle habitat (wetlands, watercourses). BMPs from OMNRF's (2016) *Best Management Practices for Mitigating the Effects of Roads on Amphibians and Reptile Species at Risk in Ontario* will be considered when installing exclusionary fencing and an Environmental Monitor will look for signs of turtles (nesting or adults) during construction activities in work areas.

Exclusion fencing (e.g., silt fence) should be erected on both sides of the road prior to activities occurring during the active season (e.g., April 1 – September 30) in areas identified as having turtles (250 m for Blanding's turtle) or as being high potential, such as stream/river crossings, lake shores, ponds, wetlands, dips or valleys between rock outcrops, wetted ditches connected to natural water features.

Exclusion fencing should be installed prior to the sensitive nesting season (May 1 and June 30) if activities are anticipated to occur throughout this period to prevent turtles from entering and/or nesting; or pre-screening can be completed to avoid nests if work must begin during nesting season. No heavy machinery should be permitted on the shoulder of the road past the exclusion fencing to prevent compaction and prevent destruction of nests and habitat. Where possible, restrict construction activities within 30 m of a nesting site.

Impacts to upland habitat (i.e., within 250m of wetlands) will be restricted to the road Right-of-Way. Such roadside habitat is expected to be of low quality for Blanding's Turtle and is likely acting as an ecological sink. Temporary disturbance to the roadside habitat is not anticipated to affect Blanding's Turtles.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

Additionally, HDD (horizontal directional drilling) may be utilized at wetland crossings encroaching onto the Right-of-Way. HDD is a construction technique used to avoid impacts to sensitive habitats, including wetlands where Blanding's Turtle may be present. Specific protective measures pertaining to the use of HDD in wetlands encroaching onto the Right-of-Way can be found in Table 5.1 Section 3.3.3 of the *Bobcaygeon Community Expansion Project: Environmental Report* (Stantec 2021).

BOBOLINK AND EASTERN MEADOWLARK

Bobolink and Eastern Meadowlark are expected to potentially occur within meadows, pastures, and hayfields that may overlap with the Project location. Avoidance of work within these areas between May 1 and August 31 are recommended to avoid impacts to these species. Clearing is to be completed during the bird nesting season, and nest sweeps should be completed no later than seven days prior to clearing activities. Work is generally restricted to the Right-of-Way and as such, no impacts to Bobolink or Eastern Meadowlark are anticipated. TWS's also do not include suitable habitat and as such, no impacts to Bobolink or Eastern Meadowlark are anticipated in these areas.

CHIMNEY SWIFT

Impacts to suitable Chimney Swift nest structures (e.g., buildings with suitable chimneys) are not anticipated. In the unlikely event impacts to a nesting structure is unavoidable, Enbridge Gas will consult with MECP to obtain ESA authorization.

BARN SWALLOW

Suitable nesting structures (i.e., buildings, box culverts, bridges) will be identified in the spring and summer of 2022 and an assessment will be made to determine if any direct impacts to the structure will be made during construction. Generally, culvert and watercourse crossings will be completed using HDD (horizontal directional drill) and as such, impacts are not anticipated at these locations.

In the event a structure will be directly impacted, the Project will consider obtaining an ESA authorization through O. Reg. 830/21, including removal of the structure outside the breeding bird window (April 1 – August 31) and provision of a new structure. Impacts to foraging habitat (e.g., agricultural communities) are not anticipated, as work is restricted to the Right-of-Way.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

EASTERN PRAIRIE FRINGED ORCHID

A subsequent survey for Eastern Prairie Fringed Orchid, which could occur within roadside ditches and in the proposed work area, will occur in summer 2022. If present, Enbridge Gas will further consult with MECP on avoidance measures and/or ESA authorization requirements.

Stantec Consulting Ltd.

Digitally signed by Straus, Melissa
Date: 2022.05.10 15:14:44 -04'00'

Melissa Straus M.Sc.
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Attachment: Figures 1-1 to 1-10 (ELC Mapbook)

REFERENCES

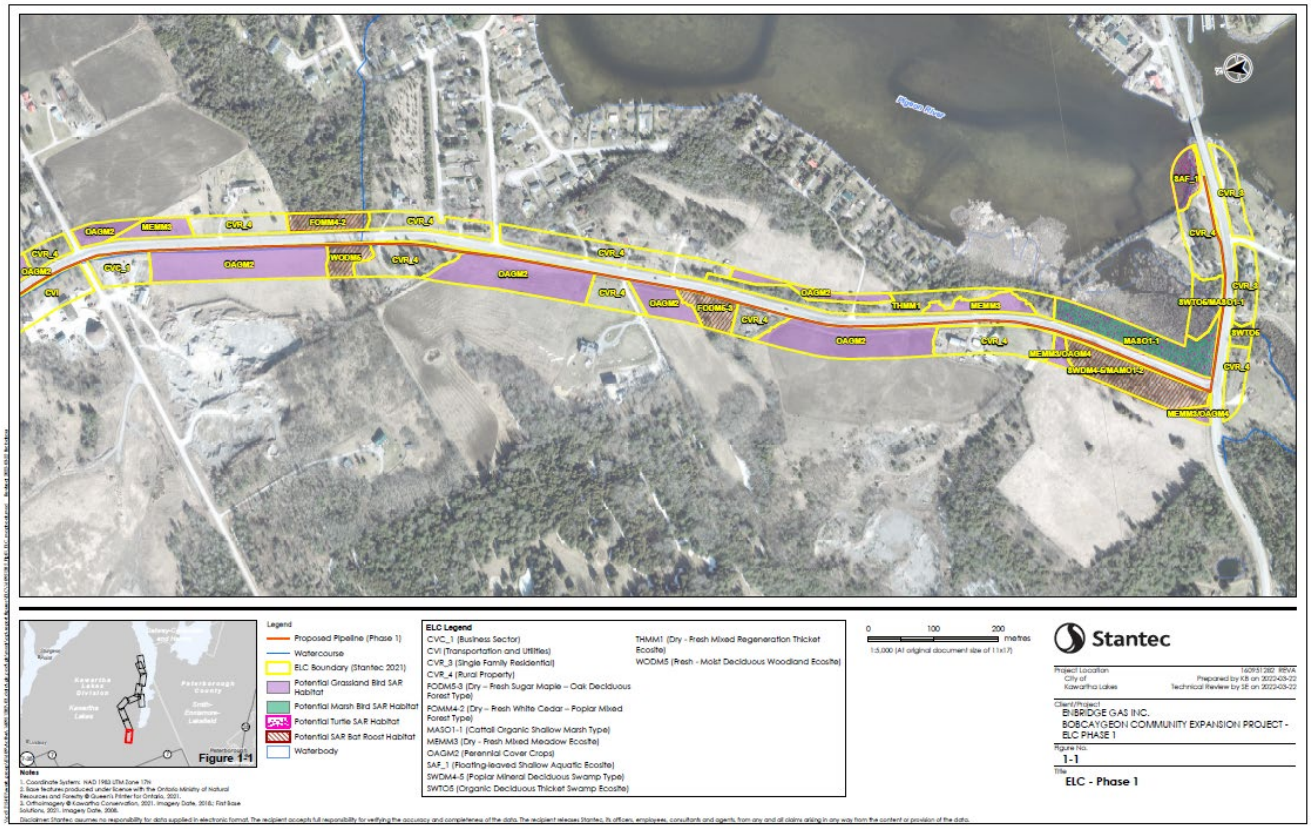
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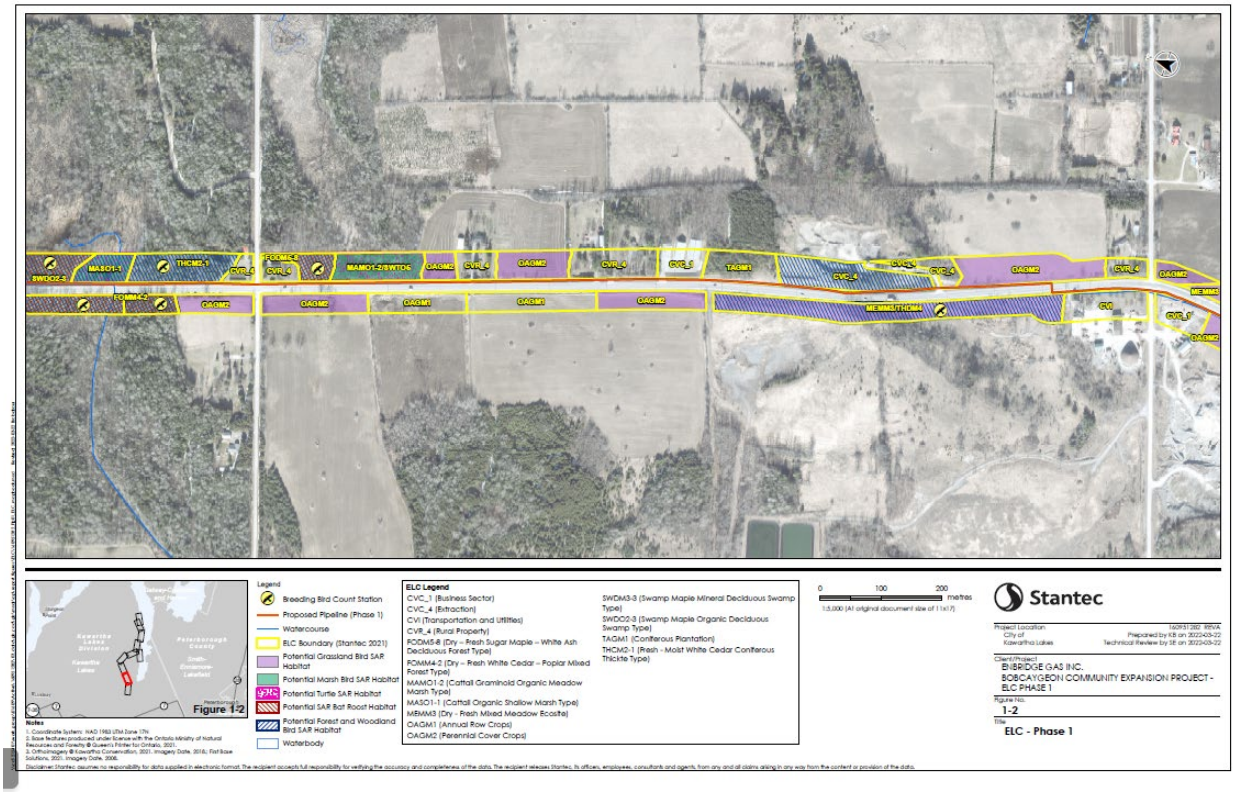
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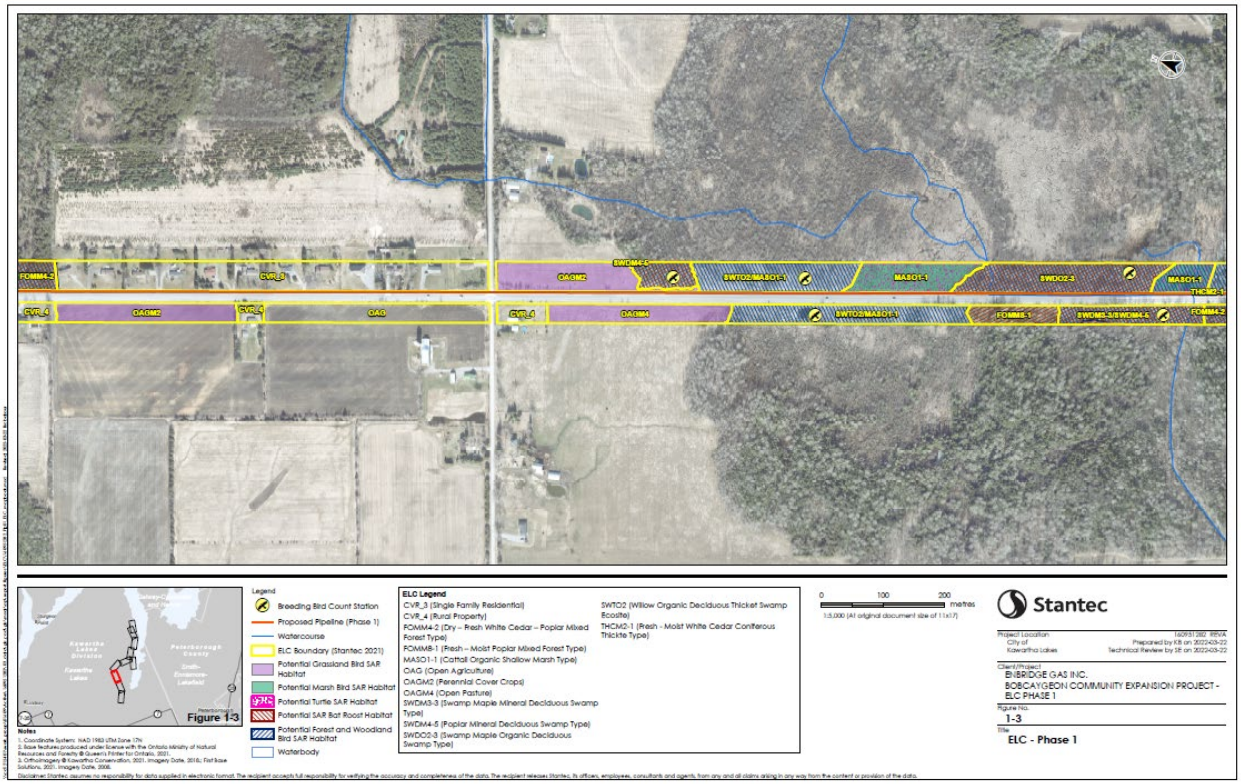
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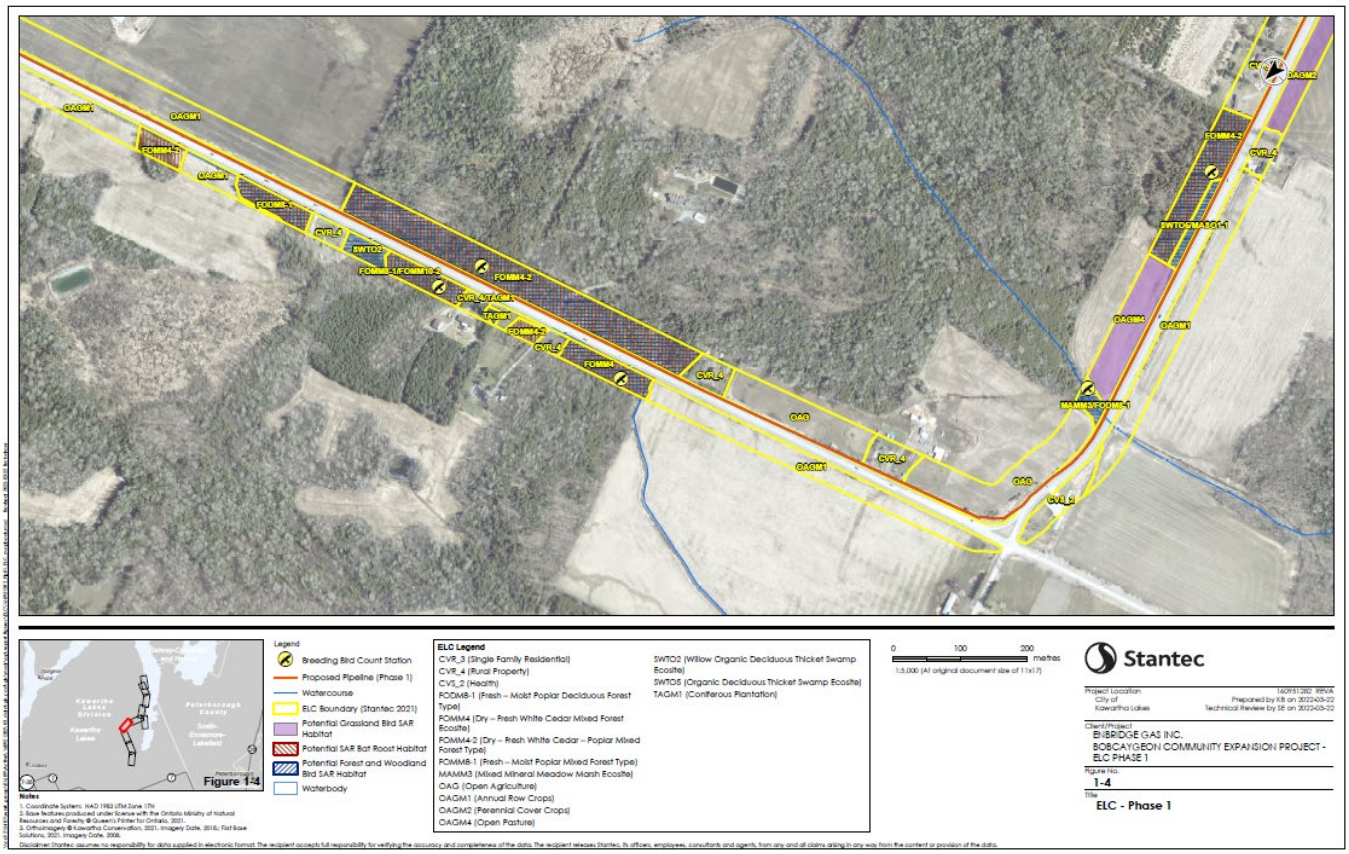
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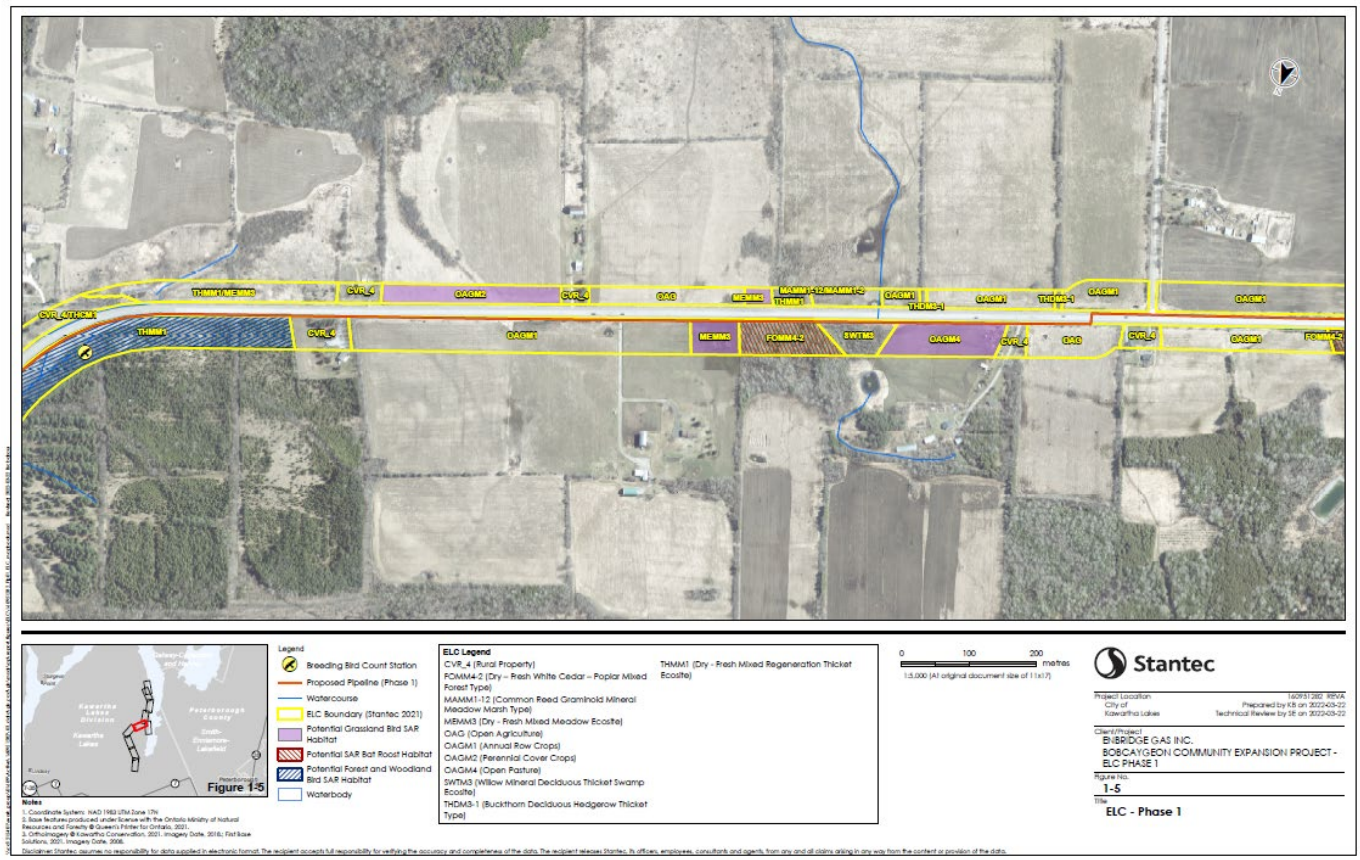
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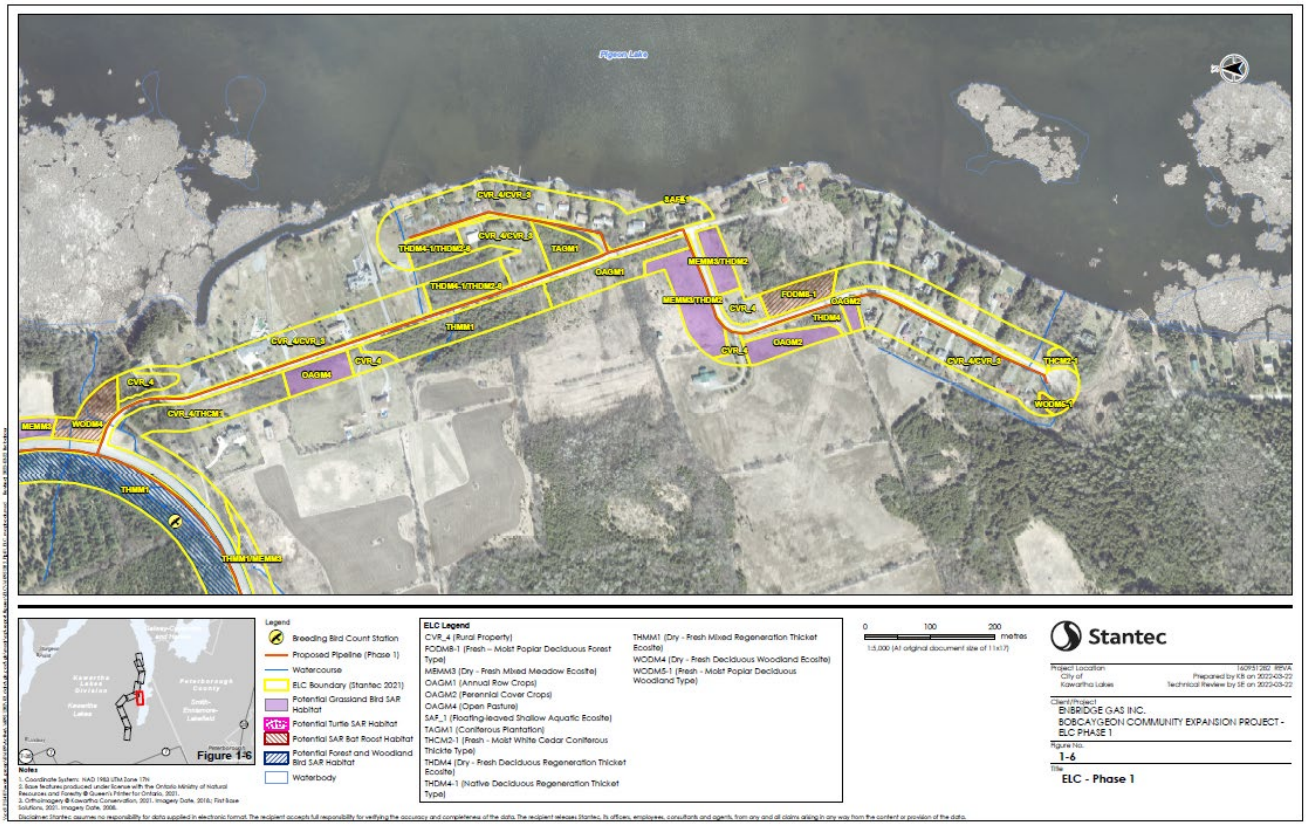

Figure 1-1
Legend
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Waterbody
ELC Legend
CVC_1 (Business Sector)
CVI (Transportation and Utilities)
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
FODM5-3 (Dry – Fresh Sugar Maple – Oak Deciduous Forest Type)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
MAS01-1 (Cattail Organic Shallow Marsh Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAGM2 (Perennial Cover Crops)
SAF_1 (Floating-leaved Shallow Aquatic Ecosite)
SWDM4-5 (Poplar Mineral Deciduous Swamp Type)
SWTO5 (Organic Deciduous Thicket Swamp Ecosite)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
WODM5 (Fresh - Moist Deciduous Woodland Ecosite)
0
100
200
metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-1
Title
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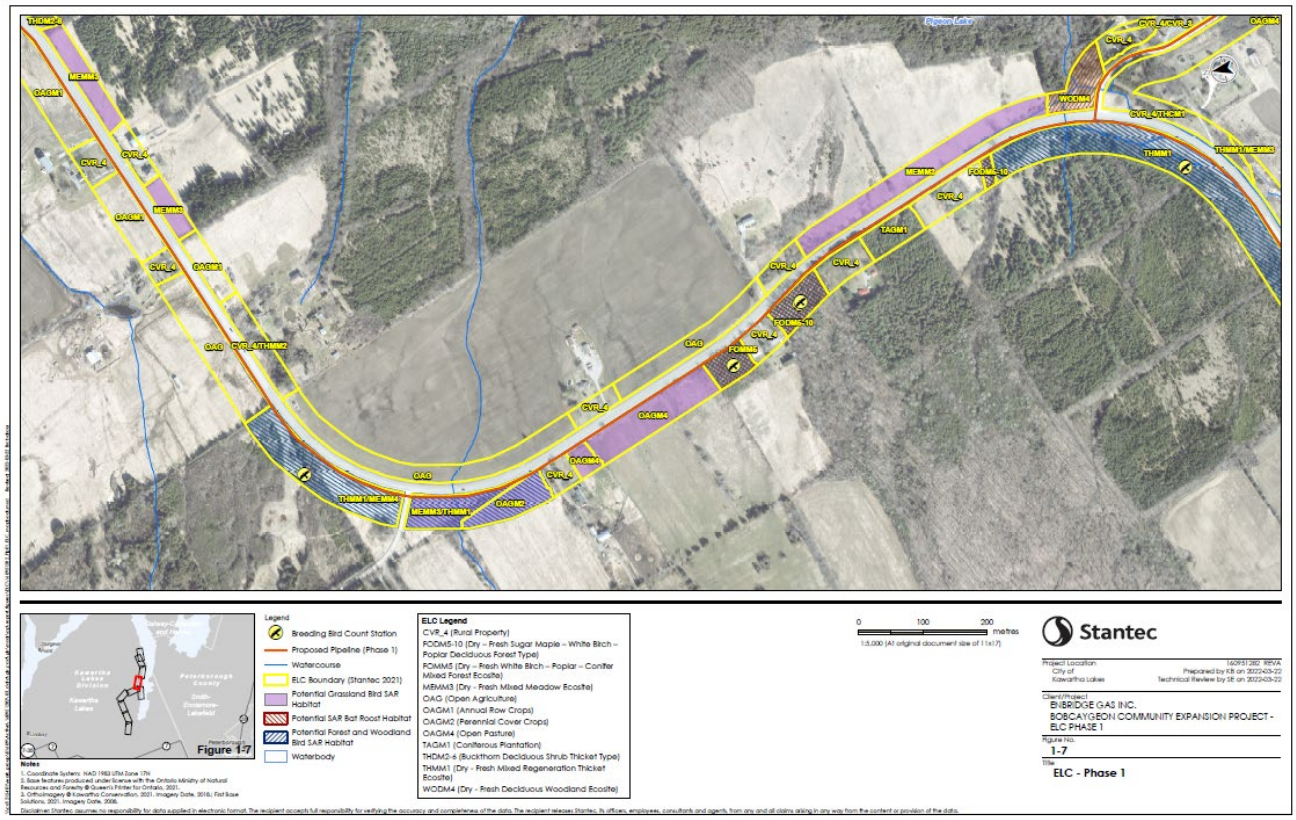

SWDO2-2
MASO1-1
THCM2_1
CVR_4
FODM5-8
MAMO1-2/SWTD6
OAGM2
CVR_5
TAGM1
CVC_1
MEMM3/THDM4
CVI
OAGM1
Figure 1-2
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVC_1 (Business Sector)
CVC_4 (Extraction)
CVI (Transportation and Utilities)
CVR_4 (Rural Property)
FODM5-8 (Dry – Fresh Sugar Maple – White Ash Deciduous Forest Type)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
MAMO1-2 (Cattail Graminoid Organic Meadow Marsh Type)
MASO1-1 (Cattail Organic Shallow Marsh Type)
MBMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
SWDM3-3 (Swamp Maple Mineral Deciduous Swamp Type)
SWDO2-3 (Swamp Maple Organic Deciduous Swamp Type)
TAGM1 (Coniferous Plantation)
THCM2-1 (Fresh - Moist White Cedar Coniferous Thicklte Type)
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metres
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Project Location
City of Kawartha Lakes
1609137.202 RPA
Prepared by KB on 2022-03-22
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1-2
Title
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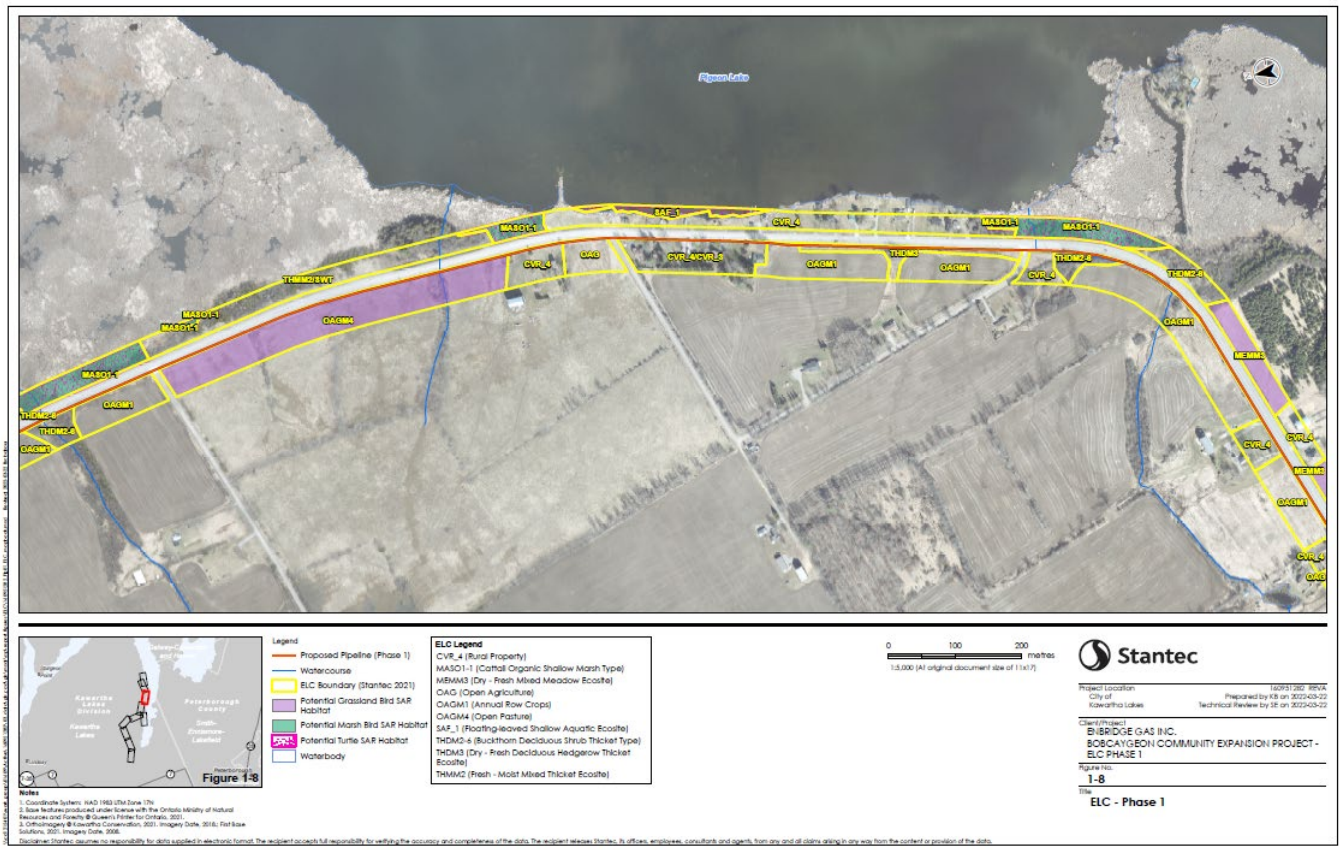

FOMM4-2
CVR_3
OAGM2
SWDM4-2
SWTO2/MASO1-1
MASO1-1
SWDO2-3
MASO1-1
THCM2-1
CVR_4
OAGM2
CVR_4
OAG
CVR_4
OAGM4
SWTO2/MASO1-1
FOMM8-1
SWDM3-3/SWDM4-6
FOMM4-2
Figure 1-3
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
FOMM8-1 (Fresh – Moist Poplar Mixed Forest Type)
MASO1-1 (Cattail Organic Shallow Marsh Type)
OAG (Open Agriculture)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
SWDM3-3 (Swamp Maple Mineral Deciduous Swamp Type)
SWDM4-6 (Poplar Mineral Deciduous Swamp Type)
SWDO2-3 (Swamp Maple Organic Deciduous Swamp Type)
SWTO2 (Willow Organic Deciduous Thicket Swamp Ecosite)
THCM2-1 (Fresh - Moist White Cedar Coniferous Thickte Type)
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City of Kawartha Lakes
1609151.282 RPVA
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Figure No.
1-3
Title
ELC - Phase 1
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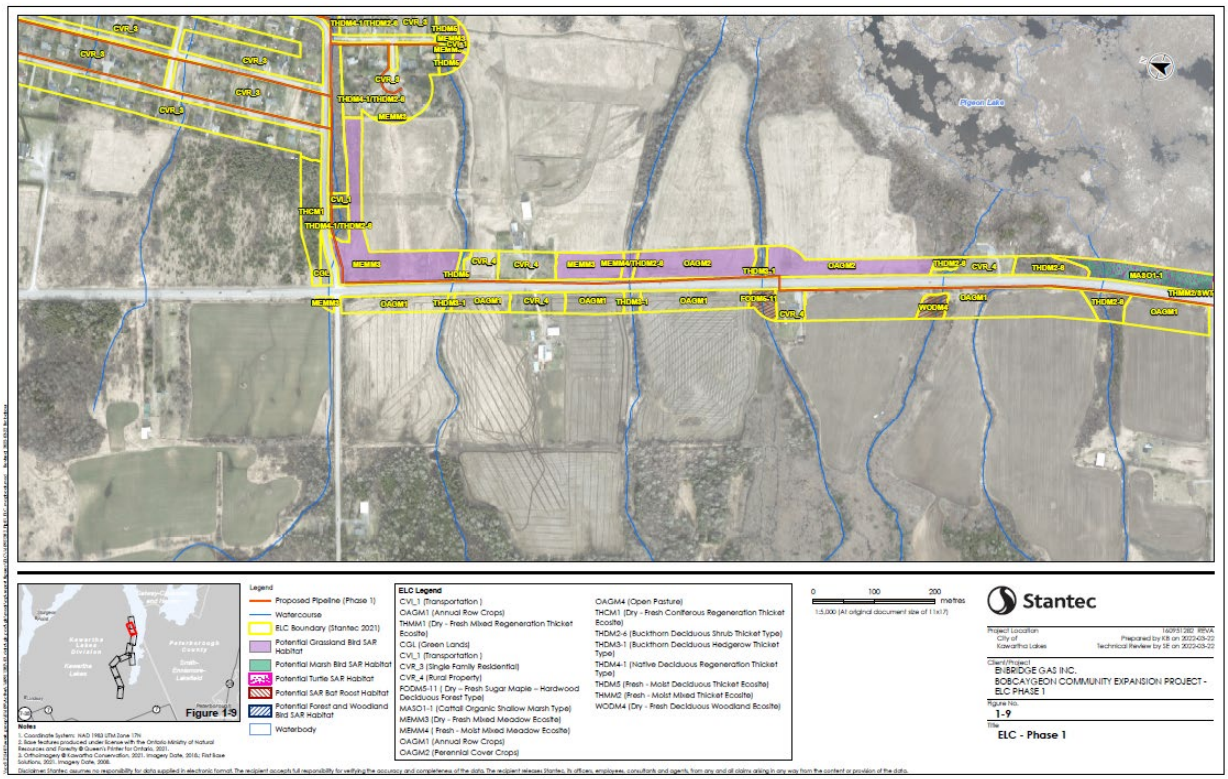

OAGM1
OAGM2
FOMM4-3
CVR_4
SWTO5/MAM3/OAGM1-1
OAGM4
MAMM3/FOMM8-1
OAG
CVR_5
FOMM4-2
SWTO2
FOMM8-1/FOMM10-2
CVR_4/TAGM1
TAGM1
FOMM4
Figure 1-4
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
CVS_2 (Health)
FOMM8-1 (Fresh – Moist Poplar Deciduous Forest Type)
FOMM4 (Dry – Fresh White Cedar Mixed Forest Ecosite)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
FOMM8-1 (Fresh – Moist Poplar Mixed Forest Type)
MAMM3 (Mixed Mineral Meadow Marsh Ecosite)
OAG (Open Agriculture)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
SWTO2 (Willow Organic Deciduous Thicket Swamp Ecosite)
SWTO5 (Organic Deciduous Thicket Swamp Ecosite)
TAGM1 (Coniferous Plantation)
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Stantec
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City of Kawartha Lakes
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BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-4
Title
ELC - Phase 1
Notes
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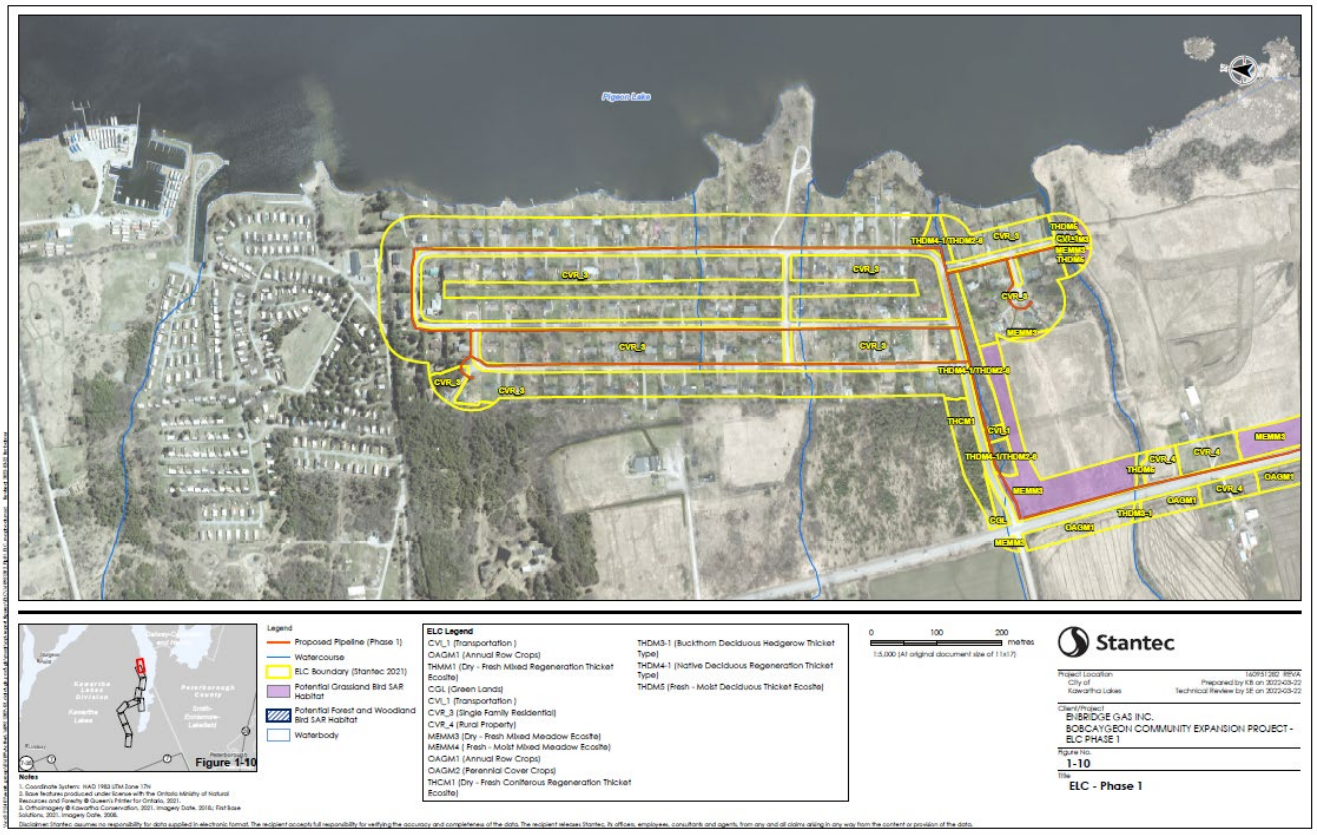

THMM1/MEMM3
CVR_4
OAGM2
OAG
MEMM3
MAMM1-12/MAMM1-2
THMM1
OAGM1
THDM3-1
CVR_4/THCM3
THMM1
FOMM4-2
SWTM3
OAGM4
FOMM4-2
Figure 1-5
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_4 (Rural Property)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
MAMM1-12 (Common Reed Graminoid Mineral Meadow Marsh Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAG (Open Agriculture)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
SWTM3 (Willow Mineral Deciduous Thicket Swamp Ecosite)
THDM3-1 (Buckthorn Deciduous Hedgerow Thicket Type)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
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metres
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160951282 RPT.A
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Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-5
Title
ELC - Phase 1


Pigeon Lake
CVR_4/CVR_5
SAF_5
THDM4-1/THDM2-6
CVR_4/CVR_5
TAGM1
MEMM3/THDM2
OAGM1
THDM4-1/THDM2-6
FODM8-1
OAGM2
MEMM3/THDM2
CVR_4
THDM4
THMM1
CVR_4/CVR_5
CVR_4
OAGM2
CVR_4/CVR_5
THDM2-1
OAGM4
CVR_4
WODM5-1
CVR_4
CVR_4/THDM4-1
MEMM3
WODM4
THMM1
THMM1/MEMM3
Figure 1-6
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_4 (Rural Property)
FODM8-1 (Fresh – Moist Poplar Deciduous Forest Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
SAF_1 (Floating-leaved Shallow Aquatic Ecosite)
TAGM1 (Coniferous Plantation)
THDM2-1 (Fresh - Moist White Cedar Coniferous Thicket Type)
THDM4 (Dry - Fresh Deciduous Regeneration Thicket Ecosite)
THDM4-1 (Native Deciduous Regeneration Thicket Type)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
WODM4 (Dry - Fresh Deciduous Woodland Ecosite)
WODM5-1 (Fresh - Moist Poplar Deciduous Woodland Type)
0
100
200
metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-6
Title
ELC - Phase 1


Pigeon Lake
THDM2-6
MEMM5
OAGM1
CVR_4
OAGM3
MEMM3
OAGM2
CVR_4/THMM2
OAG
THMM1/MEMM4
MEMM3/THMM1
OAGM2
CVR_4/CVR_3
OAGM7
WODM4
CVR_4/THDM6
THMM1
THMM1/MEMM3
MEMM1
FODM5-10
TAGM1
FOMM5
OAGM4
OAGM5
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_4 (Rural Property)
FODM5-10 (Dry – Fresh Sugar Maple – White Birch – Poplar Deciduous Forest Type)
FOMM5 (Dry – Fresh White Birch – Poplar – Conifer Mixed Forest Ecosite)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAG (Open Agriculture)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
TAGM1 (Coniferous Plantation)
THDM2-6 (Buckthorn Deciduous Shrub Thicket Type)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
WODM4 (Dry - Fresh Deciduous Woodland Ecosite)
0 100 200 metres
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Figure 1-7
Notes
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Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-7
Title
ELC - Phase 1


Pigeon Lake
SAF_1
MASO1-1
CVR_4
THDM2-6
THDM2-4
THDM3
OAGM1
OAGM4
OAG
MEMM3
Figure 1-8
Legend
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Waterbody
ELC Legend
CVR_4 (Rural Property)
MASO1-1 (Cattail Organic Shallow Marsh Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAG (Open Agriculture)
OAGM1 (Annual Row Crops)
OAGM4 (Open Pasture)
SAF_1 (Floating-leaved Shallow Aquatic Ecosite)
THDM2-6 (Buckthorn Deciduous Shrub Thicket Type)
THDM3 (Dry - Fresh Deciduous Hedgerow Thicket Ecosite)
THMM2 (Fresh - Moist Mixed Thicket Ecosite)
0
100
200
metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-8
Title
ELC - Phase 1
Notes
1. Coordinate System: NAD 1983 UTM Zone 17N
2. Base features produced under license with the Ontario Ministry of Natural Resources and Forestry © Queen's Printer for Ontario, 2021.
3. Orthoimagery © Kawartha Conservation, 2021. Imagery Date, 2018; First Base Solutions, 2021. Imagery Date, 2008.
Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.


Pigeon Lake
Figure 1-9
Legend
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVI_1 (Transportation)
OAGM1 (Annual Row Crops)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
CGL (Green Lands)
CVI_1 (Transportation)
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
FODM5-11 (Dry – Fresh Sugar Maple – Hardwood Deciduous Forest Type)
MASO1-1 (Cattail Organic Shallow Marsh Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
MEMM4 (Fresh - Moist Mixed Meadow Ecosite)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
THCM1 (Dry - Fresh Coniferous Regeneration Thicket Ecosite)
THDM2-6 (Buckthorn Deciduous Shrub Thicket Type)
THDM3-1 (Buckthorn Deciduous Hedgerow Thicket Type)
THDM4-1 (Native Deciduous Regeneration Thicket Type)
THDM5 (Fresh - Moist Deciduous Thicket Ecosite)
THMM2 (Fresh - Moist Mixed Thicket Ecosite)
WODM4 (Dry - Fresh Deciduous Woodland Ecosite)
0 100 200 metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SR on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-9
Title
ELC - Phase 1


Pigeon Lake
CVR_5
CVR_6
CVR_7
CVR_8
CVR_9
CVR_10
CVR_11
CVR_12
CVR_13
CVR_14
CVR_15
CVR_16
CVR_17
CVR_18
CVR_19
CVR_20
CVR_21
CVR_22
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CVR_32
CVR_33
CVR_34
CVR_35
CVR_36
CVR_37
CVR_38
CVR_39
CVR_40
CVR_41
CVR_42
CVR_43
CVR_44

Line-item attachment 2.11

From: Melanie Green
To: bfnchief@chimnissing.ca; consultations@chimnissing.ca; Karry Sandy Mackenzie
Cc: Lauryn Graham
Subject: Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment
Date: Thursday, May 12, 2022 10:51:36 AM

Good morning,

I have been given information related to; PHASE 1 Ecological Land Classification and Habitat Assessment related to Bobcaygeon Community expansion project – should you be interested in reviewing, the information to access below.
As always, your feedback is appreciated and Enbridge acknowledges that capacity support may be required in order engage in timely reviews of the documents, participation in archaeological work associated with proposed projects, and to engage in meaningful consultation. We are prepared to provide capacity funding to support this work.

Should time allow, we would appreciate comments and feedback by **June 8th, 2022** – if you force requiring more time, please let me know.

Thank you and have a fabulous day!

Mel

Login Information

Browser link: https://tmpsftp.stantec.com
FTP Client Hostname: tmpsftp.stantec.com **Port:** 22 (can be used within a SFTP client to view and transfer files and folders; e.g., FileZilla)
Login name: s0518142202
Password: 7969419
Disk Quota: 20 GB
Expiry Date: 5/18/2022

Thank you,

Mel

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

Public Affairs, Communications & Sustainability

Line-item attachment 2.19

From: Melanie Green
To: bfnchief@chimnissing.ca; consultations@chimnissing.ca; Karry Sandy Mackenzie
Cc: Lauryn Graham
Subject: Bobcaygeon Community Expansion Project - Stage 1 AA MTCS
Date: Tuesday, September 13, 2022 8:48:06 AM

God morning,

Please see attached FTP site related to the Stage 1 AA pertaining to Bobcaygeon Community Expansion Project – We have been provided the report as it has been accepted by the MTCS. We are interested in your review and feedback –

Login Information

Browser link: https://tmpsftp.stantec.com
FTP Client Hostname: tmpsftp.stantec.com **Port:** 22 (can be used within a SFTP client to view and transfer files and folders; e.g., FileZilla)
Login name: s0916131613
Password: 2177426
Disk Quota: 20 GB
Expiry Date: 9/23/2022

thank you and have a great day!

Mel

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

Public Affairs, Communications & Sustainability
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Line-item attachment 2.21

From: Melanie Green
To: bfnchief@chimnissing.ca; consultations@chimnissing.ca; Karry Sandy Mackenzie
Cc: Lauryn Graham
Subject: Stage 2 AA - Bobcaygeon Community Expansion Project (Memo)
Date: Thursday, February 16, 2023 2:17:41 PM
Attachments: 160951282_2022_arch_field_memo_rev.pdf

Good afternoon,

We just received an archaeological field memo detailing high level results/pictures from the Stage 2 AA field work for Phases 1-2 and photo documentation for Phase 3, related to the Bobcaygeon Community Expansion Project. A detailed report is forthcoming and as soon as it is received, I will send it off for review and comment.

Should you have any questions, please reach out.

Thank you in advance,

Mel

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

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Line-item attachment 2.23

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Stantec Consulting Ltd.
100-300 Hagey Boulevard, Waterloo ON N2L 0A4

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May 2, 2023

Beausoleil First Nation

SENT VIA EMAIL

Reference: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Project Amendment

On September 1, 2021, Enbridge Gas Inc. ("Enbridge Gas" or the "Company") circulated a Notice of Study Commencement and Virtual Open House for the proposed Bobcaygeon Community Expansion Project, which would supply the community with affordable natural gas (the "Project"). The Project will be located in the City of Kawartha Lakes and Township of Cavan-Monaghan. As part of the planning process, Enbridge Gas retained Stantec Consulting Ltd. ("Stantec") to undertake an Environmental Study for the Project. The Environmental Study fulfilled the requirements of the Ontario Energy Board's ("OEB") "*Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)*"[1].

On June 9, 2021, the proposed Bobcaygeon Community Expansion Project ("Project") was approved to receive funding assistance as part of Phase 2 of the Government of Ontario's Natural Gas Expansion Program, which provides financial support to help utilities expand natural gas distribution in communities that are not currently connected to the natural gas system.

On May 2, 2022, Enbridge Gas applied to the OEB pursuant to section 90(1) of the Ontario Energy Board Act, S.O. 1998, c. 15, Schedule B, for an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities for which the Company sought OEB approval consisted of:

(i) A Supply Lateral:
- Approximately 25 km of Nominal Pipe Size ("NPS") 6-inch extra high pressure ("XHP") steel ("ST") natural gas distribution pipeline.
- Approximately 2 km of NPS 6-inch high pressure polyethylene ("HPPE") natural gas distribution pipeline.
- Approximately 1 km of NPS 6-inch high pressure ("HP") ST natural gas distribution pipeline.

(ii) Eastern Reinforcement
- Approximately 13 km of NPS 6-inch XHP ST natural gas pipeline.

Enbridge Gas subsequently filed three requests for abeyance of the aforementioned application on July 5, 2022, October 31, 2022, and February 28, 2023, in order to update and interpret the results of the market analysis and surveys for the Project to provide an appropriate basis for the customer attachment forecasts filed in support of the application. The OEB confirmed on March 3, 2023, that they will continue to hold the application in abeyance until June 30, 2023.

The purpose of this letter is to inform you that Enbridge Gas is proposing to file an updated application with the OEB no later than June 30, 2023, seeking an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities for which the Company is seeking OEB approval consists of the aforementioned Supply Lateral and Eastern Reinforcement; however, the Eastern Reinforcement has since been reduced

[1]The OEB Released the 8th Edition of the Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario in March 2023, after the initiation, consultation and finalization of the Bobcaygeon Community Expansion Project and associated Environmental Report.

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Stantec Consulting Ltd.
100-300 Hagey Boulevard, Waterloo ON N2L 0A4

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to approximately 8 km of NPS 6-inch XHP ST natural gas pipeline. There is no change to the proposed Supply Lateral. Please see the attachment (Figure 1) for the updated map of the Project.

Stantec has reviewed the updated Project scope, as outlined above, in comparison to the information presented in the 2021 Environment Report and have determined that the updated Project scope is sufficiently covered in the Environmental Report, and that no adjustments or revisions to the Environmental Report are necessary.

If you have questions or comments regarding the Bobcaygeon Community Expansion Project, please do not hesitate to contact the undersigned.

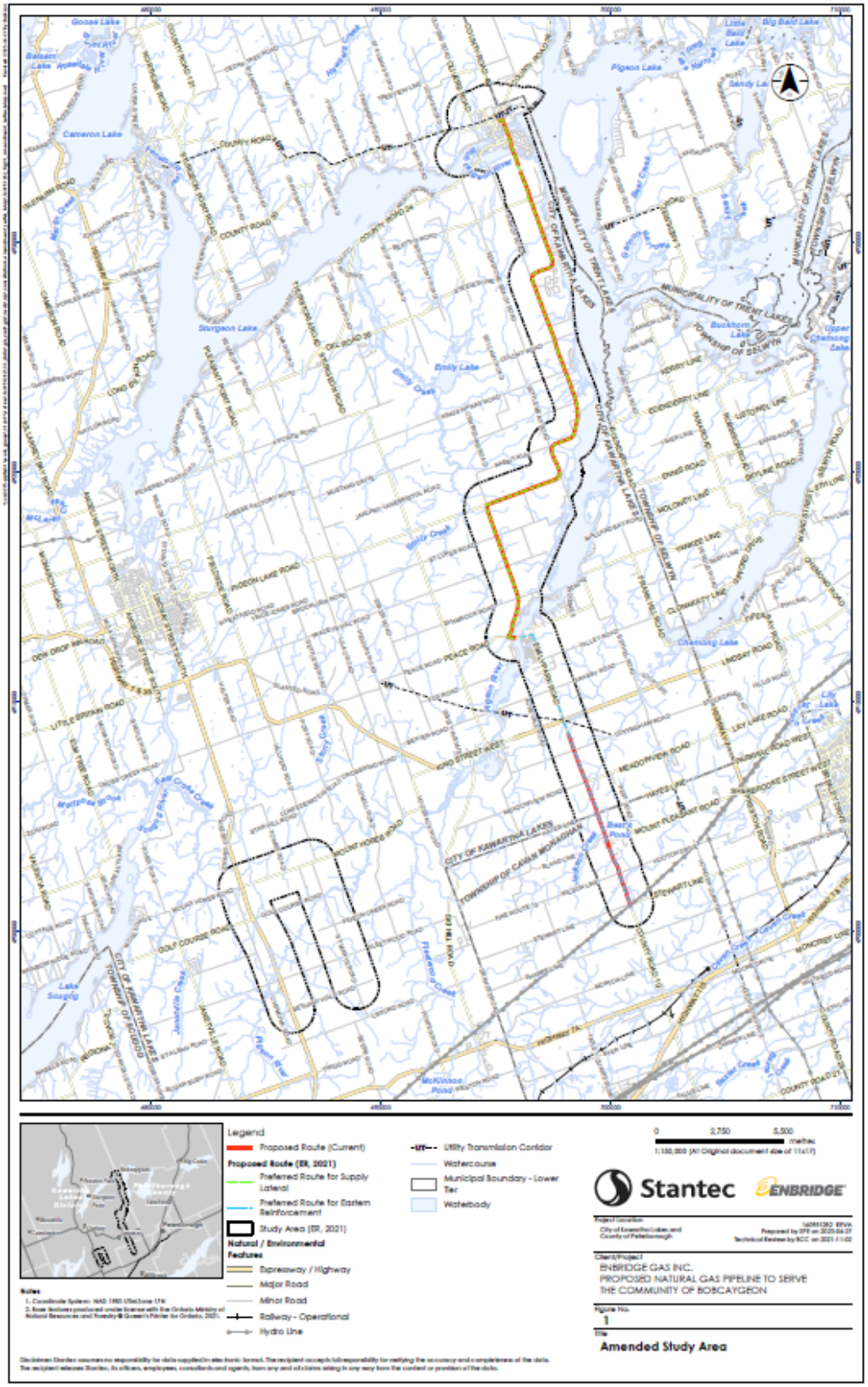
Yours truly,

Emily Hartwig
Stantec Consulting Ltd.
Environmental Consultant
Phone: 519 585 3849
BobcaygeonEA@stantec.com

Attachment: Figure 1 – Amended Study Area

c. Sarah Kingdon-Benson, Senior Advisor, Environment, Enbridge Gas Inc.

[1]The OEB Released the 8th Edition of the Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario in March 2023, after the initiation, consultation and finalization of the Bobcaygeon Community Expansion Project and associated Environmental Report.


Legend
Proposed Route (Current)
Proposed Route (ER, 2021)
Preferred Route for Supply Lateral
Preferred Route for Eastern Reinforcement
Study Area (ER, 2021)
Natural / Environmental Features
Expressway / Highway
Major Road
Minor Road
Railway - Operational
Hydro Line
Utility Transmission Corridor
Watercourse
Municipal Boundary - Lower Tier
Waterbody
Stantec
ENBRIDGE
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON
Figure No.
1
Amended Study Area

Line-item attachment 3.0

From: Melanie Book <Melanie.Book@enbridge.com>
Sent: Tuesday, August 31, 2021 3:21 PM
To: donna.bigcanoe@georginaisland.com
Cc: sylvia.mccue@georginaisland.com
Subject: Project Initiation- Bobcaygeon Community Expansion Project

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Afternoon Chief Big Canoe,
Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon CommunityExpansion Project,* attached.

Project Summary:
Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking the community's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.
Miigwech,
Melanie

Melanie Book
Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Strategiste,
Engagement communautaire et autochtone, Ontario, Quebec et Maritimes

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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com400
Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

Stantec

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August 31, 2021

Chief Donna Big Canoe
Chippewas of Georgina Island
Box N-13, RR #2

Sutton West L0E 1R0

Dear Chief Big Canoe,

Reference: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Study Commencement and Virtual Open House

I am writing to advise you of an upcoming gas pipeline project in the Bobcaygeon area, in the Williams Treaties Traditional Territory. Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of upto approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.

The proposed Project is divided into two components: the Supply Lateral, and the Reinforcement, each ofwhich have two (2) routes being considered. For the Supply Lateral, both routes will start near Cowan's Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channel. An alternate route is being considered which has a minor deviation east alongTraceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon LakeRoad. For the Reinforcement, both route options require the reinforcement portion which starts near the intersection of Marina St. and Peace Road, travels east on Peace Road and south on Emily Park Road toStewarts Line where it will end. An additional reinforcement pipeline is required on Highway 35 between Bethany Hills Road and Mt Horeb Rd, with an alternate route along Mt Horeb Road and St. Marys Road, ending at Bethany Hills Road.

The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential forTemporary Working Space (TWS).

For further details, please refer to the attached map.

As part of the planning process, Enbridge Gas has retained Stantec Consulting Ltd. (Stantec) to undertakean Environmental Study for the Project. The Environmental Study will fulfill the requirements of the OntarioEnergy Board's (OEB) "*Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)*".

An Environmental Report, summarizing the results of the Environmental Study, will accompany Enbridge Gas' application to the OEB as part of their Leave to Construct application. It is anticipated that the Environmental Report for the study will be completed in Winter 2021. The OEB's review and approval is required before the proposed Project can proceed. If approved, construction is currently anticipated to beginin early 2023.

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Stantec is presently compiling an environmental, socio-economic, and archaeological/cultural heritage inventory of the Study Area. As an Indigenous community with a potential interest in the Study Area, we areinviting Alderville First Nation to provide comments and feedback regarding the proposed Project.

Specifically, we are seeking information about areas that may be culturally significant to your community inthe study area and information about potential effects that the Project may have on asserted or establishedAboriginal and treaty rights, and any measures for mitigating those adverse impacts.

Line-item attachment 3.1

Sent: Thursday, September 16, 2021 2:17 PM
To: donna.bigcanoe@georginaisland.com
Cc: sylvia.mccue@georginaisland.com; Matthew Chegahno
Subject: Virtual Open House- Bobcaygeon Community Expansion Project

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Good Afternoon Chief Big Canoe,

I hope this email finds you well as we all start returning from summer vacations and gear up for a busy Fall.

I'm writing to you today to notify you that the Virtual Open House (VOH) for Enbridge Gas' Bobcaygeon Community Expansion Project is now live and underway. Please welcome staff or community members to click here to access the VOH - I think you'll find that it has lots of rich information, including a project map, project overview, the process behind the environmental study, as well as a section on next steps. I'd like to kindly invite you, and anyone else in your community that may be interested, to have a look around the website to learn more about the Project.

If you have any questions or feedback on the project, or just want to speak with me directly about it, please do not hesitate to contact me and I will be sure to schedule some time for us.

Respectfully,

Melanie

Melanie Book
Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Strategiste,
Engagement communautaire et autochtone, Ontario, Quebec et Maritimes

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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com400
Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

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Line-item attachment 3.3

From: Matthew Chegahno <matthew.chegahno@enbridge.com>
Sent: Friday, October 22, 202111:55 AM
To: donna.bigcanoe@georginaisland.com; sylvia.mccue@georginaisland.com
Cc: Melanie Book

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon Chief Big Canoe

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:
Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

Stage 1:

Enbridge had a Stage 1 AA completed for a portion of the proposed project in 2006 (report attached), which has been accepted into the MHSTCI's archaeological register and confirmed by Stantec with the MHSTCI that the report could be grandfathered in for Phase One of this proposed project. As always, should your community have any additional insight into this area, we always appreciate the opportunity to proactively incorporate shared knowledge, in future reports.

An additional Stage 1 **AA** is being conducted for the Reinforcement section (Phase 2) of the pipeline as well as an additional buffer zone outside of the municipal right-of-way for the Supply Lateral to account for potential Temporary Working Space. Any supplementary draft Stage 1 Reports, for other phases of the proposed project, will be shared with your community for review, once prepared.

Stage 2:

Based on the results of the 2006 Stage 1 AA desktop review, a Stage 2 AA will be required along specific areas of the preferred pipeline route. Please note that this Stage 2 AA is related specifically to Phase One of the proposed project (see map attached), the Stage Two field work is planned for the following dates.

Proposed start date: November 16, 2021

Proposed end date: November 18, 2021

Please take time to review this information and advise if your community is interested in participating in this monitoring work. I would also kindly ask you to indicate whether you would like to be included in-person or virtually.

If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.

Thanks in advance and have a great weekend,

Matthew

Line-item attachment 3.5

From: Matthew Chegahno <matthew.chegahno@enbridge.com>
Sent: Friday, December 3, 2021 4:25 PM
To: donna.bigcanoe@georginaisland.com; sylvia.mccue@georginaisland.com
Cc: Melanie Book

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good evening Chief Big Canoe,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite the Chippewas of Georgina Island First Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

In the link below please find a copy of the draft ER for the Project.

www.enbridgegas.com/bobcaygeonproject

I would kindly ask that the community returns to me any comments or feedback on the draft ER for the Project ***by no later than January 17, 2022.***

Please be reminded that your community's review and comments are valued and will be used to help shape the approach for this project. If you have any issues with the link or questions about the report, please do not hesitate to contact me and I will work to have your inquiry resolved.

Chi-miigwetch in advance for your time and attention on this matter.

Matt

Matthew Chegahno
Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com
603 Kumpf Drive, Waterloo ON, N2J 4A4

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Line-item attachment 3.10

From:	Melanie Green
To:	donna.bigcanoe@georginaisland.com; jl.porte@georginaisland.com; sylvia.mccue@georginaisland.com
Cc:	Lauryn Graham
Subject:	Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment
Date:	Wednesday, May 11, 2022 3:37:09 PM
Attachments:	mem_60951282_ELC_Memo_20220510_fnl.pdf

Good afternoon,

Please see attached ELC memo for your review related to the Bobcaygeon Community Expansion Project.

We are asking for comment and feedback on or before **June 8, 2022.** If you force requiring more time, please let me now.

As always, your feedback is appreciated and Enbridge acknowledges that capacity support may be required in order engage in timely reviews of the documents, participation in archaeological work associated with proposed projects, and to engage in meaningful consultation. We are prepared to provide capacity funding to support this work.

Thank you in advance,

Have a great rest of your day!

Mel

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

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ENBRIDGE INC.
TEL: 613.747.4039 | Cell: 613.297.4365
400 Coventry Rd, Ottawa, ON K1K2C7

Stantec

Memo

To:	Sarah Kingdon-Benson Enbridge Gas Inc.	From:	Brian Miller Stantec Consulting Ltd.
File:	160951282	Date:	May 10, 2022

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

This memo has been prepared to provide a summary of the vegetation community and habitat assessment field investigations conducted along Phase 1 of the proposed Bobcaygeon Community Expansion Project, a natural gas pipeline route to serve the community of Bobcaygeon, Ontario. Survey details are listed below in Table 1. The routes have been developed for purposes of an assessment of potential environmental and socioeconomic impacts and do not represent the final project scope and design that will provide access to natural gas to end-use customers.

Table 1 Survey Details and Summary

Survey Date	Surveyor(s)	Type of Survey
October 7, 2021	B. Miller	Roadside ELC and wildlife habitat assessment
October 8, 2021	B. Miller	Roadside ELC and wildlife habitat assessment

The purpose of these surveys was to identify natural and anthropogenic vegetation and wildlife habitat features to support a general assessment of their significance. The work included:

1. Roadside assessment of Ecological Land Classification (ELC) of vegetation communities.
2. Identification of wildlife habitat features including hibernacula, bat roosts, stick nests, seeps, and vernal pools
3. Complete a habitat assessment for Species at Risk (SAR) that may occur within the Study Area.

Identification and mapping of vegetation communities follows the protocols of the ELC field guide for Southern Ontario (Lee et al., 1998). Updates to vegetation community names and codes follow the 2008 catalogue of ELC vegetation communities. ELC mapping was completed to the finest level of resolution (Vegetation Type) where possible. Vegetation communities were first identified on aerial imagery and then confirmed in the field. Provincial significance of vegetation communities was based on the rankings assigned by the Natural Heritage Information Centre (NHIC 2021).

VEGETATION COMMUNITIES

ELC mapping of the linear Study Area along Centreline Road and Pigeon Lake Road is shown on Figures 1-1 to 1-10 (attached).

The Study Area is situated in a mostly rural or semi-rural setting with a mixture of natural vegetation communities, agricultural fields, and rural properties, and a small community at the north end of the Study Area next to Pigeon Lake. Thicket and woodland communities have a variable composition, but forests are generally dominated by eastern white cedar and trembling aspen or sugar maple and other hardwoods. Swamp communities are generally dominated by Freeman's (swamp) maple and/or trembling aspen. Marsh communities in the Study Area along the edge of Pigeon Lake are generally dominated by cattails. Standing water is common in many of these marsh communities.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

The vegetation community types are briefly described in Table 2 (below).

None of the vegetation communities listed below are considered rare in the province.

Table 2 Ecological Land Classification (ELC) Vegetation Types

ELC Code	ELC Community Name	Area (sq. m)
MEADOW COMMUNITIES		
MEMM3	Dry - Fresh Mixed Meadow	59172.4
MEMM3 / OAGM4	Dry - Fresh Mixed Meadow / Open Pasture	2280.4
MEMM3 / THDM2	Dry - Fresh Mixed Meadow / Dry - Fresh Deciduous Shrub Thicket	12946.8
MEMM3 / THDM4	Dry - Fresh Mixed Meadow / Dry - Fresh Deciduous Regeneration Thicket	18343.7
MEMM3 / THMM1	Dry - Fresh Mixed Meadow / Dry - Fresh Mixed Regeneration Thicket	6402.4
MEMM4 / THDM2-6	Fresh - Moist Mixed Meadow / Buckthorn Deciduous Shrub Thicket	939.2
THICKET COMMUNITIES		
THCM1	Dry - Fresh Coniferous Regeneration Thicket	5772.6
THCM2-1	Fresh - Moist White Cedar Coniferous Thicket	9100.5
THDM2-6	Buckthorn Deciduous Shrub Thicket	13433.9
THDM3	Dry - Fresh Deciduous Hedgerow Thicket	4134.7
THDM3-1	Buckthorn Deciduous Hedgerow Thicket	2923.8
THDM4	Dry - Fresh Deciduous Regeneration Thicket	3521.7
THDM4-1 / THDM2-6	Native Deciduous Regeneration Thicket / Buckthorn Deciduous Shrub Thicket	15387.3
THDM5	Fresh - Moist Deciduous Thicket	3133.5
THMM1	Dry - Fresh Mixed Regeneration Thicket	54818.7
THMM1 / MEMM3	Dry - Fresh Mixed Regeneration Thicket / Dry - Fresh Mixed Meadow	10376.1
THMM1 / MEMM4	Dry - Fresh Mixed Regeneration Thicket / Fresh - Moist Mixed Meadow	14360.9
THMM2 / SWT	Fresh - Moist Mixed Thicket / Thicket Swamp	15547.8
WOODLAND COMMUNITIES		
WODM4	Dry - Fresh Deciduous Woodland	7031.7
WODM5	Fresh - Moist Deciduous Woodland	2926.3
WODM5-1	Fresh - Moist Poplar Deciduous Woodland	886.8
PLANTATION COMMUNITIES		
TAGM1	Coniferous Plantation	14159.3

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

Table 2 Ecological Land Classification (ELC) Vegetation Types

ELC Code	ELC Community Name	Area (sq. m)
FOREST COMMUNITIES		
FODM5-10	Dry – Fresh Sugar Maple – White Birch – Poplar Deciduous Forest	5554.3
FODM5-11	Dry – Fresh Sugar Maple – Hardwood Deciduous Forest	1824.2
FODM5-3	Dry – Fresh Sugar Maple – Oak Deciduous Forest	3543.2
FODM5-8	Dry – Fresh Sugar Maple – White Ash Deciduous Forest	3311.5
FODM8-1	Fresh – Moist Poplar Deciduous Forest	8139.6
FOMM4	Dry – Fresh White Cedar Mixed Forest	4644.6
FOMM4-2	Dry – Fresh White Cedar – Poplar Mixed Forest	54834.6
FOMM5	Dry – Fresh White Birch – Poplar – Conifer Mixed Forest	3476.4
FOMM8-1	Fresh – Moist Poplar Mixed Forest	4481.8
FOMM8-1 / FOMM10-2	Fresh – Moist Poplar Mixed Forest / Fresh - Moist White Spruce - Hardwood Mixed Forest	4048.5
WETLAND - MARSH COMMUNITIES		
MAMM1-12 / MAMM1-2	Common Reed Graminoid Mineral Meadow Marsh / Cattail Graminoid Mineral Meadow Marsh	2796.2
MAMM3 / FODM8-1	Mixed Mineral Meadow Marsh / Fresh – Moist Poplar Deciduous Forest	1643.7
MAMO1-2 / SWTO5	Cattail Graminoid Organic Meadow Marsh / Organic Deciduous Thicket Swamp	6890.6
MASO1-1	Cattail Organic Shallow Marsh	40646.9
WETLAND - AQUATIC COMMUNITIES		
SAF_1	Floating-leaved Shallow Aquatic	6234.4
WETLAND - SWAMP COMMUNITIES		
SWDM3-3 / SWDM4-5	Swamp Maple Mineral Deciduous Swamp / Poplar Mineral Deciduous Swamp	7342.0
SWDM4-5	Poplar Mineral Deciduous Swamp	4183.7
SWDM4-5 / MAMO1-2	Poplar Mineral Deciduous Swamp / Cattail Graminoid Organic Meadow Marsh	9888.5
SWDO2-3	Swamp Maple Organic Deciduous Swamp	15499.8
SWTM3	Willow Mineral Deciduous Thicket Swamp	4580.0
SWTO2	Willow Organic Deciduous Thicket Swamp	2198.5
SWTO2 / MASO1-1	Willow Organic Deciduous Thicket Swamp / Cattail Organic Shallow Marsh	24764.9
SWTO5	Organic Deciduous Thicket Swamp	1148.1
SWTO5 / MASO1-1	Organic Deciduous Thicket Swamp / Cattail Organic Shallow Marsh	5956.9

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

Table 2 Ecological Land Classification (ELC) Vegetation Types

ELC Code	ELC Community Name	Area (sq. m)
	OTHER COMMUNITIES	
CGL	Green Lands	938.7
CVC_1	Business Sector	8137.6
CVC_4	Extraction	12916.0
CVI	Transportation and Utilities	6698.5
CVI_1	Transportation	1464.7
CVR_3	Single Family Residential	253520.0
CVR_4	Rural Property	173435.3
CVR_4 / CVR_3	Rural Property / Single Family Residential	74035.6
CVR_4 / TAGM1	Rural Property / Coniferous Plantation	1378.6
CVR_4 / THCM1	Rural Property / Dry - Fresh Coniferous Regeneration Thicket	17543.2
CVR_4 / THMM2	Rural Property / Fresh - Moist Mixed Thicket	5659.9
CVS_2	Health	4624.0
OAG	Open Agriculture	91824.5
OAGM1	Annual Row Crops	219502.9
OAGM2	Perennial Cover Crops	140198.7
OAGM4	Open Pasture	73221.7

FLORA

No plant species at risk were documented that may have been identifiable during the time of year the survey was conducted (e.g., Butternut, Black Ash). A subsequent survey for Eastern Prairie Fringed Orchid, which could occur within roadside ditches and in the proposed work area, will occur in summer 2022.

WILDLIFE HABITAT ASSESSMENT

No seeps, springs, reptile hibernacula, stick nests or vernal pools were observed during the roadside surveys conducted in 2021.

Woodland habitat such as forest (FOD), Woodland (WOD) or Swamp (SWD) is present in many areas adjacent the Study Area. These wooded features likely contain standing snags which may provide potential bat maternity roosting habitat for bat species at risk (SAR; species protected under the *Endangered Species Act*). However, these features were not observed immediately adjacent the road edge. Forests (FO) and woodlands (WO) that are deciduous, coniferous, or mixed in composition may provide suitable habitat for several bird species, including the Eastern Whip-poor-will, a SAR. Mature forests that are deciduous in composition (FOD) and large open deciduous woodlands (WOD) may also provide suitable habitat for many bird species including the Cerulean Warbler, a SAR. Woodland habitat is shown on Figures 1-1 to 1-7 and 1-9 in the attached mapbook.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

Shallow marsh (MAS) and shallow water (SAF) communities along the edge of Pigeon Lake and at the very south end of the Study Area are suitable and potential habitat for turtles, including another SAR, Blanding's Turtle. Large, shallow marsh communities dominated by cattails (MASO1-1) could also provide suitable habitat for a marsh bird SAR, Least Bittern. Aquatic habitats are shown on Figures 1-1, 1-3, 1-6, 1-8 and 1-9 in the attached mapbook.

Grassland habitat was documented in hayfields (OAGM2), open pastures (OAGM4), meadows (MEMM), and thickets (THC, THD or THM). These communities could potentially support breeding Bobolink and Eastern Meadowlark, two species of grassland SAR birds. Barn Swallow, a SAR that breeds and forages in agricultural habitats is also likely to be found in OAG communities. Agricultural, meadow and thicket communities are shown on Figures 1-1 to 1-10 in the attached mapbook.

Chimney Swift is a SAR that requires artificial structures to breed (i.e., chimneys) and may be found in residential (CVR) communities. Residential communities are shown on Figures 1-1 to 1-10 in the attached mapbook.

For additional details on wildlife and wildlife habitat, including SAR and other important species, please refer to *Bobcaygeon Community Expansion Project: Environmental Report (*Stantec 2021).

SAR MITIGATION

The following mitigation measures are proposed and under consultation with the Ministry of the Environment, Conservation and Parks, the administering body of the *Endangered Species Act*. Therefore, the permitting and mitigation measures recommended below may be subject to change.

BAT SAR

A potential adverse effect to bat SAR within the Study Area is a loss of roosting habitat. However, as construction will be restricted to the road Right-of-Way, tree clearing and/or pruning will be limited and not expected to affect the availability of roosts in the local landscape.

To avoid direct impacts to SAR bats, tree clearing/pruning will occur outside the active window (April 1 - September 30). In the event limited tree clearing/pruning is required during the active season, an assessment will be completed to identify candidate roost trees and exit surveys will be completed to assess use of the roost tree. If roost trees are confirmed, Enbridge Gas will consult with MECP to discuss avoidance and/or ESA authorization requirements.

EASTERN WHIP-POOR-WILL

Work is restricted to the Right-of-Way where Eastern Whip-poor-will are unlikely to be present. Further, the disturbance will be temporary and open habitats in the Right-of-way will be restored to their original state following construction.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

CERULEAN WARBLER

Cerulean Warbler generally selects breeding territories away from "hard" forest edges and prefers to nest closer to the interior of forested communities (ECCC 2020). As work is restricted to the Right-of-Way which does not intersect interior forest communities and TWS's that are outside forested communities, impacts to this species are not anticipated. If limited tree clearing is required, it will be completed outside the breeding season (April 1 to August 31) or, if necessary, breeding bird sweeps will take place prior to any vegetation removal.

LEAST BITTERN

Work is restricted to the Right-of-Way where Least Bittern are unlikely to be present. Impacts to Least Bittern habitat are not anticipated. This species requires large wetlands (typically wetlands greater than 5 hectares) dominated by cattails for breeding, and construction will be restricted to the edges of wetlands where the species is unlikely to be present (COSEWIC 2009).

Additionally, HDD (horizontal directional drilling) may be utilized at wetland crossings encroaching onto the Right-of-Way. HDD is a construction technique used to avoid impacts to sensitive habitats, including wetlands where Least Bittern may be present. Specific protective measures pertaining to the use of HDD in wetlands encroaching onto the Right-of-Way can be found in Table 5.1 Section 3.3.3 of the *Bobcaygeon Community Expansion Project: Environmental Report* (Stantec 2021).

BLANDING'S TURTLE

Blanding's Turtle may be present in watercourses and wetlands within the Right-of-Way. Exclusionary fencing will be installed during construction at areas identified as potential Blanding's Turtle habitat (wetlands, watercourses). BMPs from OMNRF's (2016) *Best Management Practices for Mitigating the Effects of Roads on Amphibians and Reptile Species at Risk in Ontario* will be considered when installing exclusionary fencing and an Environmental Monitor will look for signs of turtles (nesting or adults) during construction activities in work areas.

Exclusion fencing (e.g., silt fence) should be erected on both sides of the road prior to activities occurring during the active season (e.g., April 1 – September 30) in areas identified as having turtles (250 m for Blanding's turtle) or as being high potential, such as stream/river crossings, lake shores, ponds, wetlands, dips or valleys between rock outcrops, wetted ditches connected to natural water features.

Exclusion fencing should be installed prior to the sensitive nesting season (May 1 and June 30) if activities are anticipated to occur throughout this period to prevent turtles from entering and/or nesting; or pre-screening can be completed to avoid nests if work must begin during nesting season. No heavy machinery should be permitted on the shoulder of the road past the exclusion fencing to prevent compaction and prevent destruction of nests and habitat. Where possible, restrict construction activities within 30 m of a nesting site.

Impacts to upland habitat (i.e., within 250m of wetlands) will be restricted to the road Right-of-Way. Such roadside habitat is expected to be of low quality for Blanding's Turtle and is likely acting as an ecological sink. Temporary disturbance to the roadside habitat is not anticipated to affect Blanding's Turtles.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

Additionally, HDD (horizontal directional drilling) may be utilized at wetland crossings encroaching onto the Right-of-Way. HDD is a construction technique used to avoid impacts to sensitive habitats, including wetlands where Blanding's Turtle may be present. Specific protective measures pertaining to the use of HDD in wetlands encroaching onto the Right-of-Way can be found in Table 5.1 Section 3.3.3 of the *Bobcaygeon Community Expansion Project: Environmental Report* (Stantec 2021).

BOBOLINK AND EASTERN MEADOWLARK

Bobolink and Eastern Meadowlark are expected to potentially occur within meadows, pastures, and hayfields that may overlap with the Project location. Avoidance of work within these areas between May 1 and August 31 are recommended to avoid impacts to these species. Clearing is to be completed during the bird nesting season, and nest sweeps should be completed no later than seven days prior to clearing activities. Work is generally restricted to the Right-of-Way and as such, no impacts to Bobolink or Eastern Meadowlark are anticipated. TWS's also do not include suitable habitat and as such, no impacts to Bobolink or Eastern Meadowlark are anticipated in these areas.

CHIMNEY SWIFT

Impacts to suitable Chimney Swift nest structures (e.g., buildings with suitable chimneys) are not anticipated. In the unlikely event impacts to a nesting structure is unavoidable, Enbridge Gas will consult with MECP to obtain ESA authorization.

BARN SWALLOW

Suitable nesting structures (i.e., buildings, box culverts, bridges) will be identified in the spring and summer of 2022 and an assessment will be made to determine if any direct impacts to the structure will be made during construction. Generally, culvert and watercourse crossings will be completed using HDD (horizontal directional drill) and as such, impacts are not anticipated at these locations.

In the event a structure will be directly impacted, the Project will consider obtaining an ESA authorization through O. Reg. 830/21, including removal of the structure outside the breeding bird window (April 1 – August 31) and provision of a new structure. Impacts to foraging habitat (e.g., agricultural communities) are not anticipated, as work is restricted to the Right-of-Way.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

EASTERN PRAIRIE FRINGED ORCHID

A subsequent survey for Eastern Prairie Fringed Orchid, which could occur within roadside ditches and in the proposed work area, will occur in summer 2022. If present, Enbridge Gas will further consult with MECP on avoidance measures and/or ESA authorization requirements.

Stantec Consulting Ltd.

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Date: 2022.05.10 15:14:44 -04'00'

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Attachment: Figures 1-1 to 1-10 (ELC Mapbook)

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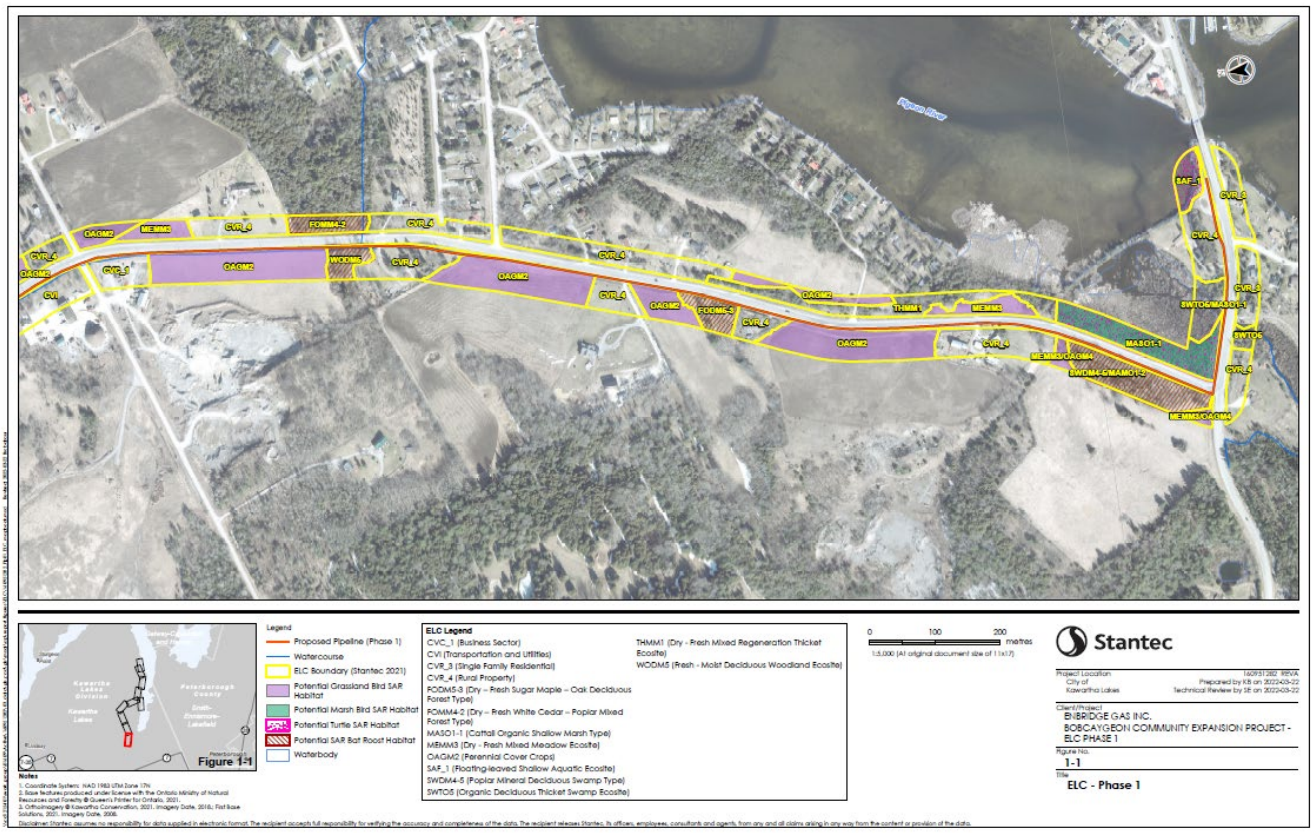
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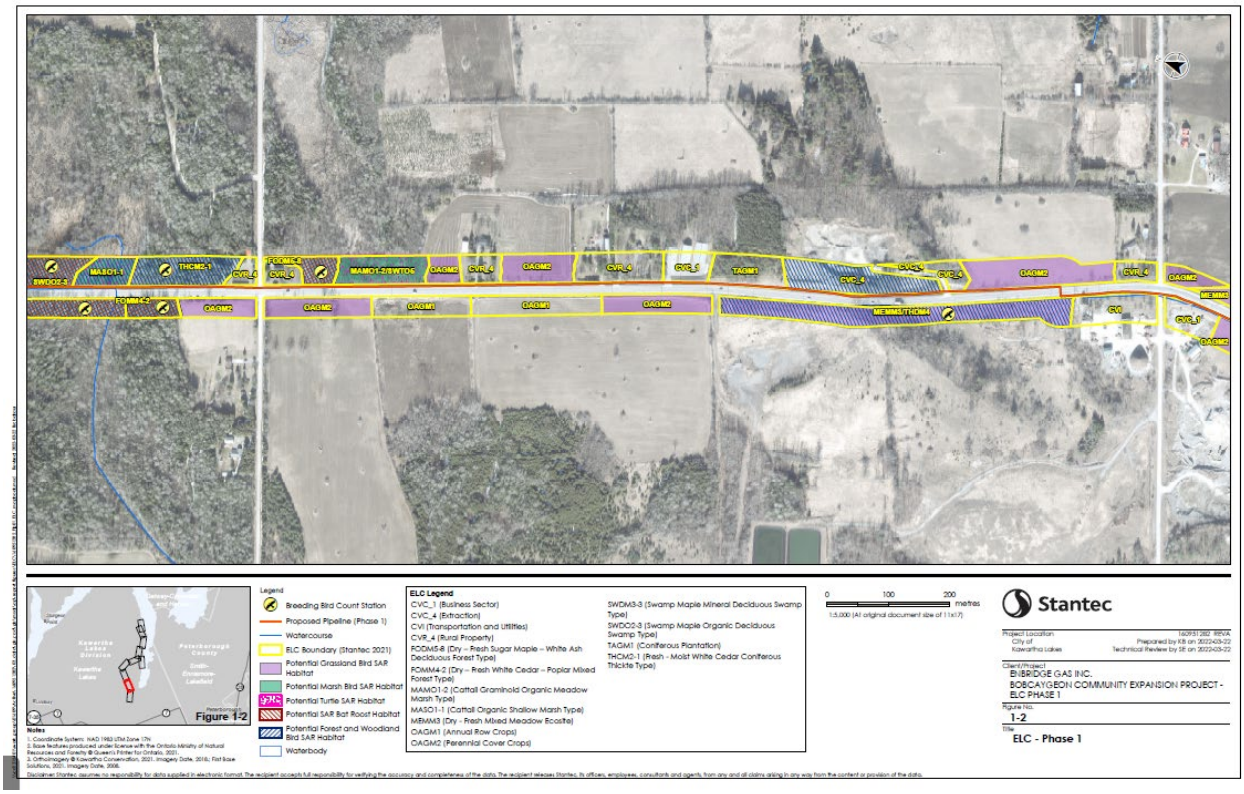
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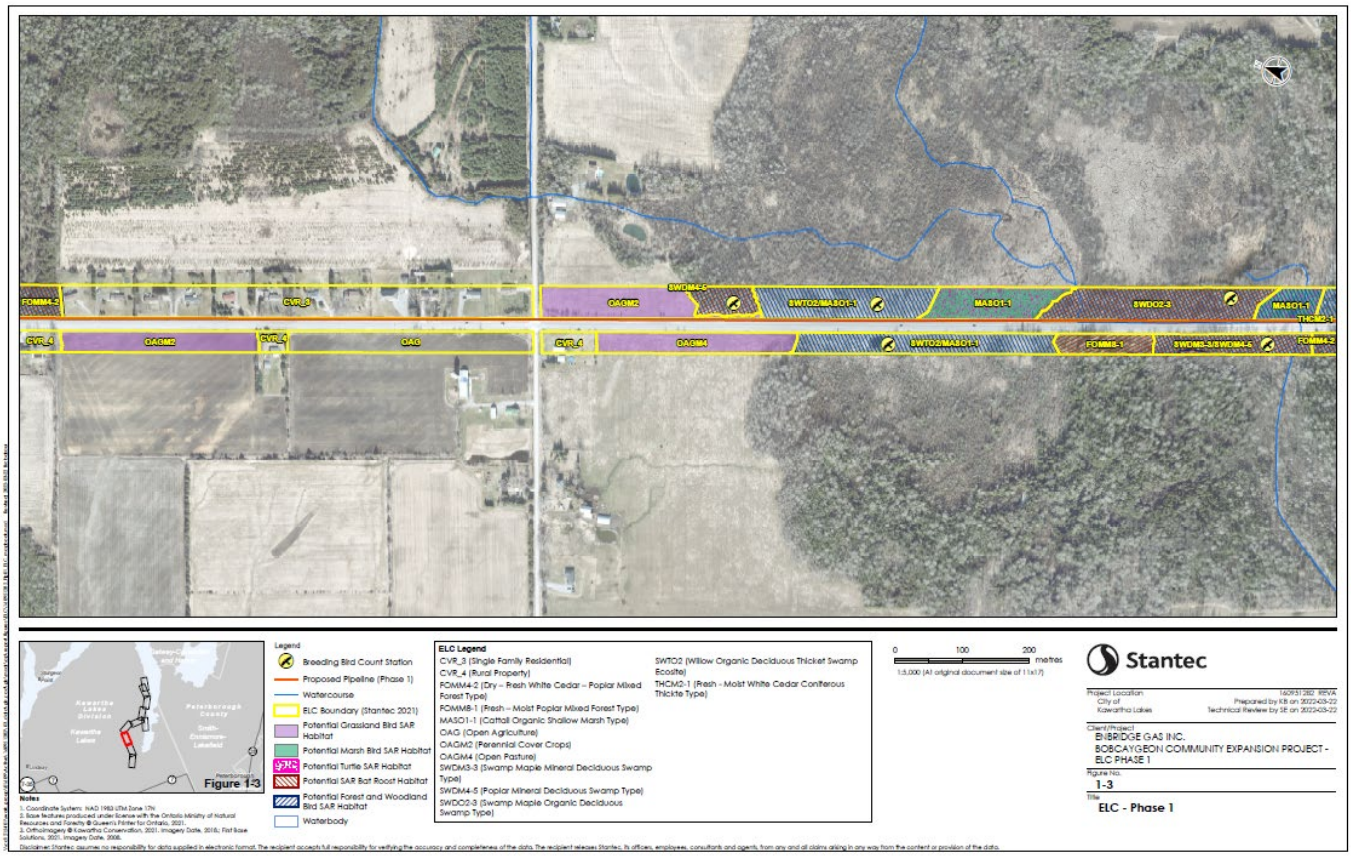
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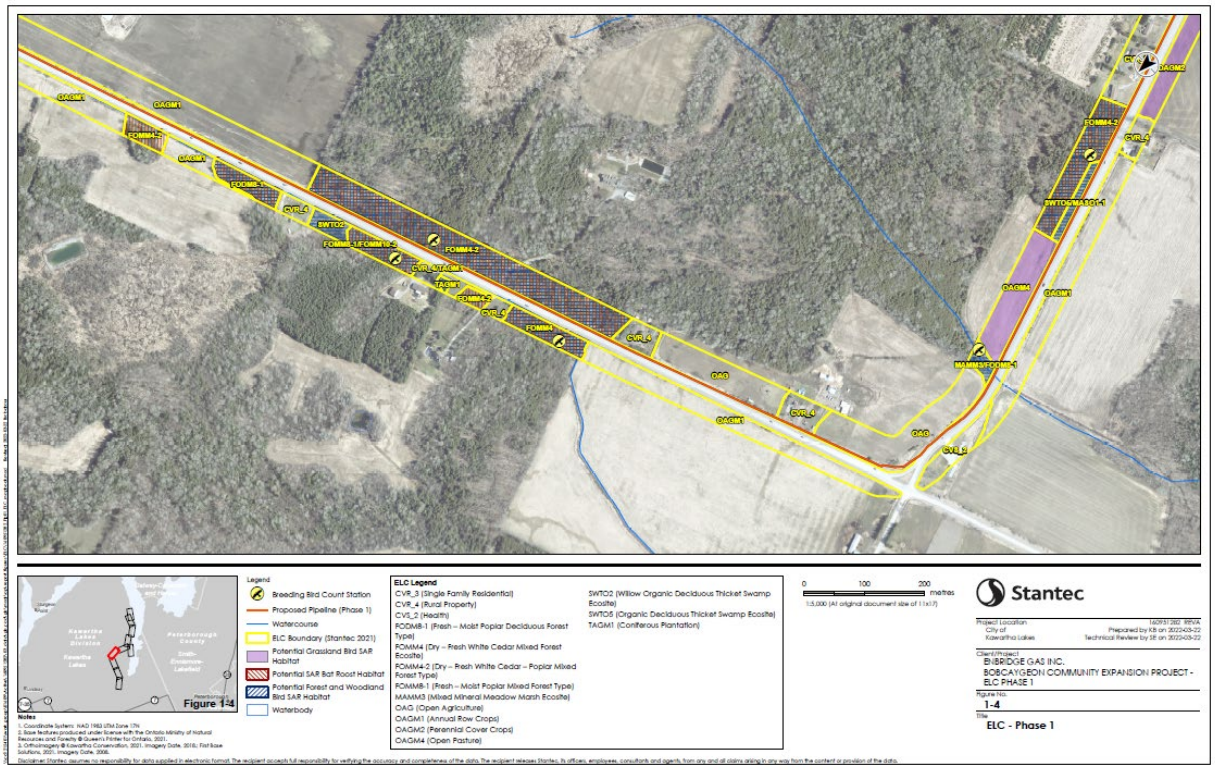
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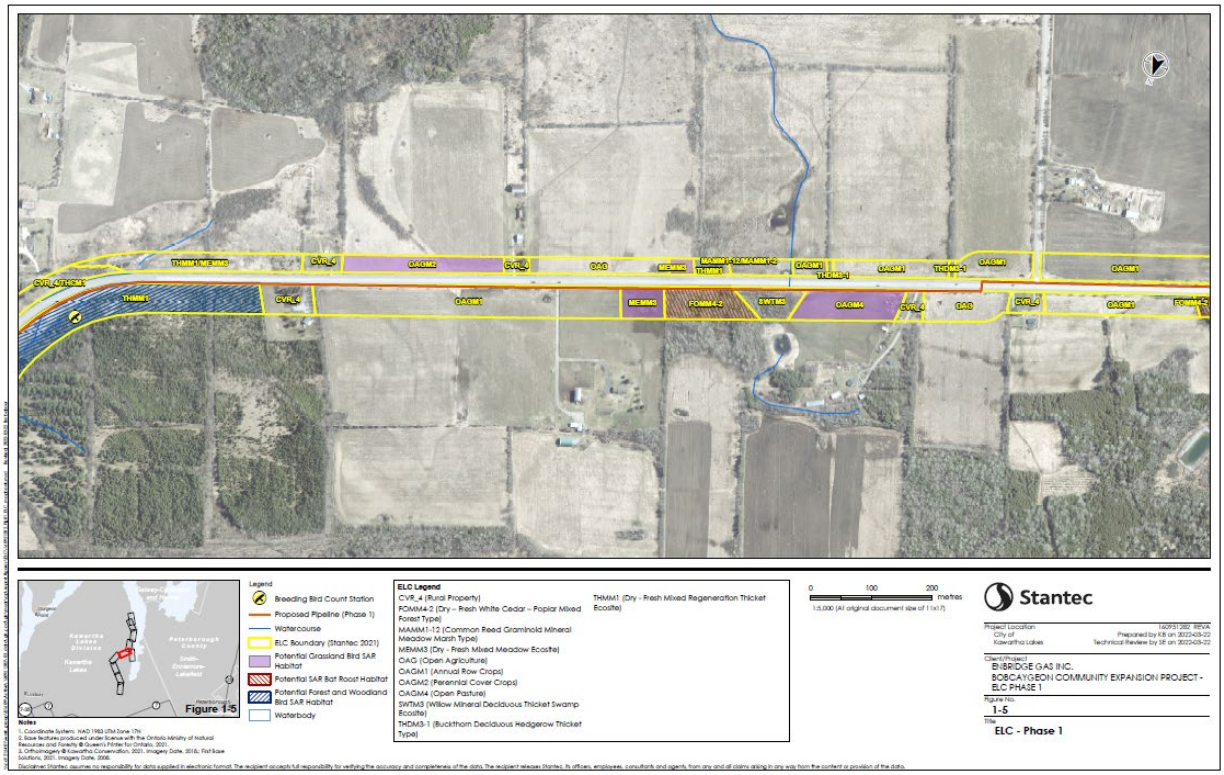
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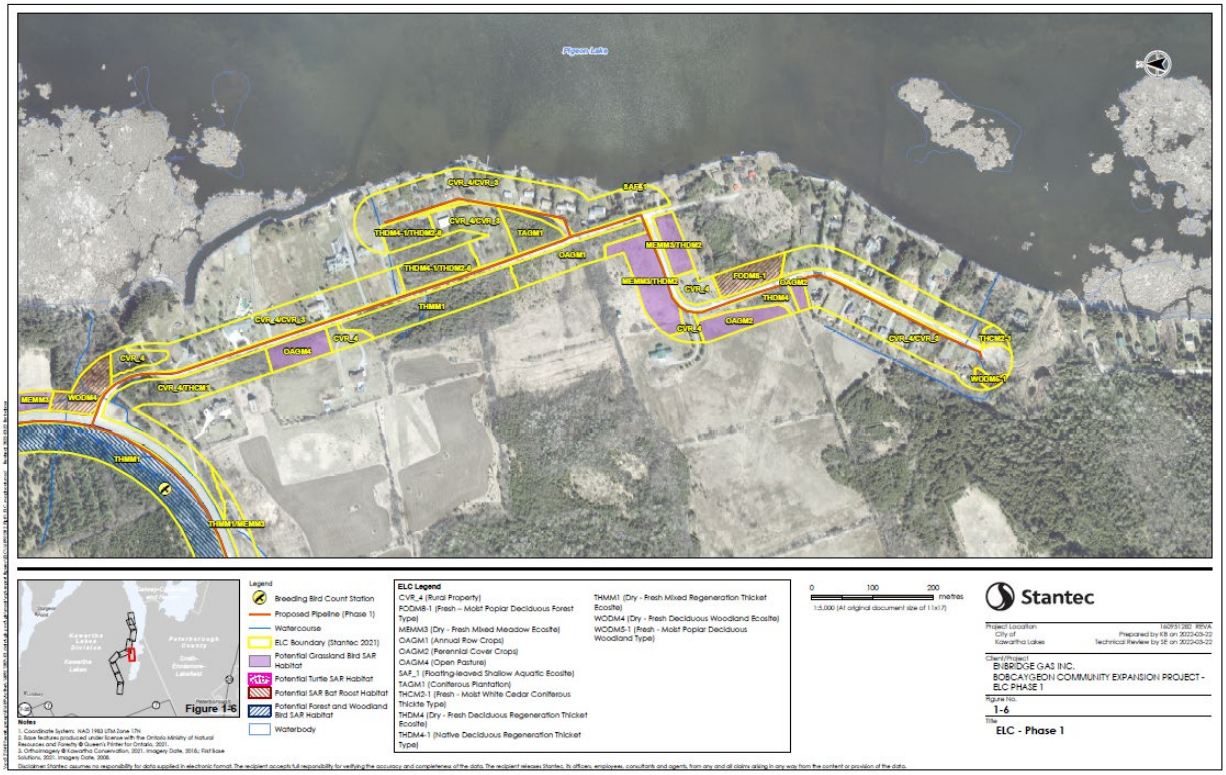

Figure 1-1
Legend
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Waterbody
ELC Legend
CVC_1 (Business Sector)
CVI (Transportation and Utilities)
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
FODM5-3 (Dry – Fresh Sugar Maple – Oak Deciduous Forest Type)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
MAS01-1 (Cattail Organic Shallow Marsh Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAGM2 (Perennial Cover Crops)
SAF_1 (Floating-leaved Shallow Aquatic Ecosite)
SWDM4-5 (Poplar Mineral Deciduous Swamp Type)
SWTO6 (Organic Deciduous Thicket Swamp Ecosite)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
WODM5 (Fresh - Moist Deciduous Woodland Ecosite)
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Project Location
City of Kawartha Lakes
Client/Project
BMBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-1
Title
ELC - Phase 1
Notes

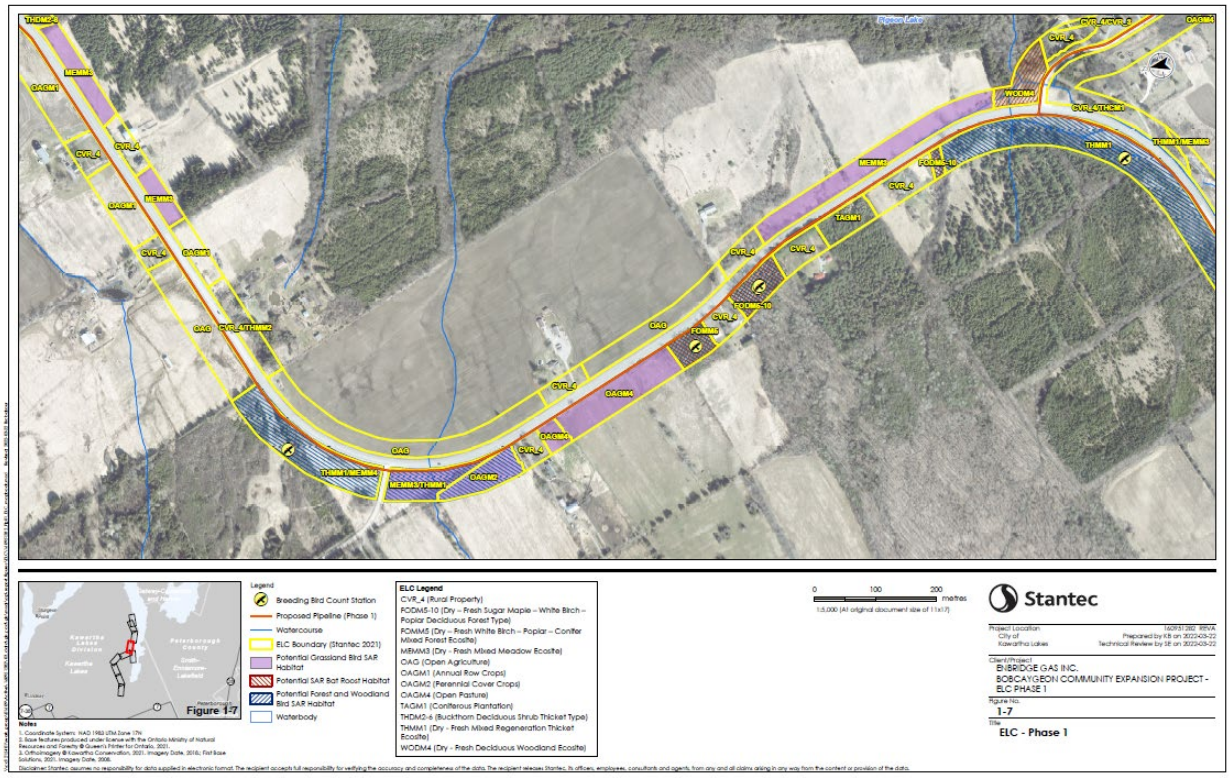

BWDO2-3
MASO1-1
THCM2-1
CVR_4
FODM5-6
MAMO1-2/BWTO5
OAGM2
CVR_5
TAGM1
CVC_1
MEMM3/THDM4
CVI
Figure 1-2
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVC_1 (Business Sector)
CVC_4 (Extraction)
CVI (Transportation and Utilities)
CVR_4 (Rural Property)
FODM5-8 (Dry – Fresh Sugar Maple – White Ash Deciduous Forest Type)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
MAMO1-2 (Cattail Graminoid Organic Meadow Marsh Type)
MASO1-1 (Cattail Organic Shallow Marsh Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
SWDM3-3 (Swamp Maple Mineral Deciduous Swamp Type)
SWDO2-3 (Swamp Maple Organic Deciduous Swamp Type)
TAGM1 (Coniferous Plantation)
THCM2-1 (Fresh - Moist White Cedar Coniferous Thicksite Type)
0
100
200
metres
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Project Location
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-2
Title
ELC - Phase 1
Notes
1. Coordinate System: NAD 1983 UTM Zone 17N
2. Base features produced under licence with the Ontario Ministry of Natural Resources and Forestry © Queen's Printer for Ontario, 2021.
3. Orthoimagery © Kawartha Conservation, 2021. Imagery Date: 2016; First Base Solutions, 2021. Imagery Date: 2020.
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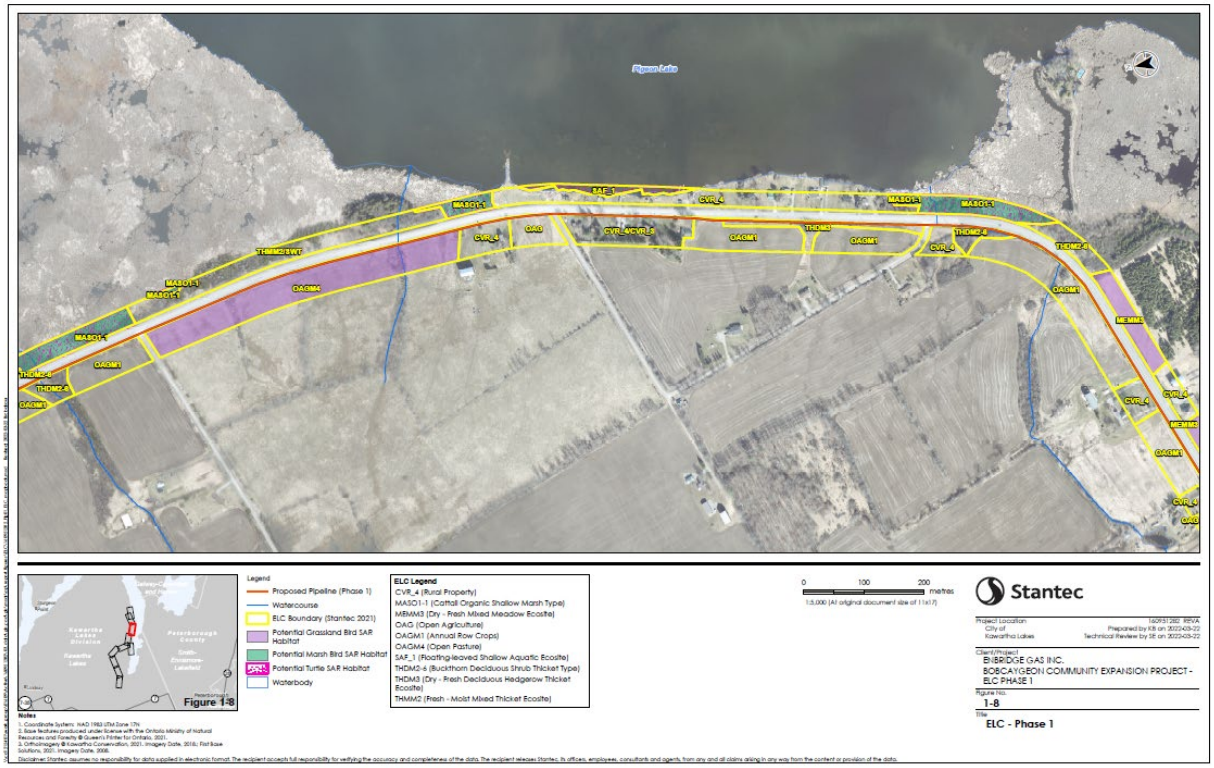

FOMM4-2
CVR_3
OAGM2
SWDM4-5
SWTO2/MAS01-1
MAS01-1
SWDO2-3
MAS01-1
THCM2-1
CVR_4
OAGM2
CVR_4
OAG
CVR_4
OAGM4
SWTO2/MAS01-1
FOMM8-1
SWDM3-3/SWDM4-5
FOMM4-2
Figure 1-3
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
FOMM8-1 (Fresh – Moist Poplar Mixed Forest Type)
MAS01-1 (Cattail Organic Shallow Marsh Type)
OAG (Open Agriculture)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
SWDM3-3 (Swamp Maple Mineral Deciduous Swamp Type)
SWDM4-5 (Poplar Mineral Deciduous Swamp Type)
SWDO2-3 (Swamp Maple Organic Deciduous Swamp Type)
SWTO2 (Willow Organic Deciduous Thicket Swamp Ecosite)
THCM2-1 (Fresh - Moist White Cedar Coniferous Thickte Type)
0
100
200
metres
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Stantec
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City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
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BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-3
Title
ELC - Phase 1

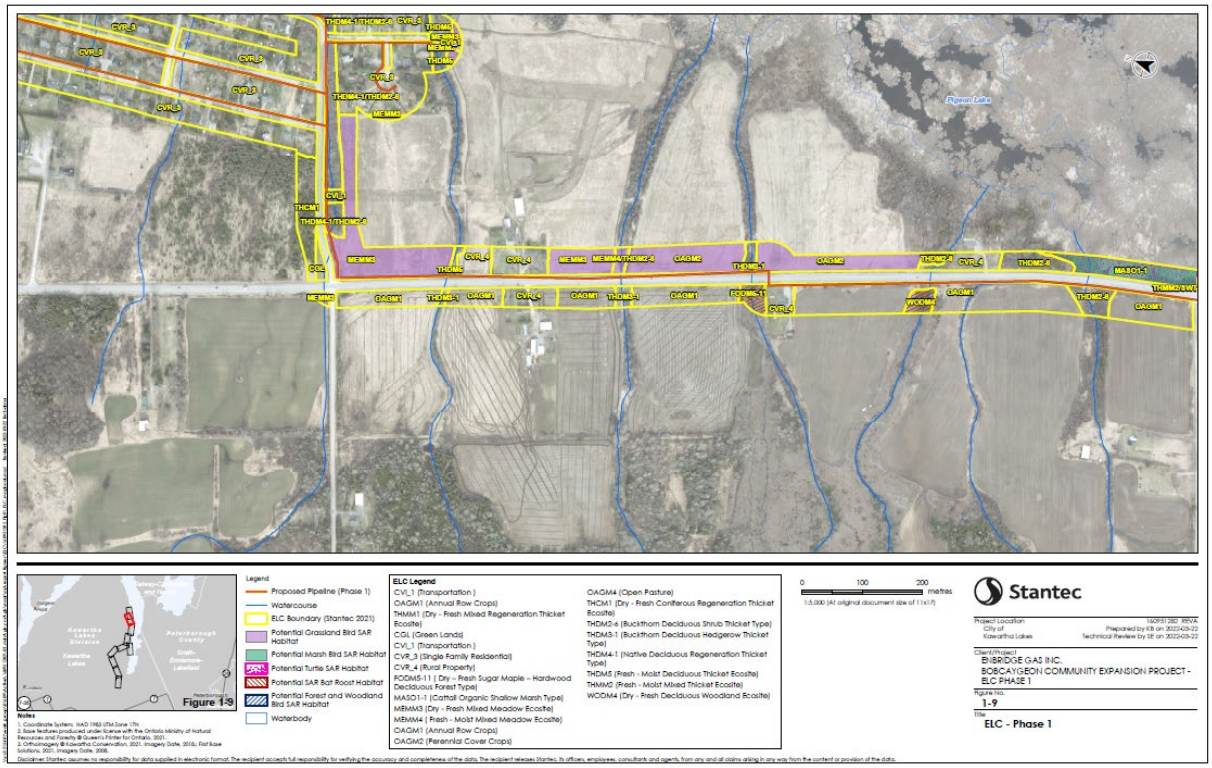

CVR_4
OAGM2
FOMM4-2
CVR_4
SWTO5
MAMM3
FOMM4-2
OAGM1
OAGM4
OAGM1
FOMM4-2
CVR_4
OAGM1
FOMM4-2
CVR_4
FOMM4-2
CVR_4
SWTO2
FOMM8-1
FOMM8-1
FOMM4-2
CVR_4
OAGM1
FOMM4-2
CVR_4
FOMM4-2
CVR_4
OAGM1
FOMM4-2
OAGM1
OAG
CVR_4
OAG
CVR_4
Figure 1-4
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
CVS_2 (Health)
FODM8-1 (Fresh – Moist Poplar Deciduous Forest Type)
FOMM4 (Dry – Fresh White Cedar Mixed Forest Ecosite)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
FOMM8-1 (Fresh – Moist Poplar Mixed Forest Type)
MAMM3 (Mixed Mineral Meadow Marsh Ecosite)
OAG (Open Agriculture)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
SWTO2 (Willow Organic Deciduous Thicket Swamp Ecosite)
SWTO5 (Organic Deciduous Thicket Swamp Ecosite)
TAGM1 (Coniferous Plantation)
0
100
200
metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location:
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project:
BISBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No:
1-4
Title:
ELC - Phase 1

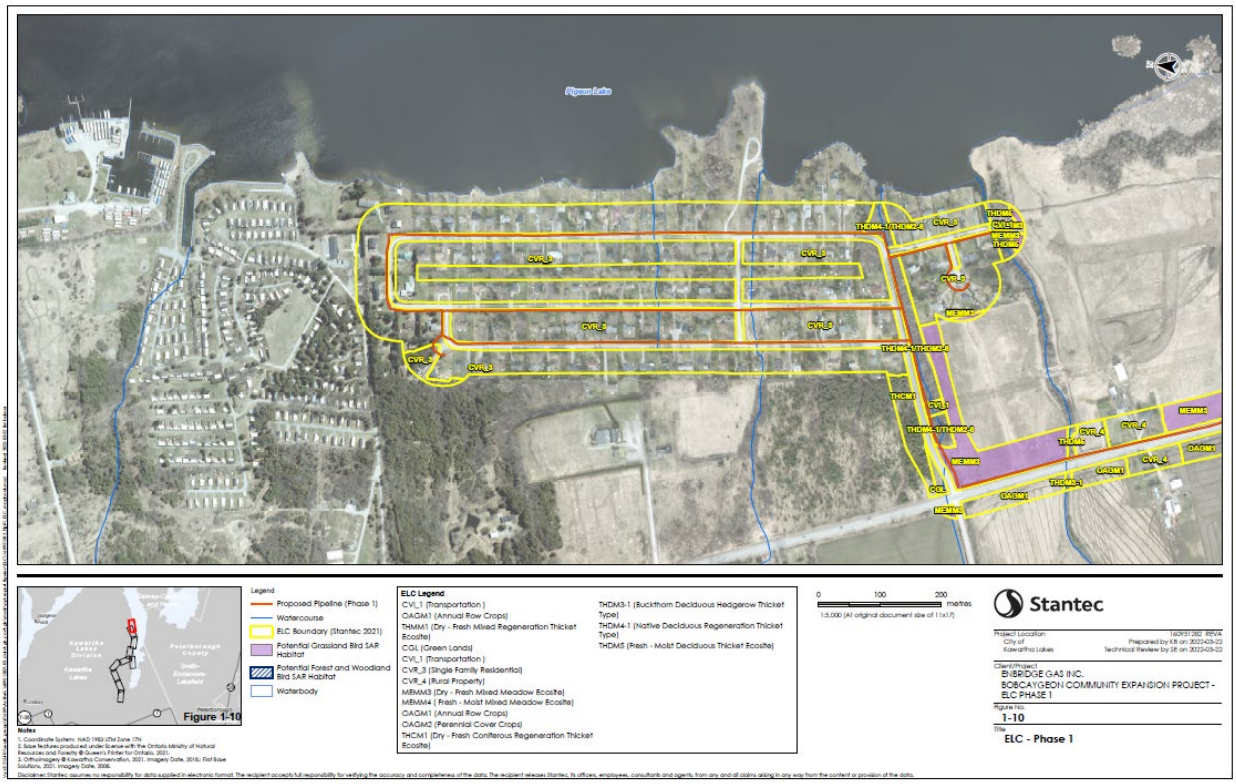

CVR_4
OAGM2
OAG
MEMM6
MAMM1-12/MAMM1-5
THMM1
OAGM1
THDM3-1
OAGM4
FOMM4-2
SWTM3
Figure 1-5
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_4 (Rural Property)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
MAMM1-12 (Common Reed Graminoid Mineral Meadow Marsh Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAG (Open Agriculture)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
SWTM3 (Willow Mineral Deciduous Thicket Swamp Ecosite)
THDM3-1 (Buckthorn Deciduous Hedgerow Thicket Type)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
0
100
200
metres
Stantec
Project Location
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SR on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-5
Title
ELC - Phase 1


Pigeon Lake
CVR_4/CVR_5
CAES1
THDM4_1/THDM2_2
TAGM1
OAGM1
MEMM3/THDM2
THDM4_1/THDM2_4
FODM5_1
OAGM2
THDM1
CVR_4/CVR_5
OAGM4
CVR_4
THDM4
CVR_4/CVR_5
THCM2_2
CVR_4
CVR_4/THCM1_1
MEMM3
WCDM4
THMM1
THMM1/MEMM3
Figure 1-6
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_4 (Rural Property)
FODM8-1 (Fresh – Moist Poplar Deciduous Forest Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
SAF_1 (Floating-leaved Shallow Aquatic Ecosite)
TAGM1 (Coniferous Plantation)
THCM2-1 (Fresh - Moist White Cedar Coniferous Thickte Type)
THDM4 (Dry - Fresh Deciduous Regeneration Thicket Ecosite)
THDM4-1 (Native Deciduous Regeneration Thicket Type)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
WODM4 (Dry - Fresh Deciduous Woodland Ecosite)
WODM5-1 (Fresh - Moist Poplar Deciduous Woodland Type)
0
100
200
metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-6
Title
ELC - Phase 1
Notes
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THDM2-6
MEMM3
OAGM1
CVR_4
MEMM3
OAGM1
CVR_4
OAGM1
OAG
CVR_4/THMM2
CVR_4
CVR_4/CVR_3
OAGM4
WODM4
CVR_4/THDM2-6
THMM1
THMM1/MEMM3
MEMM3
FODM5-10
CVR_4
TAGM1
CVR_4
CVR_4
FODM5-10
CVR_4
OAG
FOMM5
CVR_4
OAGM4
OAGM4
OAG
CVR_4
THMM1/MEMM4
MEMM3/THMM1
OAGM2
Figure 1-7
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_4 (Rural Property)
FODM5-10 (Dry – Fresh Sugar Maple – White Birch – Poplar Deciduous Forest Type)
FOMM5 (Dry – Fresh White Birch – Poplar – Conifer Mixed Forest Ecosite)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAG (Open Agriculture)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
TAGM1 (Coniferous Plantation)
THDM2-6 (Buckthorn Deciduous Shrub Thicket Type)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
WODM4 (Dry - Fresh Deciduous Woodland Ecosite)
0
100
200
metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-7
Title
ELC - Phase 1


Pigeon Lake
SAF_1
MASO1-1
CVR_4
MASO1-1
MASO1-1
THDM2-6
THDM2-6
THMM3/SWT
CVR_4
OAG
CVR_4/CVR_5
OAGM1
THDM2
OAGM1
CVR_4
MASO1-1
MASO1-1
OAGM4
OAGM1
MEMM2
MASO1-1
OAGM1
THDM2-6
THDM2-6
OAGM1
CVR_4
CVR_4
MEMM2
OAGM1
CVR_4
OAG
Figure 1-8
Legend
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Waterbody
ELC Legend
CVR_4 (Rural Property)
MASO1-1 (Cattail Organic Shallow Marsh Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAG (Open Agriculture)
OAGM1 (Annual Row Crops)
OAGM4 (Open Pasture)
SAF_1 (Floating-leaved Shallow Aquatic Ecosite)
THDM2-6 (Buckthorn Deciduous Shrub Thicket Type)
THDM3 (Dry - Fresh Deciduous Hedgerow Thicket Ecosite)
THMM2 (Fresh - Moist Mixed Thicket Ecosite)
0
100
200
metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-8
Title
ELC - Phase 1
Notes
1. Coordinate System: NAD 1983 UTM Zone 17N
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Pigeon Lake
Figure 1-9
Legend
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVL_1 (Transportation)
OAGM1 (Annual Row Crops)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
CGL (Green Lands)
CVL_3 (Single Family Residential)
CVR_4 (Rural Property)
FODM5-11 (Dry – Fresh Sugar Maple – Hardwood Deciduous Forest Type)
MASO1-1 (Cattail Organic Shallow Marsh Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
MEMM4 (Fresh - Moist Mixed Meadow Ecosite)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
THCM1 (Dry - Fresh Coniferous Regeneration Thicket Ecosite)
THDM2-6 (Buckthorn Deciduous Shrub Thicket Type)
THDM3-1 (Buckthorn Deciduous Hedgerow Thicket Type)
THDM4-1 (Native Deciduous Regeneration Thicket Type)
THDM5 (Fresh - Moist Deciduous Thicket Ecosite)
THMM2 (Fresh - Moist Mixed Thicket Ecosite)
WODM4 (Dry - Fresh Deciduous Woodland Ecosite)
0 100 200 metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
160951282 RPVA
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-9
Title
ELC - Phase 1



Legend
- Proposed Pipeline (Phase 1)
- Watercourse
- ELC Boundary (Stantec 2021)
- Potential Grassland Bird SAR Habitat
- Potential Forest and Woodland Bird SAR Habitat
- Waterbody

ELC Legend

CVI_1 (Transportation)
OAGM1 (Annual Row Crops)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
CGL (Green Lands)
CVI_1 (Transportation)
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
MBMM3 (Dry - Fresh Mixed Meadow Ecosite)
MBMM4 (Fresh - Moist Mixed Meadow Ecosite)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
THCM1 (Dry - Fresh Coniferous Regeneration Thicket Ecosite)
THDM3-1 (Buckthorn Deciduous Hedgerow Thicket Type)
THDM4-1 (Native Deciduous Regeneration Thicket Type)
THDM5 (Fresh - Moist Deciduous Thicket Ecosite)

0 100 200 metres
1:5,000 (At original document size of 11x17)

Stantec

Project Location: City of Kawartha Lakes — 160951282 RPT.R — Prepared by KB on 2022-03-22 — Technical Review by SR on 2022-03-22

Client/Project: ENBRIDGE GAS INC. BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1

Figure No. 1-10

Title: ELC - Phase 1

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Line-item attachment 3.11

From: Melanie Green
To: donna.bigcanoe@georginaisland.com; jl.porter@georginaisland.com; sylvia.mccue@georginaisland.com
Cc: Lauryn Graham
Subject: Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment
Date: Thursday, May 12, 2022 10:52:24 AM

Good morning,

I have been given information related to; PHASE 1 Ecological Land Classification and Habitat Assessment related to Bobcaygeon Community expansion project – should you be interested in reviewing, the information to access below.
As always, your feedback is appreciated and Enbridge acknowledges that capacity support may be required in order engage in timely reviews of the documents, participation in archaeological work associated with proposed projects, and to engage in meaningful consultation. We are prepared to provide capacity funding to support this work.

Should time allow, we would appreciate comments and feedback by June 8th, 2022 – if you force requiring more time, please let me know.

Thank you and have a fabulous day!

Mel

Login Information

Browser link: https://tmpsftp.stantec.com
FTP Client Hostname: tmpsftp.stantec.com **Port:** 22 (can be used within a SFTP client to view and transfer files and folders; e.g., FileZilla)
Login name: s0518142202
Password: 7969419
Disk Quota: 20 GB
Expiry Date: 5/18/2022

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

Line-item attachment 3.19

From: Melanie Green
To: donna.bigcanoe@georginaisland.com; jl.porte@georginaisland.com; sylvia.mccue@georginaisland.com
Cc: Lauryn Graham
Subject: Bobcaygeon Community Expansion Project - Stage 1 AA MTCS
Date: Tuesday, September 13, 2022 8:53:30 AM

God morning,

Please see attached FPT site related to the Stage 1 AA pertaining to Bobcaygeon Community Expansion Project – We have been provided the report as it has been accepted by the MTCS. We are interested in your review and feedback –

Login Information

Browser link: https://tmpsftp.stantec.com
FTP Client Hostname: tmpsftp.stantec.com **Port:** 22 (can be used within a SFTP client to view and transfer files and folders; e.g., FileZilla)
Login name: s0916131613
Password: 2177426
Disk Quota: 20 GB
Expiry Date: 9/23/2022

thank you and have a great day!

Mel

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

ENBRIDGE INC.
TEL: 613.747.4039 | Cell: 613.297.4365
400 Coventry Rd, Ottawa, ON K1K2C7

Line-item attachment 3.23

From: Melanie Green
To: donna.bigcanoe@georginaisland.com; jl.porte@georginaisland.com; sylvia.mccue@georginaisland.com
Cc: Lauryn Graham
Subject: Stage 2 AA - Bobcaygeon Community Expansion Project (Memo)
Date: Thursday, February 16, 2023 2:18:55 PM
Attachments: 160951282_2022_arch_field_memo_rev.pdf

Good afternoon,

We just received an archaeological field memo detailing high level results/pictures from the Stage 2 AA field work for Phases 1-2 and photo documentation for Phase 3, related to the Bobcaygeon Community Expansion Project. A detailed report is forthcoming and as soon as it is received, I will send it off for review and comment.

Should you have any questions, please reach out.

Thank you in advance,

Mel

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

Public Affairs, Communications & Sustainability
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www.enbridge.com

Safety. Integrity. Respect. Inclusion.
Sécurité. Intégrité. Respect. Inclusion.

Line-item attachment 3.25

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Stantec Consulting Ltd.
100-300 Hagey Boulevard, Waterloo ON N2L 0A4

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May 2, 2023

Chippewas of Georgina Island

SENT VIA EMAIL

Reference: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Project Amendment

On September 1, 2021, Enbridge Gas Inc. ("Enbridge Gas" or the "Company") circulated a Notice of Study Commencement and Virtual Open House for the proposed Bobcaygeon Community Expansion Project, which would supply the community with affordable natural gas (the "Project"). The Project will be located in the City of Kawartha Lakes and Township of Cavan-Monaghan. As part of the planning process, Enbridge Gas retained Stantec Consulting Ltd. ("Stantec") to undertake an Environmental Study for the Project. The Environmental Study fulfilled the requirements of the Ontario Energy Board's ("OEB") "*Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)*"[1].

On June 9, 2021, the proposed Bobcaygeon Community Expansion Project ("Project") was approved to receive funding assistance as part of Phase 2 of the Government of Ontario's Natural Gas Expansion Program, which provides financial support to help utilities expand natural gas distribution in communities that are not currently connected to the natural gas system.

On May 2, 2022, Enbridge Gas applied to the OEB pursuant to section 90(1) of the Ontario Energy Board Act, S.O. 1998, c. 15, Schedule B, for an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities for which the Company sought OEB approval consisted of:

(i) A Supply Lateral:
- Approximately 25 km of Nominal Pipe Size ("NPS") 6-inch extra high pressure ("XHP") steel ("ST") natural gas distribution pipeline.
- Approximately 2 km of NPS 6-inch high pressure polyethylene ("HPPE") natural gas distribution pipeline.
- Approximately 1 km of NPS 6-inch high pressure ("HP") ST natural gas distribution pipeline.

(ii) Eastern Reinforcement
- Approximately 13 km of NPS 6-inch XHP ST natural gas pipeline.

Enbridge Gas subsequently filed three requests for abeyance of the aforementioned application on July 5, 2022, October 31, 2022, and February 28, 2023, in order to update and interpret the results of the market analysis and surveys for the Project to provide an appropriate basis for the customer attachment forecasts filed in support of the application. The OEB confirmed on March 3, 2023, that they will continue to hold the application in abeyance until June 30, 2023.

The purpose of this letter is to inform you that Enbridge Gas is proposing to file an updated application with the OEB no later than June 30, 2023, seeking an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities for which the Company is seeking OEB approval consists of the aforementioned Supply Lateral and Eastern Reinforcement; however, the Eastern Reinforcement has since been reduced

[1]The OEB Released the 8th Edition of the Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario in March 2023, after the initiation, consultation and finalization of the Bobcaygeon Community Expansion Project and associated Environmental Report.

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100-300 Hagey Boulevard, Waterloo ON N2L 0A4

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to approximately 8 km of NPS 6-inch XHP ST natural gas pipeline. There is no change to the proposed Supply Lateral. Please see the attachment (Figure 1) for the updated map of the Project.

Stantec has reviewed the updated Project scope, as outlined above, in comparison to the information presented in the 2021 Environment Report and have determined that the updated Project scope is sufficiently covered in the Environmental Report, and that no adjustments or revisions to the Environmental Report are necessary.

If you have questions or comments regarding the Bobcaygeon Community Expansion Project, please do not hesitate to contact the undersigned.

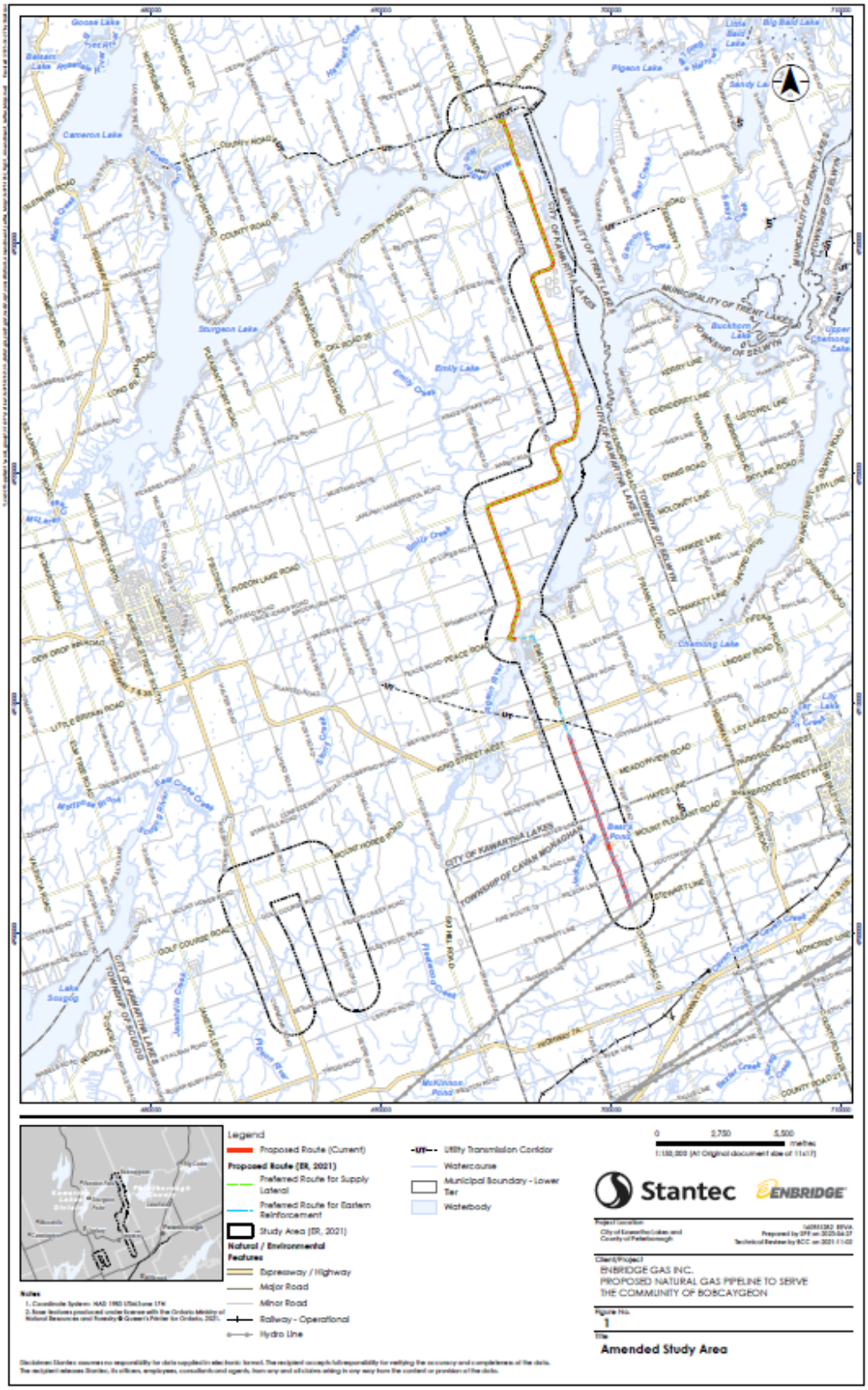
Yours truly,

Emily Hartwig
Stantec Consulting Ltd.
Environmental Consultant
Phone: 519 585 3849
BobcaygeonEA@stantec.com

Attachment: Figure 1 – Amended Study Area

c. Sarah Kingston-Benson, Senior Advisor, Environment, Enbridge Gas Inc.

[1]The OEB Released the 8th Edition of the Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario in March 2023, after the initiation, consultation and finalization of the Bobcaygeon Community Expansion Project and associated Environmental Report.


Legend
Proposed Route (Current)
Proposed Route (ER, 2021)
Preferred Route for Supply Lateral
Preferred Route for Eastern Reinforcement
Study Area (ER, 2021)
Natural / Environmental Features
Expressway / Highway
Major Road
Minor Road
Railway - Operational
Hydro Line
Utility Transmission Corridor
Watercourse
Municipal Boundary - Lower Tier
Waterbody
Stantec
ENBRIDGE
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON
Amended Study Area

Line-item attachment 4.0

From: Melanie Book <Melanie.Book@enbridge.com>
Sent: Tuesday, August 31, 2021 3:24 PM
To: Sharday James

Cc: consultation@ra mafirstnation.ca
Subject: Project Initiation- Bobcaygeon Community Expansion Project

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Afternoon Chief Williams,
Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon CommunityExpansion Project,* attached.

Project Summary:
Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking the community's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.
Miigwech,
Melanie

Melanie Book
Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Strategiste,
Engagement communautaire et autochtone, Ontario, Quebec et Maritimes

Public Affairs, Communications & Sustainability

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ENBRIDGE
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August 31, 2021

Chief Edward Williams Chippewasof
Rama First Nation 5884 Rama Road,
Suite 200

Rama L3V 6H6 Dear

Chief Williams,

Reference: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Study Commencement and Virtual Open House

I am writing to advise you of an upcoming gas pipeline project in the Bobcaygeon area, in the Williams Treaties Traditional Territory. Enbridge Gas Inc. (Enbridge Gas) is proposing to construct *the Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of upto approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.

The proposed Project is divided into two components: the Supply Lateral, and the Reinforcement, each ofwhich have two (2) routes being considered. For the Supply Lateral, both routes will start near Cowan's Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channel. An alternate route is being considered which has a minor deviation east alongTraceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon LakeRoad. For the Reinforcement, both route options require the reinforcement portion which starts near the intersection of Marina St. and Peace Road, travels east on Peace Road and south on Emily Park Road toStewarts Line where it will end. An additional reinforcement pipeline is required on Highway 35 between Bethany Hills Road and Mt Horeb Rd, with an alternate route along Mt Horeb Road and St. Marys Road, ending at Bethany Hills Road.

The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential forTemporary Working Space (TWS).

For further details, please refer to the attached map.

As part of the planning process, Enbridge Gas has retained Stantec Consulting Ltd. (Stantec) to undertakean Environmental Study for the Project. The Environmental Study will fulfill the requirements of the OntarioEnergy Board's (OEB) *"Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)".*

An Environmental Report, summarizing the results of the Environmental Study, will accompany Enbridge Gas' application to the OEB as part of their Leave to Construct application. It is anticipated that the Environmental Report for the study will be completed in Winter 2021. The OEB's review and approval is required before the proposed Project can proceed. If approved, construction is currently anticipated to beginin early 2023.

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Stantec is presently compiling an environmental, socio-economic, and archaeological/cultural heritage inventory of the Study Area. As an Indigenous community with a potential interest in the Study Area, we areinviting the Chippewas of Rama First Nation to provide comments and feedback regarding the proposed Project. Specifically, we are seeking information about areas that may be culturally significant to your community in the study area and information about potential effects that the Project may have on asserted or established Aboriginal and treaty rights, and any measures for mitigating those adverse impacts.

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As part of the Environmental Study, Enbridge Gas is also in the process of contacting the followingagencies:

- Indigenous and Northern Affairs Canada; and
- Ontario Ministry of Indigenous Relations and Reconciliation.

As a result of the physical distancing requirements set out by the Province of Ontario due to COVID-19, aVirtual Open House will be held in place of an in-person Open House.

The Virtual Open House will be available for two weeks starting on **September 13, 2021** and finishingon **September 27, 2021,** at www.solutions.ca/BobcaygeonEA

A questionnaire will be available as part of the Virtual Open House, and you will have the ability tosubmit comments and/or questions about the proposed Project. In addition, a copy of the Virtual Open House story boards will be available on the Enbridge Gas project website at:
https://www.Enbridgegas.com/BobcaygeonProject

Enbridge Gas is committed to meaningful engagement with Indigenous communities. As such, we would be interested in holding a conference call with the Chippewas of Rama First Nation to share project related information, should you wish. If you have any questions, would like to provide feedback, share knowledge, or would be interested in setting up a briefing on this project please feel free to contact me directly. We lookforward to engaging with the Chippewas of Rama First Nation to ensure your interests are being consideredand represented.

We kindly request that any initial input and comments regarding the Project are provided by your community by **October 12, 2021**. Please let us know if you are unable to respond by this date butareinterested in participating in the consultation process for the Project.

If you have questions or concerns regarding the Bobcaygeon Community Expansion Project, please do nothesitate to contact me directly.

Regards,

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes

PH: 613-784-6814

Melanie.book@enbridge.com

Line-item attachment 4.1

From: Melanie Book <Melanie.Book@enbridge.com>
Sent: Thursday, September 16, 2021 2:20 PM
To: Sharday James

Cc: consultation@ramafirstnation.ca; Matthew Chegahno
Subject: Virtual Open House- Bobcaygeon Community Expansion Project

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Afternoon Sharday,

I hope this email finds you well as we all start returning from summer vacations and gear up for a busy Fall.

I'm writing to you today to notify you that the Virtual Open House (VOH) for Enbridge Gas' Bobcaygeon Community Expansion Project is now live and underway. Please feel free to click here to access the VOH - I think you'll find that it has lots of rich information, including a project map, project overview, the process behind the environmental study, as well as a section on next steps. I'd like to kindly invite you, and anyone else in your community that may be interested, to have a look around the website to learn more about the Project.

If you have any questions or feedback on the project, or just want to speak with me directly about it, please do not hesitate to contact me and I will be sure to schedule some time for us.

Thanks in advance,

Melanie

Melanie Book
Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Strategiste,
Engagement communautaire et autochtone, Ontario, Quebec et Maritimes

Public Affairs, Communications & Sustainability

Affaires publiques, communications et developpement durable

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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com400
Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

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Line-item attachment 4.3

From: Matthew Chegahno <matthew.chegahno@enbridge.com>
Sent: Friday, October 22, 2021 11:56 AM
To: shardayj@ramafirstnation.ca; consultation@ramafirstnation.ca
Cc: Melanie Book

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know thecontent is safe.

Good afternoon Sharday,

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline**. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

Stage 1:

Enbridge had a Stage 1 AA completed for a portion of the proposed project in 2006 (report attached), which has been accepted into the MHSTCI's archaeological register and confirmed by Stantec with the MHSTCI that the report could be grandfathered in for Phase One of this proposed project. As always, should your community have any additional insightinto this area, we always appreciate the opportunity to proactively incorporate shared knowledge, in future reports.

An additional Stage 1 AA is being conducted for the Reinforcement section (Phase 2) of the pipeline as well as an additional buffer zone outside of the municipal right-of-way for the Supply Lateral to account for potential Temporary Working Space. Any supplementary draft Stage 1 Reports, for other phases of the proposed project, will be shared withyour community for review, once prepared.

Stage 2:

Based on the results of the 2006 Stage 1 AA desktop review, a Stage 2 AA will be required along specific areas of the preferred pipeline route. Please note that this Stage 2 AA is related specifically to Phase One of the proposed project (seemap attached), the Stage Two field work is planned for the following dates.

Proposed start date: November 16, 2021

Proposed end date: November 18, 2021

Please take time to review this information and advise if your community is interested in participating in this monitoringwork. I would also kindly ask you to indicate whether you would like to be included in-person or virtually.

If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.Thanks in

advance and have a great weekend,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

Line-item attachment 4.5

From: Matthew Chegahno

Sent: Friday, December 3, 2021 6:26 PM
To: shardayj@ramafirstnation.ca; consultation@ramafirstnation.ca
Cc: Melanie Book <Melanie.Book@enbridge.com>
Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Good evening Sharday,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER)for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite theChippewas of Rama First Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

In the link below please find a copy of the draft ER for the Project.

www.enbridgegas.com/bobcaygeonproject

I would kindly ask that the community returns to me any comments or feedback on the draft ER for the Project *by no later than January 17, 2022.*

Please be reminded that your community's review and comments are valued and will be used to help shape the approachfor this project. If you have any issues with the link or questions about the report, please do not hesitate to contact me and I will work to have your inquiry resolved.

Chi-miigwetch in advance for your time and attention on this matter.Matt

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com
603 Kumpf Drive, Waterloo ON, N2J 4A4

Line-item attachment 4.7

From: Sharday James <shardayj@ramafirstnation.ca>

Sent: Friday, January 7, 2022 9:08 AM

To: Matthew Chegahno <matthew.chegahno@enbridge.com>

Subject: [External] RE: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

CAUTION: EXTERNAL EMAIL

This email originated from outside Enbridge and could be a phish. Criminals can pretend to be anyone. Do not interact with the email unless you are 100% certain it is legitimate. Report any suspicious emails.

Good Morning Matthew,

Thank you for your email. I have reviewed the EA. I noticed in the SAR category that there are a number that could be encountered during construction. How will these impacts be mitigated? What about the SAR trees that were identified on site? Will they be impacted by the construction? How will the work crew be able to identify these species in order to report them?

Thank you,
Sharday James

Sharday James

Community Consultation Worker, Lands and Membership

Chippewas of Rama First Nation

(ph) 705-325-3611,1633

(cell)

(fax)

Line-item attachment 4.8

From: Matthew Chegahno <matthew.chegahno@enbridge.com>
Sent: Monday, January 10, 2022 7:10 AM
To: Sharday James

Subject: RE: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know thecontent is safe.

Sharday,

Chi-miigwetch for taking the time to review the ER and pose these questions. I have spoken with some of our internalEnvironment folks and they have provided me with what I hope will answer your questions. Please see below:

Table 5-1 within the Environmental Report provides mitigation measures related to wildlife, wildlife habitat and Species at risk, some of which we've provided below. Also, impacts to Species at risk will be avoided as much as possible by locating the Project within the existing municipally owned right-of-way.

Moreover, Enbridge will be submitting an Information Gathering Form to the Ministry of Environment, Conservation and Parks (MECP) to determine Species at risk requirements for the Project, however, at this time, Enbridge is planning to utilize best management practices (BMPs) and standard mitigation to avoid impacts to Species at risk at their habitat. As part of the Information Gathering Form, Enbridge will be reviewing the mitigation for the identified butternut tree. This may include completing a Butternut Health Assessment, locating the pipeline on the opposite side of the road, and if required, complete the pipeline installation by Horizontal Directional Drill (HDD).

As for workers identifying Species at risk, Enbridge completes Environmental Training at the onset of a project, which includes Species at risk and associated identification sheets and mitigation measures. An Environmental Inspector may also be onsite regularly to support Species at risk identification and mitigation measures.

As discussed above, you'll find within the ER the following recommended mitigation measures. These will be finalized as we work through the design and permitting stages of the Project.

Mitigation Measures:

a. *Prior to all activities, a worker awareness program should be implemented that includes SAR identificationand habitat or nesting characteristics as well as reporting protocols.*
b. *SAR sightings should be reported immediately to the Environmental Inspector followed by MECP or ECCC, asrequired.*
c. *Complete a Butternut Health Assessment of the single identified butternut, and of additional butternuts ifrequired to determine requirements under the ESA (if any). HDD may be an option to bypass ground disturbance work within 25 m of butternuts if amicable to MECP. Otherwise, registration under Ontario Regulation 242/08 Section 23.7 could be undertaken for a maximum of 10 trees, if required.*
d. *Exclusion fencing (e.g., silt fence) should be erected on both sides of the road prior to activities occurring during the active season (e.g., April 1 – September 30) in areas identified as having turtles (30 m for SOCC species, 250 m for Blanding's turtle) or as being high potential, such as stream/river crossings, lake shores,ponds, wetlands, dips or valleys between rock outcrops, wetted ditches connected to natural water features.*
e. *Exclusion fencing should be installed prior to the sensitive nesting season (May 1 and June 30) if activitiesare anticipated to occur throughout this period to prevent turtles from entering and/or nesting; or pre- screening can be completed to avoid nests if work must begin during nesting season.*
f. *No heavy machinery should be permitted on the shoulder of the road past the exclusion fencing to preventcompaction and prevent destruction of nests and habitat.*

g. *Where possible, restrict construction activities within 30 m of a nesting site*
h. *Construction activities with the potential to remove migratory bird habitat, such as vegetation clearing, should be avoided during the breeding season which is generally from April 1- August 31 in southern Ontario (Environment Canada, 2017)*

Line-item attachment 4.12

From: Melanie Green
To: consultation@ramafirstnation.ca; shardayl@ramafirstnation.ca
Cc: Lauryn Graham
Subject: Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment
Date: Wednesday, May 11, 2022 3:40:24 PM
Attachments: mem_60951282_ELC_Memo_20220510_fnl.pdf

Good afternoon,

Please see attached ELC memo for your review related to the Bobcaygeon Community Expansion Project.

We are asking for comment and feedback on or before **June 8, 2022.** If you force requiring more time, please let me now.

As always, your feedback is appreciated and Enbridge acknowledges that capacity support may be required in order engage in timely reviews of the documents, participation in archaeological work associated with proposed projects, and to engage in meaningful consultation. We are prepared to provide capacity funding to support this work.

Thank you in advance,

Have a great rest of your day!

Mel

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

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Stantec

Memo

To:	Sarah Kingdon-Benson Enbridge Gas Inc.	From:	Brian Miller Stantec Consulting Ltd.
File:	160951282	Date:	May 10, 2022

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

This memo has been prepared to provide a summary of the vegetation community and habitat assessment field investigations conducted along Phase 1 of the proposed Bobcaygeon Community Expansion Project, a natural gas pipeline route to serve the community of Bobcaygeon, Ontario. Survey details are listed below in Table 1. The routes have been developed for purposes of an assessment of potential environmental and socioeconomic impacts and do not represent the final project scope and design that will provide access to natural gas to end-use customers.

Table 1 Survey Details and Summary

Survey Date	Surveyor(s)	Type of Survey
October 7, 2021	B. Miller	Roadside ELC and wildlife habitat assessment
October 8, 2021	B. Miller	Roadside ELC and wildlife habitat assessment

The purpose of these surveys was to identify natural and anthropogenic vegetation and wildlife habitat features to support a general assessment of their significance. The work included:

1. Roadside assessment of Ecological Land Classification (ELC) of vegetation communities.
2. Identification of wildlife habitat features including hibernacula, bat roosts, stick nests, seeps, and vernal pools
3. Complete a habitat assessment for Species at Risk (SAR) that may occur within the Study Area.

Identification and mapping of vegetation communities follows the protocols of the ELC field guide for Southern Ontario (Lee et al., 1998). Updates to vegetation community names and codes follow the 2008 catalogue of ELC vegetation communities. ELC mapping was completed to the finest level of resolution (Vegetation Type) where possible. Vegetation communities were first identified on aerial imagery and then confirmed in the field. Provincial significance of vegetation communities was based on the rankings assigned by the Natural Heritage Information Centre (NHIC 2021).

VEGETATION COMMUNITIES

ELC mapping of the linear Study Area along Centreline Road and Pigeon Lake Road is shown on Figures 1-1 to 1-10 (attached).

The Study Area is situated in a mostly rural or semi-rural setting with a mixture of natural vegetation communities, agricultural fields, and rural properties, and a small community at the north end of the Study Area next to Pigeon Lake. Thicket and woodland communities have a variable composition, but forests are generally dominated by eastern white cedar and trembling aspen or sugar maple and other hardwoods. Swamp communities are generally dominated by Freeman's (swamp) maple and/or trembling aspen. Marsh communities in the Study Area along the edge of Pigeon Lake are generally dominated by cattails. Standing water is common in many of these marsh communities.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

The vegetation community types are briefly described in Table 2 (below).

None of the vegetation communities listed below are considered rare in the province.

Table 2 Ecological Land Classification (ELC) Vegetation Types

ELC Code	ELC Community Name	Area (sq. m)
MEADOW COMMUNITIES		
MEMM3	Dry - Fresh Mixed Meadow	59172.4
MEMM3 / OAGM4	Dry - Fresh Mixed Meadow / Open Pasture	2280.4
MEMM3 / THDM2	Dry - Fresh Mixed Meadow / Dry - Fresh Deciduous Shrub Thicket	12946.8
MEMM3 / THDM4	Dry - Fresh Mixed Meadow / Dry - Fresh Deciduous Regeneration Thicket	18343.7
MEMM3 / THMM1	Dry - Fresh Mixed Meadow / Dry - Fresh Mixed Regeneration Thicket	6402.4
MEMM4 / THDM2-6	Fresh - Moist Mixed Meadow / Buckthorn Deciduous Shrub Thicket	939.2
THICKET COMMUNITIES		
THCM1	Dry - Fresh Coniferous Regeneration Thicket	5772.6
THCM2-1	Fresh - Moist White Cedar Coniferous Thicket	9100.5
THDM2-6	Buckthorn Deciduous Shrub Thicket	13433.9
THDM3	Dry - Fresh Deciduous Hedgerow Thicket	4134.7
THDM3-1	Buckthorn Deciduous Hedgerow Thicket	2923.8
THDM4	Dry - Fresh Deciduous Regeneration Thicket	3521.7
THDM4-1 / THDM2-6	Native Deciduous Regeneration Thicket / Buckthorn Deciduous Shrub Thicket	15387.3
THDM5	Fresh - Moist Deciduous Thicket	3133.5
THMM1	Dry - Fresh Mixed Regeneration Thicket	54818.7
THMM1 / MEMM3	Dry - Fresh Mixed Regeneration Thicket / Dry - Fresh Mixed Meadow	10376.1
THMM1 / MEMM4	Dry - Fresh Mixed Regeneration Thicket / Fresh - Moist Mixed Meadow	14360.9
THMM2 / SWT	Fresh - Moist Mixed Thicket / Thicket Swamp	15547.8
WOODLAND COMMUNITIES		
WODM4	Dry - Fresh Deciduous Woodland	7031.7
WODM5	Fresh - Moist Deciduous Woodland	2926.3
WODM5-1	Fresh - Moist Poplar Deciduous Woodland	886.8
PLANTATION COMMUNITIES		
TAGM1	Coniferous Plantation	14159.3

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

Table 2 Ecological Land Classification (ELC) Vegetation Types

ELC Code	ELC Community Name	Area (sq. m)
FOREST COMMUNITIES		
FODM5-10	Dry – Fresh Sugar Maple – White Birch – Poplar Deciduous Forest	5554.3
FODM5-11	Dry – Fresh Sugar Maple – Hardwood Deciduous Forest	1824.2
FODM5-3	Dry – Fresh Sugar Maple – Oak Deciduous Forest	3543.2
FODM5-8	Dry – Fresh Sugar Maple – White Ash Deciduous Forest	3311.5
FODM8-1	Fresh – Moist Poplar Deciduous Forest	8139.6
FOMM4	Dry – Fresh White Cedar Mixed Forest	4644.6
FOMM4-2	Dry – Fresh White Cedar – Poplar Mixed Forest	54834.6
FOMM5	Dry – Fresh White Birch – Poplar – Conifer Mixed Forest	3476.4
FOMM8-1	Fresh – Moist Poplar Mixed Forest	4481.8
FOMM8-1 / FOMM10-2	Fresh – Moist Poplar Mixed Forest / Fresh - Moist White Spruce - Hardwood Mixed Forest	4048.5
WETLAND - MARSH COMMUNITIES		
MAMM1-12 / MAMM1-2	Common Reed Graminoid Mineral Meadow Marsh / Cattail Graminoid Mineral Meadow Marsh	2796.2
MAMM3 / FODM8-1	Mixed Mineral Meadow Marsh / Fresh – Moist Poplar Deciduous Forest	1643.7
MAMO1-2 / SWTO5	Cattail Graminoid Organic Meadow Marsh / Organic Deciduous Thicket Swamp	6890.6
MASO1-1	Cattail Organic Shallow Marsh	40646.9
WETLAND - AQUATIC COMMUNITIES		
SAF_1	Floating-leaved Shallow Aquatic	6234.4
WETLAND - SWAMP COMMUNITIES		
SWDM3-3 / SWDM4-5	Swamp Maple Mineral Deciduous Swamp / Poplar Mineral Deciduous Swamp	7342.0
SWDM4-5	Poplar Mineral Deciduous Swamp	4183.7
SWDM4-5 / MAMO1-2	Poplar Mineral Deciduous Swamp / Cattail Graminoid Organic Meadow Marsh	9888.5
SWDO2-3	Swamp Maple Organic Deciduous Swamp	15499.8
SWTM3	Willow Mineral Deciduous Thicket Swamp	4580.0
SWTO2	Willow Organic Deciduous Thicket Swamp	2198.5
SWTO2 / MASO1-1	Willow Organic Deciduous Thicket Swamp / Cattail Organic Shallow Marsh	24764.9
SWTO5	Organic Deciduous Thicket Swamp	1148.1
SWTO5 / MASO1-1	Organic Deciduous Thicket Swamp / Cattail Organic Shallow Marsh	5956.9

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

Table 2 Ecological Land Classification (ELC) Vegetation Types

ELC Code	ELC Community Name	Area (sq. m)
OTHER COMMUNITIES		
CGL	Green Lands	938.7
CVC_1	Business Sector	8137.6
CVC_4	Extraction	12916.0
CVI	Transportation and Utilities	6698.5
CVI_1	Transportation	1464.7
CVR_3	Single Family Residential	253520.0
CVR_4	Rural Property	173435.3
CVR_4 / CVR_3	Rural Property / Single Family Residential	74035.6
CVR_4 / TAGM1	Rural Property / Coniferous Plantation	1378.6
CVR_4 / THCM1	Rural Property / Dry - Fresh Coniferous Regeneration Thicket	17543.2
CVR_4 / THMM2	Rural Property / Fresh - Moist Mixed Thicket	5659.9
CVS_2	Health	4624.0
OAG	Open Agriculture	91824.5
OAGM1	Annual Row Crops	219502.9
OAGM2	Perennial Cover Crops	140198.7
OAGM4	Open Pasture	73221.7

FLORA

No plant species at risk were documented that may have been identifiable during the time of year the survey was conducted (e.g., Butternut, Black Ash). A subsequent survey for Eastern Prairie Fringed Orchid, which could occur within roadside ditches and in the proposed work area, will occur in summer 2022.

WILDLIFE HABITAT ASSESSMENT

No seeps, springs, reptile hibernacula, stick nests or vernal pools were observed during the roadside surveys conducted in 2021.

Woodland habitat such as forest (FOD), Woodland (WOD) or Swamp (SWD) is present in many areas adjacent the Study Area. These wooded features likely contain standing snags which may provide potential bat maternity roosting habitat for bat species at risk (SAR; species protected under the *Endangered Species Act*). However, these features were not observed immediately adjacent the road edge. Forests (FO) and woodlands (WO) that are deciduous, coniferous, or mixed in composition may provide suitable habitat for several bird species, including the Eastern Whip-poor-will, a SAR. Mature forests that are deciduous in composition (FOD) and large open deciduous woodlands (WOD) may also provide suitable habitat for many bird species including the Cerulean Warbler, a SAR. Woodland habitat is shown on Figures 1-1 to 1-7 and 1-9 in the attached mapbook.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

Shallow marsh (MAS) and shallow water (SAF) communities along the edge of Pigeon Lake and at the very south end of the Study Area are suitable and potential habitat for turtles, including another SAR, Blanding's Turtle. Large, shallow marsh communities dominated by cattails (MASO1-1) could also provide suitable habitat for a marsh bird SAR, Least Bittern. Aquatic habitats are shown on Figures 1-1, 1-3, 1-6, 1-8 and 1-9 in the attached mapbook.

Grassland habitat was documented in hayfields (OAGM2), open pastures (OAGM4), meadows (MEMM), and thickets (THC, THD or THM). These communities could potentially support breeding Bobolink and Eastern Meadowlark, two species of grassland SAR birds. Barn Swallow, a SAR that breeds and forages in agricultural habitats is also likely to be found in OAG communities. Agricultural, meadow and thicket communities are shown on Figures 1-1 to 1-10 in the attached mapbook.

Chimney Swift is a SAR that requires artificial structures to breed (i.e., chimneys) and may be found in residential (CVR) communities. Residential communities are shown on Figures 1-1 to 1-10 in the attached mapbook.

For additional details on wildlife and wildlife habitat, including SAR and other important species, please refer to *Bobcaygeon Community Expansion Project: Environmental Report (*Stantec 2021).

SAR MITIGATION

The following mitigation measures are proposed and under consultation with the Ministry of the Environment, Conservation and Parks, the administering body of the *Endangered Species Act*. Therefore, the permitting and mitigation measures recommended below may be subject to change.

BAT SAR

A potential adverse effect to bat SAR within the Study Area is a loss of roosting habitat. However, as construction will be restricted to the road Right-of-Way, tree clearing and/or pruning will be limited and not expected to affect the availability of roosts in the local landscape.

To avoid direct impacts to SAR bats, tree clearing/pruning will occur outside the active window (April 1 - September 30). In the event limited tree clearing/pruning is required during the active season, an assessment will be completed to identify candidate roost trees and exit surveys will be completed to assess use of the roost tree. If roost trees are confirmed, Enbridge Gas will consult with MECP to discuss avoidance and/or ESA authorization requirements.

EASTERN WHIP-POOR-WILL

Work is restricted to the Right-of-Way where Eastern Whip-poor-will are unlikely to be present. Further, the disturbance will be temporary and open habitats in the Right-of-way will be restored to their original state following construction.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

CERULEAN WARBLER

Cerulean Warbler generally selects breeding territories away from "hard" forest edges and prefers to nest closer to the interior of forested communities (ECCC 2020). As work is restricted to the Right-of-Way which does not intersect interior forest communities and TWS's that are outside forested communities, impacts to this species are not anticipated. If limited tree clearing is required, it will be completed outside the breeding season (April 1 to August 31) or, if necessary, breeding bird sweeps will take place prior to any vegetation removal.

LEAST BITTERN

Work is restricted to the Right-of-Way where Least Bittern are unlikely to be present. Impacts to Least Bittern habitat are not anticipated. This species requires large wetlands (typically wetlands greater than 5 hectares) dominated by cattails for breeding, and construction will be restricted to the edges of wetlands where the species is unlikely to be present (COSEWIC 2009).

Additionally, HDD (horizontal directional drilling) may be utilized at wetland crossings encroaching onto the Right-of-Way. HDD is a construction technique used to avoid impacts to sensitive habitats, including wetlands where Least Bittern may be present. Specific protective measures pertaining to the use of HDD in wetlands encroaching onto the Right-of-Way can be found in Table 5.1 Section 3.3.3 of the *Bobcaygeon Community Expansion Project: Environmental Report* (Stantec 2021).

BLANDING'S TURTLE

Blanding's Turtle may be present in watercourses and wetlands within the Right-of-Way. Exclusionary fencing will be installed during construction at areas identified as potential Blanding's Turtle habitat (wetlands, watercourses). BMPs from OMNRF's (2016) *Best Management Practices for Mitigating the Effects of Roads on Amphibians and Reptile Species at Risk in Ontario* will be considered when installing exclusionary fencing and an Environmental Monitor will look for signs of turtles (nesting or adults) during construction activities in work areas.

Exclusion fencing (e.g., silt fence) should be erected on both sides of the road prior to activities occurring during the active season (e.g., April 1 – September 30) in areas identified as having turtles (250 m for Blanding's turtle) or as being high potential, such as stream/river crossings, lake shores, ponds, wetlands, dips or valleys between rock outcrops, wetted ditches connected to natural water features.

Exclusion fencing should be installed prior to the sensitive nesting season (May 1 and June 30) if activities are anticipated to occur throughout this period to prevent turtles from entering and/or nesting; or pre-screening can be completed to avoid nests if work must begin during nesting season. No heavy machinery should be permitted on the shoulder of the road past the exclusion fencing to prevent compaction and prevent destruction of nests and habitat. Where possible, restrict construction activities within 30 m of a nesting site.

Impacts to upland habitat (i.e., within 250m of wetlands) will be restricted to the road Right-of-Way. Such roadside habitat is expected to be of low quality for Blanding's Turtle and is likely acting as an ecological sink. Temporary disturbance to the roadside habitat is not anticipated to affect Blanding's Turtles.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

Additionally, HDD (horizontal directional drilling) may be utilized at wetland crossings encroaching onto the Right-of-Way. HDD is a construction technique used to avoid impacts to sensitive habitats, including wetlands where Blanding's Turtle may be present. Specific protective measures pertaining to the use of HDD in wetlands encroaching onto the Right-of-Way can be found in Table 5.1 Section 3.3.3 of the *Bobcaygeon Community Expansion Project: Environmental Report* (Stantec 2021).

BOBOLINK AND EASTERN MEADOWLARK

Bobolink and Eastern Meadowlark are expected to potentially occur within meadows, pastures, and hayfields that may overlap with the Project location. Avoidance of work within these areas between May 1 and August 31 are recommended to avoid impacts to these species. Clearing is to be completed during the bird nesting season, and nest sweeps should be completed no later than seven days prior to clearing activities. Work is generally restricted to the Right-of-Way and as such, no impacts to Bobolink or Eastern Meadowlark are anticipated. TWS's also do not include suitable habitat and as such, no impacts to Bobolink or Eastern Meadowlark are anticipated in these areas.

CHIMNEY SWIFT

Impacts to suitable Chimney Swift nest structures (e.g., buildings with suitable chimneys) are not anticipated. In the unlikely event impacts to a nesting structure is unavoidable, Enbridge Gas will consult with MECP to obtain ESA authorization.

BARN SWALLOW

Suitable nesting structures (i.e., buildings, box culverts, bridges) will be identified in the spring and summer of 2022 and an assessment will be made to determine if any direct impacts to the structure will be made during construction. Generally, culvert and watercourse crossings will be completed using HDD (horizontal directional drill) and as such, impacts are not anticipated at these locations.

In the event a structure will be directly impacted, the Project will consider obtaining an ESA authorization through O. Reg. 830/21, including removal of the structure outside the breeding bird window (April 1 – August 31) and provision of a new structure. Impacts to foraging habitat (e.g., agricultural communities) are not anticipated, as work is restricted to the Right-of-Way.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

EASTERN PRAIRIE FRINGED ORCHID

A subsequent survey for Eastern Prairie Fringed Orchid, which could occur within roadside ditches and in the proposed work area, will occur in summer 2022. If present, Enbridge Gas will further consult with MECP on avoidance measures and/or ESA authorization requirements.

Stantec Consulting Ltd.

Digitally signed by Straus, Melissa
Date: 2022.05.10 15:14:44 -04'00'

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Attachment: Figures 1-1 to 1-10 (ELC Mapbook)

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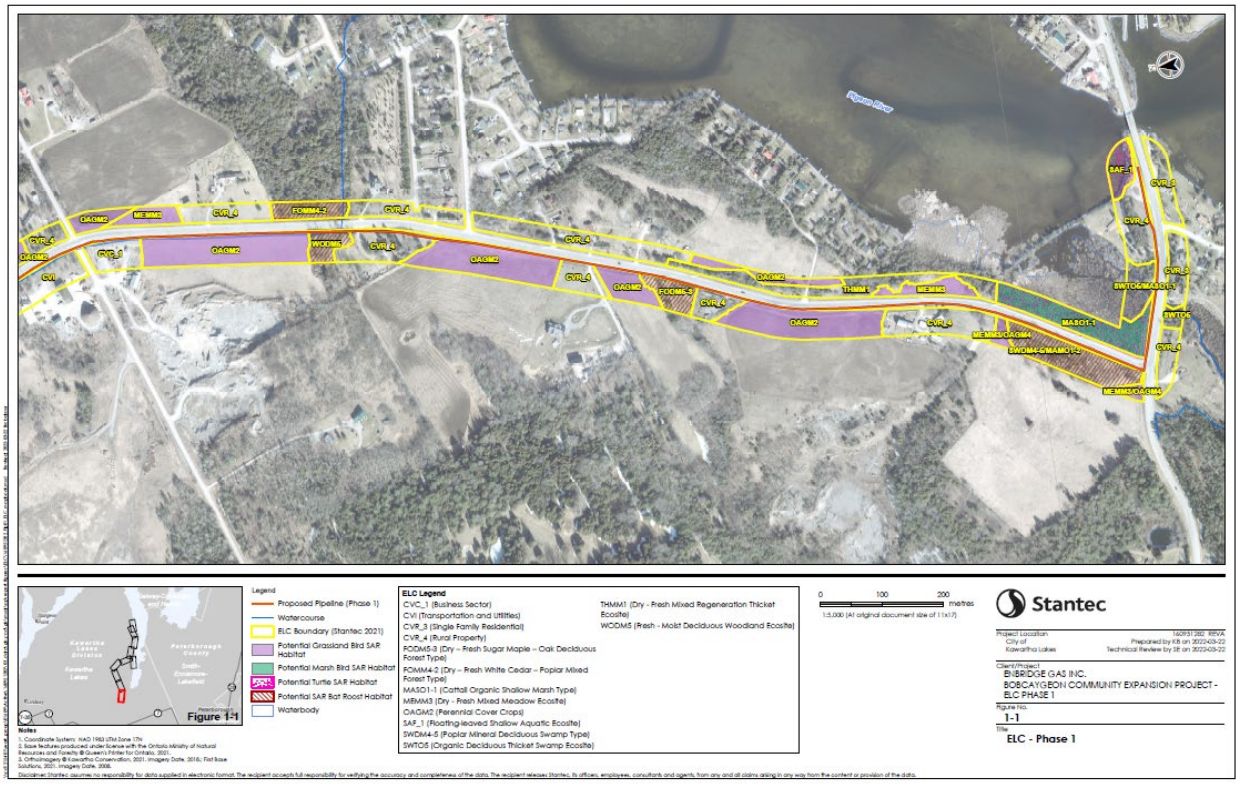
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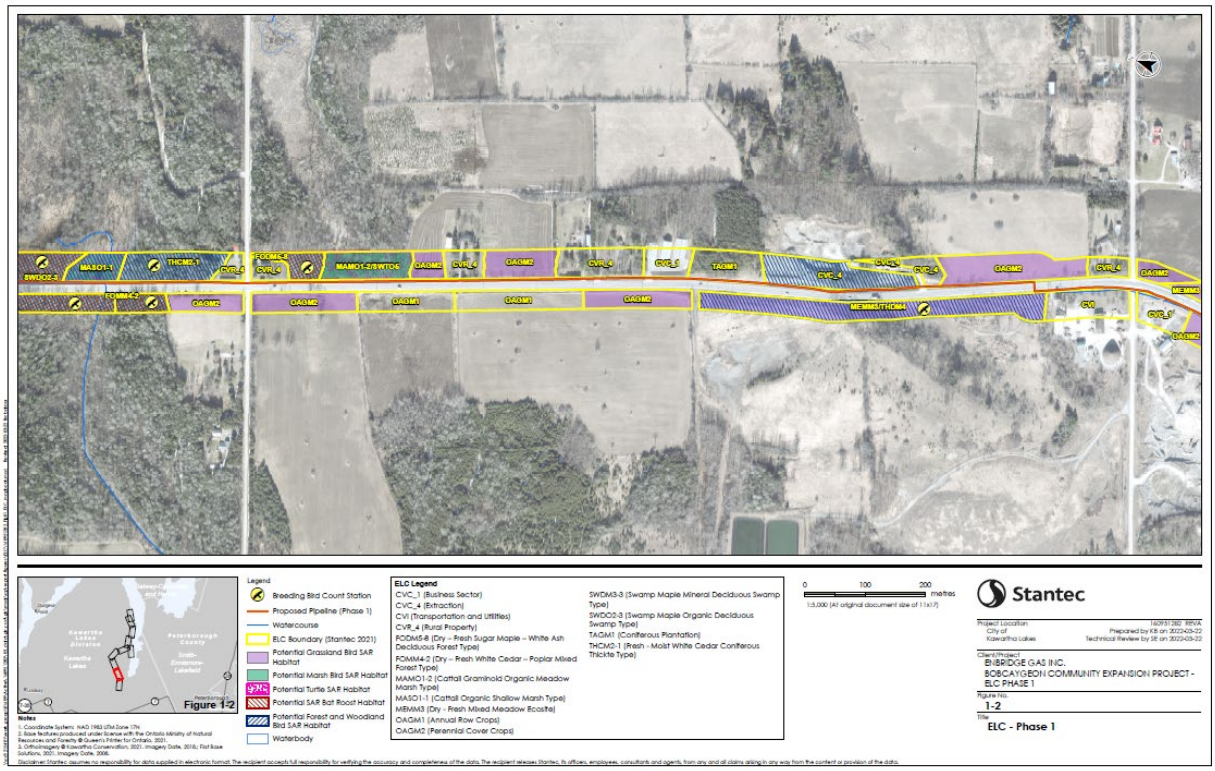
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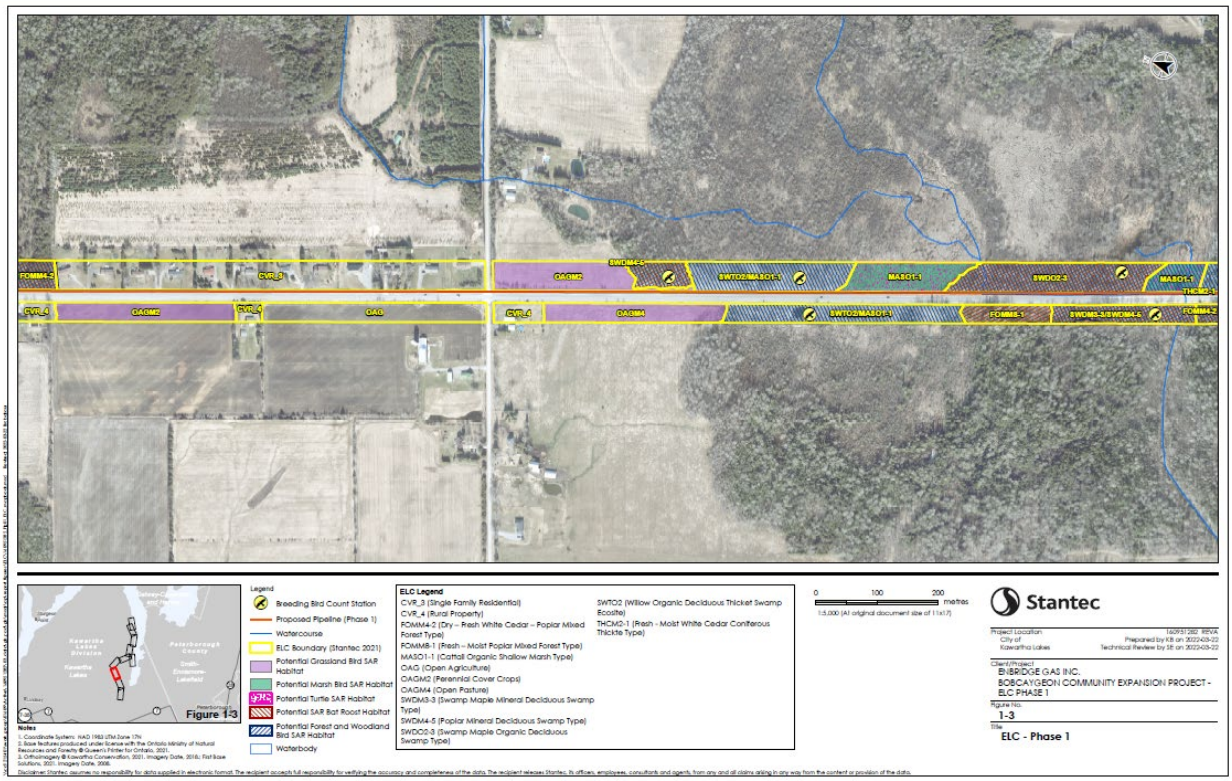
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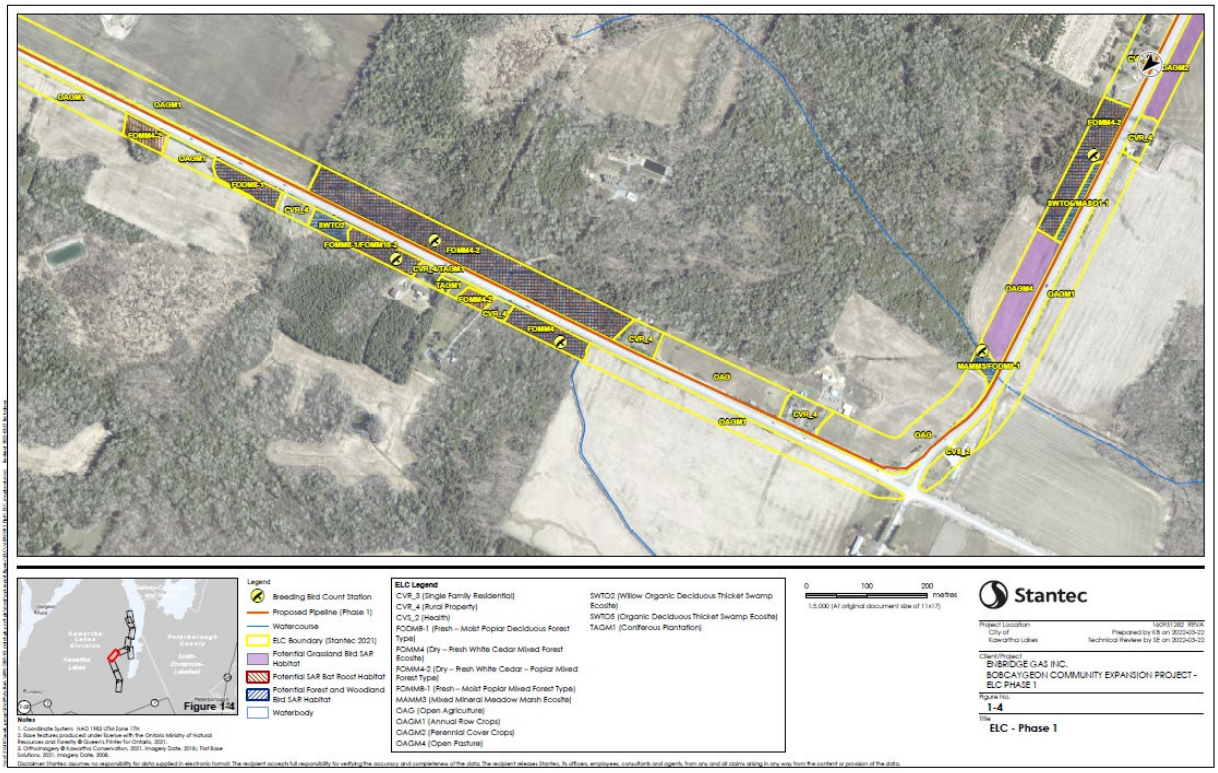
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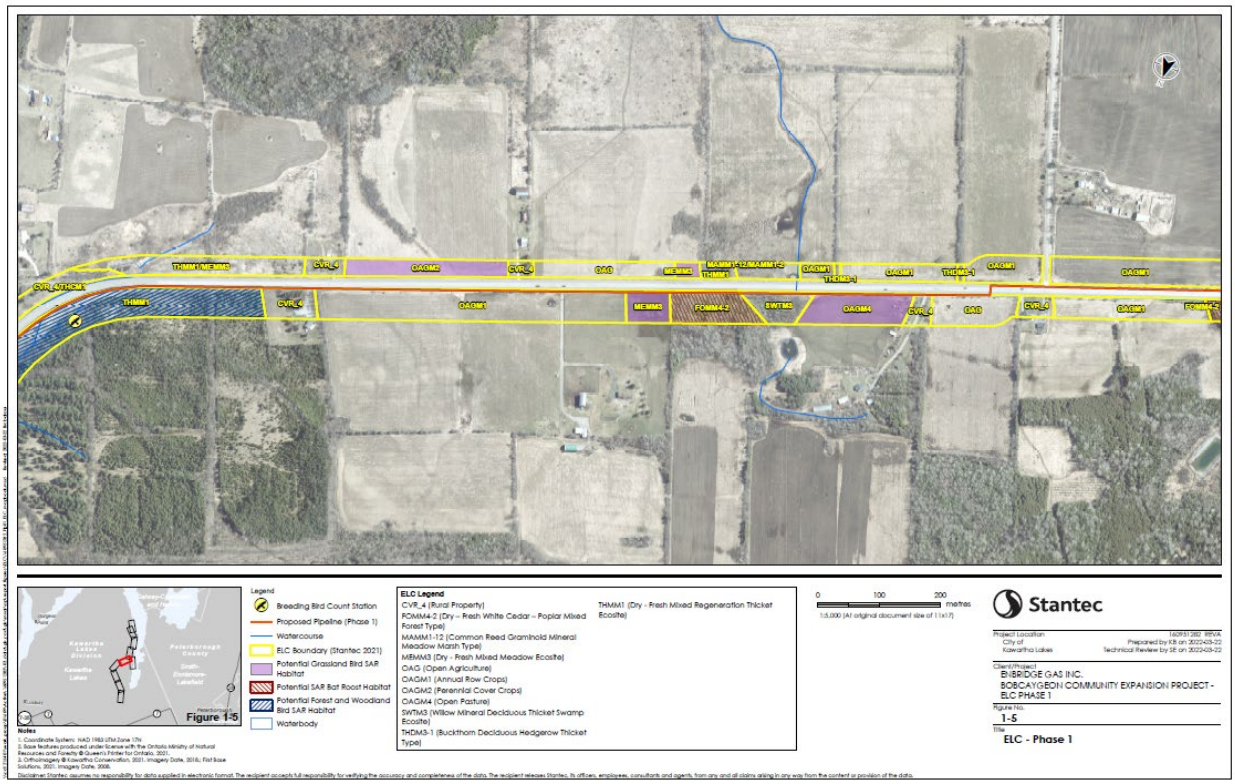
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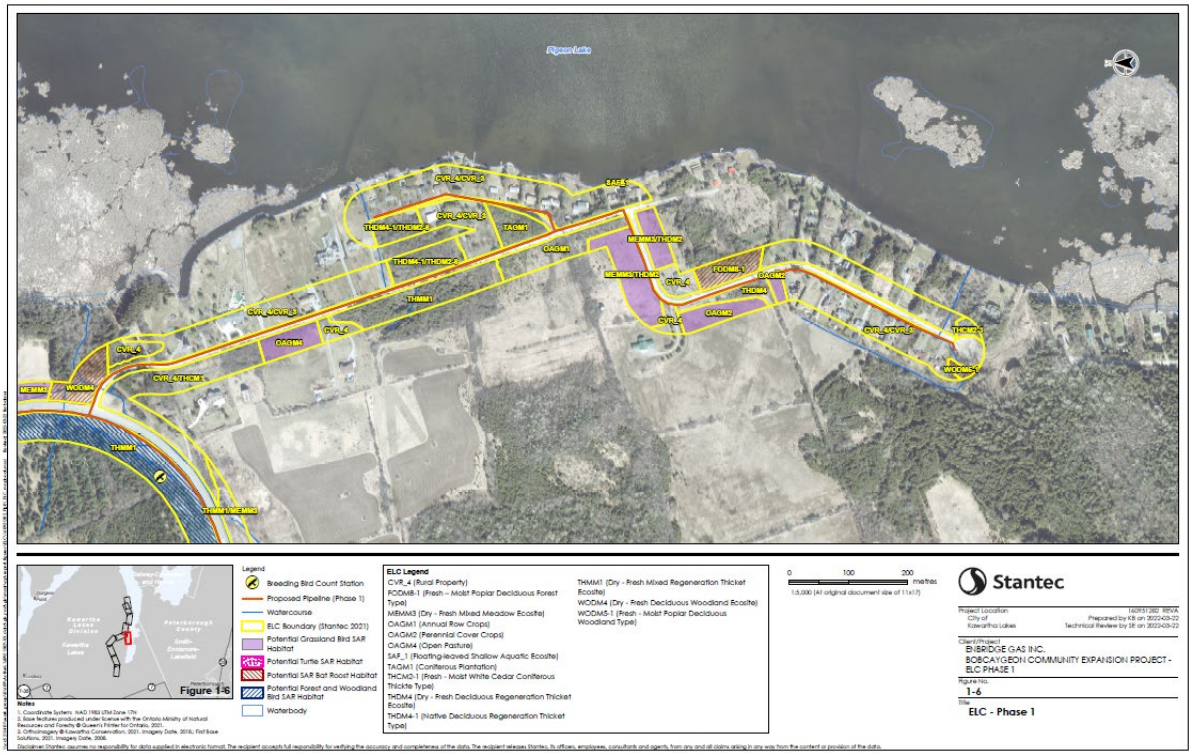

Figure 1-1
Legend
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Waterbody
ELC Legend
CVC_1 (Business Sector)
CVI (Transportation and Utilities)
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
FODM5-3 (Dry – Fresh Sugar Maple – Oak Deciduous Forest Type)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
MASO1-1 (Cattail Organic Shallow Marsh Type)
MBMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAGM2 (Perennial Cover Crops)
SAF_1 (Floating-leaved Shallow Aquatic Ecosite)
SWDM4-5 (Poplar Mineral Deciduous Swamp Type)
SWTO5 (Organic Deciduous Thicket Swamp Ecosite)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
WODM5 (Fresh - Moist Deciduous Woodland Ecosite)
0 100 200 metres
Stantec
Project Location
City of Kawartha Lakes
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-1
Title
ELC - Phase 1

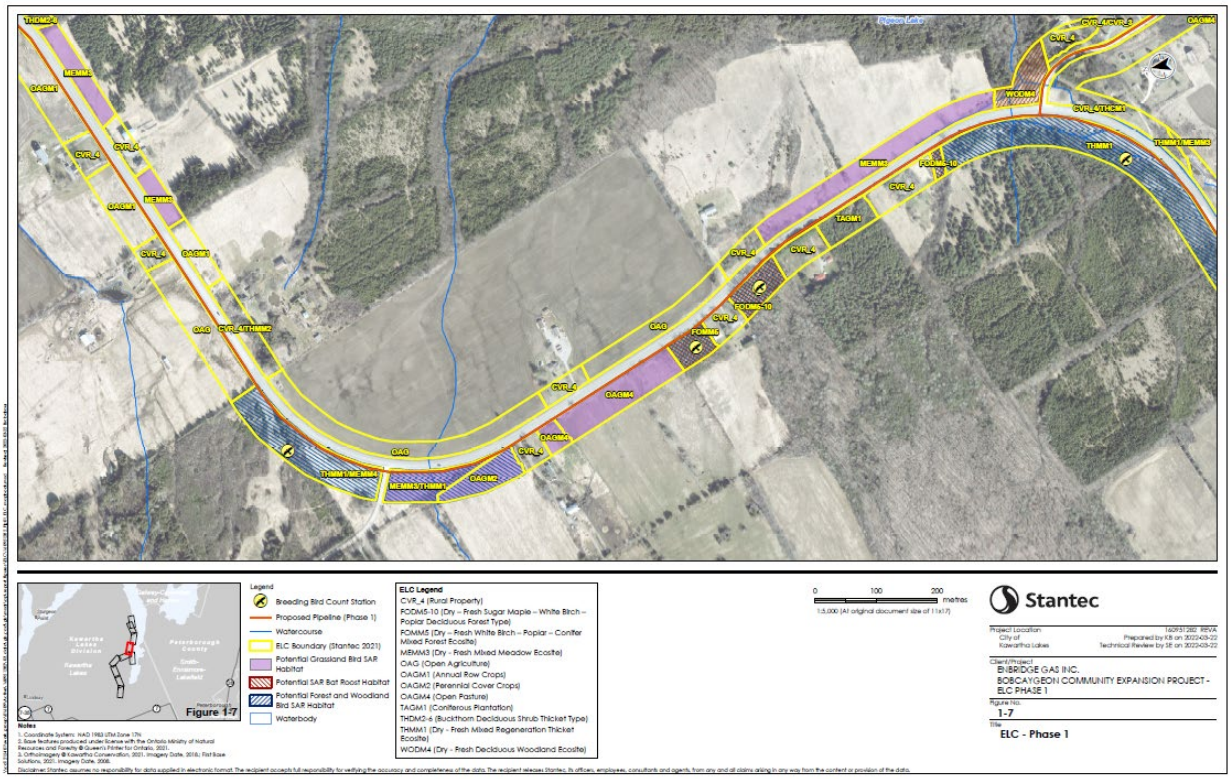

SWDO2-3
MASO1-1
THCM2-1
CVR_4
FOCM1-2
MAMO1-2/SWTD5
CVC_4
TAGM1
CVC_5
ME:MM3/THCM1
CVI
CVR_5
Figure 1-2
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVC_1 (Business Sector)
CVC_4 (Extraction)
CVI (Transportation and Utilities)
CVR_4 (Rural Property)
FODM5-8 (Dry – Fresh Sugar Maple – White Ash Deciduous Forest Type)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
MAMO1-2 (Cattail Graminoid Organic Meadow Marsh Type)
MASO1-1 (Cattail Organic Shallow Marsh Type)
MBMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
SWDM3-3 (Swamp Maple Mineral Deciduous Swamp Type)
SWDO2-3 (Swamp Maple Organic Deciduous Swamp Type)
TAGM1 (Coniferous Plantation)
THCM2-1 (Fresh - Moist White Cedar Coniferous Thicket Type)
0
100
200
metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
1609317282 RPT-A
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
BLUERIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-2
Title
ELC - Phase 1
Notes
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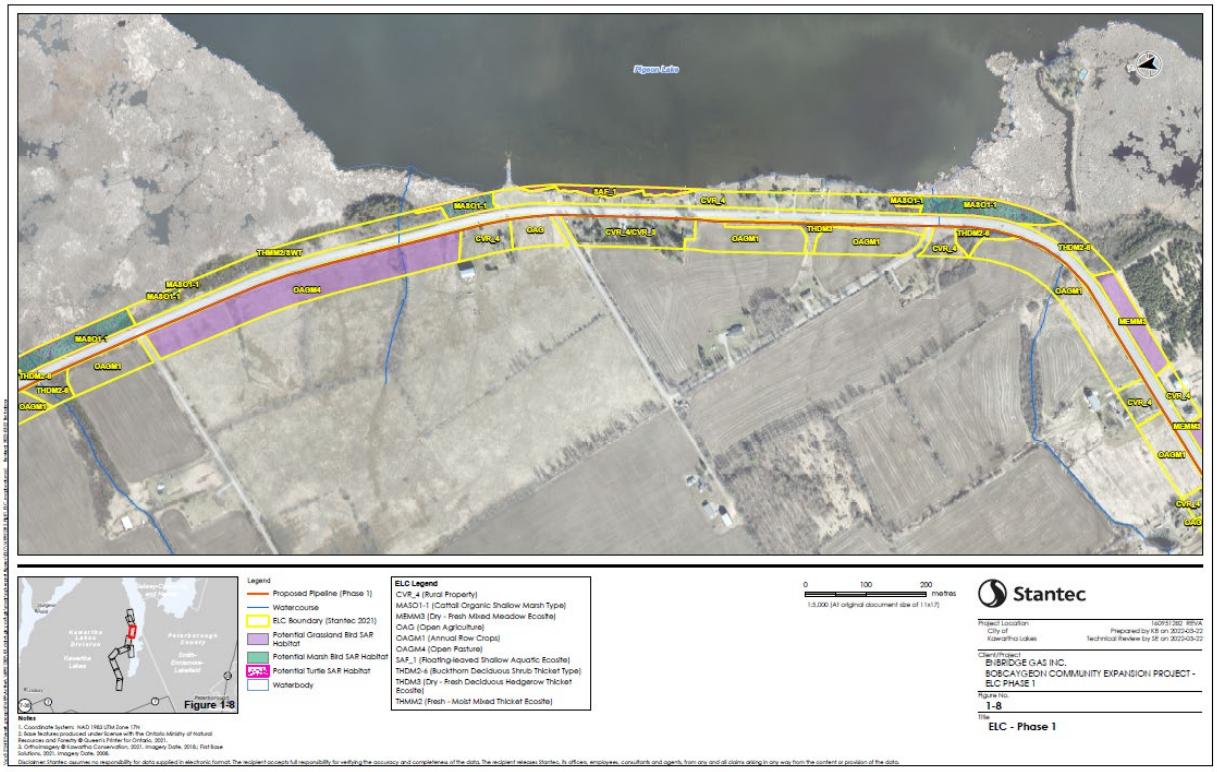

FOMM4-2
CVR_3
OAGM2
SWDM4-5
SWTO2/MASO1-1
MASO1-1
SWDO2-3
MASO1-1
THCM2-1
CVR_4
OAGM2
CVR_4
OAG
CVR_4
OAGM4
SWTO2/MASO1-1
FOMM8-1
SWDM3-3/SWDM4-5
FOMM4-2
Figure 1-3
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
FOMM8-1 (Fresh – Moist Poplar Mixed Forest Type)
MASO1-1 (Cattail Organic Shallow Marsh Type)
OAG (Open Agriculture)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
SWDM3-3 (Swamp Maple Mineral Deciduous Swamp Type)
SWDM4-5 (Poplar Mineral Deciduous Swamp Type)
SWDO2-3 (Swamp Maple Organic Deciduous Swamp Type)
SWTO2 (Willow Organic Deciduous Thicket Swamp Ecosite)
THCM2-1 (Fresh - Moist White Cedar Coniferous Thickte Type)
0
100
200
metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SR on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-3
Title
ELC - Phase 1
Notes
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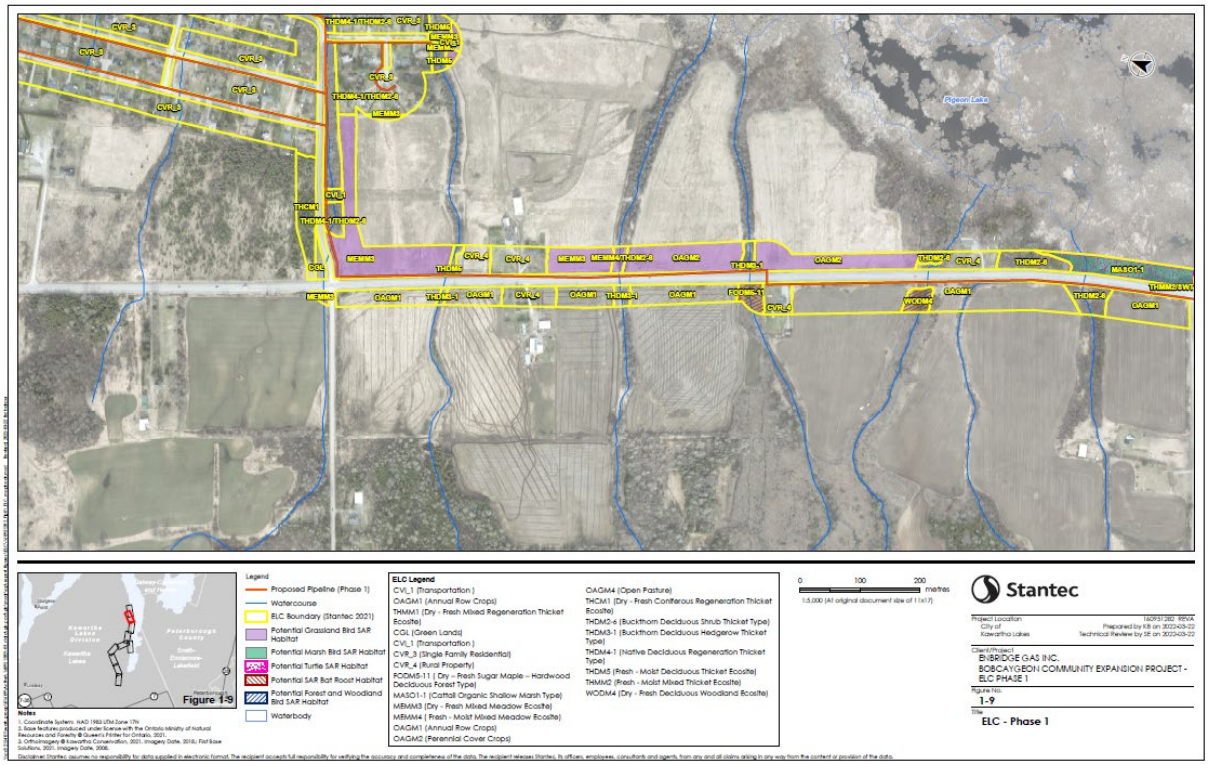

OAGM1
OAGM2
FOMM4-2
CVR_4
SWTO5/MAM3/OA1-1
OAGM4
MAMM3/FOMM-1
OAG
CVR_5
FOMM4
TAGM1
SWTO2
FOMM8-1/FOMM10-2
Figure 1-4
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
CVS_2 (Health)
FODM8-1 (Fresh – Moist Poplar Deciduous Forest Type)
FOMM4 (Dry – Fresh White Cedar Mixed Forest Ecosite)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
FOMM8-1 (Fresh – Moist Poplar Mixed Forest Type)
MAMM3 (Mixed Mineral Meadow Marsh Ecosite)
OAG (Open Agriculture)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
SWTO2 (Willow Organic Deciduous Thicket Swamp Ecosite)
SWTO5 (Organic Deciduous Thicket Swamp Ecosite)
TAGM1 (Coniferous Plantation)
0
100
200
metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-4
Title
ELC - Phase 1

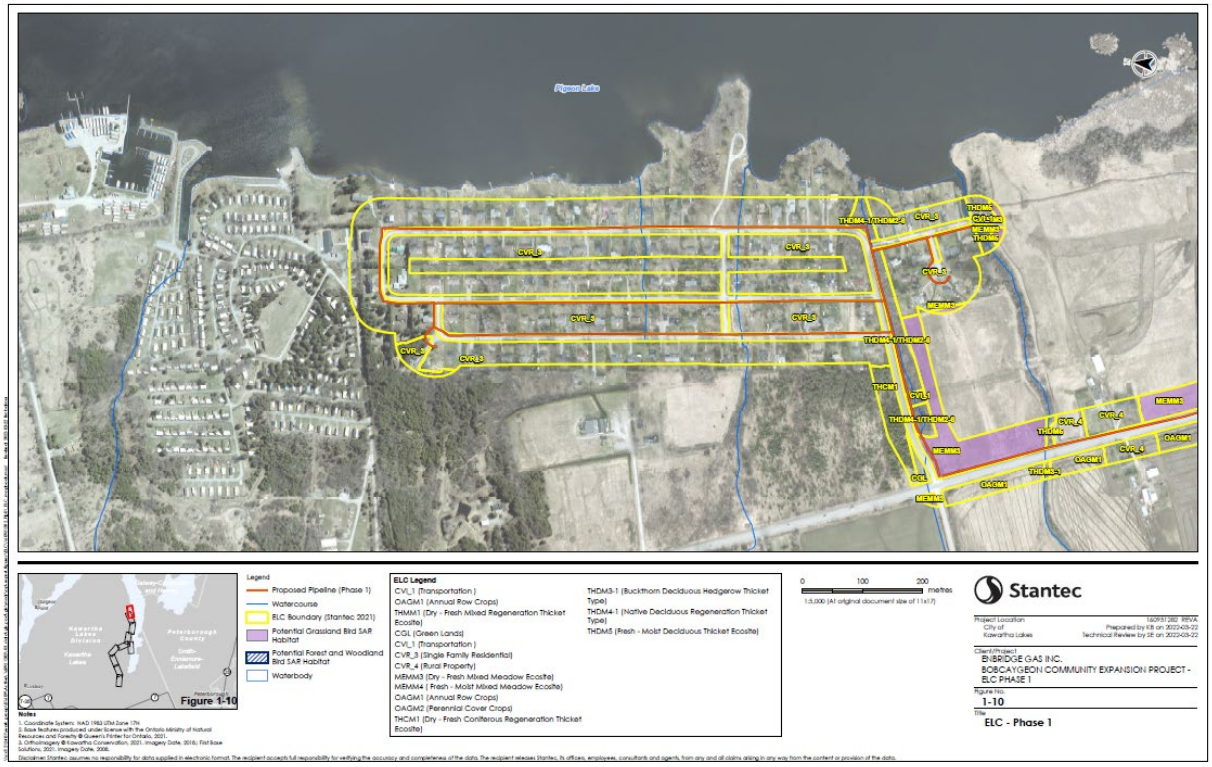

THMM1/MEMM3
CVR_4
OAGM2
CVR_4
OAG
MEMM3
MAMM1-12/MAMM1-2
THMM1
OAGM1
THDM3-1
OAGM1
THDM3-1
OAGM1
OAGM1
CVR_4/THDM3
THMM1
CVR_4
OAGM1
MEMM3
FOMM4-2
SWTM3
OAGM4
CVR_4
OAG
CVR_4
OAGM1
FOMM4-2
Figure 1-5
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_4 (Rural Property)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
MAMM1-12 (Common Reed Graminoid Mineral Meadow Marsh Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAG (Open Agriculture)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
SWTM3 (Willow Mineral Deciduous Thicket Swamp Ecosite)
THDM3-1 (Buckthorn Deciduous Hedgerow Thicket Type)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
0
100
200
Metres
1:5,000 (At original document size of 11x17)
Notes
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Project Location
City of Kawartha Lakes
160951282 RPT4
Prepared by KB on 2022-03-22
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Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-5
Title
ELC - Phase 1


Ryan Lake
CVR_4/CVR_5
OAFE1
THDM4-1/THDM2-6
TAGM1
CVR_4/CVR_5
OAGM1
THDM4-1/THDM2-4
MEMM3/THDM2
MEMM3/THDM2
FODM8-1
OAGM2
CVR_4
THDM4
THMM1
CVR_4/CVR_5
CVR_4
OAGM4
CVR_4
CVR_4/CVR_5
THCM2-1
WODM5-1
CVR_4/THCM-1
MEMM3
WODM4
THMM1
THMM1/MEMM3
Figure 1-6
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_4 (Rural Property)
FODM8-1 (Fresh – Moist Poplar Deciduous Forest Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
SAR_1 (Floating-leaved Shallow Aquatic Ecosite)
TAGM1 (Coniferous Plantation)
THCM2-1 (Fresh - Moist White Cedar Coniferous Thicktre Type)
THDM4 (Dry - Fresh Deciduous Regeneration Thicket Ecosite)
THDM4-1 (Native Deciduous Regeneration Thicket Type)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
WODM4 (Dry - Fresh Deciduous Woodland Ecosite)
WODM5-1 (Fresh - Moist Poplar Deciduous Woodland Type)
0 100 200 metres
1:5,000 (At original document size of 11x17)
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Project Location
City of Kawartha Lakes
1609512182 RPT-A
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-6
Title
ELC - Phase 1


THDM2-6
MEMM1
OAGM1
CVR_4
MEMM2
OAGM1
CVR_4
OAGM1
OAG
CVR_4/THMM2
CVR_4
OAGM4
OAG
CVR_4
OAGM4
OAGM4
CVR_4
OAG
THMM1/MEMM4
MEMM4/THMM1
OAGM2
Ryan Lake
CVR_4/CVR_5
OAGM4
CVR_4
WDM4
CVR_4/THMM1
THMM1
THMM1/MEMM2
MEMM2
FODM5-10
CVR_4
TAGM1
CVR_4
CVR_4
FODM5-10
CVR_4
FOMM5
OAG
Figure 1-7
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_4 (Rural Property)
FODM5-10 (Dry – Fresh Sugar Maple – White Birch – Poplar Deciduous Forest Type)
FOMM5 (Dry – Fresh White Birch – Poplar – Conifer Mixed Forest Ecosite)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAG (Open Agriculture)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
TAGM1 (Coniferous Plantation)
THDM2-6 (Buckthorn Deciduous Shrub Thicket Type)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
WDM4 (Dry - Fresh Deciduous Woodland Ecosite)
0
100
200
metres
1:3,000 (At original document size of 11x17)
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City of Kawartha Lakes
160931282 REVA
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-7
Title
ELC - Phase 1


Pigeon Lake
SAF_1
MASO1-1
CVR_4
THMM2/SWT
OAGM4
OAGM1
THDM2-6
THDM3
MEMM3
Figure 1-8
Legend
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Waterbody
ELC Legend
CVR_4 (Rural Property)
MASO1-1 (Cattail Organic Shallow Marsh Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAG (Open Agriculture)
OAGM1 (Annual Row Crops)
OAGM4 (Open Pasture)
SAF_1 (Floating-leaved Shallow Aquatic Ecosite)
THDM2-6 (Buckthorn Deciduous Shrub Thicket Type)
THDM3 (Dry - Fresh Deciduous Hedgerow Thicket Ecosite)
THMM2 (Fresh - Moist Mixed Thicket Ecosite)
0
100
200
metres
1:3,000 (At original document size of 11x17)
Notes
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City of Kawartha Lakes
Prepared by KS on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-8
Title
ELC - Phase 1


Pigeon Lake
Figure 1-9
Legend
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVI_1 (Transportation)
OAGM1 (Annual Row Crops)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
CGL (Green Lands)
CVI_1 (Transportation)
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
FODM5-11 (Dry - Fresh Sugar Maple – Hardwood Deciduous Forest Type)
MASO1-1 (Cattail Organic Shallow Marsh Type)
MBMM3 (Dry - Fresh Mixed Meadow Ecosite)
MBMM4 (Fresh - Moist Mixed Meadow Ecosite)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
THCM1 (Dry - Fresh Coniferous Regeneration Thicket Ecosite)
THDM2-6 (Buckthorn Deciduous Shrub Thicket Type)
THDM3-1 (Buckthorn Deciduous Hedgerow Thicket Type)
THDM4-1 (Native Deciduous Regeneration Thicket Type)
THDM5 (Fresh - Moist Deciduous Thicket Ecosite)
THMM2 (Fresh - Moist Mixed Thicket Ecosite)
WODM4 (Dry - Fresh Deciduous Woodland Ecosite)
0 100 200 metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
160931282 REVA
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-9
Title
ELC - Phase 1


Pigeon Lake
CVR_5
CVR_6
CVR_7
CVR_8
CVR_9
CVR_10
CVR_11
CVR_12
CVR_13
CVR_14
CVR_15
CVR_16
CVR_17
CVR_18
CVR_19
CVR_20
CVR_21
CVR_22
CVR_23
CVR_24
THDM4-1/THDM2-6
THDM5
CGL/THM2
MEMM3
THDM3
THCM1/THDM2-6
THCM1
THDM4-1/THDM2-6
MEMM4
OAGM1
OAGM2
CGL
MEMM5
THDM3-1
Figure 1-10
Legend
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVL_1 (Transportation)
OAGM1 (Annual Row Crops)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
CGL (Green Lands)
CVL_1 (Transportation)
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
MEMM4 (Fresh - Moist Mixed Meadow Ecosite)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
THCM1 (Dry - Fresh Coniferous Regeneration Thicket Ecosite)
THDM3-1 (Buckthorn Deciduous Hedgerow Thicket Type)
THDM4-1 (Native Deciduous Regeneration Thicket Type)
THDM5 (Fresh - Moist Deciduous Thicket Ecosite)
0
100
200
metres
1:3,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-10
Title
ELC - Phase 1
Notes
1. Coordinate System: NAD 1983 UTM Zone 17N
2. Base features produced under license with the Ontario Ministry of Natural Resources and Forestry © Queen's Printer for Ontario, 2021.
3. Orthoimagery © Kawartha Conservation, 2021. Imagery Date, 2018; First Base Solutions, 2021. Imagery Date, 2018.
Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.

Line-item 4.13

From: Melanie Green
To: consultation@ramafirstnation.ca; shardayl@ramafirstnation.ca
Cc: Lauryn Graham
Subject: Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment
Date: Thursday, May 12, 2022 10:53:02 AM

Good morning,

I have been given information related to; PHASE 1 Ecological Land Classification and Habitat Assessment related to Bobcaygeon Community expansion project – should you be interested in reviewing, the information to access below.
As always, your feedback is appreciated and Enbridge acknowledges that capacity support may be required in order engage in timely reviews of the documents, participation in archaeological work associated with proposed projects, and to engage in meaningful consultation. We are prepared to provide capacity funding to support this work.

Should time allow, we would appreciate comments and feedback by **June 8th, 2022** – if you force requiring more time, please let me know.

Thank you and have a fabulous day!

Mel

Login Information

Browser link: https://tmpsftp.stantec.com
FTP Client Hostname: tmpsftp.stantec.com **Port:** 22 (can be used within a SFTP client to view and transfer files and folders; e.g., FileZilla)
Login name: s0518142202
Password: 7969419
Disk Quota: 20 GB
Expiry Date: 5/18/2022

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

ENBRIDGE INC.
TEL: 613.747.4039 | Cell: 613.297.4365
400 Coventry Rd, Ottawa, ON K1K2C7

Line-item attachment 4.24

From: Melanie Green <Melanie.Green@enbridge.com>
Sent: Tuesday, September 13, 2022 8:54:21 AM
To: Community Consultation; Sharday James
Cc: Lauryn Graham
Subject: Bobcaygeon Community Expansion Project - Stage 1 AA MTCS

God morning,

Please see attached FTP site related to the Stage 1 AA pertaining to Bobcaygeon Community Expansion Project – We have been provided the report as it has been accepted by the MTCS. We are interested in your review and feedback –

Login Information

Browser link: https://tmpsftp.stantec.com
FTP Client Hostname: tmpsftp.stantec.com **Port:** 22 (can be used within a SFTP client to view and transfer files and folders; e.g., FileZilla)
Login name: s0916131613
Password: 2177426
Disk Quota: 20 GB
Expiry Date: 9/23/2022

thank you and have a great day!

Mel

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

ENBRIDGE INC.
TEL: 613.747.4039 | Cell: 613.297.4365
400 Coventry Rd, Ottawa, ON K1K2C7

www.enbridge.com

Line-item attachment 4.25

From: Community Consultation <consultation@ramafirstnation.ca>
Sent: Wednesday, September 14, 2022 2:31 PM
To: Melanie Green <Melanie.Green@enbridge.com>
Cc: Lauryn Graham <lauryn.graham@enbridge.com>
Subject: [External] Re: Bobcaygeon Community Expansion Project - Stage 1 AA MTCS

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DO NOT click links or open attachments unless you are 100% sure that the email is safe.

Aaniin Melanie,

Miigwech for providing this report. The Chippewas of Rama First Nation has no comment at this time though we would like to receive any further archaeological or environmental studies which might be undertaken.

Sincerely,

Samantha Craig-Curnow
Associate General Counsel, Legal
Chippewas of Rama First Nation
(ph) 705-325-3611,1289
(cell) 705-818-3277
(fax) 705-325-0879
(url) www.ramafirstnation.ca

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Line-item attachment 4.28

From: Melanie Green
To: consultation@ramafirstnation.ca
Cc: Lauryn Graham
Subject: Stage 2 AA - Bobcaygeon Community Expansion Project (Memo)
Date: Thursday, February 16, 2023 2:19:26 PM
Attachments: 160951282_2022_arch_field_memo_rev.pdf

Good afternoon,

We just received an archaeological field memo detailing high level results/pictures from the Stage 2 AA field work for Phases 1-2 and photo documentation for Phase 3, related to the Bobcaygeon Community Expansion Project. A detailed report is forthcoming and as soon as it is received, I will send it off for review and comment.

Should you have any questions, please reach out.

Thank you in advance,

Mel

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

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Line-item attachment 4.29

From: Community Consultation <consultation@ramafirstnation.ca>
Sent: Wednesday, February 22, 2023 12:24 PM
To: Melanie Green <Melanie.Green@enbridge.com>
Subject: [External] RE: Stage 2 AA - Bobcaygeon Community Expansion Project (Memo)

CAUTION! EXTERNAL SENDER
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Hey Melanie,

Looks all good to me.
No comments or concerns.

-BB

Ben Benson
Community Consultation Worker, Legal
Chippewas of Rama First Nation
(ph) 705-325-3611, 1633
(cell)
(fax)
(url) www.ramafirstnation.ca

Line-item attachment 4.33

Stantec Consulting Ltd.
100-300 Hagey Boulevard, Waterloo ON N2L 0A4

May 2, 2023

Chippewas of Rama First Nation

SENT VIA EMAIL

Reference: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Project Amendment

On September 1, 2021, Enbridge Gas Inc. ("Enbridge Gas" or the "Company") circulated a Notice of Study Commencement and Virtual Open House for the proposed Bobcaygeon Community Expansion Project, which would supply the community with affordable natural gas (the "Project"). The Project will be located in the City of Kawartha Lakes and Township of Cavan-Monaghan. As part of the planning process, Enbridge Gas retained Stantec Consulting Ltd. ("Stantec") to undertake an Environmental Study for the Project. The Environmental Study fulfilled the requirements of the Ontario Energy Board's ("OEB") "*Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)*"[1].

On June 9, 2021, the proposed Bobcaygeon Community Expansion Project ("Project") was approved to receive funding assistance as part of Phase 2 of the Government of Ontario's Natural Gas Expansion Program, which provides financial support to help utilities expand natural gas distribution in communities that are not currently connected to the natural gas system.

On May 2, 2022, Enbridge Gas applied to the OEB pursuant to section 90(1) of the Ontario Energy Board Act, S.O. 1998, c. 15, Schedule B, for an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities for which the Company sought OEB approval consisted of:

(i) A Supply Lateral:
- Approximately 25 km of Nominal Pipe Size ("NPS") 6-inch extra high pressure ("XHP") steel ("ST") natural gas distribution pipeline.
- Approximately 2 km of NPS 6-inch high pressure polyethylene ("HPPE") natural gas distribution pipeline.
- Approximately 1 km of NPS 6-inch high pressure ("HP") ST natural gas distribution pipeline.

(ii) Eastern Reinforcement
- Approximately 13 km of NPS 6-inch XHP ST natural gas pipeline.

Enbridge Gas subsequently filed three requests for abeyance of the aforementioned application on July 5, 2022, October 31, 2022, and February 28, 2023, in order to update and interpret the results of the market analysis and surveys for the Project to provide an appropriate basis for the customer attachment forecasts filed in support of the application. The OEB confirmed on March 3, 2023, that they will continue to hold the application in abeyance until June 30, 2023.

The purpose of this letter is to inform you that Enbridge Gas is proposing to file an updated application with the OEB no later than June 30, 2023, seeking an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities for which the Company is seeking OEB approval consists of the aforementioned Supply Lateral and Eastern Reinforcement; however, the Eastern Reinforcement has since been reduced

[1]The OEB Released the 8th Edition of the Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario in March 2023, after the initiation, consultation and finalization of the Bobcaygeon Community Expansion Project and associated Environmental Report.

Stantec

Stantec Consulting Ltd.
100-300 Hagey Boulevard, Waterloo ON N2L 0A4

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to approximately 8 km of NPS 6-inch XHP ST natural gas pipeline. There is no change to the proposed Supply Lateral. Please see the attachment (Figure 1) for the updated map of the Project.

Stantec has reviewed the updated Project scope, as outlined above, in comparison to the information presented in the 2021 Environment Report and have determined that the updated Project scope is sufficiently covered in the Environmental Report, and that no adjustments or revisions to the Environmental Report are necessary.

If you have questions or comments regarding the Bobcaygeon Community Expansion Project, please do not hesitate to contact the undersigned.

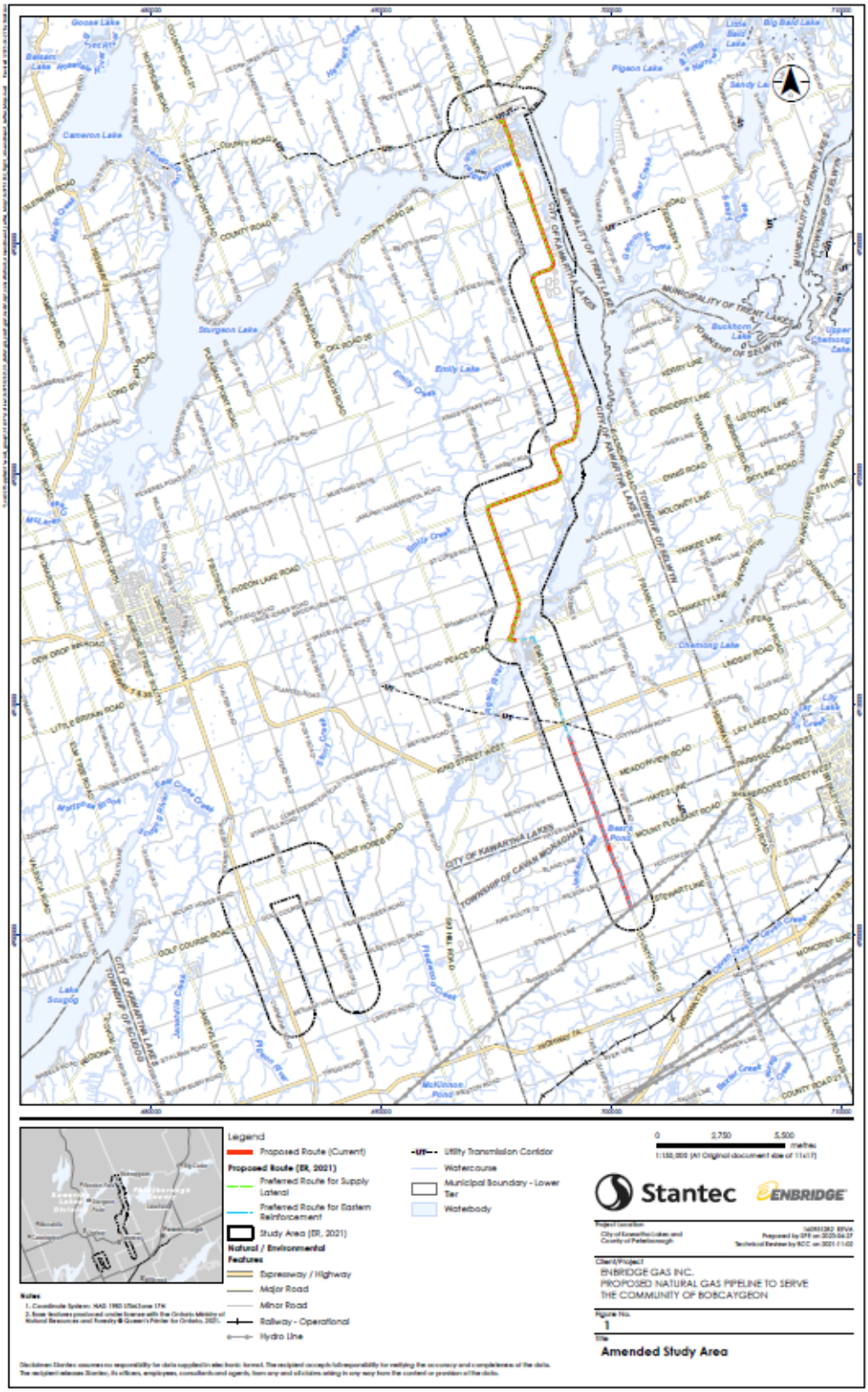
Yours truly,

Emily Hartwig
Stantec Consulting Ltd.
Environmental Consultant
Phone: 519 585 3849
BobcaygeonEA@stantec.com

Attachment: Figure 1 – Amended Study Area

c. Sarah Kingdon-Benson, Senior Advisor, Environment, Enbridge Gas Inc.

[1]The OEB Released the 8th Edition of the Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario in March 2023, after the initiation, consultation and finalization of the Bobcaygeon Community Expansion Project and associated Environmental Report.


Legend
Proposed Route (Current)
Proposed Route (ER, 2021)
Preferred Route for Supply Lateral
Preferred Route for Eastern Reinforcement
Study Area (ER, 2021)
Natural / Environmental Features
Expressway / Highway
Major Road
Minor Road
Railway - Operational
Hydro Line
Utility Transmission Corridor
Watercourse
Municipal Boundary - Lower Tier
Waterbody
0 2,750 5,500 metres
Stantec
ENBRIDGE
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON
Figure No.
1
Title
Amended Study Area

Line-item attachment 5.0

From: Melanie Book <Melanie.Book@enbridge.com>

Sent: Tuesday, August 31, 2021 2:52 PM

To: Julie Kapyrka

Cc: 'kaitlinh@curvelake.ca'; francis@francischua.com; Jordon MacArthur

Subject: Project Initiation- Bobcaygeon Community Expansion Project

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Afternoon Dr. Julie,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon CommunityExpansion Project,* attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking Curve Lake First Nation's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,
Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Strategiste,
Engagement communautaire et autochtone, Ontario, Quebec et Maritimes

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—

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com400
Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

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Stantec

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August 31, 2021

Chief Emily Whetung
Curve Lake First Nation22
Winookeedaa RoadCurve
Lake K0L 1R0

Dear Chief Whetung,

Reference: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Study Commencement and Virtual Open House

I am writing to advise you of an upcoming gas pipeline project in the Bobcaygeon area, in the Williams Treaties Traditional Territory. Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of upto approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.

The proposed Project is divided into two components: the Supply Lateral, and the Reinforcement, each ofwhich have two (2) routes being considered. For the Supply Lateral, both routes will start near Cowan's Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channel. An alternate route is being considered which has a minor deviation east alongTraceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon LakeRoad. For the Reinforcement, both route options require the reinforcement portion which starts near the intersection of Marina St. and Peace Road, travels east on Peace Road and south on Emily Park Road toStewarts Line where it will end. An additional reinforcement pipeline is required on Highway 35 between Bethany Hills Road and Mt Horeb Rd, with an alternate route along Mt Horeb Road and St. Marys Road, ending at Bethany Hills Road.

The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential forTemporary Working Space (TWS).

For further details, please refer to the attached map.

As part of the planning process, Enbridge Gas has retained Stantec Consulting Ltd. (Stantec) to undertakean Environmental Study for the Project. The Environmental Study will fulfill the requirements of the OntarioEnergy Board's (OEB) *"Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)"*.

An Environmental Report, summarizing the results of the Environmental Study, will accompany Enbridge Gas' application to the OEB as part of their Leave to Construct application. It is anticipated that the Environmental Report for the study will be completed in Winter 2021. The OEB's review and approval is required before the proposed Project can proceed. If approved, construction is currently anticipated to beginin early 2023.

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Stantec is presently compiling an environmental, socio-economic, and archaeological/cultural heritage inventory of the Study Area. As an Indigenous community with a potential interest in the Study Area, we areinviting Curve Lake First Nation to provide comments and feedback regarding the proposed Project.

Specifically, we are seeking information about areas that may be culturally significant to your community inthe study area and information about potential effects that the Project may have on asserted or establishedAboriginal and treaty rights, and any measures for mitigating those adverse impacts.

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As part of the Environmental Study, Enbridge Gas is also in the process of contacting the followingagencies:

- Indigenous and Northern Affairs Canada; and
- Ontario Ministry of Indigenous Relations and Reconciliation.

As a result of the physical distancing requirements set out by the Province of Ontario due to COVID-19, aVirtual Open House will be held in place of an in-person Open House.

The Virtual Open House will be available for two weeks starting on **September 13, 2021** and finishingon **September 27, 2021,** at www.solutions.ca/BobcaygeonEA

A questionnaire will be available as part of the Virtual Open House, and you will have the ability tosubmit comments and/or questions about the proposed Project. In addition, a copy of the Virtual Open House story boards will be available on the Enbridge Gas project website at:
https://www.Enbridgegas.com/BobcaygeonProject

Enbridge Gas is committed to meaningful engagement with Indigenous communities. As such, we would beinterested in holding a conference call with Curve Lake First Nation to share project related information, should you wish. If you have any questions, would like to provide feedback, share knowledge, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with Curve Lake First Nation to ensure your interests are being considered and represented.

We kindly request that any initial input and comments regarding the Project are provided by your community by **October 12, 2021**. Please let us know if you are unable to respond by this date butareinterested in participating in the consultation process for the Project.

If you have questions or concerns regarding the Bobcaygeon Community Expansion Project, please do nothesitate to contact me directly.

Regards,

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes

PH: 613-784-6814

Melanie.book@enbridge.com

Attachment: Figure 1 – Study Area Map

Line-item attachment 5.1

Sent: Thursday, September 16, 2021 2:15 PM

To: Julie Kapyrka

Cc: 'kaitlinh@curvelake.ca'; francis@francischua.com; Matthew Chegahno

Subject: Virtual Open House- Bobcaygeon Community Expansion Project

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Good Afternoon Dr. Julie,

I hope this email finds you well, as always.

I'm writing to you today to notify you that the Virtual Open House (VOH) for Enbridge Gas' Bobcaygeon Community Expansion Project is now live and underway. Please feel free to click here to access the VOH - I think you'll find that it has lots of rich information, including a project map, project overview, the process behind the environmental study, as well as a section on next steps. I'd like to kindly invite you, and anyone else in your community that may be interested, to have a look around the website to learn more about the Project.

If you have any questions or feedback on the project, or just want to speak with me directly about it, please do not hesitate to contact me and I will be sure to schedule some time for us.

Thanks in advance,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Strategiste,
Engagement communautaire et autochtone, Ontario, Quebec et Maritimes

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CELL: 613-355-6561 | melanie.book@enbridge.com400
Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

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Line-item attachment 5.3

From: Kaitlin Hill <KaitlinH@curvelake.ca>
Sent: Wednesday, October 13, 2021 4:17 PM
To: Melanie Book <Melanie.Book@enbridge.com>
Cc: Julie Kapyrka <JulieK@curvelake.ca>
Subject: [External] Bobcaygeon Community Expansion Project

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Aaniin Melanie,

I hope you are doing well and had a good thanks giving. Please find attached a letter from Curve Lake in regard to theproposed Bobcaygeon Community Expansion Project.

Miigwech,
Kaitlin H.

Kaitlin Hill

Lands and Resources Consultation Liaison
Curve Lake First Nation

Government Services Building

22 Winookeeda Street, Curve Lake, ON K0L 1R0
P: 705.657.8045 ext 222 F: 705.657.8708

W: http://secure-web.cisco.com/1oKoMOoilUe1VkCFAszWwdq5zfGT6PlghWAtKCDbXEV4zWzZHLuGtKNWGl67aHEuIglo63Hsbk9xhF8TTlLAa89lPQXel5G7qmzQxQlUjVziuZqQtTm485lQVJtRBQjmsunI1KSQAuH2G3tVlMgwQOWb7ZSazBSaEU0JtxC7qI76VUBB1R0zzK4TPQOyOS_SDtpJOd0-

hY2sNOcsSiT0M4zXyjAc5Df1l4_52z1E5Kae_APqqRVLXkxlGCJ1bvtkYZsPvlYdfvZmGEDUrJ2FyRD-X0P5lOvWxKvYgo4B80tud97kBDBZjBtzXsD55_KBu/http%3A%2F%2Fwww.curvelakefirstnation.ca
E: KaitlinH@curvelake.ca

Government Services Building
22 Winookeedaa Road
Curve Lake, Ontario K0L1R0

Phone: 705.657.8045
Fax: 705.657.8708
www.curvelakefirstnation.ca

September 28 , 2021
VIA E-MAIL

Melanie Book
Strategist, Community &
IndigenousEngagement, Ontario,
Quebec and Maritimes
PH: 613-784-6814
Melanie.book@enbridge.com

RE: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project

Dear Melanie Book,

I would like to acknowledge receipt of correspondence, which was received on September 1st 2021, regarding the above noted project. As you may be aware, the area in which your project is proposed is situated within the Traditional Territory of Curve Lake First Nation. Our First Nation's Territory is incorporated within the Williams Treaties Territory and was the subject of a claim under Canada's Specific Claims Policy, which has now been settled. All 7 First Nations within the Williams Treaties have had their harvesting rights legally re-affirmed and recognized through this settlement.

Curve Lake First Nation is requiring a File Fee for this project in the amount of $[redacted] as outlined in our *Consultation and Accommodation Standards*. This Fee includes project updates as well as review of standard material and project overviews. Depending on the amount of documents to be reviewed by the Consultation Department, additional fees may apply. **Please make this payment to Curve Lake First Nation Consultation Department and please indicate the project name or number on the cheque.**

If you do not have a copy of *Curve Lake First Nation's Consultation and Accommodation Standards* they are available at https://www.curvelakefirstnation.ca/services-departments/lands-rights-resources/ consultation/. Hard copies are available upon request.

Based on the information that you have provided us with respect to the proposed Bobcaygeon Community Expansion Project, Curve Lake First Nation may require a Special Consultation Framework for this project. Information on this Framework can be found on page 9 of our *Consultation and Accommodation Standards* document.

In order to assist us in providing you with timely input, it would be appreciated if you could provide a summary statement indicating how the project will address the following areas that are of concern to our First Nation within our Traditional and Treaty Territory: possible environmental impact to our drinking water; endangerment to fish and wild game; impact on Aboriginal heritage and cultural values; and to endangered species; lands; savannas etc.

Government Services Building
22 Winookeedaa Road
Curve Lake, Ontario K0L1R0

Phone: 705.657.8045
Fax: 705.657.8708
www.curvelakefirstnation.ca

After the information is reviewed it is expected that you or a representative will be in contact to make arrangements to discuss this matter in more detail and possibly set up a date and time to meet with Curve Lake First Nation in person (or virtually).

Although we have not conducted exhaustive research nor have we the resources to do so, there may be the presence of burial or archaeological sites in your proposed project area. Please note, that we have particular concern for the remains of our ancestors. Should excavation unearth bones, remains, or other such evidence of a native burial site or any other archaeological findings, we must be notified without delay. In the case of a burial site, Council reminds you of your obligations under the *Cemeteries Act* to notify the nearest First Nation Government or other community of Aboriginal people which is willing to act as a representative and whose members have a close cultural affinity tothe interred person. As I am sure you are aware, the regulations further state that the representative isneeded before the remains and associated artifacts can be removed. Should such a find occur, we request that you contact our First Nation immediately.

Furthermore, Curve Lake First Nation also has available, trained Cultural Heritage Liaisons who are able to actively participate in the archaeological assessment process as a member of a field crew, the cost of which will be borne by the proponent. **Curve Lake First Nation expects engagement at Stage 1 of an archaeological assessment** so that we may include Indigenous Knowledge of the land in the process. We insist that at least one of our Cultural Heritage Liaisons be involved in any Stage 2-4 assessments, including test pitting, and/or pedestrian surveys to full excavation.

Although we may not always have representation at all stakeholder meetings, as rights holders', it is our wish to be kept apprised throughout all phases of this project. Please note that this letter does not constitute consultation, but it does represent the initial engagement process.

Should you have further questions or if you wish to hire a Liaison for a project, please contact Julie Kapyrka or Kaitlin Hill, Lands and Resources Consultation Liaisons, at 705-657-8045 or via email at JulieK@Curvelake.ca and KaitlinH@Curvelake.ca .

Yours sincerely,

Chief Emily Whetung
Curve Lake First Nation

Line-item attachment 5.5

From: Matthew Chegahno <matthew.chegahno@enbridge.com>

Sent: Friday, October 22, 202111:55 AM

To: JulieK@curvelake.ca; francis@francischua.com; kaitlinh@curvelake.ca; JordonM@curvelake.ca

Cc: Melanie Book

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

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Good afternoon Dr. Julie,

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

Stage 1:

Enbridge had a Stage 1 AA completed for a portion of the proposed project in 2006 (report attached), which has been accepted into the MHSTCI's archaeological register and confirmed by Stantec with the MHSTCI that the report could be grandfathered in for Phase One of this proposed project. As always, should your community have any additional insight into this area, we always appreciate the opportunity to proactively incorporate shared knowledge, in future reports.

An additional Stage 1 AA is being conducted for the Reinforcement section (Phase 2) of the pipeline as well as an additional buffer zone outside of the municipal right-of-way for the Supply Lateral to account for potential Temporary Working Space. Any supplementary draft Stage 1 Reports, for other phases of the proposed project, will be shared with your community for review, once prepared.

Stage 2:

Based on the results of the 2006 Stage 1 AA desktop review, a Stage 2 AA will be required along specific areas of the preferred pipeline route. Please note that this Stage 2 AA is related specifically to Phase One of the proposed project (see map attached), the Stage Two field work is planned for the following dates.

Proposed start date: November 16, 2021

Proposed end date: November 18, 2021

Please take time to review this information and advise if your community is interested in participating in this monitoring work. I would also kindly ask you to indicate whether you would like to be included in-person or virtually.

If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.Thanks in

advance and have a great weekend,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

Line-Item attachment 5.9

From: Matthew Chegahno <matthew.chegahno@enbridge.com>

Sent: Thursday, November 4, 20218:01AM

To: Kaitlin Hill; JulieK@curvelake.ca

Cc: Melanie Book

Subject: RE: Bobcaygeon Community Expansion Project

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning Kaitlin,

Further to below, please find attached a summary response letter prepared by Enbridge Inc. in regard to Curve Lake FirstNation's initial inquiries into the proposed *Bobcaygeon Community Expansion Project*. I hope this information is of use to the community and I would welcome a discussion to help provide any further detail that may be requested.

I look forward to continuing to work with you, on behalf of Curve Lake, on this matter.Take good

care,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com603
Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

Matthew Chegahno
Advisor, Community & Indigenous Engagement
Eastern Region Operations

Enbridge
603 Kumpf Drive
Waterloo, ON N2J 4A4

Thursday, November 4, 2021
VIA E-MAIL

Chief Emily Whetung
Curve Lake First Nation
22 Winookeedaa Road
Curve Lake, ON
K0L 1R0

RE: INITIAL SUMMARY STATEMENT – BOBCAYGEON COMMUNITY EXPANSION PROJECT

Dear Chief Emily Whetung,

I wanted to follow-up on the project initiation for the *Bobcaygeon Community Expansion Project* and provide a general summary of the Project, potential impacts, and mitigations.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS). Additional ancillary facilities to provide gas to the community of Bobcaygeon and area are proposed and contained within the study area in the provided map.

In response to Curve Lake First Nation's (CLFN) initial inquiry surrounding potential projects impacts, please find information on the following areas of interest.

1) **Drinking Water** – No impacts are anticipated to drinking water as the installation depth of natural gas pipelines ranges from 0.9m to 1.2m (and up to 2.5m for Horizontal Directional Drilling (HDD) under watercourse crossings); however, the draft Environmental Assessment Report will identify if there is a need for a water well monitoring program on individual wells in the vicinity of the chosenpipeline route.

2) **Endangerment to fish and wild game** – HDD is the chosen method for watercourse crossings. TheDepartment of Fisheries and Oceans' Measures to Protect Fish and Fish Habitat, as well as other Best Management Practices, will be used during work in vicinity of watercourses or when utilizing HDD under watercourses. As the pipeline will be mainly within existing municipal right-of-way, there are no impacts to wildlife/wild game anticipated.

3) **Impact on Aboriginal heritage and cultural values** – As part of the Environmental Report (ER), screening for built heritage resources and cultural heritage landscapes in the vicinity of the pipelinewill be conducted, using the MHSTCI's document, 'Criteria for Evaluating Potential for Built HeritageResources and Cultural Heritage Landscapes' and preliminary mitigation measures will be developed. If built heritage or cultural landscape features are identified based on this document, further studies may be completed to evaluate the features and propose additional mitigation measures, as required. The proposed project had a Stage 1 Archaeological Assessment completed

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back in 2006, which has been accepted into the MHSTCI's archaeological register and confirmed by Stantec with the MHSTCI that the report would be grandfathered for the Project. This report was provided to the community for reference on Friday, October 22, 2021. Based on the results of the 2006 Stage 1 Archaeological Assessment, a Stage 2 Archaeological Assessment will be required alongspecific areas of the preferred pipeline route. Enbridge plans to commence some of this Stage 2 work on November 16, 2021; of which, the community has been invited to participate in either in- person or virtually.

An additional Stage 1 is being conducted for the Reinforcement section of the pipeline as well as an additional buffer zone outside of the municipal right-of-way for the Supply Lateral to account for potential TWS. This draft Stage 1 Report will be shared with Curve Lake First Nation for review and comment prior to submission to the MHSTCI.

Regarding specific Aboriginal heritage and cultural values, Enbridge welcomes Curve Lake's expertiseon identifying potential Aboriginal heritage and cultural values in the proposed project footprint.

4) **Endangered species** – As the proposed pipeline will be mainly installed within existing municipal right-of-way, impacts to Species at risk are not anticipated and mitigation measures will be implemented that will avoid potential impacts. Mitigation measures for Species at risk will be notedin the ER and the need for further consultation with the Ministry of Environment, Conservation and Parks is currently being evaluated.

5) **Lands; savannas etc.** – As the proposed pipeline will be mainly installed within existing municipalright-of-way, impacts to these features are not anticipated.

6) **Indigenous burial or archaeological sites in the proposed project area** – As part of the preparationof the draft Environmental Assessment Report, a Stage 1 Archaeological Assessment will be conducted. This assessment, along with Curve Lake's knowledge of the area, will help to determinethe presence of archaeological sites or Indigenous burial grounds.

As it relates to archaeological interests, once the additional Stage 1 assessment is completed, we will be providing a draft archaeology report for Curve Lake's review and comment, which will have detailed information on any archaeological sites or Indigenous burial grounds identified in Ministry databases. We would appreciate any additional knowledge or insight Curve Lake could share regarding areas thatmay be identified in these assessments. Further, should additional assessments be recommended, wewould welcome the participation and the shared knowledge of the community in this work.

Enbridge is committed to keeping interested Indigenous communities engaged in archaeological workrelated to Enbridge projects. As such, we are committed to ongoing engagement with the CLFN Consultation Office on archaeological potential in the proposed project footprint and providing timelynotifications of any discoveries.

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Matthew Chegahno
Advisor, Community & Indigenous Engagement
Eastern Region Operations

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603 Kumpf Drive
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Similarly, we will engage the community in environmental mitigation discussions once the scope of the project is better defined. Feedback from Indigenous communities and organizations received during theenvironmental study phase, shapes the draft ER which is provided to the community for review and comment. Enbridge would welcome the opportunity to further build our understanding of Curve Lake First Nation's environmental priorities related to this important area.

As always, Enbridge recognizes that consultation is ongoing. As such, we continue to be interested in understanding, and working collaboratively to mitigate, the impacts this Project may have on Aboriginaland/or Treaty Rights.

Should you have capacity needs or fees associated with your participation in and review of this project,please produce invoices for the work. The correct **billing address** for invoices associated with the proposed *Bobcaygeon Community Expansion Project* is below and invoices must have the following information:

- Full Legal Enbridge Company Name: **Enbridge Gas Inc.**
- Project Number: 20022132 (Supply Lateral) & 20022136 (Reinforcement)
- Supplier Name and Remittance Address – Your complete company name, remit-to address andcurrent contact information (email preferred)
- Invoice Date
- Invoice Number – must be unique
- Total amount due – including currency
- Description of Goods or Services – including all supporting documentation
- Enbridge Invoicing Contact Name – Ashley Crites (Project Manager) and Matthew

Chegahno (cc)Billing Address

Ashley Crites (Project Manager)
Enbridge Gas Inc.

101 Honda Blvd, Markham, Ontario L6C 0M6

Attn: Bobcaygeon Project (Project #20022132 / 20022136)

CC: Matthew Chegahno (Advisor, Community & Indigenous Engagement)

Please advise if you require additional information on the topics discussed above and do not hesitate to contact me should you have any additional questions on the Project.

Chi-miigwetch,



Matthew Chegahno

Advisor, Community & Indigenous Engagement
Eastern Region Operations
Enbridge Inc.

Line-item attachment 5.15

Sent: Monday, November 22, 2021 9:52 AM
To: Jordon MacArthur
Cc: Melanie Book

Subject: Final Update for Bobcaygeon Phase 1 Stage 2 AA Fieldwork + Link for Picture Download

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know thecontent is safe.

Hi there Jordon,

I hope this note finds you well at the start of what will hopefully be a great week.

I wanted to provide a final update for the Bobcaygeon Phase 1 Stage 2 AA field work which was completed last week. Pert he Field Supervisor, Lucas Hillcoat, activities at the site were concluded on Wednesday, November 17 by the end of thed ay.

I have included a link below to a sample of photos that were taken over the duration of the two-day AA fieldwork – Pleasen ote that photos 8003-8033 are from Tuesday, November 16 and photos 8054-8074 are from Wednesday, November 17. **Login Information**
Browser link: https://tmpsftp.stantec.com

FTP Client Hostname: tmpsftp.stantec.com **Port:** 22 (can be used within an FTP client to view and transfer files and folders; e.g., FileZilla)

Login name: s1206074634

Password: 4802884
Disk Quota: 5GB
Expiry Date: 12/6/2021

If you have any questions, please do not hesitate to respond back to me and I will work to make sure you get the appropriate answer(s).

Chi-miigwetch,
Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Line-Item attachment 5.17

From: Matthew Chegahno <matthew.chegahno@enbridge.com>
Sent: Friday, December 3, 2021 4:24 PM
To: Julie Kapyrka; Francis M. Chua; Kaitlin Hill; Jordon MacArthur
Cc: Melanie Book

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good evening Dr. Julie,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite Curve Lake First Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

In the link below please find a copy of the draft ER for the Project.

www.enbridgegas.com/bobcaygeonproject

I would kindly ask that the community returns to me any comments or feedback on the draft ER for the Project ***by no later than January 17, 2022,***.

Please be reminded that your community's review and comments are valued and will be used to help shape the approach for this project. If you have any issues with the link or questions about the report, please do not hesitate to contact me and I will work to have your inquiry resolved.

Chi-miigwetch in advance for your time and attention on this matter.

Matt

Matthew Chegahno
Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

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Line-item attachment 5.23

From: Francis M. Chua <francis@francischua.com>
Sent: Monday, January 17, 2022 5:32 PM
To: Matthew Chegahno <matthew.chegahno@enbridge.com>
Cc: Emily Whetung <EmilyW@curvelake.ca>; Katie Young-Haddlesey <KatieYH@curvelake.ca>; JulieKapyrka <JulieK@curvelake.ca>; Kaitlin Hill <KaitlinH@curvelake.ca>; Jordon MacArthur <JordonM@curvelake.ca>; Gary Pritchard <gpritchard@4directionsconservation.com>; Kayla Wright <kayla@francischua.com>
Subject: [External] CLFN Response: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project DraftEnvironmental Report Review

CAUTION: EXTERNAL EMAIL

This email originated from outside Enbridge and could be a phish. Criminals can pretend to be anyone. Do not interact with the email unless you are 100% certain it is legitimate. Report any

Hi Matthew,

Please find attached the CLFN response to this project.

Thanks for offering an extension to the deadline. Perhaps another time!

Have a great evening.

Sincerely, Francis Chua

Support to Curve Lake First Nation Consultation Department519-375-6749

Government Services Building
22 Winookeedaa Road
Curve Lake, Ontario K0L1R0

Phone: 705.657.8045
Fax: 705.657.8708
www.curvelakefirstnation.ca

January 17, 2022

Matthew Chegahno
Advisor, Community & Indigenous Engagement
Enbridge Inc.
Matthew.chegahno@enbridge.com
519-502-3570

CC: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project Team

Delivered by Email

Dear Mr. Chegahno,

RE: CLFN's Review of Bobcaygeon Community Expansion Project Draft Environmental Report

On behalf of our Consultation Department at Curve Lake First Nation (CLFN), we are writing to provide the Environmental Report review for the Bobcaygeon Community Expansion project:

- *Bobcaygeon Community Expansion Project: Environmental Report. Prepared by: Stantec Consulting Inc. Prepared for Enbridge Gas Inc. December 2021. 732 pages.*

Our Consultation Department has accepted the review and recommendations provided by Gary Pritchard, Principal, Indigenous Conservation Ecologist, 4 Directions of Conservation Consulting Services. Please refer to Appendix for details on the review of the Draft Environmental Report including recommendations.

Our Consultation Department has emphasized that environmental protection and sustainability is an integral component of the future of the Curve Lake First Nation. Working with Curve Lake to develop project concept, design, planning, assessment, potential and actual impacts, monitoring, etc. are necessary steps in our process. All plans and activities must be viewed through the lens of environmental protection and sustainability. These requirements ensure that Curve Lake First Nation's interests and rights are being protected within our territory; that we are able to protect the ability to exercise our rights as a people – physically, culturally, and spiritually; that we are able to foster sovereignty, cultural identity, and sustainable succession. This is central to all relationships being progressed with various regulators and proponents.

Curve Lake First Nation is the steward and caretaker of the lands and waters within our territory in perpetuity, as we have been for thousands of years, and we have an obligation to continue to steadfastly maintain this responsibility to ensure their health and integrity for generations to come. Protection, conservation, and sustainable collaborative management are priorities for Curve Lake First Nation.

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Curve Lake's vision statement must be central to development in the territory: "Upon the foundation of community values and vision that promotes and preserves our relationship with mother earth, which has defined and will continue to define our identity and culture as Anishnaabe People, the Consultation Department will build and secure the framework for our First Nation lands by putting into place ways and laws that will provide both the protection and the freedom for each person, their family, and the whole community to fulfill their potential. Each way and law will be given the consideration to its importance for our next seven generations."

We thank you, your team, and Enbridge for working with us to understand and incorporate our comments into this Project. We thank you for providing us with capacity to do these reviews. We look forward to continuing our relationship building effort over the coming years.

We do this work to uphold our responsibilities to care for the earth and waters, for our people, our nation, and for all our relations. Our foundational belief is balance; our values and principles are built upon the respect, care, and nurturing of all life as part of an interconnected whole and necessary for the balance and harmony required for Mino-Bimaadiziwin now and for future generations.

Sincerely,

Francis Chua
Support to CLFN Consultation Department

On behalf of Dr. Julie Kapyrka and Kaitlin Hill, Lands & Resources Consultation Liaisons, CLFN

cc:

Chief Emily Whetung, Curve Lake First Nation
Katie Young-Haddlesey, Chief Operating Officer, CLFN
Julie Kapyrka, Lands & Resources Consultation Liaison, CLFN
Kaitlin Hill, Lands & Resources Consultation Liaison, CLFN
Gary Pritchard, Principal, Indigenous Conservation Ecologist, 4 Directions of Conservation Consulting Services

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Appendix A Review and Recommendations for the Bobcaygeon Community Expansion Project: Draft Environmental Report

January 14, 2022

Attn: **Julie Kapyrka**
Consultation Department
Curve Lake First Nation
22 Winookeeda Road,
Curve Lake ON K0L1R0
P: (705) 657-8045

CC: **Francis Chua**

RE: Enbridge ~ Bobcaygeon Community Expansion Project, Environmental Report-Indigenous Input and Review

Dear Dr. Kapyrka,

4 Directions is pleased to present to you, our review and recommendations of the document provided by Stantec Consulting Ltd. (Stantec) to Curve Lake First Nation (CLFN) on behalf of the Enbridge Gas Inc. (Enbridge) as part of their regulatory consultation obligations and permitting process for the Bobcaygeon Community Expansion Project.

The report received is entitled:

Bobcaygeon Community Expansion Project: Environmental Report. Prepared by: Stantec Consulting Inc. Prepared for Enbridge Gas Inc. December 2021. 732 pages.

The focused attention of this review and commenting, 4 Directions will be examining or asking questions on items or references with greatest potential to create impacts to Indigenous Rights and Title. Comments will be divided amongst 5 sections:

I. General Questions or Comments to Issues Raised within the Context of Reporting,
II. Indigenous Worldview and Cultural Representation,
III. Technical Accuracy within the Approach,
IV. Concerns From Site Visit and
V. Outcomes and Recommendations.

1. General Questions or Issues Raised within the Context of Reporting

The report provided by Stantec on behalf of Enbridge to CLFN was to the standards from a Settler or Western Science ideology required under the Ontario Energy Board's (OEB) Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (7th Edition). However, this method of evaluation does not protect cultural values or Indigenous Rights on the landscape.

Question: If looking at meeting the requirements through a federal and provincial guideline and regulation perspective; then why are not the Treaty and Indigenous Rights examined during the jurisdiction scanning process of compliance?

Statement: In Section 2.2- Identifying *Interested and Potentially Affected Parties*. It is interesting to observe the level of colonialism that Stantec employs within the context of their reporting corporately. When talking about

rights affected peoples, First Nations and other Indigenous communities should supersede Municipal, Residential, and other special interests' groups. Their rightful placement of the Indigenous community is ahead of Federal and Provincial levels of governments. This is justified from the treaty making process, without this process then all other levels of Settler governance would simply not exist. This further exemplifies the need of contractors working on behalf of proponents in CLFN territory to undergo mandatory Cross Cultural Awareness Training lead by the First Nations.

2. Indigenous Worldview and Cultural Representation

There were no Indigenous worldviews or knowledge systems in the creation of the environmental reports.

Question: During Phase I: Inventory and Mapping of Existing Conditions within the Study Area, when discussing with relevant agencies and municipalities why was the signatories of the treaty not included in the preliminary conversation regarding the existing conditions or examination of local features?

Action Item: Given the approximation to CLFN, a detailed Indigenous knowledge study is required to protect the cultural identity of the landscape. This should **have been completed** prior to any environmental field investigations since based on 4 Directions' knowledge of the area the proposed works has the potential to disrupt cultural keystone species such as a variety of nesting raptors, spawning fish populations, cold-water resident fish populations and species at risk.

Action Item: Additional environmental studies may be required after the completion of the Indigenous knowledge study. Inadvertently, further offsetting or compensation may be required to CLFN to reverse the alteration or limitation of harvesting rights to the area by the proposed construction or site alterations.

Statement: When reviewing the large number of provincial and federal agencies permitting approvals required for this proposed scope of work, Enbridge and its consultants need to be made aware that each of these components have Duty to Consult and Consent phase to the permitting process with the local Indigenous community. Thus, it is in the best interest of Enbridge to work with CLFN to establish a Community Environmental Action Plan to satisfy community interests, evaluate environmental constraints through Indigenous Rights perspective and satisfy a preliminary basis of Duty to Consult prior to meeting with the regulators and not delay the timeline of project initiation and completion.
It should be known that the Michi Saagiig did not sign away the rights to water within this area, thus Settlers will need to get consent to any of the proposed activities prior to regulator application. Failure to do so will be a direct violation to the rights both Inherent and Treaty of CLFN, the signatories of the Treaty and Section 35 of the Canadian Constitution.

Action Item: Several tributaries of the Pigeon River, Emily Creek, and Sturgeon Lake have small but active has been brooks trout fisheries that have been observed in spring and fall fisheries data collected by CLFN and the MNRF (now MNDMNRF)-Kawartha Lakes Fisheries Assessment Unit. Further exploratory sampling should be conducted to evaluate all tributaries of potentially impacted tributaries. This is further evident from some of the species identified in the background review provided by Stantec, with the MNRF data showing cold-water species with no positive identification. Brook trout and other cold-water habitats are becoming increasingly rare in Michi Saagiig territory and this is a direct result of Settler occupation.

Jackson Creek headwaters and tributaries is another system where CLFN members historically harvested brook trout.

30 Moir Cres, Barrie ON L4N8B6
(p): (705) 220-1952
(e): gpritchard@4directionsconservation.com

3. **Technical Accuracy with the Approach**

a) It is in agreeance with the MECP that further study is required, and protection awarded to the 11 species at risk identified within the study area regardless of the perceived rational of occurrence or optimal habitats.

- It is important for Western practitioners to know, *"even though the probability of occurrence is low for a species at risk, further examination should be completed to rule out its occurrence or use of the site. By this western logic, all animals or living beings only occupy high quality, optimal habitats. Then why is this not observed in human populations? If this was the case, there would be no homeless and we would all live in large upscale homes. " (Gary Pritchard- lecture: Indigenous ways of Knowing.)*
  By using a justification of probability, it allows Western science the ability to justify environmental degradation and destruction.

Action Item: To avoid impact to species at risk through Indigenous community participation, study and an understanding at the natural environment at a sub-watershed level.

b) It is in agreeance with MECP that both ground water sand surface water sources, especially those which are areas of source water protection are of great concern in this project.

Action Item: Create a comprehensive monitoring plan for pre and post construction conditions with Indigenous participation.

c) Pigeon Lake and all its relations is not only of high historical value to the members of CLFN, but also a place where they continue to this day exercise their Inherent Rights to the landscape. Any alteration or impact to this area will impact their ability to continue their cultural traditions.

Action Item: Enbridge and CLFN must develop an Environmental Monitoring Plan that suits the needs of CLFN to ensure cultural longevity during and post construction of this project. Some of the items lacking from this environmental report should be included such as but not limited to:

- Indigenous Areas of Use,
- Critical season use of all species,
- Critical habitat of all species,
- Emphasis on Cultural Keystone Species,
- and a Projects Cumulative Impact to an Area (sub-watershed level).

Question: CLFN has concerns about local deer populations and their habitat throughout Treaty 20. Has the site been looked at from a deer habitat suitability index or the impact to their habitat? Has Enbridge looked at how this operation or noise from operation could affect the seasonal harvest of deer populations within this area? Further discussion is needed on this topic since harvest numbers (by both the Indigenous and Settler community) members are experiencing low harvest rates in this area.

Statement: Designs, project implementations or milestones must account for Indigenous harvesting Rights within the identified features of value. The project schedule will be delineated by Indigenous people and their cultural identity and not solely on Settler based construction timing windows.

Statement: Even though there is no Aquatic Species at Risk present within the study area, there needs to be the examination of regionally rare species or habitats added to this background review. Even though a species population is stable elsewhere in Ontario, there is cultural and community protocols that the Indigenous peoples have followed for countless generations and adhere to prior to harvesting outside their territory or jurisdiction. Thus it is imperative to ensure there is no to minimal impacts to the local ecology in their territory. It should be communicated to Enbridge that Indigenous peoples do not harvest so freely outside of their territory with

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(p): (705) 220-1952
(e): gpritchard@4directionsconservation.com

permission of the Rights Holders of that area, this is a practice not observed in the Settler community. Thus furthering the ideology of Settlers taking from the land what and whenever they want and not what they need.

Statement: All wetlands identified within the 120 m right of way have a cultural significance and are granted protections through the treaty making process. This can also be said for any of the hardwood forests stands that have sugar maple (Acer saccharum), American beech (Fagus grandifolia), white ash (Fraxinus americana), eastern hemlock (Tsuga Canadensis), green ash (Fraxinus pennsylvanica), red maple (Acer rubrum), eastern white cedar (Thuja occidentalis), yellow birch (Betula alleghaniensis), balsam fir (Abies balsamea), and black ash (Fraxinus nigra).

Statement: Enbridge should be made aware that all the identified terrestrial species of conservation concern and species at risk have been overserved within the study area right of way. A method to detect their presence may be require outside of site visitations.
Methods like camera trapping, environmental DNA, and audio recordings should be used to decrease uncertainty and human error to confirm presence absence and collect larger data sets while reducing costs.

Statement: There is no statement of Indigenous land use through the creation of Stantec Environmental Report when looking at other Settler based land use. This can be considered as an additional act of colonialism. There is no acknowledgement of the 2018 Williams Treaty Settlement, in which the community of CLFN had their Rights reaffirmed thus changing the scope and focus of Settler land use planning and occupancy.

d) Concerns from Site Visit

To date, there has not been any site visits by any members of CLFN or those who work on their behalf. It is recommended that a four-season site visit approach be undertaken to ensure species of cultural interest be explain, heard, and protected if this work is to proceed ahead.

e) Outcomes and Recommendations

It should be noted that the Michi Saagiig believe all species have a value and right to exist, not only the species at risk. This method of species and environmental management has proven to lead to a decline of species and further degrade the natural environment in their territory. The natural environment needs to be looked at from an ecosystem level or sub watershed level with the exclusion of targeted species. If the land is healthy then those who live in and with it are too.

Given that this area is highly environmentally sensitive both in species and as a bio-connectivity corridor identified both by the Community and our team, the following recommendations are made to ensure the protection of Indigenous Rights and to have good faith in the process moving forward:

1) All sections of this report need to be addressed in good faith between Enbridge and CLFN to address their (CLFN) level of environmental concern. Enbridge not only needs to communicate this to CLFN but also in a subsequential document outlining a formal response to questions, recommendations or action items arising from this peer review.
2) Oral histories and environmental protection of culturally sensitive features such as wetlands should be included within the Environmental Assessment process to ensure that the obligations of Treaty or Inherent Rights to the land are understood and adhered to under Section 35 of the Canadian Constitution.
   If this is not occurring in practice, then this is another process of colonization by wiping the Indigenous presence from the landscape.
3) Since culturally sensitive features are protected in the Treaty's signed by the Michi Saagiig then appropriate environmental buffers should be negotiated with the Rights holders and the ones who grant harm or destruction to the Rights under Section 35 of the Canadian Constitution. This may extend beyond the industry standard.

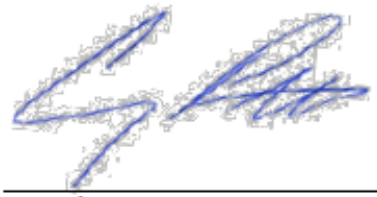
4) There will be an understanding and mitigation measures allotted to the mammal species within the project area. Such species include but not limited to the deer, beaver, mink, otter, and muskrat.
5) Site restoration design inputs with CLFN using Indigenous Knowledge Systems.
6) Black ash protection and restoration if impacted.
7) Understanding or minimizing the impacts to frog populations with emphasis on bullfrog and green frog populations since there are a traditional food source of the Michi Saagiig and are still used to this day.
8) Environmental Monitoring: If construction activities are not effectively managed to limit soil exposure or contain runoff, the mobilization and transport of water-borne sediments may result in water quality degradation, destabilization of natural occurring fluvial processes and interference with wetland and aquatic habitats. While the land development industry has taken important steps towards improving its erosion and sediment control practices, deficiencies still exist. Reoccurring problems included the lack of proper follow-through on implementation approved ESC plans, inadequate inspection and maintenance of ESC measures, illicit pumping, and failure to report sediment spills. Rapid response is important to minimize adverse impacts particularly where sensitive species and their habitat are at risk. Sensitive systems include those that support or have the potential to support species at risk and cold-water specialists such as brook trout, redside dace, Atlantic salmon, sculpin, and other cold-water species.
   CLFN objective is to ensure that any construction activity within their territory are continuously and proactively monitored that prevents harmful impacts of deleterious substance (such as sediment and silts) from getting into local receiving streams.
   Site Inspections and Ecological Construction Monitoring is a critical component of any construction project. Most site inspections focus on sediment control and may not include assessing impacts on other significant features such as wetlands, fish habitat. Monitoring Stations need to be developed and assessed based on potential pathways by which the project can induce harm to the environment. A detailed site-specific monitoring plan will need to be generate by CLFN and the proponent and then submitted to the regulatory agencies as part of the proponent's compliance monitoring and Duty to Consult.
   Examples of monitoring activities included but not limited to the following:
   - Contractor Education
   - Erosion and Sediment Control Measures
   - Long-term Natural Heritage Monitoring
     - Wetlands
     - Surface water
     - Woodlots
     - Nesting bird
     - Reptiles
     - Buffer placement
     - Groundwater
     - Stream health
     - Wildlife corridor and connectivity
9) CLFN has the right to add to this list of requirements at any time but should approached the proponent in the spirit of reconciliation.

30 Moir Cres, Barrie ON L4N8B6
(p): (705) 220-1952
(e): gpritchard@4directionsconservation.com

Closing

I trust that this review and summary of the environmental documents will help you and the proponent work collaboratively together through the next steps and the regulatory review process. If you have any questions, please do not hesitate to contact me at (705) 220-1952.

Miigwetch,



Gary Pritchard, BSc., EP., CERP.

Principal, Indigenous Conservation Ecologist
4 Directions of Conservation Consulting Services.
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Line-Item Attachment 5.28

Bobcaygeon Community Expansion Project – ENB Responses to CLFN

From: Matthew Chegahno <matthew.chegahno@enbridge.com>
Sent: Thursday, February 17, 2022 7:50 AM
To: Francis M. Chua

Cc: Emily Whetung; Katie Young-Haddlesey; Julie Kapyrka; Kaitlin Hill; Jordon MacArthur; Gary Pritchard; Kayla Wright; Melanie Green
Subject: RE: CLFN Response: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

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Francis,

A sincere miigwetch again for sending us this thoughtful review of the *Bobcaygeon Community Expansion*

Project Environmental Report on behalf of Curve Lake First Nation. Attached you will find Enbridge's responses to each ofCLFN's comments on the ER.

Enbridge understands that consultation is an ongoing process that must be meaningful. As such, I recognize that there may be the need for subsequent conversations on these matters and would invite CLFN to kindly indicate if that is the case. Melanie Green (cc'd) and I would be happy to engage in further discussions to better understand and include CLFNin the *Bobcaygeon Community Expansion Project*.

Chi-miigwetch,

Matt

Matthew Chegahno (he/him)

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

—

ENBRIDGE INC.

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Table 1: Enbridge Gas's (Enbridge) Responses to Curve Lake First Nation (CLFN) Comments		
Item	**CLFN Comment/Question/Statement/Action Item**	**Enbridge Response**
Section 1: General Questions or Issues Raised within the Context of Reporting		
1.	**Comment:** The report provided by Stantec on behalf of Enbridge to CLFN was to the standards from a Settler or Western Science ideology required under the Ontario Energy Board's (OEB) Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (7th Edition). However, this method of evaluation does not protect cultural values or Indigenous Rights on the landscape.	While these are the formal guidelines to Enbridge by the OEB, Enbridge is to incorporating Indigenous knowled cultural values, and Rights on the lar within the Bobcaygeon Community E Project ("Project") footprint into the Report. E would like to continue to work with C understand the cultural values that a important to the community and pote impacts on Rights in this area. Morec Enbridge would welcome the opportu work with CLFN to understand and b incorporate Indigenous worldviews a knowledge systems into the relevant aspects of this Project.
2.	**Question:** If looking at meeting the requirements through a federal and provincial guideline and regulation perspective; then why are not the Treaty and Indigenous Rights examined during the jurisdiction scanning process of compliance?	Enbridge acknowledges that consult Indigenous communities is ongoing. Enbridge would seek to gain a better understanding of any potentially affe Aboriginal and Treaty Rights within t Project footprint so they can be avoi mitigated, as appropriate. Given this, confirm if the community requires an further to identify any potential impac CLFN's Aboriginal or Treaty Rights and interests.
3.	**Statement:** In Section 2.2- Identifying *Interested and Potentially Affected Parties*. It is interesting to observe the level of colonialism that Stantec employs within the context of their reporting corporately. When talking about *rights* affected peoples, First Nations and other Indigenous communities should supersede Municipal, Residential, and other special interests' groups. Their rightful placement of the Indigenous community is	To this point, Enbridge has maintain degree of corporate-level Cultural Aw training. Enbridge would be receptive to explo opportunities to work alongside CLF co-develop relevant and specific cro cultural awareness training.

	ahead of Federal and Provincial levels of governments. This is justified from the treaty making process, without this process then all other levels of Settler governance would simply not exist. This further exemplifies the need of contractors working on behalf of proponents in CLFN territory to undergo mandatory Cross Cultural Awareness Training lead by the First Nations.	Additionally, contractors who do business with Enbridge must comply with all applicable policiesof EGI or its affiliate(s) including the Enbridge Inc. Statement on Business Conduct.
Section 2: Indigenous Worldview and Cultural Representation		
4.	**Comment:** There were no Indigenous worldviews or knowledge systems in the creation of the environmental reports.	See Enbridge's response to Item 1.
5.	**Question:** During Phase I: Inventory and Mapping of Existing Conditions within the Study Area, when discussing with relevant agencies and municipalities why was the signatories of the treatynot included in the preliminary conversation regarding the existing conditions or examination of local features?	Enbridge recognizes the need for and commits to ongoing consultation. As such, Enbridge continues to be interested in understanding the conditions ofthe land from viewpoint of rights holders; in this case, Curve Lake First Nation.
6.	**Action Item:** Given the approximation to CLFN, a detailed Indigenous knowledge study is required to protect the cultural identity of the landscape. This should have been completed priorto any environmental field investigations since based on 4 Directions' knowledge of the area the proposed works has the potential to disrupt cultural keystone species such as a variety ofnesting raptors, spawning fish populations, cold-water resident fish populations and species at risk.	Enbridge is interested in beginning an exploratory dialogue with CLFN on matters related to Indigenous knowledge studies. In doing so, Enbridge would seek to better understand the nature and scope of these requests and see wherecollaboration can be achieved. Enbridge will be completing additional field studies(as required), including Species at risk surveys, Butternut Health Assessments, tree inventories, breeding bird surveys, and bat exit surveys, and will be incorporating mitigation measures into the Environmental Protection Plan for the Project ("EPP"). CLFN will have opportunity to participate in these field studies, if desired.

7.	**Action Item:** Additional environmental studies may be requiredafter the completion of the Indigenous knowledge study. Inadvertently, further offsetting or compensation may berequired to CLFN to reverse the alteration or limitation of	In relation to potential Project-related impacts on Aboriginal or Treaty Rights, Enbridge continues to be interested in understanding how changes to the natural environment could impact these rights.

	harvesting rights to the area by the proposed construction or site alterations.	Enbridge is committed to continuing to engage with Curve Lake First Nation to obtain specific information regarding potential Project-related impacts on rights and how those impacts can be avoided or mitigated as appropriate.
8.	**Statement:** When reviewing the large number of provincial and federal agencies permitting approvals required for this proposed scope of work, Enbridge and its consultants need to be made aware that each of these components have Duty to Consult and Consent phase to the permitting process with the local Indigenous community. Thus, it is in the best interest of Enbridge to work with CLFN to establish a Community Environmental Action Plan to satisfy community interests, evaluate environmental constraints through Indigenous Rights perspective and satisfy a preliminary basis of Duty to Consult prior to meeting with the regulators and not delay the timeline of project initiation and completion. It should be known that the Michi Saagiig did not sign away the rights to water within this area, thus Settlers will need to get consent to any of the proposed activities prior to regulator application. Failure to do so will be a direct violation to the rights both Inherent and Treaty of CLFN, the signatories of the Treaty and Section 35 of the Canadian Constitution.	Enbridge will follow the Duty to Consult process as directed by the Crown (i.e. applicable government agencies) during the permitting process. If deemed required for the Project, CLFN will be engaged on permits that have a Duty to Consult component. Moreover, where CLFN is identified as a community with whom to engage in relation to a project or where CLFN has expressed a known interest in the permitting process, Enbridge will engage with CLFN. To that end, Enbridge would seek to better understand the nature and scope of CLFN's interest in the permitting process for this Project. Potential permits include: a Permit to Take Water (Ministry of Environment, Conservation and Parks [MECP]), an Endangered Species Act Permit (Parks Canada and MECP), a Review and Authorization under the Fisheries Act (Fisheries and Oceans Canada [DFO]), a Review and Authorization under the Navigation Protection Act (Transport Canada [TC]) and a Trent-Severn Waterway In-Water and Shoreline Work Permit under the authority of the Historic Canals Regulations pursuant to the Department of Transport Act (Parks Canada). Enbridge understands and respects that the Michi Saagiig peoples are asserting a right to water. We value Indigenous conceptions of

		water stewardshipand management, and how this knowledge can strengthen our environmental and mitigation planning. Enbridge recognizes the asserted rights of the Michi Saagiig people and would like to continue to work with CLFN to better understand best practices in water and water related mitigation approaches. As always, we remain committed to working with communities to protect the rights of Indigenous peoples.
9.	**Action Item:** Several tributaries of the Pigeon River, Emily Creek,and Sturgeon Lake have small but active has been brooks trout fisheries that have been observed in spring and fall fisheries datacollected by CLFN and the MNRF (now MNDMNRF)-Kawartha Lakes Fisheries Assessment Unit. Further exploratory sampling should be conducted to evaluate all tributaries of potentially impacted tributaries. This is further evident from some of the species identified in the background review provided by Stantec,with the MNRF data showing cold-water species with no positive identification. Brook trout and other cold-water habitats are becoming increasingly rare in Michi Saagiig territory and this is a direct result of Settler occupation.	NDMNRF and the Conservation Authorities had available fish data that were reviewed in conjunction with other online data sources during the preparation of the ER. The data permitted identification of the thermal regime for each watercourse and an assessment of sensitivity to guide mitigation recommendations. Given the sensitive nature of the local fisheries, no in-water work is proposed at any of the pipeline crossings ofwatercourses. The proposed method for pipeline water crossings (i.e., horizontal directional drilling) allows for installation of the pipe beneath the watercourse without the requirement for disturbance of the watercourse channel. Mitigationmeasures will also be applied at various crossing locations to further reduce the risk of impact. These measures include completing the work during the appropriate timing window, installationof appropriate sediment and erosion control measures (i.e., silt fencing around disturbed areas)and development of a contingency plan.

		If these measures are followed, a project of this nature is typically considered to be low risk to fish and fish habitat.
10.	**Comment:** Jackson Creek headwaters and tributaries is another system where CLFN members historically harvested brook trout.	Enbridge acknowledges the historic use of the Jackson Creek headwaters and tributaries for the harvesting of brook trout. Enbridge welcomes this shared knowledge for inclusion in the ER, if CLFN would be interested. Jackson Creek is located within the Study Area. The preferred route crosses Jackson creek once (crossing ID CRT-2) and there are three crossings of an unnamed tributary of Jackson Creek (crossing IDs CRT-1, CRT-3 and CRT-4) (Figures C-3-6 and C-3-7). The measures noted in response 9 above will be followed and as such a project of this nature is typically considered to be low risk to fish and fish habitat.
Section 3: Technical Accuracy with the Approach		
11.	**Comment:** a) It is in agreeance with the MECP that further study is required, and protection awarded to the 11 species at risk identified within the study area regardless of the perceived rational of occurrence or optimal habitats. • It is important for Western practitioners to know, "*even though the probability of occurrence is low for a species at risk, further examination should be completed to rule out its occurrence or use of the site. By this western logic, all animals or living beings only occupy high quality, optimal habitats. Then why is this not observed in human populations? If this was the case, there would be no homeless and we would all live in large upscale homes. " (Gary Pritchard- lecture: Indigenous ways of Knowing.)* By using a justification of probability, it allows Western science the ability to justify environmental degradation and destruction	Enbridge acknowledges the importance of protecting the potential Species at risk identified within the study area. Section 5.1 of the ER lists mitigation measures that are recommended for the protection of Wildlife, Habitat and Species at risk. Generally, this includes implementing a Species at risk awareness program, avoiding species-specific sensitive periods and erecting exclusion fencing (where required). The following additional field studies and mitigation measures are planned for this Project:

		1. Ecological Land Classification (ELC) will be completed for the entire preferred route prior to construction and will be presentedin a separate report. 2. In the event that tree removals arerequired: a) A tree inventory will be completed, including Butternut identification, and: b) In the event Butternut is identified – Butternut Health Assessment c) Bat entry/exit acoustic surveys 3. Implement Best Management Practices forturtles 4. Breeding bird surveys, if required. 5. Additional studies, if required. CLFN will have opportunity to participate in thesefield studies, if desired Further mitigation and protective measures basedon the results of the additional field studies and consultation with the MECP will be outlined in theEPP, which will be implemented during construction.
12.	**Action Item:** To avoid impact to species at risk through Indigenous community participation, study and an understandingat the natural environment at a sub-watershed level.	See additional studies detailed above andinvitation to participate in Comment 11. For monitoring efforts during and after construction in relation to watercourses and construction areas, please refer to the current monitoring plan within the ER. Should the community have additional recommendations

		on monitoring, Enbridge welcomes the opportunity to

		better understand CLFN's environmental priorities, suggestions, and approaches.
13.	**Comment:** b) It is in agreeance with MECP that both ground water sand surface water sources, especially those which areareas of source water protection are of great concern in this project.	Enbridge acknowledges the importance of ground water and surface water sources. Mitigation and protective measures for groundwater resources, including source water protection areas, are notedin Table 5.1 of the ER under the Groundwater Section (3.2.3) row.

14.	**Action Item:** Create a comprehensive monitoring plan for pre and post construction conditions with Indigenous participation.	Monitoring and contingency plans are noted insection 7.0 of the ER. Enbridge also conducts monitoring at 3-months and 15-months post-construction and generates the respective reports which are submitted to theOntario Energy Board (OEB) as part of Enbridge's Conditions of Approval for the Project. The scopeof these reports is to document any remaining impacts from construction, any additional restoration required to restore these areas, and any exceptional items that came up during construction of the Project. The reports also document any concerns received during construction of the Project and how Enbridge hasaddressed these concerns. For general monitoring efforts during and after construction in relation to watercourses and construction areas, please see response to item # 12. Should the community have additional recommendations on monitoring, Enbridge welcomes the opportunity to better understand CLFN's environmental priorities, suggestions andapproaches.

15.	**Comment:** c) Pigeon Lake and all its relations is not only of high historical value to the members of CLFN, but also a place where they continue to this day exercise their Inherent Rights to the landscape. Any alteration or impact to this area will impact theirability to continue their cultural traditions.	Thank you for your shared knowledge regarding traditional historical and current use of Pigeon Lake. Enbridge acknowledges the historic use andcurrent value of Pigeon Lake to CLFN. We would be happy to include this in the ER if requested by CLFN. Work is planned to be contained within the municipal ROW and therefore no impacts areanticipated with respect to Pigeon Lake. Mitigation and contingency measures for aquatic species and aquatic habitats are noted in Table 5.1 under the Aquatics Species and Habitat (Section 3.3.1) row and contingency measures for watercourse sedimentation are provided in Section 7.2.4 Watercourse Sedimentation. Moreover, Enbridge would be happy to further engage with CLFN regarding this area to understand how CLFN's Aboriginal or Treaty Rightsmay be impacted by Enbridge's ongoing development and operations in the territory, how the Project may further contribute to this impact and what may be done to avoid, offset or minimizethe impact.

16.	**Action Item:** Enbridge and CLFN must develop an EnvironmentalMonitoring Plan that suits the needs of CLFN to ensure cultural longevity during and post construction of this project. Some of the items lacking from this environmental report should be included such as but not limited to: • Indigenous Areas of Use, • Critical season use of all species, • Critical habitat of all species,	Enbridge welcomes the opportunity to betterunderstand CLFN's environmental priorities, suggestions and approaches. Enbridge will be preparing a Project-specific EPP which will include species-specific timing windows,habitat mapping, alignment sheets, etc.

	• Emphasis on Cultural Keystone Species, • and a Projects Cumulative Impact to an Area (sub-watershedlevel).	Environmental Inspection on site will be conductedto support conformity with the measures set out in the EPP.
17.	**Question:** CLFN has concerns about local deer populations and their habitat throughout Treaty 20. Has the site been looked at from a deer habitat suitability index or the impact to their habitat? Has Enbridge looked at how this operation or noise fromoperation could affect the seasonal harvest of deer populations within this area? Further discussion is needed on this topic since harvest numbers (by both the Indigenous and Settler community) members are experiencing low harvest rates in this area.	Deer wintering areas are shown on Figure C-2. Theanimal movement corridors for deer are acknowledged in Section 3.3.4.4. Animal Movement Corridors. Impacts to wildlife during construction are discussed in Table 5.1 under the Wildlife, Wildlife Habitat and Species at risk (Section 3.3.4) row. Direct impacts will be restricted to existing roadsides and short-term in duration. During operation of the pipeline, impacts are not anticipated to deer populations as temporary workareas will be revegetated and the buried pipeline isnot anticipated to provide noise or visual disturbance to wildlife. That said, Enbridge will work with the community to understand what harvesting rights are being practiced within the Project footprint, so these rights can be avoided or mitigated, as appropriate.
18.	**Statement:** Designs, project implementations or milestones mustaccount for Indigenous harvesting Rights within the identified features of value. The project schedule will be delineated by Indigenous people and their cultural identity and not solely on Settler based construction timing windows.	Enbridge would be happy to further engage with the community to understand how CLFN's Aboriginal or Treaty Rights may be impacted by theProject and what may be done to avoid, offset or minimize the impact such as avoiding construction during certain timing windows, as applicable.

19.	**Statement:** Even though there is no Aquatic Species at risk present within the study area, there needs to be the examinationof regionally rare species or habitats added to this background review. Even though a species population is stable elsewhere in Ontario, there is cultural and community protocols that the	Stantec reviewed DFO Aquatic SAR mapping and the provincial NHIC database and determined that the Study Area does not support any federally designated aquatic SAR and there are no records of provincially designated aquatic SAR within the

	Indigenous peoples have followed for countless generations and adhere to prior to harvesting outside their territory or jurisdiction. Thus it is imperative to ensure there is no to minimalimpacts to the local ecology in their territory. It should be communicated to Enbridge that Indigenous peoples do not harvest so freely outside of their territory with permission of the Rights Holders of that area, this is a practice not observed in the Settler community. Thus furthering the ideology of Settlers taking from the land what and whenever they want and not whatthey need.	Study Area. General mitigation and protective measures for aquatic species are noted in Table 5.1of the ER in the "Aquatic Species and Habitat (Section 3.3.1)" row. Ministry of Northern Development, Mines, NaturalResources and Forestry (NDMNRF) records were reviewed to determine fish species that have beenrecorded in the watersheds within the Study Area.The species present in the watersheds in the StudyArea are noted in Table 3.3 of the ER "Subwatersheds and Associated WatercourseCrossings". Aquatic SAR and SAR critical habitats are assessedand protected taking regional differences in population stability into account, rather than applying a SAR's status with a broad brush for the province or across the country. As indicated in Comment 11, additional field studies are being undertaken for this Project to identify SAR and SARhabitat and further develop/refine mitigation measures, as needed. Several terrestrial SAR (including birds, bats, reptiles, insects, plants) were identified as potentially occurring in the Study Area, as discussed in Section 3.3.4.5 of the ER. Habitat for regional rare terrestrial species have been addressed in 3.3.4.3 of the ER. Impacts and mitigation to at risk and rare wildlife are discussed in Table 5.1 under the Wildlife, Wildlife Habitat and Species at risk (Section 3.3.4) row.

20.	**Statement:** All wetlands identified within the 120 m right of way have a cultural significance and are granted protections through the treaty making process. This can also be said for any of the hardwood forests stands that have sugar maple (Acer saccharum), American beech (Fagus grandifolia), white ash (Fraxinus americana), eastern hemlock (Tsuga Canadensis), greenash (Fraxinus pennsylvanica), red maple (Acer rubrum), eastern white cedar (Thuja occidentalis), yellow birch (Betula alleghaniensis), balsam fir (Abies balsamea), and black ash (Fraxinus nigra).	Enbridge acknowledges the cultural significance of the wetlands in the area and that they are granted protections through the treaty making process. Mitigation and protective measures for wetlands are noted in Table 5.1 under the Aquatics Speciesand Habitat (Section 3.3.1) row and under the Wetlands (Section 3.3.3) row. Enbridge also acknowledges the cultural significance of hardwood forests and we have listed mitigation measures for trees and vegetationin Table 5-1 Forest and Vegetation Cover row (Section 3.3.2) of the ER. Impacts to forests are notanticipated as the Project is planned to be located within the municipal ROW. At this time, tree removal is not anticipated, however, should it be deemed required, additionalfield studies including a tree inventory, will be completed, as described in Comment 11. Of which, CLFN will be invited to participate, if desired.

21.	**Statement:** Enbridge should be made aware that all the identified terrestrial species of conservation concern and species at risk have been overserved within the study area right of way. A method to detect their presence may be require outside of sitevisitations. Methods like camera trapping, environmental DNA, and audio recordings should be used to decrease uncertainty andhuman error to confirm presence absence and collect larger datasets while reducing costs.	Field studies will be conducted in accordance withprovincial guidelines and industry standards. Importantly, where there may be uncertainty inthe results of the studies or the presence of a species at risk, a precautionary approach will betaken of assuming presence and implement mitigation measures, as detailed in the EPP. Prior to construction, a Species at risk awareness session will be provided to workers to ensure theyunderstand the requirements around Species at

		Risk, including the required mitigation measures. CLFN will be invited to participate, if desired.
22.	**Statement:** There is no statement of Indigenous land use through the creation of Stantec Environmental Report when looking at other Settler based land use. This can be considered as an additional act of colonialism. There is no acknowledgement of the 2018 Williams Treaty Settlement, in which the community of CLFN had their Rights reaffirmed thus changing the scope and focus of Settler land use planning and occupancy.	This feedback is well received, and Enbridge will work to integrate it into the final ER and any forthcoming archaeological assessment reports and regulatory submissions. Furthermore, and aligned with our corporate Indigenous Peoples' Policy, Enbridge acknowledges the unique rights that Indigenous communities have.
Section 4: Concerns from Site Visit		
23.	**Comment:** To date, there has not been any site visits by any members of CLFN or those who work on their behalf. It is recommended that a four-season site visit approach be undertaken to ensure species of cultural interest be explain, heard, and protected if this work is to proceed ahead.	Enbridge remains interested in working with CLFN to understand the community's interests in addition to accommodating site visits. Moreover, Enbridge has provided the preliminary Environmental Field Schedule and will work with the community to involve monitor(s) from CLFN, as the community is interested.
Section 5: Outcomes and Recommendations		
24.	**Recommendation 1:** All sections of this report need to be addressed in good faith between Enbridge and CLFN to address their (CLFN) level of environmental concern. Enbridge not only needs to communicate this to CLFN but also in a subsequential document outlining a formal response to questions, recommendations or action items arising from this peer review.	Please accept this correspondence as our formal response to the comments, questions, statements, and action items highlighted in CLFN's peer review. Enbridge acknowledges that consultation is an ongoing process that must be meaningful. As such, we will continue to work to understand, respect and respond to CLFN's questions, concerns, and shared knowledge offerings as this Project progresses.

25.	**Recommendation 2:** Oral histories and environmental protection of culturally sensitive features such as wetlands should be included within the Environmental Assessment process to ensure that the obligations of Treaty or Inherent Rights to the land are understood and adhered to under Section 35 of the Canadian Constitution.	Enbridge will include the Oral History of the Michi Saagiig in the final ER and any forthcoming archaeological assessment reports and regulatory submissions. Moreover, Enbridge remains interested in working with CLFN to integrate any

	If this is not occurring in practice, then this is another process ofcolonization by wiping the Indigenous presence from the landscape.	additional history, oral or otherwise, as well anyculturally sensitive features.
26.	**Recommendation 3:** Since culturally sensitive features are protected in the Treaty's signed by the Michi Saagiig then appropriate environmental buffers should be negotiated with the Rights holders and the ones who grant harm or destruction to the Rights under Section 35 of the Canadian Constitution. Thismay extend beyond the industry standard.	Any archaeological reports prepared for the Projectwill be provided by Enbridge to CLFN for review and comment prior to submission to the MHSTCI. Enbridge will work with CLFN to understand and implement specific buffer requirements as required by the MHSTCI's *Standards and Guidelinesfor Consultant Archaeologists* and CLFN's *Archaeological Protocol: Curve Lake First Nation*, asappropriate.
27.	**Recommendation 4:** There will be an understanding and mitigation measures allotted to the mammal species within theproject area. Such species include but not limited to the deer, beaver, mink, otter, and muskrat.	Mitigation measures proposed for wildlife in Table 5.1 under the Wildlife, Wildlife Habitat and Species at risk (Section 3.3.4) row as well as Wetlands (Section 3.3.3 row) are designed to protect the environment and local habitats from encroachment and degradation. Protection of these habitats will also mitigate impacts to wildlife that use these areas, including deer, beaver, mink, otter, muskrat (and other) species. For example, avoidance of wetlands and implementing sedimenterosion control and exclusion fencing, are anticipated to protect wetland mammals (e.g., beaver, mink, muskrat) and their habitat. During operation, as discussed in Comment 17, impacts of the buried pipeline on wildlife are not anticipated.

28.	**Recommendation 5:** Site restoration design inputs with CLFNusing Indigenous Knowledge Systems.	Enbridge restores the ROW to pre-construction conditions or better and seed is selected based onlandowner requirements or based on the native species in the area. If tree removal is deemed

		necessary, Enbridge will work with the required permitting agency (KCA or COKL) and can discussthis with CLFN. Additionally, Enbridge would welcome the opportunity to work with CLFN to understand andbetter incorporate Indigenous worldviews and/orknowledge systems into the relevant aspects of this Project.
29.	**Recommendation 6:** Black ash protection and restoration ifimpacted.	Enbridge acknowledges this comment and currently, tree removal is not anticipated, however,if it is deemed required, tree inventories will be completed, and tree protection plans put in place. If tree removal is required, CLFN would be invitedto participate in the tree inventories.
30.	**Recommendation 7:** Understanding or minimizing the impacts tofrog populations with emphasis on bullfrog and green frog populations since there are a traditional food source of the MichiSaagiig and are still used to this day.	Enbridge acknowledges the importance of frog populations to the Michi Saagiig. Mitigation and protective measures with regard to amphibians arenoted in Table 5.1 in the "Wildlife, Wildlife Habitat and Species at risk (Section 3.3.4)" row. Where practical, construction should be avoided in the vicinity of the areas that may provide habitat for amphibians during the amphibian breeding season (March 1 – June 30). Work is planned to be contained within the municipal ROW and thereforeimpacts are not anticipated to amphibian populations.

31.	**Recommendation 8:** Environmental Monitoring: If constructionactivities are not effectively managed to limit soil exposure or contain runoff, the mobilization and transport of water-borne sediments may result in water quality degradation, destabilization of natural occurring fluvial processes and interference with wetland and aquatic habitats. While the land	As mentioned in Comment 8, Enbridge will follow the Duty to Consult process as directed by agenciesduring the permitting process. If deemed required for the Project, CLFN will be engaged on permits that have a Duty to Consult component. Moreover, where CLFN is identified as a community with

	development industry has taken important steps towards improving its erosion and sediment control practices, deficiencies still exist. Reoccurring problems included the lack ofproper follow-through on implementation approved ESC plans, inadequate inspection and maintenance of ESC measures, illicit pumping, and failure to report sediment spills. Rapid response isimportant to minimize adverse impacts particularly where sensitive species and their habitat are at risk. Sensitive systems include those that support or have the potential to support species at risk and cold-water specialists such as brook trout, redside dace, Atlantic salmon, sculpin, and other cold-water species. CLFN objective is to ensure that any construction activity withintheir territory are continuously and proactively monitored that prevents harmful impacts of deleterious substance (such as sediment and silts) from getting into local receiving streams. Site Inspections and Ecological Construction Monitoring is a critical component of any construction project. Most site inspections focus on sediment control and may not include assessing impacts on other significant features such as wetlands, fish habitat. Monitoring Stations need to be developed and assessed based on potential pathways by which the project can induce harm to the environment. A detailed site-specific monitoring plan will need to be generate by CLFN and the proponent and then submitted to the regulatory agencies as partof the proponent's compliance monitoring and Duty to Consult. Examples of monitoring activities included but not limited to the following: • Contractor Education • Erosion and Sediment Control Measures • Long-term Natural Heritage Monitoringo Wetlands	whom to engage in relation to a project or where CLFN has expressed a known interest in the permitting process, Enbridge will engage with CLFN. To that end, Enbridge would seek to better understand the nature and scope of CLFN's interestin the permitting process for this Project. Soil mitigation and protective measures include those outlined in the Enbridge Construction and Maintenance Manual (October 27, 2021) and thosenoted in Table 5.1 of the ER under the "Soil and Soil Capability" (Section 3.2.5) row. An Environmental Inspector will attend Project construction activities regularly to inspect environmental conditions including ESC measures,SAR habitat and aquatic habitat, including watercourses and wetlands. Conservation Authority permits will be obtainedand will include ESC measures. The EPP will detail monitoring requirements, including for Erosion and Sediment Control (ESC)measures.
	o Surface water o Woodlots o Nesting bird o Reptiles o Buffer placement o Groundwater o Stream health o Wildlife corridor and connectivity	
32.	**Recommendation 9:** CLFN has the right to add to this list of requirements at any time but should approached the proponentin the spirit of reconciliation.	Enbridge agrees. Enbridge is commi ongoingconsultation with CLFN and continue to work to ensure the proposed Project respe Aboriginaland Treaty Rights.

Line-item attachment 5.40

From: Jordon MacArthur <JordonM@curvelake.ca>
Sent: Monday, March 28, 2022 9:02 AM
To: Melanie Green <Melanie.Green@enbridge.com>; francis@francischua.com; Julie Kapyrka <JulieK@curvelake.ca>; Kaitlin Hill <KaitlinH@curvelake.ca>; kayla@francischua.com
Cc: Lauryn Graham <lauryn.graham@enbridge.com>
Subject: [External] RE: UPDATED draft: Stage 1 Archaeology Assessment - Bobcaygeon

CAUTION! EXTERNAL SENDER
Were you expecting this email? TAKE A CLOSER LOOK. Is the sender legitimate?
DO NOT click links or open attachments unless you are 100% sure that the email is safe.

Good morning Mel,

Thank you for confirming and following up. There were no further concerns beyond ensuring the oral history mentioned was included.

Have a great Monday!

Jordon MacArthur
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W: http://secure-web.cisco.com/1SOFAC-vl-6x4_7_xsKpOXIKpxbRHK5TYh10z7Docqds2-K3IKjzZN3S_ZLJLLl3rpDVU3mAZZRlX7y7gRFsRQ3nwA2xq6ygvUtl7rrWC2-AJsZQJJjt6NgiFosxiAaJYNHIvG8a7c8WtaAnMBUyRdAfXSgfFsECjWwVMQ3V3L1ZI3em594ju_fgti2x2CD-R3Zl6DvO1g0AbZwUkZO3hiA3bsSFom5jNyHANTVe6sfZZCZHh_0aALTi3j-HPlKOc1iff9Ia9gVPN4LmrcfpeDKBCBi03OrqzagVlCwHZqFaO7ELCeiK0xDWCf4_HnTVE/http%3A%2F%2Fwww.curvelakefirstnation.ca
E: JordonM@curvelake.ca

From: Melanie Green <Melanie.Green@enbridge.com>
Sent: March 16, 2022 4:12 PM
To: Jordon MacArthur <JordonM@curvelake.ca>; francis@francischua.com; Julie Kapyrka <JulieK@curvelake.ca>; Kaitlin Hill <KaitlinH@curvelake.ca>; kayla@francischua.com
Cc: Lauryn Graham <lauryn.graham@enbridge.com>
Subject: RE: UPDATED draft: Stage 1 Archaeology Assessment - Bobcaygeon

Hi again,

Ok so here goes;

This is an oversight from Stantec and Enbridge. I can ensure you that this document (attached) provided by CLFN (Michi Saagiig oral history) will be added as an appendix prior to submitting to the MHSTCI.

Thank you much!

Mel

Line-item attachment 5.53

From: Melanie Green
To: francis@francischua.com; JordonM@curvelake.ca; JulieK@curvelake.ca; KaitlinH@curvelake.ca; kayla@francischua.com
Cc: Lauryn Graham
Subject: Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment
Date: Wednesday, May 11, 2022 3:35:54 PM
Attachments: mem_60951282_ELC_Memo_20220510_fnl.pdf

Good afternoon,

Please see attached ELC memo for your review related to the Bobcaygeon Community Expansion Project.

We are asking for comment and feedback on or before **June 8, 2022.** If you force requiring more time, please let me now.

As always, your feedback is appreciated and Enbridge acknowledges that capacity support may be required in order engage in timely reviews of the documents, participation in archaeological work associated with proposed projects, and to engage in meaningful consultation. We are prepared to provide capacity funding to support this work.

Thank you in advance,

Have a great rest of your day!

Mel

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

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Stantec

Memo

To:	Sarah Kingdon-Benson Enbridge Gas Inc.	From:	Brian Miller Stantec Consulting Ltd.
File:	160951282	Date:	May 10, 2022

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

This memo has been prepared to provide a summary of the vegetation community and habitat assessment field investigations conducted along Phase 1 of the proposed Bobcaygeon Community Expansion Project, a natural gas pipeline route to serve the community of Bobcaygeon, Ontario. Survey details are listed below in Table 1. The routes have been developed for purposes of an assessment of potential environmental and socioeconomic impacts and do not represent the final project scope and design that will provide access to natural gas to end-use customers.

Table 1 Survey Details and Summary

Survey Date	Surveyor(s)	Type of Survey
October 7, 2021	B. Miller	Roadside ELC and wildlife habitat assessment
October 8, 2021	B. Miller	Roadside ELC and wildlife habitat assessment

The purpose of these surveys was to identify natural and anthropogenic vegetation and wildlife habitat features to support a general assessment of their significance. The work included:

1. Roadside assessment of Ecological Land Classification (ELC) of vegetation communities.
2. Identification of wildlife habitat features including hibernacula, bat roosts, stick nests, seeps, and vernal pools
3. Complete a habitat assessment for Species at Risk (SAR) that may occur within the Study Area.

Identification and mapping of vegetation communities follows the protocols of the ELC field guide for Southern Ontario (Lee et al., 1998). Updates to vegetation community names and codes follow the 2008 catalogue of ELC vegetation communities. ELC mapping was completed to the finest level of resolution (Vegetation Type) where possible. Vegetation communities were first identified on aerial imagery and then confirmed in the field. Provincial significance of vegetation communities was based on the rankings assigned by the Natural Heritage Information Centre (NHIC 2021).

VEGETATION COMMUNITIES

ELC mapping of the linear Study Area along Centreline Road and Pigeon Lake Road is shown on Figures 1-1 to 1-10 (attached).

The Study Area is situated in a mostly rural or semi-rural setting with a mixture of natural vegetation communities, agricultural fields, and rural properties, and a small community at the north end of the Study Area next to Pigeon Lake. Thicket and woodland communities have a variable composition, but forests are generally dominated by eastern white cedar and trembling aspen or sugar maple and other hardwoods. Swamp communities are generally dominated by Freeman's (swamp) maple and/or trembling aspen. Marsh communities in the Study Area along the edge of Pigeon Lake are generally dominated by cattails. Standing water is common in many of these marsh communities.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

The vegetation community types are briefly described in Table 2 (below).

None of the vegetation communities listed below are considered rare in the province.

Table 2 Ecological Land Classification (ELC) Vegetation Types

ELC Code	ELC Community Name	Area (sq. m)
MEADOW COMMUNITIES		
MEMM3	Dry - Fresh Mixed Meadow	59172.4
MEMM3 / OAGM4	Dry - Fresh Mixed Meadow / Open Pasture	2280.4
MEMM3 / THDM2	Dry - Fresh Mixed Meadow / Dry - Fresh Deciduous Shrub Thicket	12946.8
MEMM3 / THDM4	Dry - Fresh Mixed Meadow / Dry - Fresh Deciduous Regeneration Thicket	18343.7
MEMM3 / THMM1	Dry - Fresh Mixed Meadow / Dry - Fresh Mixed Regeneration Thicket	6402.4
MEMM4 / THDM2-6	Fresh - Moist Mixed Meadow / Buckthorn Deciduous Shrub Thicket	939.2
THICKET COMMUNITIES		
THCM1	Dry - Fresh Coniferous Regeneration Thicket	5772.6
THCM2-1	Fresh - Moist White Cedar Coniferous Thicket	9100.5
THDM2-6	Buckthorn Deciduous Shrub Thicket	13433.9
THDM3	Dry - Fresh Deciduous Hedgerow Thicket	4134.7
THDM3-1	Buckthorn Deciduous Hedgerow Thicket	2923.8
THDM4	Dry - Fresh Deciduous Regeneration Thicket	3521.7
THDM4-1 / THDM2-6	Native Deciduous Regeneration Thicket / Buckthorn Deciduous Shrub Thicket	15387.3
THDM5	Fresh - Moist Deciduous Thicket	3133.5
THMM1	Dry - Fresh Mixed Regeneration Thicket	54818.7
THMM1 / MEMM3	Dry - Fresh Mixed Regeneration Thicket / Dry - Fresh Mixed Meadow	10376.1
THMM1 / MEMM4	Dry - Fresh Mixed Regeneration Thicket / Fresh - Moist Mixed Meadow	14360.9
THMM2 / SWT	Fresh - Moist Mixed Thicket / Thicket Swamp	15547.8
WOODLAND COMMUNITIES		
WODM4	Dry - Fresh Deciduous Woodland	7031.7
WODM5	Fresh - Moist Deciduous Woodland	2926.3
WODM5-1	Fresh - Moist Poplar Deciduous Woodland	886.8
PLANTATION COMMUNITIES		
TAGM1	Coniferous Plantation	14159.3

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

Table 2 Ecological Land Classification (ELC) Vegetation Types

ELC Code	ELC Community Name	Area (sq. m)
FOREST COMMUNITIES		
FODM5-10	Dry – Fresh Sugar Maple – White Birch – Poplar Deciduous Forest	5554.3
FODM5-11	Dry – Fresh Sugar Maple – Hardwood Deciduous Forest	1824.2
FODM5-3	Dry – Fresh Sugar Maple – Oak Deciduous Forest	3543.2
FODM5-8	Dry – Fresh Sugar Maple – White Ash Deciduous Forest	3311.5
FODM8-1	Fresh – Moist Poplar Deciduous Forest	8139.6
FOMM4	Dry – Fresh White Cedar Mixed Forest	4644.6
FOMM4-2	Dry – Fresh White Cedar – Poplar Mixed Forest	54834.6
FOMM5	Dry – Fresh White Birch – Poplar – Conifer Mixed Forest	3476.4
FOMM8-1	Fresh – Moist Poplar Mixed Forest	4481.8
FOMM8-1 / FOMM10-2	Fresh – Moist Poplar Mixed Forest / Fresh - Moist White Spruce - Hardwood Mixed Forest	4048.5
WETLAND - MARSH COMMUNITIES		
MAMM1-12 / MAMM1-2	Common Reed Graminoid Mineral Meadow Marsh / Cattail Graminoid Mineral Meadow Marsh	2796.2
MAMM3 / FODM8-1	Mixed Mineral Meadow Marsh / Fresh – Moist Poplar Deciduous Forest	1643.7
MAMO1-2 / SWTO5	Cattail Graminoid Organic Meadow Marsh / Organic Deciduous Thicket Swamp	6890.6
MASO1-1	Cattail Organic Shallow Marsh	40646.9
WETLAND - AQUATIC COMMUNITIES		
SAF_1	Floating-leaved Shallow Aquatic	6234.4
WETLAND - SWAMP COMMUNITIES		
SWDM3-3 / SWDM4-5	Swamp Maple Mineral Deciduous Swamp / Poplar Mineral Deciduous Swamp	7342.0
SWDM4-5	Poplar Mineral Deciduous Swamp	4183.7
SWDM4-5 / MAMO1-2	Poplar Mineral Deciduous Swamp / Cattail Graminoid Organic Meadow Marsh	9888.5
SWDO2-3	Swamp Maple Organic Deciduous Swamp	15499.8
SWTM3	Willow Mineral Deciduous Thicket Swamp	4580.0
SWTO2	Willow Organic Deciduous Thicket Swamp	2198.5
SWTO2 / MASO1-1	Willow Organic Deciduous Thicket Swamp / Cattail Organic Shallow Marsh	24764.9
SWTO5	Organic Deciduous Thicket Swamp	1148.1
SWTO5 / MASO1-1	Organic Deciduous Thicket Swamp / Cattail Organic Shallow Marsh	5956.9

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

Table 2 Ecological Land Classification (ELC) Vegetation Types

ELC Code	ELC Community Name	Area (sq. m)
	OTHER COMMUNITIES	
CGL	Green Lands	938.7
CVC_1	Business Sector	8137.6
CVC_4	Extraction	12916.0
CVI	Transportation and Utilities	6698.5
CVI_1	Transportation	1464.7
CVR_3	Single Family Residential	253520.0
CVR_4	Rural Property	173435.3
CVR_4 / CVR_3	Rural Property / Single Family Residential	74035.6
CVR_4 / TAGM1	Rural Property / Coniferous Plantation	1378.6
CVR_4 / THCM1	Rural Property / Dry - Fresh Coniferous Regeneration Thicket	17543.2
CVR_4 / THMM2	Rural Property / Fresh - Moist Mixed Thicket	5659.9
CVS_2	Health	4624.0
OAG	Open Agriculture	91824.5
OAGM1	Annual Row Crops	219502.9
OAGM2	Perennial Cover Crops	140198.7
OAGM4	Open Pasture	73221.7

FLORA

No plant species at risk were documented that may have been identifiable during the time of year the survey was conducted (e.g., Butternut, Black Ash). A subsequent survey for Eastern Prairie Fringed Orchid, which could occur within roadside ditches and in the proposed work area, will occur in summer 2022.

WILDLIFE HABITAT ASSESSMENT

No seeps, springs, reptile hibernacula, stick nests or vernal pools were observed during the roadside surveys conducted in 2021.

Woodland habitat such as forest (FOD), Woodland (WOD) or Swamp (SWD) is present in many areas adjacent the Study Area. These wooded features likely contain standing snags which may provide potential bat maternity roosting habitat for bat species at risk (SAR; species protected under the *Endangered Species Act*). However, these features were not observed immediately adjacent the road edge. Forests (FO) and woodlands (WO) that are deciduous, coniferous, or mixed in composition may provide suitable habitat for several bird species, including the Eastern Whip-poor-will, a SAR. Mature forests that are deciduous in composition (FOD) and large open deciduous woodlands (WOD) may also provide suitable habitat for many bird species including the Cerulean Warbler, a SAR. Woodland habitat is shown on Figures 1-1 to 1-7 and 1-9 in the attached mapbook.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

Shallow marsh (MAS) and shallow water (SAF) communities along the edge of Pigeon Lake and at the very south end of the Study Area are suitable and potential habitat for turtles, including another SAR, Blanding's Turtle. Large, shallow marsh communities dominated by cattails (MASO1-1) could also provide suitable habitat for a marsh bird SAR, Least Bittern. Aquatic habitats are shown on Figures 1-1, 1-3, 1-6, 1-8 and 1-9 in the attached mapbook.

Grassland habitat was documented in hayfields (OAGM2), open pastures (OAGM4), meadows (MEMM), and thickets (THC, THD or THM). These communities could potentially support breeding Bobolink and Eastern Meadowlark, two species of grassland SAR birds. Barn Swallow, a SAR that breeds and forages in agricultural habitats is also likely to be found in OAG communities. Agricultural, meadow and thicket communities are shown on Figures 1-1 to 1-10 in the attached mapbook.

Chimney Swift is a SAR that requires artificial structures to breed (i.e., chimneys) and may be found in residential (CVR) communities. Residential communities are shown on Figures 1-1 to 1-10 in the attached mapbook.

For additional details on wildlife and wildlife habitat, including SAR and other important species, please refer to *Bobcaygeon Community Expansion Project: Environmental Report (*Stantec 2021).

SAR MITIGATION

The following mitigation measures are proposed and under consultation with the Ministry of the Environment, Conservation and Parks, the administering body of the *Endangered Species Act*. Therefore, the permitting and mitigation measures recommended below may be subject to change.

BAT SAR

A potential adverse effect to bat SAR within the Study Area is a loss of roosting habitat. However, as construction will be restricted to the road Right-of-Way, tree clearing and/or pruning will be limited and not expected to affect the availability of roosts in the local landscape.

To avoid direct impacts to SAR bats, tree clearing/pruning will occur outside the active window (April 1 - September 30). In the event limited tree clearing/pruning is required during the active season, an assessment will be completed to identify candidate roost trees and exit surveys will be completed to assess use of the roost tree. If roost trees are confirmed, Enbridge Gas will consult with MECP to discuss avoidance and/or ESA authorization requirements.

EASTERN WHIP-POOR-WILL

Work is restricted to the Right-of-Way where Eastern Whip-poor-will are unlikely to be present. Further, the disturbance will be temporary and open habitats in the Right-of-way will be restored to their original state following construction.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

CERULEAN WARBLER

Cerulean Warbler generally selects breeding territories away from "hard" forest edges and prefers to nest closer to the interior of forested communities (ECCC 2020). As work is restricted to the Right-of-Way which does not intersect interior forest communities and TWS's that are outside forested communities, impacts to this species are not anticipated. If limited tree clearing is required, it will be completed outside the breeding season (April 1 to August 31) or, if necessary, breeding bird sweeps will take place prior to any vegetation removal.

LEAST BITTERN

Work is restricted to the Right-of-Way where Least Bittern are unlikely to be present. Impacts to Least Bittern habitat are not anticipated. This species requires large wetlands (typically wetlands greater than 5 hectares) dominated by cattails for breeding, and construction will be restricted to the edges of wetlands where the species is unlikely to be present (COSEWIC 2009).

Additionally, HDD (horizontal directional drilling) may be utilized at wetland crossings encroaching onto the Right-of-Way. HDD is a construction technique used to avoid impacts to sensitive habitats, including wetlands where Least Bittern may be present. Specific protective measures pertaining to the use of HDD in wetlands encroaching onto the Right-of-Way can be found in Table 5.1 Section 3.3.3 of the *Bobcaygeon Community Expansion Project: Environmental Report* (Stantec 2021).

BLANDING'S TURTLE

Blanding's Turtle may be present in watercourses and wetlands within the Right-of-Way. Exclusionary fencing will be installed during construction at areas identified as potential Blanding's Turtle habitat (wetlands, watercourses). BMPs from OMNRF's (2016) *Best Management Practices for Mitigating the Effects of Roads on Amphibians and Reptile Species at Risk in Ontario* will be considered when installing exclusionary fencing and an Environmental Monitor will look for signs of turtles (nesting or adults) during construction activities in work areas.

Exclusion fencing (e.g., silt fence) should be erected on both sides of the road prior to activities occurring during the active season (e.g., April 1 – September 30) in areas identified as having turtles (250 m for Blanding's turtle) or as being high potential, such as stream/river crossings, lake shores, ponds, wetlands, dips or valleys between rock outcrops, wetted ditches connected to natural water features.

Exclusion fencing should be installed prior to the sensitive nesting season (May 1 and June 30) if activities are anticipated to occur throughout this period to prevent turtles from entering and/or nesting; or pre-screening can be completed to avoid nests if work must begin during nesting season. No heavy machinery should be permitted on the shoulder of the road past the exclusion fencing to prevent compaction and prevent destruction of nests and habitat. Where possible, restrict construction activities within 30 m of a nesting site.

Impacts to upland habitat (i.e., within 250m of wetlands) will be restricted to the road Right-of-Way. Such roadside habitat is expected to be of low quality for Blanding's Turtle and is likely acting as an ecological sink. Temporary disturbance to the roadside habitat is not anticipated to affect Blanding's Turtles.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

Additionally, HDD (horizontal directional drilling) may be utilized at wetland crossings encroaching onto the Right-of-Way. HDD is a construction technique used to avoid impacts to sensitive habitats, including wetlands where Blanding's Turtle may be present. Specific protective measures pertaining to the use of HDD in wetlands encroaching onto the Right-of-Way can be found in Table 5.1 Section 3.3.3 of the *Bobcaygeon Community Expansion Project: Environmental Report* (Stantec 2021).

BOBOLINK AND EASTERN MEADOWLARK

Bobolink and Eastern Meadowlark are expected to potentially occur within meadows, pastures, and hayfields that may overlap with the Project location. Avoidance of work within these areas between May 1 and August 31 are recommended to avoid impacts to these species. Clearing is to be completed during the bird nesting season, and nest sweeps should be completed no later than seven days prior to clearing activities. Work is generally restricted to the Right-of-Way and as such, no impacts to Bobolink or Eastern Meadowlark are anticipated. TWS's also do not include suitable habitat and as such, no impacts to Bobolink or Eastern Meadowlark are anticipated in these areas.

CHIMNEY SWIFT

Impacts to suitable Chimney Swift nest structures (e.g., buildings with suitable chimneys) are not anticipated. In the unlikely event impacts to a nesting structure is unavoidable, Enbridge Gas will consult with MECP to obtain ESA authorization.

BARN SWALLOW

Suitable nesting structures (i.e., buildings, box culverts, bridges) will be identified in the spring and summer of 2022 and an assessment will be made to determine if any direct impacts to the structure will be made during construction. Generally, culvert and watercourse crossings will be completed using HDD (horizontal directional drill) and as such, impacts are not anticipated at these locations.

In the event a structure will be directly impacted, the Project will consider obtaining an ESA authorization through O. Reg. 830/21, including removal of the structure outside the breeding bird window (April 1 – August 31) and provision of a new structure. Impacts to foraging habitat (e.g., agricultural communities) are not anticipated, as work is restricted to the Right-of-Way.

Reference: **Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment (2021)**

EASTERN PRAIRIE FRINGED ORCHID

A subsequent survey for Eastern Prairie Fringed Orchid, which could occur within roadside ditches and in the proposed work area, will occur in summer 2022. If present, Enbridge Gas will further consult with MECP on avoidance measures and/or ESA authorization requirements.

Stantec Consulting Ltd.

Digitally signed by Straus, Melissa
Date: 2022.05.10 15:14:44 -04'00'

Melissa Straus M.Sc.
Terrestrial Ecologist

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Brian Miller Tech. Dipl.
Terrestrial Ecologist

Mobile: 226 971 2224
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Attachment: Figures 1-1 to 1-10 (ELC Mapbook)

REFERENCES

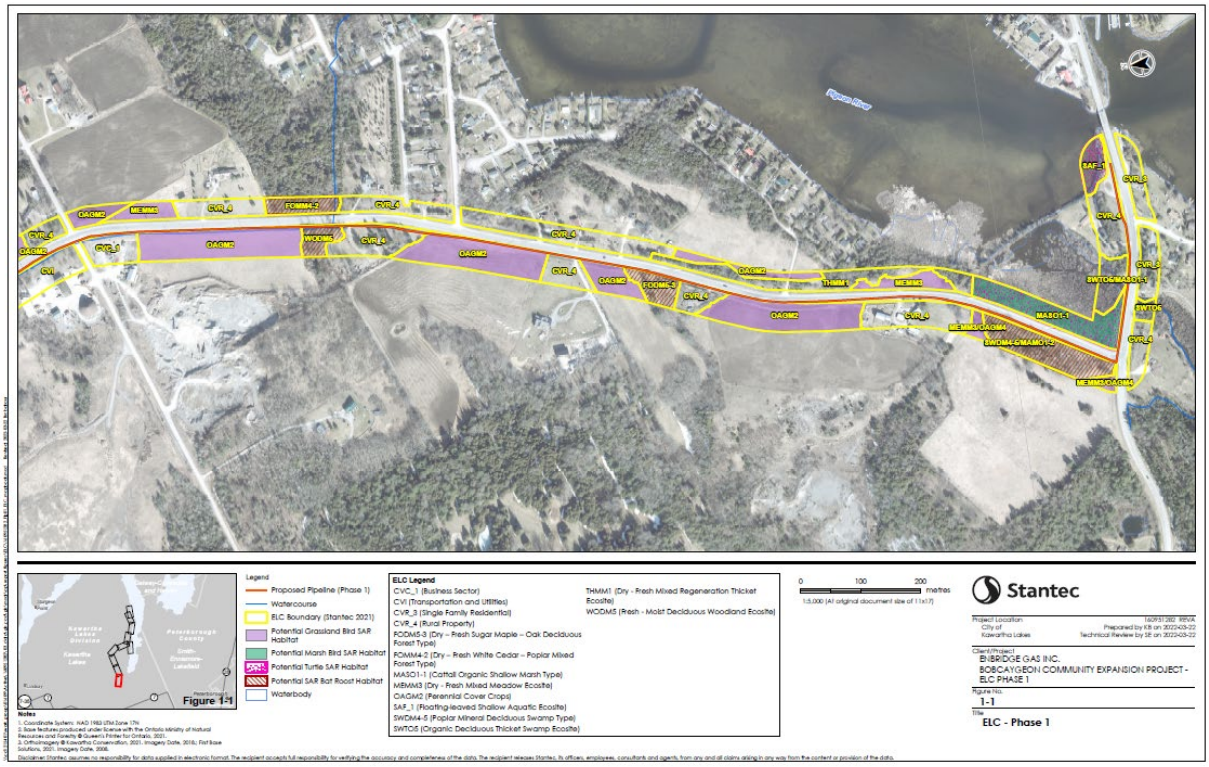
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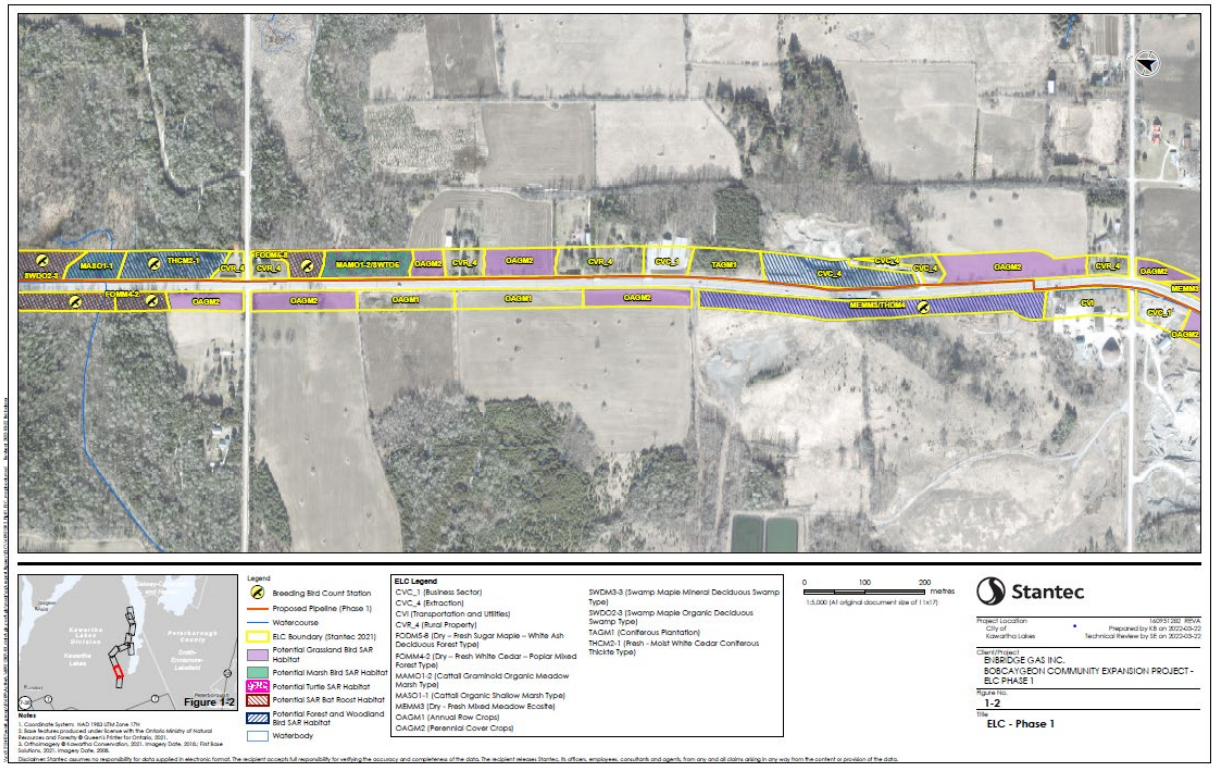
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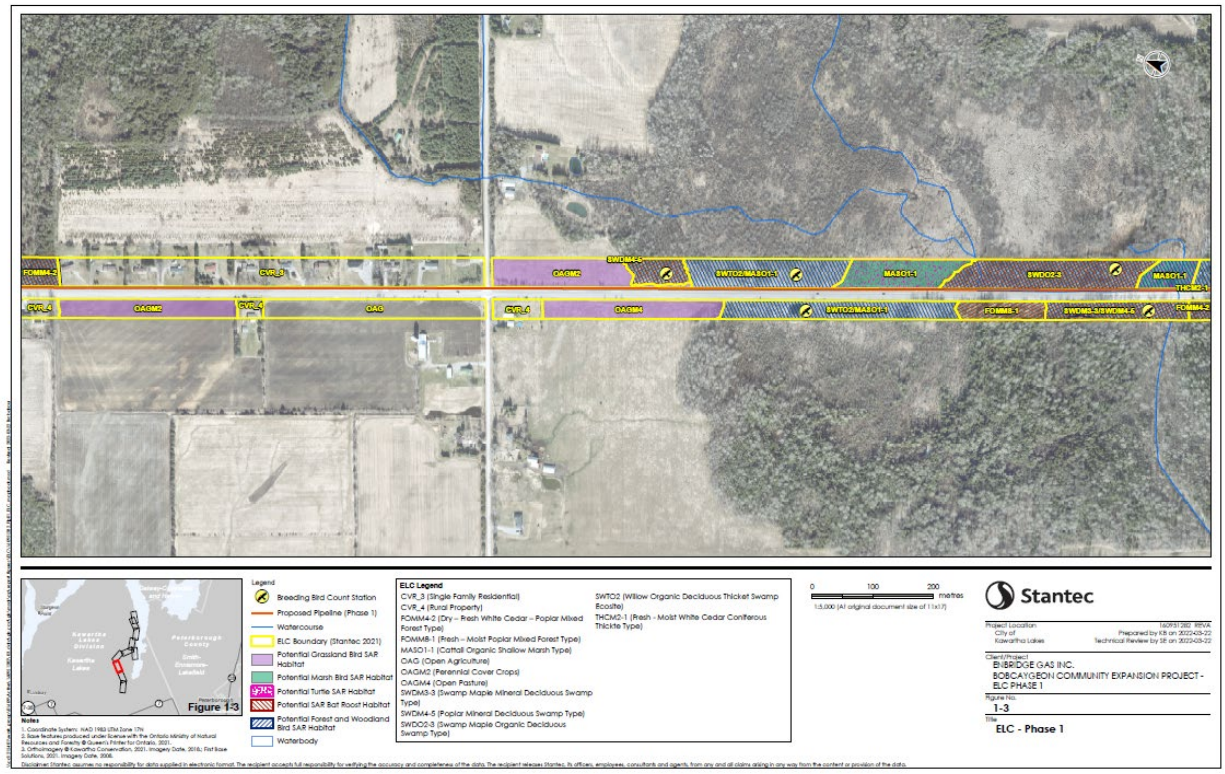
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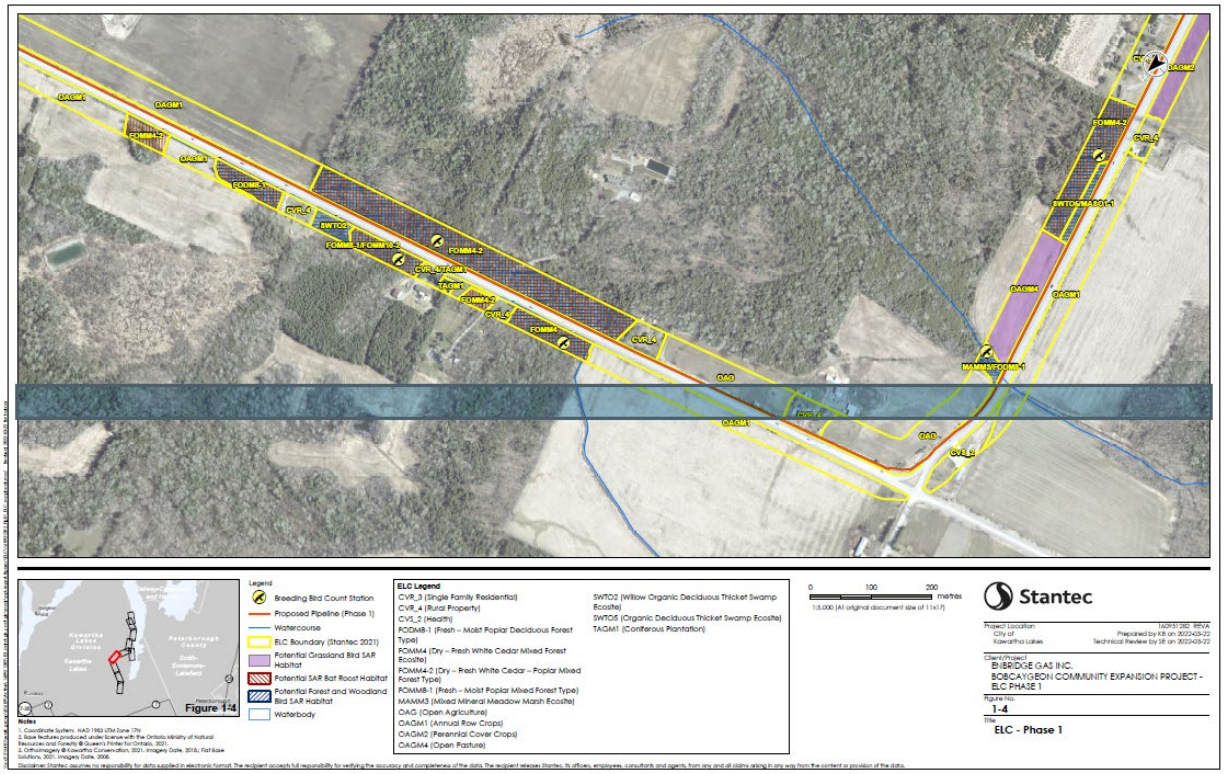
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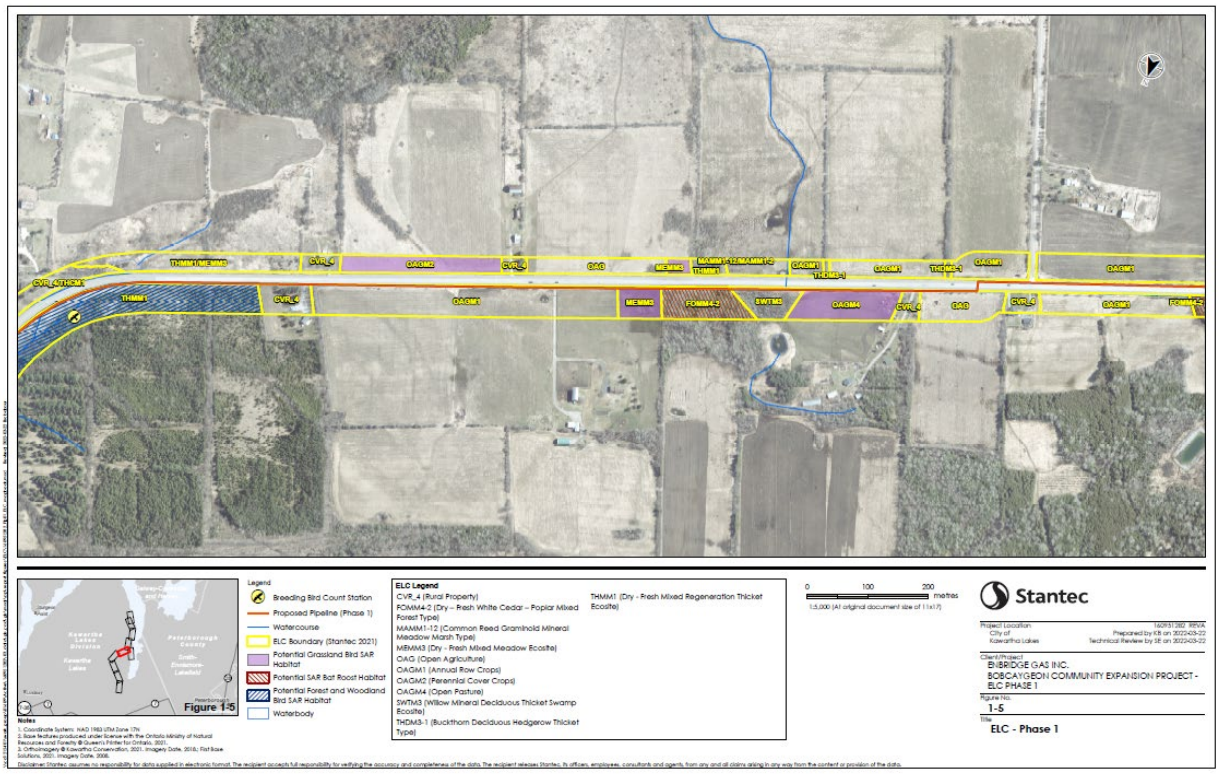
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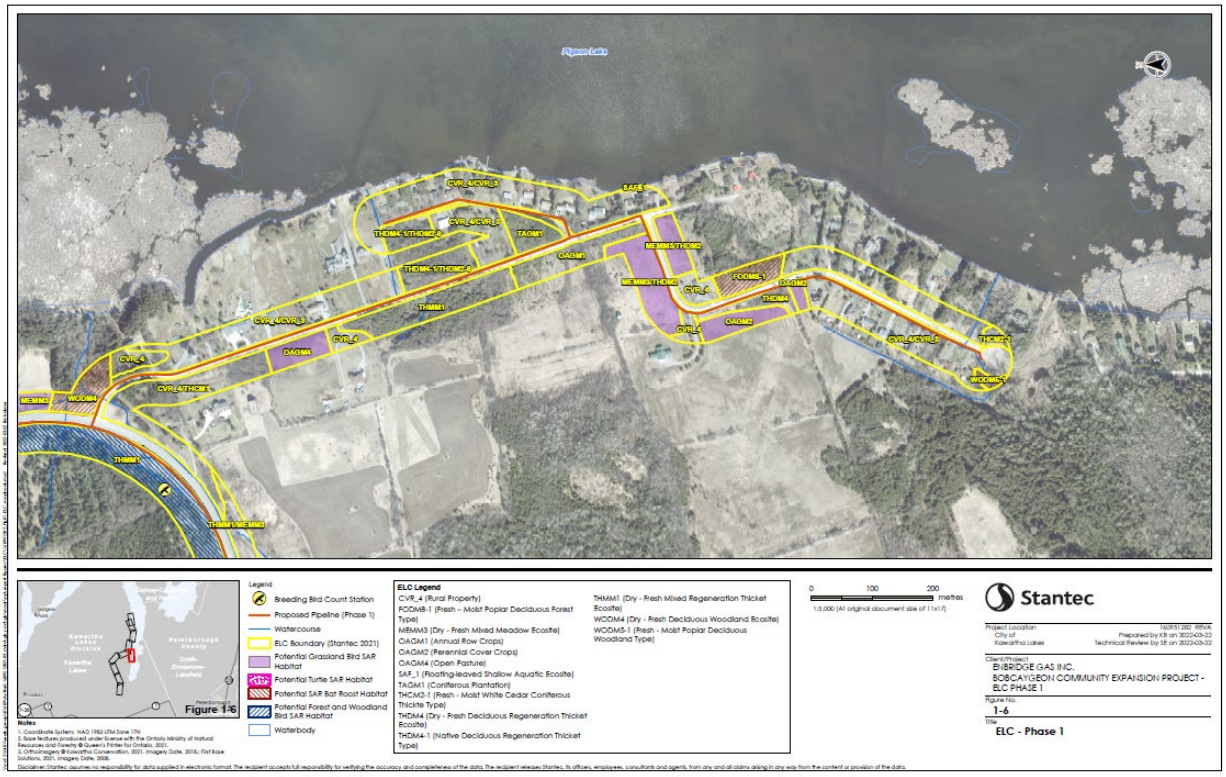

Figure 1-1
Legend
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Waterbody
ELC Legend
CVC_1 (Business Sector)
CVI (Transportation and Utilities)
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
FODM5-3 (Dry – Fresh Sugar Maple – Oak Deciduous Forest Type)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
MASO1-1 (Cattail Organic Shallow Marsh Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAGM2 (Perennial Cover Crops)
SAF_1 (Floating-leaved Shallow Aquatic Ecosite)
SWDM4-5 (Poplar Mineral Deciduous Swamp Type)
SWTO5 (Organic Deciduous Thicket Swamp Ecosite)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
WODM5 (Fresh - Moist Deciduous Woodland Ecosite)
0 100 200 metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-1
Title
ELC - Phase 1
Notes
1. Coordinate System: NAD 1983 UTM Zone 17N
2. Base features produced under license with the Ontario Ministry of Natural Resources and Forestry © Queen's Printer for Ontario, 2021.
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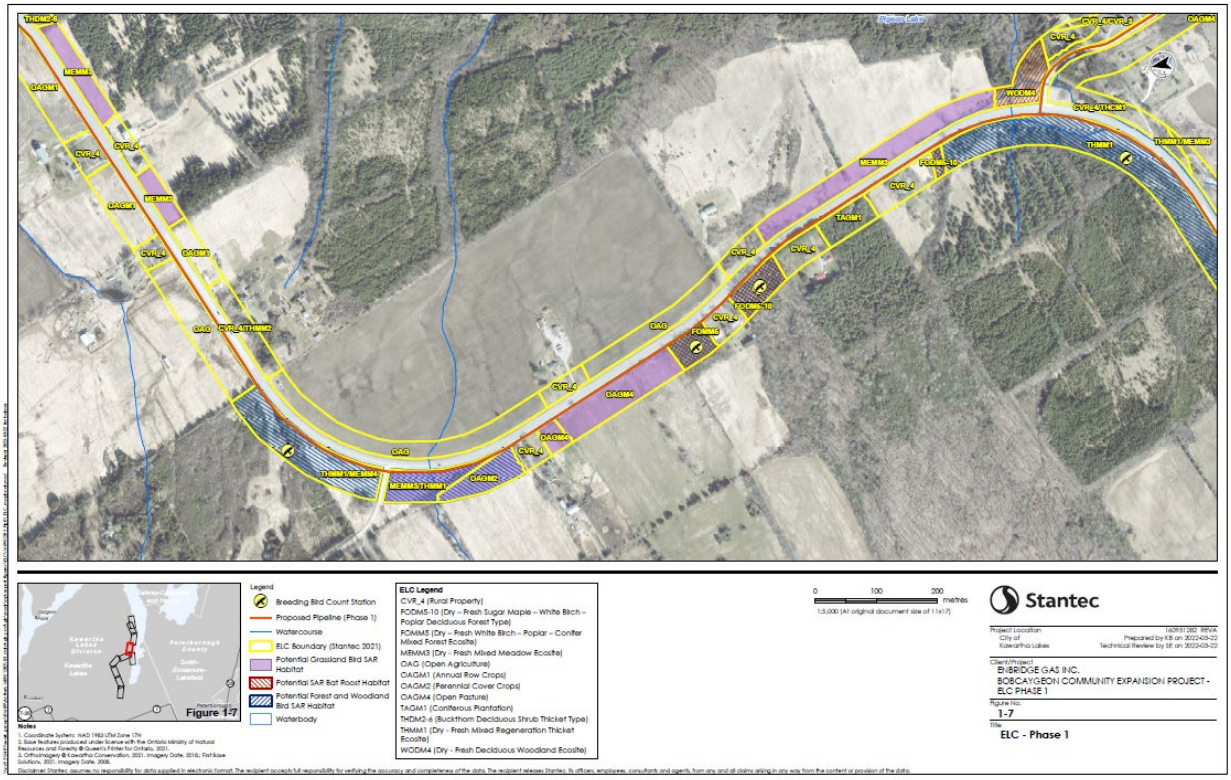

MASO1-1
THCM2-1
CVR_4
FOMM4-2
MAMO1-2/SWTD6
OAGM2
CVC_5
TAGM1
CVC_3
MEMM3/THCM1
CVI
CVR_1
Figure 1-2
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVC_1 (Business Sector)
CVC_4 (Extraction)
CVI (Transportation and Utilities)
CVR_4 (Rural Property)
FODM5-8 (Dry – Fresh Sugar Maple – White Ash Deciduous Forest Type)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
MAMO1-2 (Cattail Graminoid Organic Meadow Marsh Type)
MASO1-1 (Cattail Organic Shallow Marsh Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
SWDM3-3 (Swamp Maple Mineral Deciduous Swamp Type)
SWDO2-3 (Swamp Maple Organic Deciduous Swamp Type)
TAGM1 (Coniferous Plantation)
THCM2-1 (Fresh - Moist White Cedar Coniferous Thicklte Type)
0
100
200
metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location:
City of Kawartha Lakes
1609512B2 RPT.A
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project:
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-2
Title
ELC - Phase 1

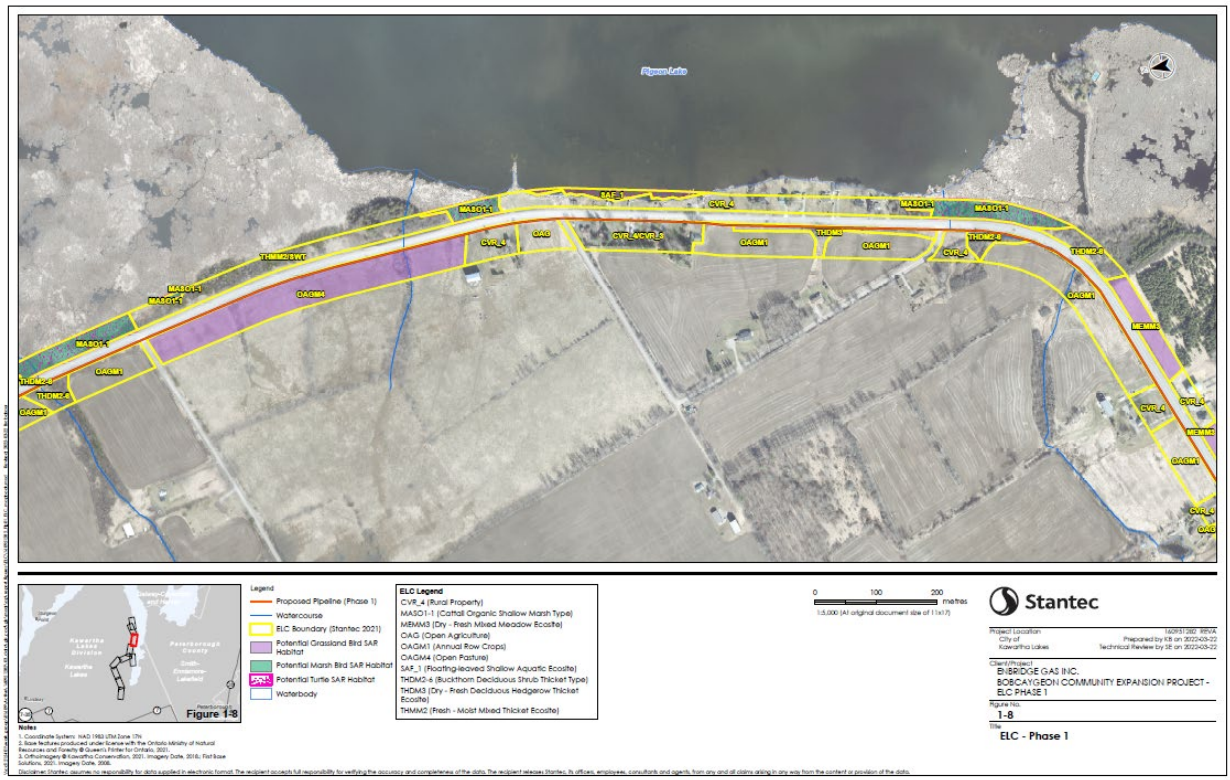

FOMM4-2
CVR_3
OAGM2
SWDM4-5
SWTO2/MASO1-1
MASO1-1
SWDO2-3
MASO1-1
THCM2-1
CVR_4
OAGM2
CVR_4
OAG
CVR_4
OAGM4
SWTO2/MASO1-1
FOMM8-1
SWDM3-3/SWDM4-5
FOMM4-2
Figure 1-3
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
FOMM8-1 (Fresh – Moist Poplar Mixed Forest Type)
MASO1-1 (Cattail Organic Shallow Marsh Type)
OAG (Open Agriculture)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
SWDM3-3 (Swamp Maple Mineral Deciduous Swamp Type)
SWDM4-5 (Poplar Mineral Deciduous Swamp Type)
SWDO2-3 (Swamp Maple Organic Deciduous Swamp Type)
SWTO2 (Willow Organic Deciduous Thicket Swamp Ecosite)
THCM2-1 (Fresh - Moist White Cedar Coniferous Thickte Type)
0
100
200
metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location
City of
Kawartha Lakes
160951282 RPVA
Prepared by KB on 2022-03-22
Technical Review by SR on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-3
Title
ELC - Phase 1

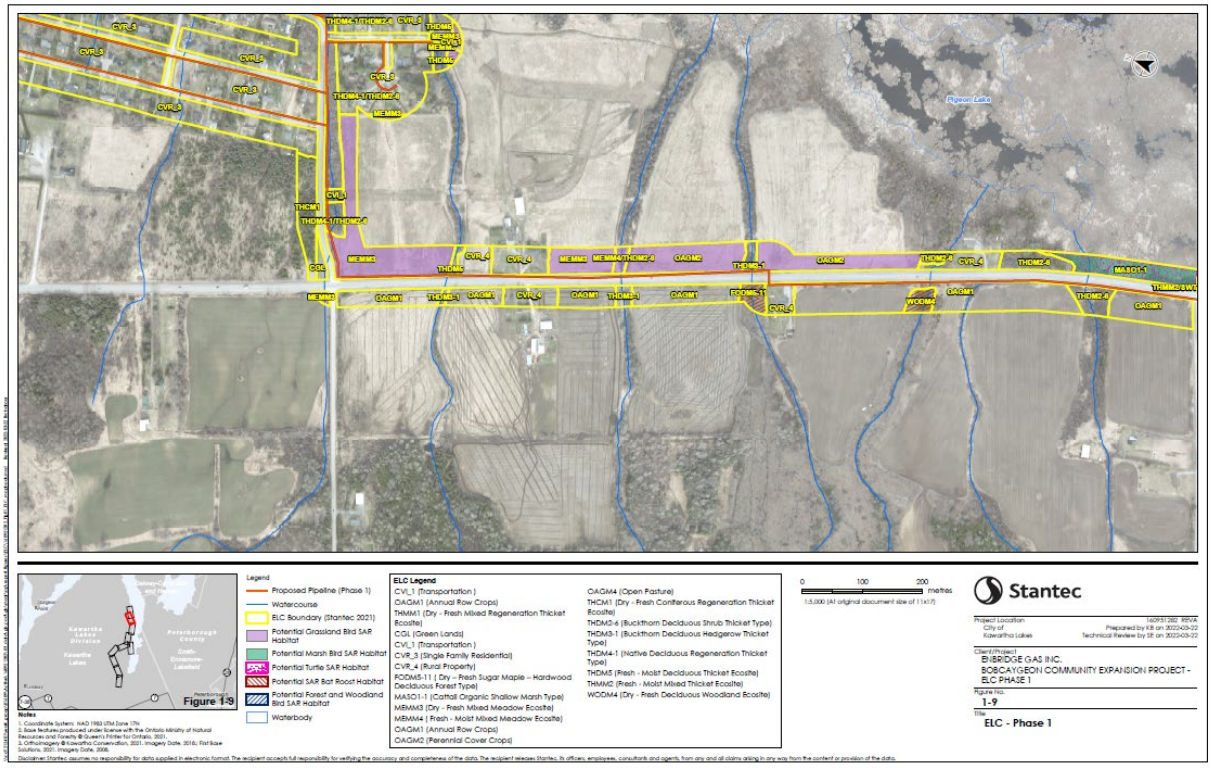

CVR_3
CVR_4
CVI_2
FODMB-1
FOMM4-2
FOMM4-1
CVR_5
SWTO2
SWTOSMAB01-1
MAMM3
TAGM1
OAGM4
OAGM1
OAG
Figure 1-4
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
CVI_2 (Health)
FODMB-1 (Fresh – Moist Poplar Deciduous Forest Type)
FOMM4 (Dry – Fresh White Cedar Mixed Forest Ecosite)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
FOMMB-1 (Fresh – Moist Poplar Mixed Forest Type)
MAMM3 (Mixed Mineral Meadow Marsh Ecosite)
OAG (Open Agriculture)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
SWTO2 (Willow Organic Deciduous Thicket Swamp Ecosite)
SWTOS (Organic Deciduous Thicket Swamp Ecosite)
TAGM1 (Coniferous Plantation)
0
100
200
metres
1:3,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
1609312302 RWA
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-4
Title
ELC - Phase 1
Notes
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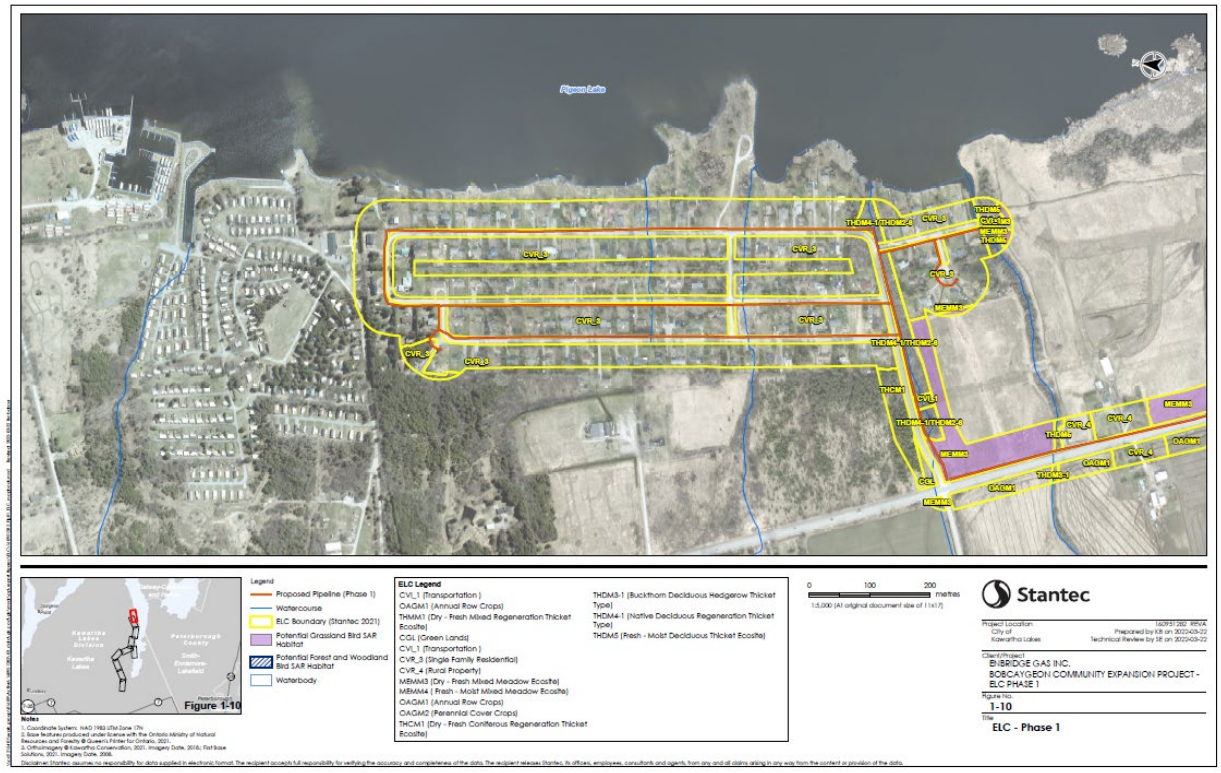

THMM1/MEMM3
CVR_4
OAGM2
OAG
MEMM3
MAMM1-12/MAMM1-2
THMM1
OAGM1
THDM3-1
OAGM4
THDM3-1
OAGM1
OAGM1
CVR_4/THCM3
THMM1
CVR_4
OAGM1
MEMM3
FOMM4-2
SWTM3
OAGM4
CVR_4
OAG
CVR_4
OAGM1
FOMM4-2
Figure 1-5
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_4 (Rural Property)
FOMM4-2 (Dry – Fresh White Cedar – Poplar Mixed Forest Type)
MAMM1-12 (Common Reed Graminoid Mineral Meadow Marsh Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAG (Open Agriculture)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
SWTM3 (Willow Mineral Deciduous Thicket Swamp Ecosite)
THDM3-1 (Buckthorn Deciduous Hedgerow Thicket Type)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
0 100 200 metres
1:5,000 (At original document size of 11x17)
Notes
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Stantec
Project Location
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-5
Title
ELC - Phase 1


Pigeon Lake
CVR_4/CVR_3
SAF_1
THDM4-1/THDM2-4
CVR_4/CVR_2
TAOM1
OAGM1
MEMM3/THDM2
THDM4-1/THDM2-4
FODM8-1
OAGM2
CVR_4
THMM1
CVR_4/CVR_3
OAGM4
CVR_4
CVR_4/THCM1-1
MEMM3
WODM4
THMM1
THMM1/MEMM3
THCM2-1
WODM5-1
Figure 1-6
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_4 (Rural Property)
FODM8-1 (Fresh – Moist Poplar Deciduous Forest Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
SAF_1 (Floating-leaved Shallow Aquatic Ecosite)
TAOM1 (Coniferous Plantation)
THCM2-1 (Fresh - Moist White Cedar Coniferous Thickte Type)
THDM4 (Dry - Fresh Deciduous Regeneration Thicket Ecosite)
THDM4-1 (Native Deciduous Regeneration Thicket Type)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
WODM4 (Dry - Fresh Deciduous Woodland Ecosite)
WODM5-1 (Fresh - Moist Poplar Deciduous Woodland Type)
0 100 200 metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
160931260 RPT-A
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-6
Title
ELC - Phase 1
Notes
1. Coordinate System: NAD 1983 UTM Zone 17N
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THDM2-6
MEMM5
OAGM1
CVR_4
MEMM3
OAGM3
FODM5-10
FOMM5
THMM1
THMM1/MEMM3
WODM4
CVR_4/THDM2-6
OAG
CVR_4/THMM2
OAGM4
OAGM2
THMM1/MEMM3
Figure 1-7
Legend
Breeding Bird Count Station
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVR_4 (Rural Property)
FODM5-10 (Dry – Fresh Sugar Maple – White Birch – Poplar Deciduous Forest Type)
FOMM5 (Dry – Fresh White Birch – Poplar – Conifer Mixed Forest Ecosite)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAG (Open Agriculture)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
TAOM1 (Coniferous Plantation)
THDM2-6 (Buckthorn Deciduous Shrub Thicket Type)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
WODM4 (Dry - Fresh Deciduous Woodland Ecosite)
0
100
200
metres
1:3,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-7
Title
ELC - Phase 1
Notes
1. Coordinate System: NAD 1983 UTM Zone 17N
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Pigeon Lake
SAF_1
MASO1-1
CVR_4
OAG
CVR_4/CVR_5
OAGM1
THDM2
THMM3/SWT
OAGM4
MEMM2
THDM2-6
Figure 1-8
Legend
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Waterbody
ELC Legend
CVR_4 (Rural Property)
MASO1-1 (Cattail Organic Shallow Marsh Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
OAG (Open Agriculture)
OAGM1 (Annual Row Crops)
OAGM4 (Open Pasture)
SAF_1 (Floating-leaved Shallow Aquatic Ecosite)
THDM2-6 (Buckthorn Deciduous Shrub Thicket Type)
THDM3 (Dry - Fresh Deciduous Hedgerow Thicket Ecosite)
THMM2 (Fresh - Moist Mixed Thicket Ecosite)
0 100 200 metres
Stantec
Project Location
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-8
Title
ELC - Phase 1


Pigeon Lake
CVR_5
THDM4-1/THDM2-6
THDM5
MEMM3
MEMM4
CVL_1
THDM1
MEMM4/THDM2-6
OAGM2
THDM3-1
UEMM2-1
CVR_4
THDM2-6
MASO1-1
THMM2-BWL
OAGM1
WODM4
FODM5-11
Figure 1-9
Legend
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Marsh Bird SAR Habitat
Potential Turtle SAR Habitat
Potential SAR Bat Roost Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVL_1 (Transportation)
OAGM1 (Annual Row Crops)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
CGL (Green Lands)
CVL_1 (Transportation)
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
FODM5-11 (Dry – Fresh Sugar Maple – Hardwood Deciduous Forest Type)
MASO1-1 (Cattail Organic Shallow Marsh Type)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
MEMM4 (Fresh - Moist Mixed Meadow Ecosite)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
OAGM4 (Open Pasture)
THDM1 (Dry - Fresh Coniferous Regeneration Thicket Ecosite)
THDM2-6 (Buckthorn Deciduous Shrub Thicket Type)
THDM3-1 (Buckthorn Deciduous Hedgerow Thicket Type)
THDM4-1 (Native Deciduous Regeneration Thicket Type)
THDM5 (Fresh - Moist Deciduous Thicket Ecosite)
THMM2 (Fresh - Moist Mixed Thicket Ecosite)
WODM4 (Dry - Fresh Deciduous Woodland Ecosite)
0 100 200 metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-9
Title
ELC - Phase 1
Notes
1. Coordinate System: NAD 1983 UTM Zone 17N
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Pigeon Lake
CVR_5
CVR_3
CVR_2
CVR_1
CVR_4
THDM1
THDM-1/THDM2-1
MEMM1
MEMM4
THDM5
CGL
OAGM1
OAGM2
THDM3-1
Figure 1-10
Legend
Proposed Pipeline (Phase 1)
Watercourse
ELC Boundary (Stantec 2021)
Potential Grassland Bird SAR Habitat
Potential Forest and Woodland Bird SAR Habitat
Waterbody
ELC Legend
CVI_1 (Transportation)
OAGM1 (Annual Row Crops)
THMM1 (Dry - Fresh Mixed Regeneration Thicket Ecosite)
CGL (Green Lands)
CVI_1 (Transportation)
CVR_3 (Single Family Residential)
CVR_4 (Rural Property)
MEMM3 (Dry - Fresh Mixed Meadow Ecosite)
MEMM4 (Fresh - Moist Mixed Meadow Ecosite)
OAGM1 (Annual Row Crops)
OAGM2 (Perennial Cover Crops)
THCM1 (Dry - Fresh Coniferous Regeneration Thicket Ecosite)
THDM3-1 (Buckthorn Deciduous Hedgerow Thicket Type)
THDM4-1 (Native Deciduous Regeneration Thicket Type)
THDM5 (Fresh - Moist Deciduous Thicket Ecosite)
0
100
200
metres
1:5,000 (At original document size of 11x17)
Stantec
Project Location
City of Kawartha Lakes
Prepared by KB on 2022-03-22
Technical Review by SE on 2022-03-22
Client/Project
ENBRIDGE GAS INC.
BOBCAYGEON COMMUNITY EXPANSION PROJECT - ELC PHASE 1
Figure No.
1-10
Title
ELC - Phase 1

Line-item attachment 5.54

From: Melanie Green
To: francis@francischua.com; JordonM@curvelake.ca; JulieK@curvelake.ca; KaitlinH@curvelake.ca; kayla@francischua.com
Cc: Lauryn Graham
Subject: Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment
Date: Thursday, May 12, 2022 10:52:04 AM

Good morning,

I have been given information related to; PHASE 1 Ecological Land Classification and Habitat Assessment related to Bobcaygeon Community expansion project – should you be interested in reviewing, the information to access below.
As always, your feedback is appreciated and Enbridge acknowledges that capacity support may be required in order engage in timely reviews of the documents, participation in archaeological work associated with proposed projects, and to engage in meaningful consultation. We are prepared to provide capacity funding to support this work.

Should time allow, we would appreciate comments and feedback by **June 8th, 2022** – if you force requiring more time, please let me know.

Thank you and have a fabulous day!

Mel

Login Information

Browser link: https://tmpsftp.stantec.com
FTP Client Hostname: tmpsftp.stantec.com **Port**: 22 (can be used within a SFTP client to view and transfer files and folders; e.g., FileZilla)
Login name: s0518142202
Password: 7969419
Disk Quota: 20 GB
Expiry Date: 5/18/2022

Line-Item Attachment 5.61

From:	Francis M. Chua
To:	Melanie Green
Cc:	Lauryn Graham; Julie Kapyrka; Kaitlin Hill (Curve Lake) (KaitlinH@curvelake.ca); Kayla Wright; Gary Pritchard; Emily Whetung; Katie Young-Haddlesey; info@4directionsconservation.com
Subject:	[External] Re: Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment
Date:	Monday, June 6, 2022 9:59:45 AM
Attachments:	CLFN Enbridge Bobcaygeon ELC Review.pdf

CAUTION! EXTERNAL SENDER
Were you expecting this email? TAKE A CLOSER LOOK. Is the sender legitimate?
DO NOT click links or open attachments unless you are 100% sure that the email is safe.

Good morning Melanie.

I hope you had a great weekend.

I am sending this on behalf of Curve Lake First Nation.

Thanks.

~ Francis

Government Services Building
22 Winookeedaa Road
Curve Lake, Ontario K0L1R0

Phone: 705.657.8045
Fax: 705.657.8708
www.curvelakefirstnation.ca

June 6th 2022

Melanie Green
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Enbridge Inc.
Melanie.green@enbridge.com
619-297-4365

CC: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project Team

Delivered by Email

Dear Ms. Green,

RE: CLFN's Review of Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment 2021

On behalf of our Consultation Department at Curve Lake First Nation (CLFN), we are writing to provide the Environmental Report review for the Bobcaygeon Community Expansion project:

- *Technical Memo Prepared by Stantec Consulting Ltd. (Brian Miller), to Sarah Kingdon-Benson of Enbridge Gas Inc. Dated May 10, 2022. 18 pages.*

Our Consultation Department has accepted the review and recommendations provided by Gary Pritchard, Principal, Indigenous Conservation Ecologist, 4 Directions of Conservation Consulting Services. Please refer to Appendix for details on the review of the Phase 1 Ecological Land Classification and Habitat Assessment including recommendations.

Our Consultation Department has emphasized that environmental protection and sustainability is an integral component of the future of the Curve Lake First Nation. Working with Curve Lake to develop project concept, design, planning, assessment, potential and actual impacts, monitoring, etc. are necessary steps in our process. All plans and activities must be viewed through the lens of environmental protection and sustainability. These requirements ensure that Curve Lake First Nation's interests and rights are being protected within our territory; that we are able to protect the ability to exercise our rights as a people – physically, culturally, and spiritually; that we are able to foster sovereignty, cultural identity, and sustainable succession. This is central to all relationships being progressed with various regulators and proponents.

Curve Lake First Nation is the steward and caretaker of the lands and waters within our territory in perpetuity, as we have been for thousands of years, and we have an obligation to continue to steadfastly maintain this responsibility to ensure their health and integrity for generations to come. Protection, conservation, and sustainable collaborative management are priorities for Curve Lake First Nation.

June 5th, 2022

Attn: Consultation Department
Curve Lake First Nation
22 Winookeeda Road,
Curve Lake ON K0L1R0
P: (705) 657-8045

CC: **Francis Chua**

RE: Enbridge ~ Review of Enbridge Gas Inc. Bobcaygeon Community Expansion Project- Phase 1 Ecological Land Classification and Habitat Assessment 2021.

Dear Dr. Kapyrka and Ms. Hill,

4 Directions is pleased to present to you, our review and recommendations of the document provided by Stantec Consulting Ltd. (Stantec) to Curve Lake First Nation (CLFN) on behalf of the Enbridge Gas Inc. (Enbridge) as part of their regulatory consultation obligations and permitting process for the Bobcaygeon Community Expansion Project (BCEP).

The report received was entitled:

a) Technical Memo Prepared by Stantec Consulting Ltd. (Brian Miller), to Sarah Kingdon-Benson of Enbridge Gas Inc. Dated May 10, 2022. 18 pages.

The focused attention of this review and commenting, 4 Directions will be examining or asking questions on items or references with greatest potential to create impacts to Indigenous Rights and Title. Comments will be divided amongst 5 sections:

I. General Questions or Comments to Issues Raised within the Context of Reporting,
II. Indigenous Worldview and Cultural Representation,
III. Technical Accuracy within the Approach,
IV. Concerns From Site Visit and
V. Outcomes and Recommendations.

1. General Questions or Issues Raised within the Context of Reporting

No comment.

2. Indigenous Worldview and Cultural Representation

There were no Indigenous worldviews or knowledge systems used in the creation of the environmental report, Enbridge's environmental team has not been listening or understanding the rights to these lands that have been expressed in past correspondence. Clearly, Enbridge's environmental team needs further education on the rights held by CLFN and how to do their assessments with a focus being adhering to Section 35 of the Canadian constitution. Studies of this nature (ELC) should be completed in tandem with Indigenous knowledge systems to save costs to the overall project and answer both Indigenous and Settler worldviews and requirements.

Enbridge's environmental team needs to identify and adhere to the protection of rights held by Indigenous people when completing and assessment or designing a monitoring program.

Stop and Think: Due to the Settler/Colonial behavior of this area, many members of CLFN were forced to gather medicinal plants and other items within the roadside ditches/allowance. Thus, this work could have a larger impact then expected or predicted by Enbridge.

Action: Additional environmental studies may be required after the completion of the Indigenous knowledge study. Inadvertently, further offsetting or compensation may be required to CLFN to reverse the alteration or limitation of gathering rights to the area by the proposed construction or site alterations.

- Impacts to baitfish harvesting should be considered for this proposed project.
- Impacts to medicinal plant harvesting should be considered for this project.

3. Technical Accuracy with the Approach

Action: Enbridge and CLFN must develop an Environmental Monitoring Plan that suits the needs of CLFN to ensure cultural longevity during and post construction of this project. Some of the i information lacking from this environmental memo which needs to be included:

- Indigenous Areas of Use,
- Polygons or ELC units of high Indigenous value, and
- Restoration of Cultural Keystone Species.

Statement: Designs, project implementations or milestones must account for Indigenous harvesting Rights within the identified features of value. The project schedule will be delineated by Indigenous people and their cultural identity and not solely on Settler based construction timing windows.

Statement: All wetlands identified within the 120 m right of way have a cultural significance and are granted protections through the treaty making process. Enbridge needs to work with CLFN to clearly define these boundaries and adhere to the treaty.

Action: Stantec needs to provide a detailed plant community list observed in the field during the ELC process so that CLFN and 4 Directions can evaluate the cultural keystone species potentially impacted. This has been stated to Enbridge's environmental team on countless occasions.

Statement: The following species has been identified within the ROW of the project area by members of CLFN and 4 Directions ecological team:

- Eastern whip-poor-will (also a cultural keystone species).
- Blanding's Turtle (also a cultural keystone species).
- Bobolink.
- Eastern meadowlark.
- Barn Swallow.

a) Concerns from Site Visit

Site features will be confirmed and documented in the field during the June Field Verification Trip.

b) Outcomes and Recommendations

The following recommendations are based on the information provided by Stantec to Enbridge within the content of the technical memo noted above. Since there is critical information required by CLFN to fully assess the potential impacts to rights in this area, these recommendations do not represent an exhaustive list prior to project initiation. Enbridge has a legal responsibility to make sure that the CLFN is satisfied and accommodated prior to project implementation.

30 Moir Cres, Barrie ON L4N8B6
(p): (705) 220-1952
(e): gpritchard@4directionsconservation.com

4 DIRECTIONS

1) Since culturally sensitive features are protected in the Treaty's signed by the Michi Saagiig then appropriate environmental buffers should be negotiated with the Rights holders and the ones who grant harm or destruction to the Rights under Section 35 of the Canadian Constitution. This may extend beyond the industry standard.
2) Environmental Damages and Contingency: There is no retribution or contingency programing for the potential contamination to the Indigenous Territory and impact to harvesting or gathering rights.
3) Site restoration and planting designs will require inputs from CLFN using Indigenous Knowledge Systems.
4) Understanding or minimizing the impacts to amphibian populations with emphasis on bullfrog and green frog populations since there are a traditional food source of the Michi Saagiig and are still used to this day.
5) CLFN objective is to ensure that any construction activity within their territory are continuously and proactively monitored that prevents harmful impacts of deleterious substance (such as sediment and silts) from getting into local receiving streams.
   Site Inspections and Ecological Construction Monitoring is a critical component of any construction project. Most site inspections focus on sediment control and may not include assessing impacts on other significant features such as wetlands, fish habitat. Monitoring stations need to be developed and assessed based on potential pathways by which the project can induce harm to the environment. A detailed site-specific monitoring plan will need to be generate and implemented with CLFN and the project team, and then submitted to the regulatory agencies as part of the proponent's compliance monitoring and Duty to Consult obligations.
   Examples of monitoring activities included but not limited to the following:
   - Contractor Education
   - Erosion and Sediment Control Measures
   - Construction Noise monitoring
   - Wildlife Exclusion and Protection Measures from ROW and work areas
   - Fish rescues
   - Nesting Turtle Monitoring and Salvage- Turtle rescues in this area have happened as late as December 5th. This will be done by CLFN.
   - Long-term Natural Heritage Monitoring
     - Wetlands
     - Surface water
     - Woodlots
     - Nesting bird
     - Amphibians and Reptiles
     - Buffer placement
     - Groundwater
     - Stream health
     - Wildlife corridor and connectivity
6) CLFN has the right to add to this list of requirements at any time but should approached the proponent in the spirit of reconciliation and under the Duty to Consult and Accommodate.

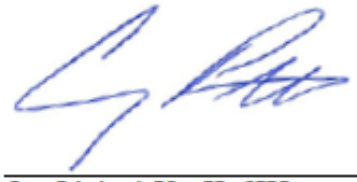
30 Moir Cres, Barrie ON L4N8B6
(p): (705) 220-1952
(e): gpritchard@4directionsconservation.com

4 DIRECTIONS

Closing

I trust that this review and summary of the environmental documents will help you and the proponent work collaboratively together through the next steps and the regulatory review process. If you have any questions, please do not hesitate to contact me at (705) 220-1952.

Miigwetch,



Gary Pritchard, BSc., EP., CERP.

Principal, Indigenous Conservation Ecologist
4 Directions of Conservation Consulting Services.
(e): gpritchard@4directionsconservation.com
(p): (705) 220.1952

Line-item attachment 5.75

From:	Melanie Green
To:	Francis M. Chua
Cc:	Lauryn Graham; Julie Kapyrka; Kaitlin Hill (Curve Lake) (KaitlinH@curvelake.ca); Kayla Wright; Gary Pritchard; Emily Whetung; Katie Young-Haddlesey; info@4directionsconservation.com
Subject:	RE: Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment
Date:	Wednesday, July 20, 2022 9:05:45 AM
Attachments:	ELC Responses Bobcaygeon Curve Lake First Nation.pdf

Good morning,

Thank you again for your comments on the; Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment. We have reviewed and provided comments.

Please have a look at our comments and let us know if you any need clarification or more information is required.

Again, thank you and have a good day!

Mel

Bobcaygeon Community Expansion Project (Project) – Enbridge Gas Inc.'s Responses to Curve Lake First Nation

Table 1: Enbridge Gas Inc. (Enbridge) Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment- Responses to Curve Lake First Nation (CLFN) comments		
Item	CLFN Responses	Enbridge responses
General Questions or Issues Raised within the Context of Reporting		
1. Indigenous Worldview and Cultural Representation		
1.1	Action: Additional environmental studies may be required after the completion of the Indigenous knowledge study. Inadvertently, further offsetting or compensation may be required to CLFN to reverse the alteration or limitation of gathering rights to the area by the proposed construction or site alterations. • Impacts to baitfish harvesting should be considered for this proposed project. • Impacts to medicinal plant harvesting should be considered for this project	**Enbridge acknowledges this statement from CLFN. Once the Indigenous Knowledge Study is complete and information is shared with Enbridge, additional studies and/or mitigation may be developed if the proposed pipeline conflicts with culturally significant features.** **The Project is also proposed to be within municipal road right-of-way with some Temporary Workspace (TWS) required on privately-owned land.** **The Project is not anticipated to impact fisheries (including bait fishing harvesting) as there are no proposed in-water works. Enbridge will maintain a 30 m setback from fisheries resources during construction as installation will occur via HDD.** **Current mitigation and contingency measures for aquatic species and aquatic habitats are noted in the Environmental Report (ER), Table 5.1 under the Aquatic Species at Habitat (Section 3.3.1) row and contingency measures for watercourse sedimentation are provided in Section 7.2.4 Watercourse Sedimentation.** **Current mitigation measures for vegetation are included in the ER, Table 5.1 under the Forest and Vegetation Cover (Section 3.3.2) row. Enbridge would be interested in any further information regarding the location of medicinal plants harvested by the CLFN in order to assist in implementation of these mitigation measures in relation to such plants.**
2. Technical Accuracy with the Approach		
2.1	Action: Enbridge and CLFN must develop an Environmental Monitoring Plan that suits the needs of CLFN to ensure cultural longevity during and post construction of this project. Some of the information lacking from this	**Monitoring and contingency plans are noted in section 7.0 of the ER.** **In addition, an Environmental Protection Plan (EPP) will be prepared to support field staff to adhere to regulatory requirements, ER**

	environmental memo which needs to be included: • Indigenous Areas of Use, • Polygons or ELC units of high Indigenous value, and • Restoration of Cultural Keystone Species.	**commitments as well as mitigation measures and commitments determined through follow-up field work and the consultation program.** **Enbridge also conducts monitoring at 3-months and 15-months post-construction and generates the respective reports which are submitted to the Ontario Energy Board (OEB) as part of Enbridge's Conditions of Approval for the Project. The scope of these reports is to document any remaining impacts from construction, any additional restoration required to restore these areas, and any exceptional items that came up during construction of the Project. The reports also document any concerns received during construction of the Project and how Enbridge has addressed these concerns.** **Please note that the proposed Project is primarily underground infrastructure, and it is Enbridge Gas' goal to complete surface reclamation to pre-existing conditions and monitoring will continue until the goal is achieved.** **Should the community have additional recommendations on monitoring, Enbridge welcomes the opportunity to better understand CLFN's environmental priorities, suggestions, and approaches.** **After the Indigenous Knowledge Study, if CLFN has areas of concern they would like highlighted, including Indigenous Areas of Use, Units of High Indigenous Value, Cultural Keystone Species, etc., Enbridge can incorporate this into the EPP and work with CLFN to develop mitigation measures, as appropriate.**
2.2	Statement: Designs, project implementations or milestones must account for Indigenous harvesting Rights within the identified features of value. The project schedule will be delineated by Indigenous people and their cultural identity and not solely on Settler based construction timing windows.	**Enbridge acknowledges the importance of protection of culturally sensitive features and encourages CLFN to provide input into recommended timing windows for these features and an explanation as to why the timing windows are appropriate, recognizing that the majority of the Project is within municipal road right-of-way.**
2.3	Statement: All wetlands identified within the 120 m right of way have a cultural significance and are granted	**Enbridge acknowledges the significance of wetlands to CLFN.**

	protections through the treaty making process. Enbridge needs to work with CLFN to clearly define these boundaries and adhere to the treaty.	**Wetlands within 120m of the preferred route (Study Area) were delineated based on available information. The purpose of the field ELC survey was to confirm wetlands in existing provincial databases while also identifying wetlands that are not part of the existing provincial database.** **An ELC study was completed for Phase 1 of the Project (which is what was reviewed by CLFN and is the basis for these responses) and additional ELC field verification studies will be completed this summer for Phases 2-3 of the Project These studies will be forwarded to CLFN for review and comment.** **Wetlands will be crossed via HDD to minimize disturbances. Locations and mitigation measures for the protection of wetlands are in Section 3.3.3 and Figure C-2 and Table 5.1 under Wetlands (Section 3.3.3) of the ER, respectively.** **Enbridge Gas will maximize setbacks from wetlands where possible; however, some limited surface disturbances to vegetated wetlands may be required which will be reclaimed immediately after construction to achieve the goal of meeting pre-disturbance conditions. No open aquatic habitats will be impacted during construction.**
2.4	Action: Stantec needs to provide a detailed plant community list observed in the field during the ELC process so that CLFN and 4 Directions can evaluate the cultural keystone species potentially impacted. This has been stated to Enbridge's environmental team on countless occasions.	**The current ELC for Phase 1 of the Project was completed in October, in which a plant list could not be collected due to the time of year.** **Field studies, which included butternut, eastern prairie fringed orchid and black ash surveys, were completed July 6-8. Additional information related to these field studies, including a complete list of plants observed in the field, will be captured in a memo to be distributed shortly to CLFN for review.** **CLFN has been provided the opportunity to participate in field surveys.**
2.5	Statement: The following species has been identified within the ROW of the project area by members of CLFN and 4 Directions ecological team: • Eastern whip-poor-will (also a cultural keystone species).	**Enbridge Gas thanks CLFN for providing this information.** **Targeted surveys for Bobolink, Eastern Meadowlark, and Eastern-Whip-Poor-Will were conducted in June and July of 2022.**

	• Blanding's Turtle (also a cultural keystone species). • Bobolink. • Eastern meadowlark. • Barn Swallow.	**Barn swallow impacts are not expected as disturbance to culverts and bridges are not anticipated. Watercourse crossings are planned to be completed by Horizontal Directional Drilling (HDD), which involves digging entry and exit pits 15-30m from watercourses and drilling underneath the watercourse. This prevents disturbances to watercourse beds, banks, culverts and.** **Blanding's Turtle habitat (i.e., wetlands, some watercourses) will be protected by adhering to active timing windows (where possible) and installation of exclusion fencing and conducting nest sweeps, when required.** **Mitigation measures Species at Risk are included in Table 5-1 "Wildlife, Wildlife Habitat and Species at Risk Section 3.3.4" of the Environmental Report.**
2.6	The following recommendations are based on the information provided by Stantec to Enbridge within the content of the technical memo noted above. Since there is critical information required by CLFN to fully assess the potential impacts to rights in this area, these recommendations do not represent an exhaustive list prior to project initiation. Enbridge has a legal responsibility to make sure that the CLFN is satisfied and accommodated prior to project implementation. 1) Since culturally sensitive features are protected in the Treaty's signed by the Michi Saagiig then appropriate environmental buffers should be negotiated with the Rights holders and the ones who grant harm or destruction to the Rights under Section 35 of the Canadian Constitution. This may extend beyond the industry standard. 2) Environmental Damages and Contingency: There is no retribution or contingency programing for the	**1. Enbridge acknowledges the importance of protection of culturally sensitive features and encourages CLFN to provide input into recommended buffers for these features, including an explanation of why such buffers are appropriate.** **2. Monitoring and contingency plans are noted in section 7.0 of the ER. The Project, which is comprised of primarily underground infrastructure, is proposed to be within municipal road right-of-way with some Temporary Workspace (TWS) required on privately-owned land. Enbridge would like to further its understanding of this statement and welcomes any further information from the CLFN regarding specific concerns.** **3. The Project is proposed to be within municipal road right-of-way with some TWS required on privately-owned land. Certain of these areas are regulated by the Otonabee Regional Conservation Authority or**

	potential contamination to the Indigenous Territory and impact to harvesting or gathering rights. 3) Site restoration and planting designs will require inputs from CLFN using Indigenous Knowledge Systems. 4) Understanding or minimizing the impacts to amphibian populations with emphasis on bullfrog and green frog populations since there are a traditional food source of the Michi Saagiig and are still used to this day. 5) CLFN objective is to ensure that any construction activity within their territory are continuously and proactively monitored that prevents harmful impacts of deleterious substance (such as sediment and silts) from getting into local receiving streams. Site Inspections and Ecological Construction Monitoring is a critical component of any construction project. Most site inspections focus on sediment control and may not include assessing impacts on other significant features such as wetlands, fish habitat. Monitoring stations need to be developed and assessed based on potential pathways by which the project can induce harm to the environment. A detailed site-specific monitoring plan will need to be generate and implemented with CLFN and the project team, and then submitted to the regulatory agencies as part of the proponent's compliance monitoring and Duty to Consult obligations. Examples of monitoring activities included but not limited to the following: • Contractor Education • Erosion and Sediment Control Measures • Construction Noise monitoring • Wildlife Exclusion and Protection Measures from ROW and work areas • Fish rescues • Nesting Turtle Monitoring and Salvage- Turtle rescues in this area have happened as late as December 5th. This will be done by CLFN.	**Kawartha Conservation Authority.). Enbridge has committed to reclaim the site to pre-existing conditions and/or as directed by the deeded landowners. If there are any additional reclamation recommendations, Enbridge would be open to CLFN's suggestions.** **4. Enbridge acknowledges the importance of reducing potential impacts to amphibian populations including bullfrog and green frog populations since they are a traditional food source of the Michi Saagiig. Construction in aquatic environments that support the life cycle of bullfrog, green frogs and other amphibians will be avoided to reduce the potential impacts to future populations of amphibians. The pipeline will be installed by horizontal directional drilling under these features to reduce and attempt to eliminate effects on the environments that support amphibians. Mitigation measures for amphibians and other wildlife and wildlife habitat are included in Table 5-1 Wildlife, Wildlife Habitat and Species at Risk (Section 3.3.4).** **5. An Environmental Inspector (EI) will attend Project construction activities regularly to inspect environmental conditions including erosion and sediment control (ESC) measures, SAR habitat and aquatic habitat, including watercourses and wetlands. It will be within the scope of the EI to monitor the items outlined in your comment and other concerns outlined in the ER. The EI will be qualified and properly trained with significant experience related to the mitigation of impacts to sensitive environmental features. Section 7.0 of the ER details Monitoring and Contingency Plans for the Project. In addition, the Project**

	• Long-term Natural Heritage Monitoring o Wetlands o Surface water o Woodlots o Nesting bird o Amphibians and Reptiles o Buffer placement o Groundwater o Stream health o Wildlife corridor and connectivity 6) CLFN has the right to add to this list of requirements at any time but should approached the proponent in the spirit of reconciliation and under the Duty to Consult and Accommodate.	**EPP will detail monitoring requirements, including requirements for erosion and ESC measures and those matters listed in your comments.** **Enbridge encourages the CLFN to provide any additional recommendations on monitoring.** **6. Enbridge recognizes the need for and commits to ongoing engagement. As such, Enbridge continues to be interested in understanding CLFN's viewpoints on the conditions of the land. Enbridge welcomes the opportunity to better understand CLFN's environmental priorities, suggestions, and approaches.**

Line-item attachment 5.97

From: Melanie Green
To: francis@francischua.com; JordonM@curvelake.ca; JulieK@curvelake.ca; KaitlinH@curvelake.ca; kayla@francischua.com
Cc: Lauryn Graham
Subject: Bobcaygeon Community Expansion Project - Stage 1 AA MTCS
Date: Tuesday, September 13, 2022 8:51:17 AM

God morning,

Please see attached FTP site related to the Stage 1 AA pertaining to Bobcaygeon Community Expansion Project – We have been provided the report as it has been accepted by the MTCS. We are interested in your review and feedback –

Login Information

Browser link: https://tmpsftp.stantec.com
FTP Client Hostname: tmpsftp.stantec.com **Port:** 22 (can be used within a SFTP client to view and transfer files and folders; e.g., FileZilla)
Login name: s0916131613
Password: 2177426
Disk Quota: 20 GB
Expiry Date: 9/23/2022

thank you and have a great day!

Mel

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

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Line-item attachment 5.120

From: Melanie Green
To: francis@francischua.com; JulieK@curvelake.ca; KaitlinH@curvelake.ca; kayla@francischua.com; TiffanyM
Cc: Lauryn Graham
Subject: Phases 1-3 Ecological Land Classification (ELC) memo - Bobcaygeon Community Expansion Project
Date: Wednesday, November 16, 2022 11:13:21 AM

Good morning,

Please see below ELC pertaining to Bobcaygeon – we look forward to your review and comment.

https://esites.enbridge.com/sites/bce/Planning%20Design%20and%20Procurement/3.%20Environmental/6.%20Natural%20Heritage/Phases%201-3/mem_60951282_ELC_BB_Memo_Phases1-3_20221111_fnl_signed.pdf

as always, please be reminded that Enbridge Gas acknowledges that capacity support may be required to enable you to engage in timely technical reviews of documents, participation in field work associated with the proposed Project, and to allow for meaningful consultation.

We are asking whether comments can be received by December 19th, 2022 – please let us know if you may be faced with requiring more time.

Have a great day!

Mel

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

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Line-item attachment 5.134

From: Melanie Green
To: francis@francischua.com; JulieK@curvelake.ca; KaitlinH@curvelake.ca; kayla@francischua.com; TiffanyM
Cc: Lauryn Graham
Subject: Stage 2 AA - Bobcaygeon Community Expansion Project (Memo)
Date: Thursday, February 16, 2023 2:18:11 PM
Attachments: 160951282_2022_arch_field_memo_rev.pdf

Good afternoon,

We just received an archaeological field memo detailing high level results/pictures from the Stage 2 AA field work for Phases 1-2 and photo documentation for Phase 3, related to the Bobcaygeon Community Expansion Project. A detailed report is forthcoming and as soon as it is received, I will send it off for review and comment.

Should you have any questions, please reach out.

Thank you in advance,

Mel

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

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Line-item attachment 5.139

From:	Francis M. Chua
To:	Melanie Green; Lauryn Graham
Cc:	KeithK@curvelake.ca; Katie Young-Haddlesey; Kaitlin Hill (Curve Lake) (KaitlinH@curvelake.ca); TiffanyM; Paige Williams; Kayla Wright
Subject:	[External] Submission: Phases 1-3 Ecological Land Classification (ELC) memo - Bobcaygeon Community Expansion Project
Date:	Friday, February 17, 2023 1:27:28 PM
Attachments:	image001.png CLFN Enbridge Bobcaygeon ELC Review.pdf

CAUTION! EXTERNAL SENDER
Were you expecting this email? TAKE A CLOSER LOOK. Is the sender legitimate? DO NOT click links or open attachments unless you are 100% sure that the email is safe.

Hi Melanie.

On behalf of Curve Lake First Nation, here is the submission.

Thanks and have a good weekend.

~ Francis

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22 Winookeedaa Road
Curve Lake, Ontario K0L1R0

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Fax: 705.657.8708
www.curvelakefirstnation.ca

February 17, 2023

Melanie Green
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Enbridge Inc.
Melanie.green@enbridge.com
619-297-4365

CC: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project Team

Delivered by Email

Dear Ms. Green,

RE: CLFN's Review of Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phases 1-3 Ecological Land Classification, Breeding Bird, and Habitat Assessment (2021-2022)

On behalf of our Consultation Department at Curve Lake First Nation (CLFN), we are writing to provide the Environmental Report review for the Bobcaygeon Community Expansion project - Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phases 1-3 Ecological Land Classification, Breeding Bird, and Habitat Assessment (2021-2022) by Stantec Consulting Ltd.

Our Consultation Department has accepted the review and recommendations provided by 4 Directions of Conservation Consulting Services. Please refer to Appendix for details on the review of the Phases 1-3 Ecological Land Classification, Breeding Bird, and Habitat Assessment, including recommendations.

Our Consultation Department has emphasized that environmental protection and sustainability is an integral component of the future of the Curve Lake First Nation. Working with Curve Lake to develop project concept, design, planning, assessment, potential and actual impacts, monitoring, etc. are necessary steps in our process. All plans and activities must be viewed through the lens of environmental protection and sustainability. These requirements ensure that Curve Lake First Nation's interests and rights are being protected within our territory; that we are able to protect the ability to exercise our rights as a people – physically, culturally, and spiritually; that we are able to foster sovereignty, cultural identity, and sustainable succession. This is central to all relationships being progressed with various regulators and proponents.

Curve Lake First Nation is the steward and caretaker of the lands and waters within our territory in perpetuity, as we have been for thousands of years, and we have an obligation to continue to steadfastly maintain this responsibility to ensure their health and integrity for generations to come. Protection, conservation, and sustainable collaborative management are priorities for Curve Lake First Nation.

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Curve Lake's vision statement must be central to development in the territory: "Upon the foundation of community values and vision that promotes and preserves our relationship with mother earth, which has defined and will continue to define our identity and culture as Anishnaabe People, the Consultation Department will build and secure the framework for our First Nation lands by putting into place ways and laws that will provide both the protection and the freedom for each person, their family, and the whole community to fulfill their potential. Each way and law will be given the consideration to its importance for our next seven generations."

We thank you, your team, and Enbridge for working with us to understand and incorporate our comments into this Project. We thank you for providing us with capacity to do these reviews. We look forward to continuing our relationship building effort over the coming years.

We do this work to uphold our responsibilities to care for the earth and waters, for our people, our nation, and for all our relations. Our foundational belief is balance; our values and principles are built upon the respect, care, and nurturing of all life as part of an interconnected whole and necessary for the balance and harmony required for Mino-Bimaadiziwin now and for future generations.

Sincerely,

On behalf of the Curve Lake First Nation Consultation Department

Gary Pritchard
Representing Curve Lake First Nation
CEO & Indigenous Conservation Ecologist
4 Directions of Conservation Consulting Services

Francis Chua
Support to CLFN Consultation Department

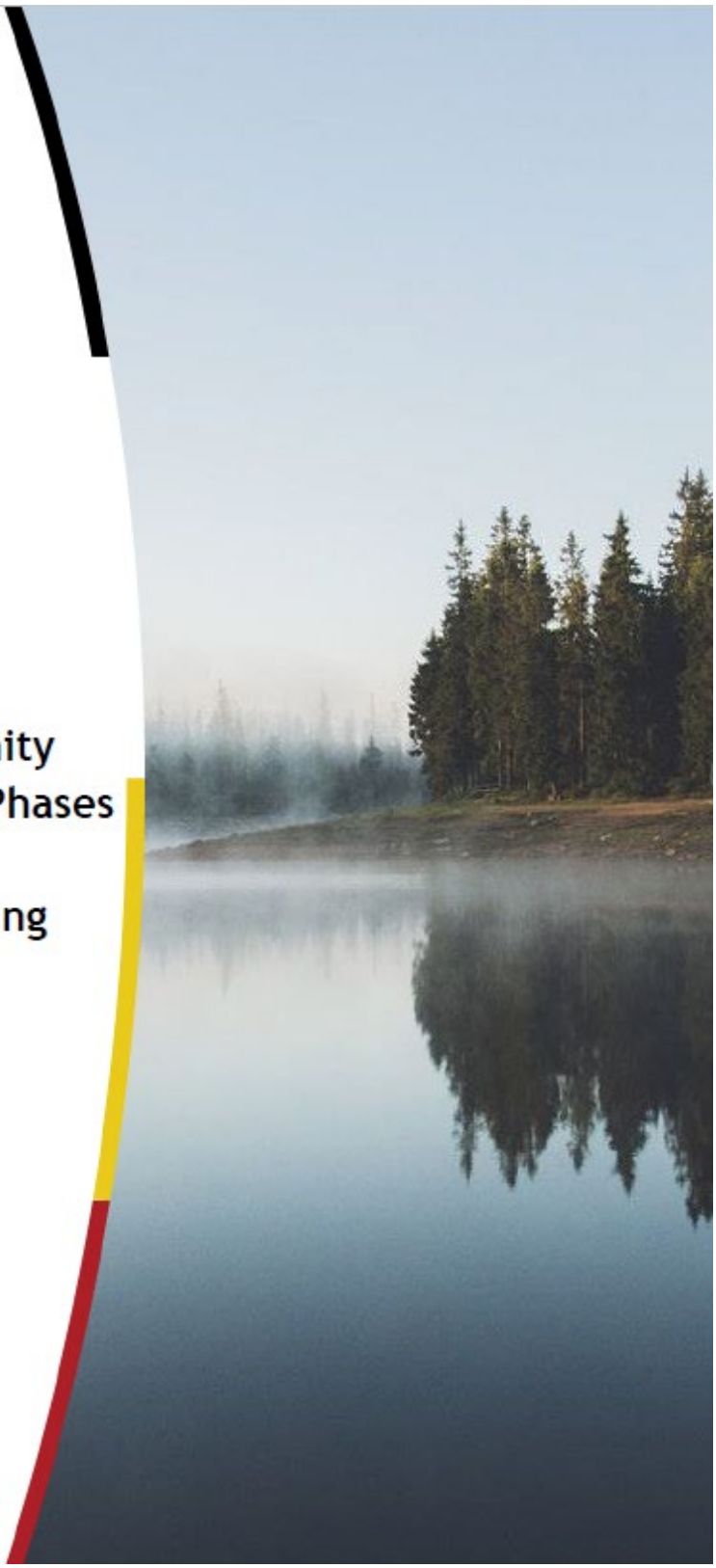
cc:
Chief Keith Knott, Curve Lake First Nation
Katie Young-Haddlesey, Chief Operating Officer, CLFN
Kaitlin Hill, Lands & Resources Consultation Liaison, CLFN
Tiffany McLellan, Archaeology Program Administrator, CLFN
Paige Williams, Consultation Clerk, CLFN

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Appendix A Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phases 1-3 Ecological Land Classification, Breeding Bird, and Habitat Assessment (2021-2022) Review

4 DIRECTIONS
CONSERVATION CONSULTING SERVICES



Enbridge Gas Inc. Bobcaygeon Community Expansion Project - Phases 1-3 Ecological Land Classification, Breeding Bird, and Habitat Assessment Review

Prepared for:

Curve Lake First Nation,
Consultation Department

4 Directions Reference No:
23-036
© February 2023

February 2023

Attn: **Consultation Department**
Curve Lake First Nation
22 Winookeeda Road,
Curve Lake ON K0L1R0
P: (705) 657-8045

RE: Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phases 1-3 Ecological Land Classification, Breeding Bird, and Habitat Assessment (2021-2022) Review

4 Directions File No: 23-036

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4 Directions of Conservation Consulting Services (4 Directions) is pleased to present our review and recommendations regarding documents prepared by Stantec Consulting Ltd. (Stantec). These documents were presented to Curve Lake First Nation (CLFN) from Enbridge Gas Inc. (Enbridge Gas) under their Duty to Consult and Accommodate. 4 Directions' review of the report, *"Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phases 1-3 Ecological Land Classification, Breeding Bird, and Habitat Assessment (2021-2022)"*, is broken down into two main sections. Relevant statements, questions and concerns are identified in the following document under their respective headings:

- Concerns Regarding Michi Saagiig Inherent and Treaty Rights
- Concerns Regarding the Environment

Although it should be noted that 4 Directions acknowledges that the two above-mentioned topics are inextricably linked, the review has been organized under these section headings for clarity purposes. After these sections, 4 Directions provides a brief summary of identified recommendations for Enbridge, followed by closing remarks.

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Background

Stantec's report, titled *"Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phases 1-3 Ecological Land Classification, Breeding Bird, and Habitat Assessment Review"*, was reviewed under the provided context:

"Enbridge Gas Inc. ("Enbridge Gas") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community with affordable natural gas. The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and will consist of approximately 50 kilometers (km) of a combination 6-inch and 8-inch steel and plastic natural gas pipeline. The majority of the work will occur within previously disturbed municipal right-of-way with temporary working spaces (TWS).

The proposed Project consists of four (4) Phases:

- *Phase 1 will include the construction of the Preferred Route for the Supply Lateral from Cowan's Drive and Peace Road to the intersection of Kings Warf Road and Pigeon Lake Road. Construction of Phase 1 is anticipated to commence in Spring 2023. Phase 1 will also include potential distribution pipeline off the Supply Lateral. Design is still being finalized to determine which areas will be serviced by distribution piping.*
- *Phase 2 will include the construction of the Preferred Route for the Supply Lateral from the intersection of Kings Warf Road and Pigeon Lake Road to the intersection of Kawartha Lakes County Road 36 and Duke Street. Construction of Phase 2 is anticipated to commence in Summer 2023.*
- *Phase 2 will also include potential distribution pipeline off the Supply Lateral. Design is still being finalized to determine which areas will be serviced by distribution piping.*
- *Phase 3 will include the construction of the distribution network through Bobcaygeon with the exact route to be determined at a later date. Construction of Phase 3 is anticipated to commence in 2024.*
- *Phase 4: At this time, consultation is ongoing with the Ministry of Transportation (MTO) regarding the Western Reinforcement segment. For this reason, preliminary studies have not been completed for the Phase 4 portion of the Project.*

A memo detailing the results of the vegetation surveys and habitat assessments, dated May 10, 2022, was completed for Phase 1 of the Project. This memo updates the May 10, 2022 report with the addition of vegetation surveys and habitat assessments completed for Phases 2 and 3 as well as the addition of targeted breeding bird and plant species at risk (SAR) surveys for Phases 1-3."

(Pg. 1, ELC Memo, Stantec, 2022).

1.0 Concerns Regarding Michi Saagiig Rights

1.1 Williams Treaty (2018)

1.1.1 Quotation

"Enbridge Gas Inc. ("Enbridge Gas") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community with affordable natural gas. The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and will consist of approximately 50 kilometers (km) of a combination 6-inch and 8-inch steel and plastic natural gas pipeline. The majority of the work will occur within previously disturbed municipal right-of-way with temporary working spaces (TWS)."

(Pg. 1, ELC Memo, Stantec, 2022).

1.1.1.1 Statement

There appears to be no mention of Indigenous Rights, worldviews, or knowledge systems in this environmental memorandum. The Study Area falls under the jurisdiction of the Williams Treaty First Nations, who had their rights to their territory reaffirmed in 2018. Similar to the review 4 Directions provided in 2022 for an Environment Report relating to this project, there is no mention in the current ELC memorandum report about the Rice Lake Purchase (Treaty 20, 1818; where the existing site is located), and the treaties protection of watercourses.

1.1.1.2 Question

How will Stantec and Enbridge Gas uphold the Treaty Rights of the Michi Saagiig?

1.1.1.3 Recommendation

Clearly state that the project is in the Rice Lake Purchase (Treaty 20), provide an explanation on how the project will affect Indigenous land Rights and create a plan with the Williams Treaty First Nations to mitigate any impacts to these rights to land and the protection of watercourses. Referral to references such as the 2018 Williams Treaty Settlement (2018) and the Water Declaration of the First Nations in Ontario (October 2008) will support proponents' understanding of how this project has the potential to infringe upon rightsholders' standing.

2.0 Concerns Regarding the Environment

2.1 Cultural Keystone Species

2.1.1 Quotation

"The purpose of these surveys was to identify natural and anthropogenic vegetation and wildlife habitat features to support a general assessment of their significance. The work included:

1. *Ecological Land Classification (ELC) of vegetation communities.*
2. *Targeted plant SAR surveys (e.g., Eastern Prairie Fringed Orchid, Butternut).*
3. *Single-season botanical survey.*
4. *Butternut health assessment for one (1) documented Butternut.*
5. *Breeding bird surveys targeting grassland (e.g., Bobolink, Eastern Meadowlark), wetland (Least Bittern) and crepuscular SAR (e.g., Eastern Whip-poor-will).*
6. *Identification of wildlife habitat features, including (but not limited to) hibernacula, bat roosts, stick nests, seeps, and vernal pools.*
7. *Habitat assessments for wildlife SAR that may occur within the Study Area.*
8. *Incidental wildlife observations.*

For this assessment, Species at Risk (SAR) are species classified as Threatened (THR) or Endangered (END) on the SARO. Species of Conservation Concern (SOCC) includes species that are listed as Special Concern (SC) on the SARO List, terrestrial species listed as THR or END on Schedule 1 of federal Species at Risk Act (SARA), or provincially rare (with a Provincial S-rank of S1 to S3).

Provincial sub-national ranks (S-ranks) are used by the NHIC to set protection priorities for rare species and vegetation communities. They are based on the number of factors such as abundance, distribution, population trends and threats in Ontario and are not legal designations. Provincial S-ranks are defined as follows:

S1: Critically imperiled; usually fewer than 5 occurrences

S2: Imperiled; usually fewer than 20 occurrences

S3: Vulnerable; usually fewer than 100 occurrences

S4: Apparently secure; uncommon but not rare, usually more than 100 occurrences

S5: Secure, common, widespread and abundant"

(Pg. 2, ELC Memo, Stantec, 2022).

2.1.1.1 Statement

Throughout the document the significance and rarity of species and vegetation communities are defined by western science and values, such as species at risk (SAR) and the provincial sub-national ranks (S-ranks). These assessment processes do not acknowledge Indigenous Peoples' connections with their territories, including SAR, cultural keystone species, and places. A more holistic and integrated approach that weaves together locally specific Indigenous knowledge and cultural practices is needed.

2.1.1.2 Question

How will Stantec and Enbridge Gas assess Michi Saagiig Cultural Keystone Species in their environmental reporting?

How will Stantec and Enbridge Gas assess combined environmental risks to the Michi Saagiig culture?

2.1.1.3 Recommendation

Similar to the previous review submission provided by 4 Directions for the Bobcaygeon Community Expansion Project, any wildlife observations from both desktop review and field investigations should be screened for those identified as Cultural Keystone Species to the Michi Saagiig. Stantec and Enbridge should assess all potential risks to Michi Saagiig Cultural Keystone Species and, subsequently, the Michi Saagiig culture.

2.1.2 Quotation

"Ecological Land Classification (ELC)

ELC mapping of the Study Area for Phases 1-3 is provided on Figures 1-1 – 1-23 (Appendix A).

The Study Area is situated in a mostly rural or semi-rural setting with a mixture of natural vegetation communities, agricultural fields, and rural properties. Thicket and woodland communities have a variable composition, but forests are generally dominated by eastern white cedar and trembling aspen or sugar maple and other hardwoods. Swamp communities are generally dominated by Freeman's (swamp) maple and/or trembling aspen. Marsh communities in the Study Area (e.g., the edge of Pigeon Lake) are generally dominated by cattails. Standing water is common in many of these marsh communities.

The majority of Phase 3 is located within the Town of Bobcaygeon, comprised primarily of residential and business areas, with a small community along Pigeon Lake in Phase 2.

None of the vegetation communities listed below are considered rare in the province.

The vegetation community types for the Study Area are provided in Appendix B.

Flora

Results of the single-season flora survey identified a total of 202 species of vascular plants, including taxa identified to species, subspecies (ssp.) and variation (var.) levels. Of these species, 131 species are native to Ontario, 130 of which species have a provincial rank of S4 or S5, indicating they have a secure population in Ontario. The full plant species list can be found in Appendix C. Additionally:

- *One (1) species with a provincial rank of S2? (imperiled rank uncertain; Butternut)*
- *No highly sensitive plant species (with a C value of 8, 9 or 10) were observed*
- *71 species observed are exotic and not native to Ontario*
- *Eastern prairie fringed orchid, a SAR identified in the background review was not observed during field investigations in 2022.*

Two plant SAR were observed, butternut and black ash, which are described below."

(Pgs. 5-6, ELC Memo, Stantec, 2022).

2.1.2.1 Statement

Similar to Statement 2.1.1.1, Stantec does not include any Cultural Keystone Species within the ELC community delineation or roadside vegetation surveys. This is in part due to the lack of preparation in compiling Michi Saagiig Cultural Keystone Species at the desktop review stage. The ELC communities contain Cultural Keystone Species and traditional medicines used by the Michi Saagiig. The possible negative impacts and/or destruction of these species and medicines is a direct infringement upon the Michi Saagiig Treaty Rights to freely harvest on their territory.

2.1.2.2 Question

How will Stantec and Enbridge Gas protect the Cultural Keystone Species and traditional medicines of the Michi Saagiig?



2.1.2.3 Recommendation

Stantec should include the specific identification of Cultural Keystone Species of the Michi Saagiig in the ELC community inventory and roadside vegetation survey in order to adequately protect these species through the project's mitigation measures.

2.1.3 Quotation

"Black Ash

This species was assessed by COSSARO in October 2020, which recommended a designation of Endangered. Black ash was subsequently added to the SARO list on January 26, 2022. However, effective January 2022, a temporary suspension for protection for the species under the ESA has been made for two years to allow time to develop an approach to support Black Ash protection and recovery (ERO 2022). This temporary suspension will elapse on January 26, 2024.

Black ash was predominantly documented in the Study Area along McGregor Road and Centreline Road, as shown on Figures 1-7, 1-21 – 1-22 (Appendix A)."

(Pg. 6, ELC Memo, Stantec, 2022).

2.1.3.1 Statement

The temporary pause against adversely impacting Black Ash and its habitat was facilitated through the highly controversial and irresponsible 2019 amendments to the ESA (e.g., Bergman et al. 2020; Bethlenfalvy and Olive, 2021). Globally, Black Ash is listed as *critically endangered*. According to the Committee on the Status of Species at Risk (COSSARO), 25% of its global range falls within the province of Ontario which means we are responsible for the protection and recovery of this species (COSSARO,2020). The temporary suspension Stantec is referencing was justified by the MECP as a means to better understand how to approach the conservation of this species. However, both COSSARO and the Committee on the Status of Endangered Wildlife in Canada (COSEWIC) have already thoroughly documented known threats to the species and recovery priorities (COSSARO,2020; COSEWIC, 2018).

In addition, Black Ash is also a cultural keystone species for Indigenous Peoples within Canada, including the Anishinaabeg, Haudenosaunee, Wabenaki, Ho-Chunk, and Menominee (Church, 2016). Its role as a keystone species means that Black Ash should be provided protection within this project, irrespective of *O.Reg. 23/22*.

2.1.3.2 Question

Given Ontario's significant conservation responsibility for Black Ash and its importance as a Cultural Keystone Species to the many Indigenous Peoples, including the Michi Saagiig, how do Stantec and Enbridge Gas plan to mitigate impacts to this species?

2.1.3.3 Recommendation

4 Directions recommends that Stantec develop mitigation measures for Black Ash in conjunction with the Michi Saagiig to ensure this species is protected throughout the project and afterward.

2.1.4 Quotation

"Incidental Wildlife

Wildlife that were observed incidentally while conducting field surveys of the Study Area included:

- *Northern watersnake*
- *Unidentified turtle nests*
- *Green Frog "*

(Pg. 8, ELC Memo, Stantec, 2022).

2.1.4.1 Recommendation

4 Directions recommend that Stantec develop a plan to minimize impacts on frog populations, with an emphasis on bullfrog and green frog populations. These species are a traditional food source for the Michi Saagiig and are still used to this day.

2.1.5 Quotation

"Blanding's Turtle may be present in shallow marshes within the right-of-way. To mitigate interactions with this species, exclusionary fencing will be installed on the edges of the work area prior to construction activities for work occurring during the turtle active season (e.g., April 1 – October 31). Fencing will be installed at areas identified as potential Blanding's Turtle habitat (see Figures 1-8 – 9, 1-12, 1-15 – 1-16, 1-18, and 1-21 – 1-23, Appendix A) and/or in areas identified as having turtles, including up to 250 m away from Blanding's Turtle occurrences, if applicable. Predominantly, turtle habitat in the Study Area is in rural areas, however; exclusion fencing is not recommended in areas where driveways, laneways, and other rights-of-way would require frequent breaks in fencing. This is to avoid the installation of ineffective

mitigation where site conditions prohibit a continuous exclusion area. Installation will follow best management practices from the Ministry of Natural Resources and Forestry (MNRF) 2016 document: Best Management Practices for Mitigating the Effects of Roads on Amphibians and Reptile Species at Risk in Ontario."

(Pg. 9, ELC Memo, Stantec, 2022).

2.1.5.1 Statement

Turtles are Cultural Keystone Species of the Michi Saagiig. Mitigation measures put in place for turtles should be reviewed by the Michi Saagiig. Further, installation of mitigation measures pertaining to them should be overseen by a representative from CLFN to ensure they are adequately protected.

2.1.5.2 Recommendation

A representative of CLFN should be on site during the installation of exclusion fencing. Any findings from the environmental inspector during construction should be shared with CLFN.

2.2 Technical Accuracy

2.2.1 Quotation

"Breeding Birds

A total of 76 species of breeding birds were documented during surveys conducted in 2022, all of which are expected to be breeding within the Study Area. Three SOCC were observed, including Wood Thrush, Eastern Wood-Pewee and Grasshopper Sparrow. Four SAR were observed, including Barn Swallow, Bank Swallow, Eastern Meadowlark and Bobolink. A full list of bird species recorded can be found in Appendix C.

A total of 55-point counts were conducted during the first round of surveys with grassland SAR birds recorded at 31 of these survey stations. Of the 24-point counts surveyed during the second round of surveys, grassland SAR birds were recorded at an additional four (4) survey locations. During the last round of surveys, conducted at a total of 20 locations, no grassland SAR birds were observed.

In total, grassland SAR birds were observed at 35 of the 55 point counts and SAR were considered absent at the remaining 20 point counts. Cutting in many forage crop (hay, alfalfa) communities within the Study Area occurred in June, making habitat unsuitable for these species to breed.

A total of 14 crepuscular point counts were surveyed twice, once in late June and once in early July. No crepuscular SAR birds (e.g., Eastern Whip-poor-will, Common Nighthawk) were recorded during surveys. A total of seven (7) Least Bittern point counts were surveyed once over the course of two days in late May. No Least Bittern were observed during surveys."

(Pgs. 6-7, ELC Memo, Stantec, 2022).

2.2.1.1 Statement

Stantec references the national protocol for surveying Least Bittern (Jobin et al., 2010), however, only conducted point counts over the course of two days in May. Least Bittern have a secretive nature and can remain undetected even after one or two surveys at the same wetland. The national protocol recognizes this issue with species detection and recommends 3 site visits conducted only once every ten days to enhance detection.

2.2.1.2 Question

Why did Stantec deviate from the timing and frequency of survey guidance outlined in the national protocol for Least Bittern?

2.2.1.3 Recommendation

4 Directions recommend Stantec provide clarity on their deviation from the survey timing and frequency guidance outlined in the national survey protocol for Least Bittern. Greater care should be given to planning investigations that closely follow industry standards to ensure that there is a higher probability of detecting secretive marsh birds that are of conservation concern, including Least Bittern.

Summary of Recommendations

- All sections of this report need to be addressed in good faith between Stantec, Enbridge Gas and CLFN to address their (CLFN) level of environmental concern. Stantec and Enbridge Gas need to communicate this to CLFN and in a follow-up document outlining a formal response to questions, recommendations or action items arising from this peer review.
- Clearly state that the project is in the Rice Lake Purchase (Treaty 20), provide an explanation on how the project will affect Indigenous land Rights and create a plan with the Williams Treaty First Nations to mitigate any impacts to these rights to land and the protection of watercourses. Referral to references such as 2018 Williams Treaty Settlement (2018) and the Water Declaration of the First Nations in Ontario (October 2008) will support proponents' understanding of how this project has the potential to infringe upon rightsholders' standing.
- Similar to the previous review submission provided by 4 Directions for the Bobcaygeon Community Expansion Project, any wildlife observations from both desktop review and field investigations should be screened for those identified as Cultural Keystone Species to the Michi Saagiig. Stantec and Enbridge should assess all potential risks to Michi Saagiig Cultural Keystone Species and, subsequently, the Michi Saagiig culture.
- Stantec should include the specific identification of Cultural Keystone Species of the Michi Saagiig in the ELC community inventory and roadside vegetation survey in order to adequately protect these species through the project's mitigation measures.
- 4 Directions recommends that Stantec ensure Black Ash, and its habitat, are protected during the project and develop mitigation measures for Black Ash in conjunction with the Michi Saagiig.
- Develop a plan to minimize impacts on frog populations, with an emphasis on bullfrog and green frog populations.
- A representative of CLFN should be on-site during the installation of exclusion fencing for turtles. Any findings from the environmental inspector during construction should be shared with CLFN.
- 4 Directions recommend Stantec provide clarity on their deviation from the survey timing and frequency guidance outlined in the national survey protocol for Least Bittern. Greater care should be given towards planning investigations to closely follow industry standards to ensure that there is a higher probability of detecting Least Bittern in potentially suitable habitat.

Closing Remarks

4 Directions staff are generally satisfied with the information provided within the report titled "*Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phases 1-3 Ecological Land Classification, Breeding Bird, and Habitat Assessment (2021-2022)*". As noted in the summary of recommendations, 4 Directions encourages Enbridge Gas to provide further clarity regarding how Indigenous Inherent and Treaty rights are upheld throughout the environmental impact assessment and mitigation measures for this project.

We trust that this information aids in your engagement process and the next steps forward. If you have any questions, please do not hesitate to contact us.

Miigwetch,

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Line-item attachment 5.154

From:	Melanie Green
To:	Kayla Wright; Francis M. Chua
Cc:	KeithK@curvelake.ca; AudreyP@curvelake.ca; Katie Young-Haddlesey; Heidi Whetung; Paige Williams; Tiffany McLellan; Kaitlin Hill (Curve Lake) (KaitlinH@curvelake.ca); Gary Pritchard; info@4directionsconservation.com; Hannah Tosello; Lauryn Graham
Subject:	RE: CLFN Technical Field Memorandums Community Expansion Projects
Date:	Tuesday, April 18, 2023 2:05:18 PM
Attachments:	CLFN Responses to Enbridge Comments on Community Expansion Projects Technical MemoFinal.pdf

Good afternoon,

Thank you again for giving us the opportunity to review your comments on our responses the TLU memo. Please see attached grid and may it be suggested we table this at our next meeting. We would be interested in chatting about these should there be any concerns.

Thank you again,

Mel

Table 1: Enbridge Gas's (Enbridge) Responses to Curve Lake First Nation Comments - Technical Field Memorandum of the Bobcaygeon Community Expansion Project		
Item	Curve Lake First Nation	Enbridge Responses
1.0 Responses to specific concerns		
1.1 Effect of watercourse crossings on brook trout populations and habitat		
1.1.1 Enbridge's Response	Enbridge indicated that horizontal directional drilling (HDD) would be used to drill beneath the watercourse and eliminate the need to excavate the watercourse itself. This technique, combined with the associated mitigation techniques would protect the watercourse and eliminate the need to sample the watercourse for fish species	

1.1.2 4 Directions' Response	While the mitigation steps around the HDD procedure to pass watercourses seem sufficient, there is no guarantee that a leak of the drilling slurry into the watercourse will not occur. If such contamination were to occur, the lack of information about the fish community in the watercourse could inhibit adequate restoration of the watercourse. This could affect Cultural Keystone species and impact Michi Saagiig Treaty rights. Are there plans in place to handle unanticipated contamination of this watercourse? Do these contingency plans recognize the potential impact on Cultural Keystone species and the need to protect these species and their habitat?
	
	Is water for the drilling slurry being pumped from the watercourse? If so, what measures are in place to protect the fish community?
		Enbridge utilizes drilling slurry that is typically composed of a naturally occurring inert bentonite clay and clean water. The water is obtained from municipal sources and **not** from fresh water sources.
		
		Enbridge has a well-documented contingency plan for inadvertent releases from HDD activities. This contingency plan has been developed specifically to mitigate impacts to the natural environment, including all aquatic and riparian species and their habitat, andhas been reviewed and approved by Fisheries and Oceans Canada (DFO). The contingency plan includes, but is not limited to the following:
		
		• **Planning and Pre-Construction Mitigation Measures:**
		  ○ completing geotechnical work and obtaining engineered drawings for watercourse crossings
		  ○ obtaining permits from applicable authorities
		  ○ maximizing the depth of the drill path under the watercourse

		○ maximizing the entry/exit point distances from the watercourse (minimum 15 meters) • **Construction Mitigation Measures:** ○ Set up sediment control measures prior to initiating HDD operations to contain potential releases of drilling fluid, sediment-laden water, and run-off along the proposed drill path. Sediment control measures include silt fencing, SiltSoxx, etc. Install sediment control measures at each location, including around all entry and exit pits, drilling fluid containment pits, surrounding spoil piles, between all HDD operations and watercourse (at least 15m from any watercourse) ○ Assigning personnel to monitor the drill path for inadvertent releases (includes personnel walking the entirety of the drill path) ○ Continuously monitor fluid volumes, annular pressure and cutting returns to ensure potential drilling fluid losses are detected and addressed immediately. Assign dedicated personnel to continuously monitor drilling pressure and fluid volumes ○ Over-excavate the entry and exit pits to create drilling fluid sump pits and contain drilling fluid in entry/exit sump pits ○ Have spill response material on-site and readily available to contain inadvertent releases of drilling fluid, including but not limited to sandbags, straw bales, filter cloth, t-posts, SiltSoxx/silt fence, corrugated culverts, polyethylene

		sheets, vacuum trucks, turbidity curtains, trash pumps with fish screens, etc. • Should an inadvertent release of drilling fluid occur, actions may include: o Stop HDD activities immediately o Establish spill containment utilizing the materials listed above o Report spill to authorities o Contact an environmental consultant to support cleanup and support protection of the watercourse o Cleanup and remove drilling fluid o Collect information to determine cause of release, and prior to restarting activities, implement solutions to mitigate further inadvertent releases
1.2 Proximity of proposed gas line to Osprey and Eagle nests		
1.2.1 Enbridge's Response	According to the Significant Wildlife Habitat Technical Guide, the distance of the observed nests are outside the mandated 300 m buffer for noise. In addition, any project activity within proximity to these nests will occur on established roads and be within the noise level of those roads. All construction activity will be undertaken with appropriate sound mufflers and silencers	Thank-you for reviewing and providing a response.
1.2.2 4 Directions' Response	4 Directions' is satisfied with this response	
1.3 Proximity of proposed gas line to walleye spawning habitat		
1.3.1 Enbridge's response	The walleye spawning habitat indicated by 4 Directions is upstream of the proposed crossing of the Big Bob Channel. The crossing will be accomplished using the HDD method so no in-water works will occur. Fish and fish habitat will be protected using the mitigation steps described in item 1.	
1.3.2. 4 Directions' response	Is the HDD far enough away that no noise or vibrations could potentially affect walleye spawning? If drilling activities will produce no noticeable vibrations in culturally important walleye spawning habitat, the mitigation measures described by Enbridge would be	The Big Bob Channel and the location of our HDD for this crossing is approximately 400 meters away from the walleye spawning habitat identified by CLFN. The Big Bob Channel also regularly experiences boat traffic during fish spawning windows. Due to the distance of the HDD

	appropriate If the vibrations are detectable at the walleye spawning habitat, there exists a potential for impact to walleye spawning. If this potential exists, drilling activities should be scheduled so they do not coincide with walleye spawning	location from the walleye spawning habitat and already existing boat traffic, no impacts are anticipated from the HDD works or vibration. Enbridge plans to cross the Big Bob Channel between October 2024 and February 2025, avoiding the sensitive fish spawning window from March 15 to June 30.
1.4 Proximity of proposed gas line to muskie spawning habitat		
1.4.1. Enbridge's response	The muskie spawning habitat identified by 4 Directions is 3 km away from the proposed pipeline supply lateral. In addition, any watercourse identified as supporting direct fish habitat will be crossed using the HDD method and associated mitigation steps as described in item 1	
1.4.2. 4 Directions' response	While the mitigation steps around the HDD procedure to pass watercourses seem sufficient, there is no guarantee that a leak of the drilling slurry into the watercourse will not occur. If such contamination were to occur, the lack of information about the fish community in the watercourse could inhibit adequate restoration of the watercourse. This could affect Cultural Keystone species and impact Michi Saagiig Treaty rights. Are there plans in place to handle unanticipated contamination of this watercourse? Do these contingency plans recognize the potential impact on Cultural Keystone species and the need to protect these species and their habitat?	See response to item 1.1 above.
1.5 Proximity of proposed gas line to wild rice (minoomin) habitat		
1.5.1. Enbridge's response	The closest distance between the proposed pipeline and habitat for wild rice (minoomin) as depicted in Figure 7 of the Field Technical Memorandum, is 300 m. Enbridge included a list of mitigation measures for erosion and sediment control, measures related to HDD, and postconstruction restoration measures	
1.5.2. 4 Directions' response	These mitigation measures seem effective, however, there is still a chance of potential contamination. Pre- and post-construction monitoring should occur with CLFN's involvement to ensure that this culturally important species and its habitat will be protected. Likewise, if any	Please see item 1.1 above for information on drilling slurry composition and inadvertent release HDD contingency measures. With the inert nature of the drilling fluid, erosion and sediment control mitigation, and the inadvertent release

	restoration activities are to occur in or around wild rice (minoomin) habitat, CLFN should be involved.	HDD contingency measures, Enbridge does not anticipate impacts to wild rice habitat. Enbridge completes photo documentation of the route prior to construction and completes post-construction monitoring for the Ontario Energy Board at 3-months and 15-month after completion of construction. Enbridge welcomes CLFN to participate to review wild rice habitat before and after construction.
Table 2: Enbridge Gas's (Enbridge) Responses to Curve Lake First Nation Comments - Technical Field Memorandum for Selwyn Community Expansion Project		
Item	Curve Lake First Nation	Enbridge
1.0 Response to specific concerns		
1.1 Proximity of proposed gas line to walleye spawning habitat		
1.1.1 Enbridge's response	Enbridge indicated that the pipeline installation is located approximately 500 m from the shoreline of Chemong Lake therefore no mitigation measures are required as no impact to walleye spawning habitat will occur. In addition, improvements/upgrades to the Bridgenorth Station are required, and the Bridgenorth Station is located approximately 80 m from the shoreline of Chemong Lake, however, the improvements are anticipated to occur within the existing facility with no expansion beyond the current boundaries and ESC measures will be implemented if necessary. Given the 80 m distance, no direct impacts to Chemong Lake are anticipated therefore no timing windows are applied	
1.1.2 4 Directions' response	Are construction activities far enough away that no noise or vibrations could potentially affect walleye spawning? If construction activities will produce no noticeable vibrations in culturally important walleye spawning habitat, the mitigation measures described by Enbridge would be appropriate If the vibrations are detectable at the walleye spawning habitat, there exists a potential for impact to walleye spawning. If this potential exists, construction activities should be scheduled so they do not coincide with walleye spawning	Upon further planning and internal review, it was determined that no improvements or upgrades are required as part of this Project. There are no planned improvements/upgrades to the Bridgnorth station and the planned pipeline installation is approximately 500m away from Chemong lake and walleye spawning habitat; therefore, no impacts are expected from the HDD activities and noise/vibrations. Additionally, work is planned to occur outside of the walleye spawning window of approximately March 15 – June 30.

		Construction is planned to occur after October 31st
1.2 Effect of the gas line crossing Miller Creek		
1.2.1 Enbridge's response	Enbridge indicated that horizontal directional drilling (HDD) would be used to drill beneath the watercourse and eliminate the need to excavate the watercourse itself. This technique, combined with the associated mitigation techniques would protect the watercourse and eliminate the need to sample the watercourse for fish species	
1.2.2 4 Directions' response	While the mitigation steps around the HDD procedure to pass watercourses seem sufficient, there is no guarantee that a leak of the drilling slurry into the watercourse will not occur. If such contamination were to occur, the lack of information about the fish community in the watercourse could inhibit adequate restoration of the watercourse. This could affect Cultural Keystone species and impact Michi Saagiig rights. Are there plans in place to handle unanticipated contamination of this watercourse? Do these contingency plans recognize the potential impact on Cultural Keystone species and the need to protect these species and their habitat? Is water for the drilling slurry being pumped from the watercourse? If so what measures are in place to protect the fish community?	See response to item 1.1 above.
1.3 Effect of the gas line on nearby wetlands		
1.3.1 Enbridge's response	Enbridge is committed to protecting all wetlands associated with the project. No open aquatic habitats will be impacted and if wetland crossing is required, HDD will be used to prevent direct disturbance to aquatic habitat. Enbridge will establish 30 m setbacks from all wetlands where possible (based on ELC undertaken in summer of 2022). Some disturbances to vegetated wetlands may be required which will be reclaimed immediately after construction to achieve the goal of meeting pre-disturbance conditions	All wetlands that encroach on the ROW would be installed by HDD. Pipeline installation is proposed to be within the Road Right-of-way.

1.3.2. 4 Directions' response	4 Directions respects Enbridge's commitment to protecting wetlands. Wetlands are vibrant ecosystems that are home to SAR and Cultural Keystone species and are of great cultural value to the Michi Saagiig people and are protected by Treaty Rights. In a similar project (Haldimand Community Expansion Project) Enbridge listed several mitigation measures associated with work near wetlands including: • Clearing should be reduced to the extent possible in sensitive areas such as Significant Woodlands and unevaluated wetlands. • A screening field program of wetlands and riparian areas should be undertaken prior to construction, to determine where precautionary measures (ex. equipment washing before site access) may be necessary to mitigate for the spread of non-native species • Refueling of equipment should be conducted 100 m from wetlands and watercourses to reduce potential impacts to surface water and groundwater quality if an accidental spill occurs. If a 100 m refueling distance is not possible, under approval from on-site inspection personnel, special refueling procedures for sensitive areas should be undertaken that include, at a minimum, using a two-person refueling system with one worker at each end of the hose. Spill containment devices and absorbent material shall be on hand and readily available. • Clearing of equipment and machinery should not occur within 50 m of watercourses or wetlands. • Clearing should be reduced to the extent possible in sensitive areas such as Significant Woodlands and unevaluated wetlands. • Enbridge should install interim erosion control, such as temporary berms on approach slopes to watercourses and wetlands and erect a silt fence or an equivalent temporary ESC device (e.g., fibre logs or geosynthetic barriers etc.) near the base of approach slopes to watercourses and wetlands as soon as practical following	Enbridge will incorporate these mitigation measures into the EPP. Wetlands that encroach onto the ROW will be installed by HDD. At this time there is no planned work within wetlands as part of the Project; therefore, no further surveys are required. If disturbance to wetlands was required, Enbridge would complete all necessary surveys, consult with applicable regulators and develop mitigation measures to limit potential impacts to wetland and wetland species.

	grading. Monitor the temporary erosion control structures as required and repair, if warranted. • Limit vegetation removal and limit equipment disturbance adjacent to watercourses and/or wetlands to that which is absolutely necessary and in accordance with Projectspecific plans and approvals, as available. • Fell trees away from watercourses and wetlands to reduce damage to streambanks, beds and adjacent trees. Hand brush within the riparian buffer area if soils are highly susceptible to damage from equipment travel in and out of the riparian buffer. • Avoid or reduce grading within the 5 m minimum disturbance zone of watercourses and wetlands, unless otherwise approved by Enbridge Environmental Advisor. Grading within 5 m of the watercourse or wetland, if approved, may be appropriate if completion of this activity results in reduced erosion and sedimentation risk. • Install and/or maintain temporary erosion control structures as soon as practical following the completion of backfilling lands adjacent to watercourse crossings and wetlands where the potential for sedimentation of the watercourse or wetland exists. (Table 1: Responses to CLFN Comments, Haldimand Community Expansion Project) 4 Directions believes that the mitigation measures given in the Haldimand Community Expansion Project. are appropriate for the protection of wetlands that might be impacted by the Selwyn Community Expansion Project. In addition, Enbridge indicated that some vegetated wetlands might be disturbed as part of the construction process. Are any surveys of these wetlands planned to identify any SAR or Cultural Keystone species that might be affected? If wetlands are to be affected these surveys should be carried out to inform the restoration process and ensure that there are no long-term impacts on Cultural Keystone species	

Table 3: Enbridge Gas's (Enbridge) Responses to Curve Lake First Nation Comments - Technical Field Memorandum for Haldimand Shores Community Expansion Project		
Item	Curve Lake First Nation	Enbridge
*blank	4 Directions is satisfied with Enbridge's responses to the concerns raised by 4 Directions and the steps Enbridge is taking to address these concerns. We would ask that Enbridge continue to involve CLFN in any monitoring and restoration activities that occur related to this project.	Enbridge welcomes CLFN's involvement in monitoring and restoration activities.

Line-item attachment 5.155

From:	Melanie Green
To:	Francis M. Chua; Lauryn Graham
Cc:	KeithK@curvelake.ca; Katie Young-Haddlesey; Kaitlin Hill (Curve Lake) (KaitlinH@curvelake.ca); TiffanyM; Paige Williams; Kayla Wright
Subject:	RE: Submission: Phases 1-3 Ecological Land Classification (ELC) memo - Bobcaygeon Community Expansion Project
Date:	Wednesday, April 26, 2023 1:34:43 PM
Attachments:	CLFN Review - Enbridge Bobcaygeon Community Exp ELC PH1-3 FINAL.pdf image001.png

Good day,

I hope you all are well – thank you for taking the time to review the ELC Phase 1-3 memo and thank you for allowing us the time to review and respond. Please see attached responses. If you have any questions or concerns, please let me know.

Cheers and have a great day!

Mel

Table 1: Enbridge Gas's (Enbridge) Responses to Curve Lake First Nation on Phases 1-3 Ecological Land Classification (ELC) memo - Bobcaygeon Community Expansion Project		
Item	Curve Lake First Nation	Enbridge Responses
1.0 Concerns Regarding Michi Saagiig Rights		
1.1 Williams Treaty (2018)		
1.1.1 Quotation	"Enbridge Gas Inc. ("Enbridge Gas") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community with affordable natural gas. The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and will consist of approximately 50 kilometers (km) of a combination 6-inch and 8-inch steel and plastic natural gas pipeline. The majority of the work will occur within previously disturbed municipal right-of-way with temporary working spaces (TWS)."	
1.1.1.1 Statement	There appears to be no mention of Indigenous Rights, worldviews, or knowledge systems in this environmental memorandum. The Study Area falls under the jurisdiction of the Williams Treaty First Nations, who had their rights to their territory reaffirmed in 2018. Similar to the review 4 Directions provided in 2022 for an Environment Report relating to this project, there is no mention in the current ELC memorandum report about the Rice Lake Purchase (Treaty 20, 1818; where the existing site is located), and the treaties protection of watercourses.	This memo is a supplement to the biophysical data included in the Environmental Report (ER) and is focused only on the vegetation and wildlife surveys completed in 2021 and 2022. While the scope of this memo is narrow, Enbridge Gas is committed to incorporating Indigenous knowledge, cultural values, and rights on the landscape within the Bobcaygeon Community Expansion Project ("Project") footprint into the Project. Enbridge Gas appreciated the opportunity to undertake a Traditional Land Use (TLU) study and associated Technical Field Memorandum with Curve Lake First Nations (CLFN) as well as CLFN's participation in field studies and review and comments on Enbridge Gas' ER and related memos. CLFN's participation has allowed Enbridge Gas to incorporate information into the Project and the opportunity to further understand CLFN's Aboriginal and Treaty rights, including those addressed in the Williams Treaties First Nations Settlement and Treaty 20. Such information assists with the development and implementation of mitigation measures where required, such as measures that will mitigate potential Project-related impacts on rights.. Enbridge Gas welcomes additional input from CLFN on the subjects covered in the ecological land classification
1.1.1.2 Question	How will Stantec and Enbridge Gas uphold the Treaty Rights of the Michi Saagiig?	
1.1.1.3 Recommendation	Clearly state that the project is in the Rice Lake Purchase (Treaty 20), provide an explanation on how the project will affect Indigenous land Rights and create a plan with the Williams Treaty First Nations to mitigate any impacts to these rights to land and the protection of watercourses. Referral to references such as the 2018 Williams Treaty Settlement (2018) and the Water Declaration of the First Nations in	

	Ontario (October 2008) will support proponents' understanding of how this project has the potential to infringe upon rightsholders' standing.	(ELC) memo, including ELC, species at risk and wildlife, to support the development of mitigation measures to limit potential impacts to Aboriginal and Treaty rights. Enbridge Gas is committed to understanding how this Project has the potential to impact rights under the 2018 Williams Treaty Settlement (2018) and the Water Declaration of the First Nations in Ontario and looks forward to working with CLFN to develop mitigation measures that can be included in the Environmental Protection Plan (EPP) to minimize potential impacts. Mitigation measures related to the protection watercourses and wetlands can be found in Table 5-1 of the ER in rows *"Aquatic Species and Habitat Section 3.3.1"* and *"Wetlands Section 3.3.3"*. Mitigation measures include but is not limited to: - Abiding by the fisheries timing windows for in-water works. - Prior to removal of vegetation cover, effective mitigation techniques for erosion and sedimentation should be in place to protect water quality. - Construction material, excess material, construction debris and empty containers should be stored a minimum of 30 m from watercourses and watercourse banks. - Refueling of equipment should be undertaken 100 m from wetland areas and watercourses identified during field surveys to reduce potential impacts to surface water in the event that an accidental spill occurs. If a 100 m refueling distance is not possible, under approval from on-site environmental personnel and if approved by permit conditions, special refueling procedures for sensitive areas should be undertaken that include, at a minimum, using a two-person refueling system with one worker at each end of the hose and secondary containment, as needed.

		- Implementation of Horizontal Direction Drill (HDD) to cross under watercourses and avoid in-water works. - Staging areas should be located at least 30 m away from the edge of wetlands.
2.0 Concerns Regarding the Environment		
2.1 Cultural Keystone Species		
2.1.1 Quotation	"The purpose of these surveys was to identify natural and anthropogenic vegetation and wildlife habitat features to support a general assessment of their significance. The work included: 1. Ecological Land Classification (ELC) of vegetation communities. 2. Targeted plant SAR surveys (e.g., Eastern Prairie Fringed Orchid, Butternut). 3. Single-season botanical survey. 4. Butternut health assessment for one (1) documented Butternut. 5. Breeding bird surveys targeting grassland (e.g., Bobolink, Eastern Meadowlark), wetland (Least Bittern) and crepuscular SAR (e.g., Eastern Whip-poor-will). 6. Identification of wildlife habitat features, including (but not limited to) hibernacula, bat roosts, stick nests, seeps, and vernal pools. 7. Habitat assessments for wildlife SAR that may occur within the Study Area. 8. Incidental wildlife observations. For this assessment, Species at Risk (SAR) are species classified as Threatened (THR) or Endangered (END) on the SARO. Species of Conservation Concern (SOCC) includes species that are listed as Special Concern (SC) on the SARO List, terrestrial species listed as THR or END on Schedule 1 of federal Species at Risk Act (SARA), or provincially rare (with a Provincial S-rank of S1 to S3). Provincial sub-national ranks (S-ranks) are used by the NHIC to set protection priorities for rare species and vegetation communities. They are based on the number of factors such as abundance, distribution, population trends and threats in Ontario and are not legal designations. Provincial S-ranks are defined as follows: S1: Critically imperiled; usually fewer than 5 occurrences; S2: Imperiled;	On behalf of the CLFN, 4 Directions Conservation Consultation Services completed a site visit with Enbridge Gas on June 8, 2022, which was summarized in an August 19, 2022, Technical Field Memorandum. Enbridge Gas continues to work with CLFN to address the concerns raised; however, the results were not included in this Enbridge Gas memo for confidentiality purposes. Any commitments from these continued discussions will be incorporated into the Project's EPP. Mitigation measures proposed for wildlife are provided in the *Bobcaygeon Community Expansion Project: Environmental Report* (Stantec, March 3, 2022) in Table 5.1 under the *Wildlife, Wildlife Habitat and Species at Risk* (Section 3.3.4) row, *Wetlands* (Section 3.3.3 row) and *Aquatic Species and Habitat* (Section 3.3.1 row) and are designed to protect the environment and local habitats from encroachment and degradation. Protection of these habitats will also mitigate impacts to wildlife, including Cultural Keystone Species (such as nesting raptors, cold-water resident, and spawning fish populations (e.g., Brook Trout), wild rice, amphibians (e.g., bullfrog, green frog), black ash, and species at risk that use these areas as well as mammals such as deer, beaver, mink, otter, muskrat, and other species. For example, avoidance of wetlands using HDD where possible, implementing sediment and erosion controls, minimizing and demarcating the boundaries of work zones to avoid accidental encroachment, cleaning equipment to avoid non-native species movement, designating refueling areas away from wetlands and exclusion

	usually fewer than 20 occurrences; S3: Vulnerable; usually fewer than 100 occurrences; S4: Apparently secure; uncommon but not rare, usually more than 100 occurrences; S5: Secure, common, widespread and abundant"	fencing, are anticipated to protect wetland wildlife (e.g., beaver, mink, muskrat, frogs, turtles) and their habitat.
2.1.1.1 Statement	Throughout the document the significance and rarity of species and vegetation communities are defined by western science and values, such as species at risk (SAR) and the provincial sub-national ranks (Sranks). These assessment processes do not acknowledge Indigenous Peoples' connections with their territories, including SAR, cultural keystone species, and places. A more holistic and integrated approach that weaves together locally specific Indigenous knowledge and cultural practices is needed.	
2.1.1.2 Question	How will Stantec and Enbridge Gas assess Michi Saagiig Cultural Keystone Species in their environmental reporting? How will Stantec and Enbridge Gas assess combined environmental risks to the Michi Saagiig culture?	Enbridge Gas continues to work with CLFN to identify those Cultural Keystone Species and confirm that proposed mitigation measures are acceptable. Please know that Enbridge Gas appreciates past and future opportunities to meet with CLFN to discuss and received knowledge related to Cultural Keystone Species.
2.1.1.3 Recommendation	Similar to the previous review submission provided by 4 Directions for the Bobcaygeon Community Expansion Project, any wildlife observations from both desktop review and field investigations should be screened for those identified as Cultural Keystone Species to the Michi Saagiig. Stantec and Enbridge should assess all potential risks to Michi Saagiig Cultural Keystone Species and, subsequently, the Michi Saagiig culture.	Enbridge Gas is open to incorporating the Michi Saagiig knowledge in the EPP.
2.1.2 Quotation	"Ecological Land Classification (ELC) ELC mapping of the Study Area for Phases 1-3 is provided on Figures 1-1 – 1-23 (Appendix A). The Study Area is situated in a mostly rural or semi-rural setting with a mixture of natural vegetation communities, agricultural fields, and rural properties. Thicket and woodland communities have a variable composition, but forests are generally dominated by eastern white cedar and trembling aspen or sugar maple and other hardwoods. Swamp communities are generally dominated by Freeman's (swamp) maple and/or trembling aspen. Marsh communities	On behalf of the CLFN, 4 Directions Conservation Consultation Services completed a site visit with Enbridge Gas on June 8, 2022, which was summarized in an August 19, 2022, Technical Field Memorandum. Enbridge Gas continues to work with CLFN to address their concerns raised, however, the results were not included in this Enbridge Gas memo for confidentiality purposes. Any commitments from these continued discussions will be incorporated into the Project's EPP.

	in the Study Area (e.g., the edge of Pigeon Lake) are generally dominated by cattails. Standing water is common in many of these marsh communities. The majority of Phase 3 is located within the Town of Bobcaygeon, comprised primarily of residential and business areas, with a small community along Pigeon Lake in Phase 2. None of the vegetation communities listed below are considered rare in the province. The vegetation community types for the Study Area are provided in Appendix B. Flora: Results of the single-season flora survey identified a total of 202 species of vascular plants, including taxa identified to species, subspecies (ssp.) and variation (var.) levels. Of these species, 131 species are native to Ontario, 130 of which species have a provincial rank of S4 or S5, indicating they have a secure population in Ontario. The full plant species list can be found in Appendix C. Additionally: - One (1) species with a provincial rank of S2? (imperiled rank uncertain; Butternut) - No highly sensitive plant species (with a C value of 8, 9 or 10) were observed - 71 species observed are exotic and not native to Ontario - Eastern prairie fringed orchid, a SAR identified in the background review was not observed during field investigations in 2022. Two plant SAR were observed, butternut and black ash, which are described below."	
2.1.2.1 Statement	Similar to Statement 2.1.1.1, Stantec does not include any Cultural Keystone Species within the ELC community delineation or roadside vegetation surveys. This is in part due to the lack of preparation in compiling Michi Saagiig Cultural Keystone Species at the desktop review stage. The ELC communities contain Cultural Keystone Species and traditional medicines used by the Michi Saagiig. The possible negative impacts and/or destruction of these species and medicines is a direct infringement upon the Michi Saagiig Treaty Rights to freely harvest on their territory.	

2.1.2.2 Question	How will Stantec and Enbridge Gas protect the Cultural Keystone Species and traditional medicines of the Michi Saagiig?	Proposed mitigation measures for vegetation are included in Table 5-1 of the ER (Section 3.3.2 Row). This mitigation would be applied to protect vegetation from impacts of Project construction and are highlighted below: • Use HDD where appropriate. • Limits of the workspace should be clearly marked to minimize encroachment into adjacent wooded areas and avoid unnecessary tree removal. • Clearing should be done during dry soil conditions to the extent practical to limit disturbance to vegetation and terrain. • Trees or other vegetation to be retained should be surrounded by temporary protective fencing or other measures before any clearing or grading occurs and maintained until construction work is completed in that area and the site is restored. Barriers should be large enough to encompass the essential root zone of the vegetation to be protected. • Construction traffic should be restricted to the existing road allowance where possible to avoid potential compression damage to the root zones of trees located adjacent to the road allowance. • Native topsoil should be preserved through topsoil salvage and separation (see row "*Soil and Soil Capability* Section 3.2.5"). • High-traffic or erosion-prone areas of the road allowance should be revegetated with suitable protective cover during and post-construction. • Where seeding is required in a natural area, consider the use of local, native species that are suitable for the specific climate, soil type and terrain conditions onsite. After the pipeline installation completion, the site will be restored to pre-existing conditions, allowing continued use by
2.1.2.3 Recommendation	Stantec should include the specific identification of Cultural Keystone Species of the Michi Saagiig in the ELC community inventory and roadside vegetation survey in order to adequately protect these species through the project's mitigation measures.	

		all Cultural Keystone Species with no permanent change in habitat conditions. A full vegetation list has been provided in Appendix C of the Phases 1-3 ELC memo. Enbridge Gas appreciated the opportunity to undertake a TLU and associated Technical Field Memorandum with CLFN as well as CLFN's participation in field studies and review and comments on Enbridge Gas ER report and related memos. CLFN's participation assists in ensuring mitigation measures are in place to protect Michi Saagiig Cultural Keystone Species and traditional medicines.
2.1.3 Quotation 2.1.3.1 Statement	"Black Ash This species was assessed by COSSARO in October 2020, which recommended a designation of Endangered. Black ash was subsequently added to the SARO list on January 26, 2022. However, effective January 2022, a temporary suspension for protection for the species under the ESA has been made for two years to allow time to develop an approach to support Black Ash protection and recovery (ERO 2022). This temporary suspension will elapse on January 26, 2024. Black ash was predominantly documented in the Study Area along McGregor Road and Centerline Road, as shown on Figures 1-7, 1-21 – 1-22 (Appendix A)." The temporary pause against adversely impacting Black Ash and its habitat was facilitated through the highly controversial and irresponsible 2019 amendments to the ESA (e.g., Bergman et al. 2020; Bethlenfalvy and Olive, 2021). Globally, Black Ash is listed as critically endangered. According to the Committee on the Status of Species at Risk (COSSARO), 25% of its global range falls within the province of Ontario which means we are responsible for the protection and recovery of this species (COSSARO,2020). The temporary suspension Stantec is referencing was justified by the MECP as a means to better understand how to approach the conservation of this species. However, both COSSARO and the Committee on the Status of Endangered Wildlife in	

		Canada (COSEWIC) have already thoroughly documented known threats to the species and recovery priorities (COSSARO,2020; COSEWIC, 2018). In addition, Black Ash is also a cultural keystone species for Indigenous Peoples within Canada, including the Anishinaabeg, Haudenosaunee, Wabenaki, Ho-Chunk, and Menominee (Church, 2016). Its role as a keystone species means that Black Ash should be provided protection within this project, irrespective of O.Reg. 23/22.	
2.1.3.2	Question	Given Ontario's significant conservation responsibility for Black Ash and its importance as a Cultural Keystone Species to the many Indigenous Peoples, including the Michi Saagiig, how do Stantec and Enbridge Gas plan to mitigate impacts to this species?	Regardless of the temporary suspension in place for the protection of black ash under the *Endangered Species Act, 2007* (ESA), Enbridge Gas included black ash in the 2022 field program and has committed to implementing mitigation measures to protect black ash. Five (5) black ash were identified in 2022 in the Study Area along McGregor Road and Centerline Road, as shown on mapping provided in the memo on Figures 1-7, 1-21 and 1-22. These black ash are located within swamp communities. To avoid potential impacts during construction activities, Enbridge Gas is proposing to utilize HDD at wetland crossings, including swamp communities. This approach would avoid impacts to the identified black ash. The ELC Memo has been updated with mitigation for black ash included. Enbridge Gas appreciated the opportunity to undertake a TLU and associated Technical Field Memorandum with CLFN to further understand and incorporate information into the Project and to assist with the development of and implementation of additional mitigation measures where required. If CLFN has further input on appropriate mitigation measures, Enbridge Gas would be open to including that input in the EPP as appropriate.
2.1.3.3	Recommendation	4 Directions recommends that Stantec develop mitigation measures for Black Ash in conjunction with the Michi Saagiig to ensure this species is protected throughout the project and afterward.	

2.1.4 Quotation	"Incidental Wildlife Wildlife that were observed incidentally while conducting field surveys of the Study Area included: - Northern water snake - Unidentified turtle nests - Green Frog "	
2.1.4.1 Recommendation	4 Directions recommend that Stantec develop a plan to minimize impacts on frog populations, with an emphasis on bullfrog and green frog populations. These species are a traditional food source for the Michi Saagiig and are still used to this day.	Enbridge Gas acknowledges the importance of reducing potential impacts to amphibian populations including bullfrog and green frog populations since they are a traditional food source of the Michi Saagiig. Construction in aquatic habitat that support the life cycle of bullfrog, green frogs and other

		amphibians will be avoided to reduce the potential impacts to future populations of amphibians. The pipeline is proposed to be installed by HDD under wetland and watercourse features to reduce and attempt to eliminate impacts to habitat that support amphibians. Mitigation measures for amphibians and other wildlife and wildlife habitat are included in Table 5-1 *Wildlife, Wildlife Habitat and Species at Risk* (Section 3.3.4).
2.1.5 Quotation	"Blanding's Turtle may be present in shallow marshes within the right-of-way. To mitigate interactions with this species, exclusionary fencing will be installed on the edges of the work area prior to construction activities for work occurring during the turtle active season (e.g., April 1 – October 31). Fencing will be installed at areas identified as potential Blanding's Turtle habitat (see Figures 1-8 – 9, 1-12, 1-15 – 1-16, 1- 18, and 1-21 – 1-23, Appendix A) and/or in areas identified as having turtles, including up to 250 m away from Blanding's Turtle occurrences, if applicable. Predominantly, turtle habitat in the Study Area is in rural areas, however; exclusion fencing is not recommended in areas where driveways, laneways, and other rights-of-way would require frequent breaks in fencing. This is to avoid the installation of ineffective mitigation where site conditions prohibit a continuous exclusion area. Installation will follow best management practices from the Ministry of Natural Resources and Forestry (MNRF) 2016 document: Best Management Practices for Mitigating the Effects of Roads on Amphibians and Reptile Species at Risk in Ontario."	
2.1.5.1 Statement	Turtles are Cultural Keystone Species of the Michi Saagiig. Mitigation measures put in place for turtles should be reviewed by the Michi Saagiig. Further, installation of mitigation measures pertaining to them should be overseen by a representative from CLFN to ensure they are adequately protected.	Mitigation measures included for turtles (including Blanding's turtle) in the memo and/or ER and to be included in the EPP include: • Enbridge Gas is proposing to utilize HDD at wetland crossings that encroach onto the right-of-way. HDD is a construction technique used to avoid impacts to sensitive habitats, including wetlands where turtles may be present. Exclusion fencing would be installed at entry/exit work areas and surrounding open pits to
2.1.5.2 Recommendation	A representative of CLFN should be on site during the installation of exclusion fencing. Any findings from the	

	environmental inspector during construction should be shared with CLFN.	prevent turtle entry. Implementing erosion and sediment control measures will also be utilized to protect turtle habitat from sedimentation (wetlands). • Exclusion fencing (e.g., silt fence) should be erected prior to activities occurring during the active season (e.g., April 1 – September 30) in areas identified as having turtles (30 m for Species of Conservation Concern species, 250 m for Blanding's turtle) or as being high potential, such as stream/river crossings, lake shores, ponds, wetlands, dips or valleys between rock outcrops, wetted ditches connected to natural water features. • Exclusion fencing is not recommended in areas where driveways, laneways, and other rights-of-way would require frequent breaks in fencing. This is to avoid the installation of ineffective mitigation where site conditions prohibit a continuous exclusion area. • Exclusion fence installation will follow best management practices from the Ministry of Natural Resources and Forestry (MNRF) 2016 document: *Best Management Practices for Mitigating the Effects of Roads on Amphibians and Reptile Species at Risk in Ontario*. • Exclusion fencing should be routinely monitored for damage to prevent turtles from entering the work areas. If a turtle is encountered, the turtle should be given sufficient time to move away on its own, which may require some fencing to be temporarily removed to allow it to escape. Alternatively, it can be relocated to suitable habitat (very close by) by a qualified professional. • No heavy machinery should be permitted on the shoulder of the road past the exclusion fencing to prevent compaction and prevent destruction of nests and habitat. • If construction is required within the restricted turtle nesting activity period (May 1 to June 30), exclusion

		fencing is to be erected prior to the turtle active season (April 1). If exclusionary fencing is erected after the start of the turtle active season, a wildlife sweep of the area is to occur to ensure no wildlife and/or nests are trapped within the exclusion fencing. • A turtle nest survey will be completed in potential nesting habitat prior to area disturbance (vegetation clearing, soil stripping, foot traffic/transportation of equipment), and prior to use of heavy equipment when turtle nests may be present prior to hatching (between May 1 and October 31). If a nest is found, it will be staked with a 30 m buffer and will be avoided, where possible. If a nest cannot be avoided, it will be hand dug by or under the supervision of a qualified professional, prior to disturbance in the immediate area (vegetation clearing, topsoil removal). Eggs will be transported to a Wildlife Custodian for incubation. The Wildlife Custodian must be authorized to keep Blanding's turtles in captivity. Similarly, if a nest is unearthed during construction, work will cease until eggs are collected by a qualified professional. Once hatched, the turtles should be released back to the site of capture. Additional mitigation measures, if required, will be included in the EPP. Enbridge Gas welcomes CLFN to site during site mobilization, during construction and post construction to complete walk throughs to confirm proposed mitigation measures are being followed. Enbridge Gas welcomes CLFN to site during the installation of exclusion fencing. Enbridge Gas endeavors to report on construction progress and implementation of mitigation measures with respect to Cultural Keystone Species and potential infringement on treaty rights to CLFN.

2.2 Technical Accuracy		
2.2.1 Quotation	"Breeding Birds: A total of 76 species of breeding birds were documented during surveys conducted in 2022, all of which are expected to be breeding within the Study Area. Three SOCC were observed, including Wood Thrush, Eastern Wood-Pewee and Grasshopper Sparrow. Four SAR were observed, including Barn Swallow, Bank Swallow, Eastern Meadowlark and Bobolink. A full list of bird species recorded can be found in Appendix C. A total of 55-point counts were conducted during the first round of surveys with grassland SAR birds recorded at 31 of these survey stations. Of the 24-point counts surveyed during the second round of surveys, grassland SAR birds were recorded at an additional four (4) survey locations. During the last round of surveys, conducted at a total of 20 locations, no grassland SAR birds were observed. In total, grassland SAR birds were observed at 35 of the 55 point counts and SAR were considered absent at the remaining 20 point counts. Cutting in many forage crop (hay, alfalfa) communities within the Study Area occurred in June, making habitat unsuitable for these species to breed. A total of 14 crepuscular point counts were surveyed twice, once in late June and once in early July. No crepuscular SAR birds (e.g., Eastern Whip-poor-will, Common Nighthawk)	

	were recorded during surveys. A total of seven (7) Least Bittern point counts were surveyed once over the course of two days in late May. No Least Bittern were observed during surveys."	
2.2.1.1 Statement	Stantec references the national protocol for surveying Least Bittern (Jobin et al., 2010), however, only conducted point counts over the course of two days in May. Least Bittern have a secretive nature and can remain undetected even after one or two surveys at the same wetland. The national protocol recognizes this issue with species detection and recommends 3 site visits conducted only once every ten days to enhance detection.	
2.2.1.2 Question	Why did Stantec deviate from the timing and frequency of survey guidance outlined in the national protocol for Least Bittern?	Least Bittern surveys included the use of the thirteen-minute roadside point counts that included both passive listening and broadcasting calls as described in Jobin et al., 2010. As indicated, Least Bittern are secretive creatures and therefore tend to avoid portions of their habitat located along hard edges (e.g., roads). Since the proposed location of the Project is entirely within the road rights-of-way, regardless of survey methods, impacts within the Project footprint on Least Bittern and associated habitat are not anticipated. The ELC Memo has been updated with clarification on the Least Bittern survey methods.
2.2.1.3 Recommendation	4 Directions recommend Stantec provide clarity on their deviation from the survey timing and frequency guidance outlined in the national survey protocol for Least Bittern. Greater care should be given to planning investigations that closely follow industry standards to ensure that there is a higher probability of detecting secretive marsh birds that are of conservation concern, including Least Bittern.	

Line-item attachment 5.158

Stantec

Stantec Consulting Ltd.
100-300 Hagey Boulevard, Waterloo ON N2L 0A4

ENBRIDGE
Life Takes Energy™

May 2, 2023

Curve Lake First Nation

SENT VIA EMAIL

Reference: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Project Amendment

On September 1, 2021, Enbridge Gas Inc. ("Enbridge Gas" or the "Company") circulated a Notice of Study Commencement and Virtual Open House for the proposed Bobcaygeon Community Expansion Project, which would supply the community with affordable natural gas (the "Project"). The Project will be located in the City of Kawartha Lakes and Township of Cavan-Monaghan. As part of the planning process, Enbridge Gas retained Stantec Consulting Ltd. ("Stantec") to undertake an Environmental Study for the Project. The Environmental Study fulfilled the requirements of the Ontario Energy Board's ("OEB") "*Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)*"[1].

On June 9, 2021, the proposed Bobcaygeon Community Expansion Project ("Project") was approved to receive funding assistance as part of Phase 2 of the Government of Ontario's Natural Gas Expansion Program, which provides financial support to help utilities expand natural gas distribution in communities that are not currently connected to the natural gas system.

On May 2, 2022, Enbridge Gas applied to the OEB pursuant to section 90(1) of the Ontario Energy Board Act, S.O. 1998, c. 15, Schedule B, for an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities for which the Company sought OEB approval consisted of:

(i) A Supply Lateral:
- Approximately 25 km of Nominal Pipe Size ("NPS") 6-inch extra high pressure ("XHP") steel ("ST") natural gas distribution pipeline.
- Approximately 2 km of NPS 6-inch high pressure polyethylene ("HPPE") natural gas distribution pipeline.
- Approximately 1 km of NPS 6-inch high pressure ("HP") ST natural gas distribution pipeline.

(ii) Eastern Reinforcement
- Approximately 13 km of NPS 6-inch XHP ST natural gas pipeline.

Enbridge Gas subsequently filed three requests for abeyance of the aforementioned application on July 5, 2022, October 31, 2022, and February 28, 2023, in order to update and interpret the results of the market analysis and surveys for the Project to provide an appropriate basis for the customer attachment forecasts filed in support of the application. The OEB confirmed on March 3, 2023, that they will continue to hold the application in abeyance until June 30, 2023.

The purpose of this letter is to inform you that Enbridge Gas is proposing to file an updated application with the OEB no later than June 30, 2023, seeking an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities for which the Company is seeking OEB approval consists of the aforementioned Supply Lateral and Eastern Reinforcement; however, the Eastern Reinforcement has since been reduced

[1]The OEB Released the 8th Edition of the Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario in March 2023, after the initiation, consultation and finalization of the Bobcaygeon Community Expansion Project and associated Environmental Report.

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100-300 Hagey Boulevard, Waterloo ON N2L 0A4

to approximately 8 km of NPS 6-inch XHP ST natural gas pipeline. There is no change to the proposed Supply Lateral. Please see the attachment (Figure 1) for the updated map of the Project.

Stantec has reviewed the updated Project scope, as outlined above, in comparison to the information presented in the 2021 Environment Report and have determined that the updated Project scope is sufficiently covered in the Environmental Report, and that no adjustments or revisions to the Environmental Report are necessary.

If you have questions or comments regarding the Bobcaygeon Community Expansion Project, please do not hesitate to contact the undersigned.

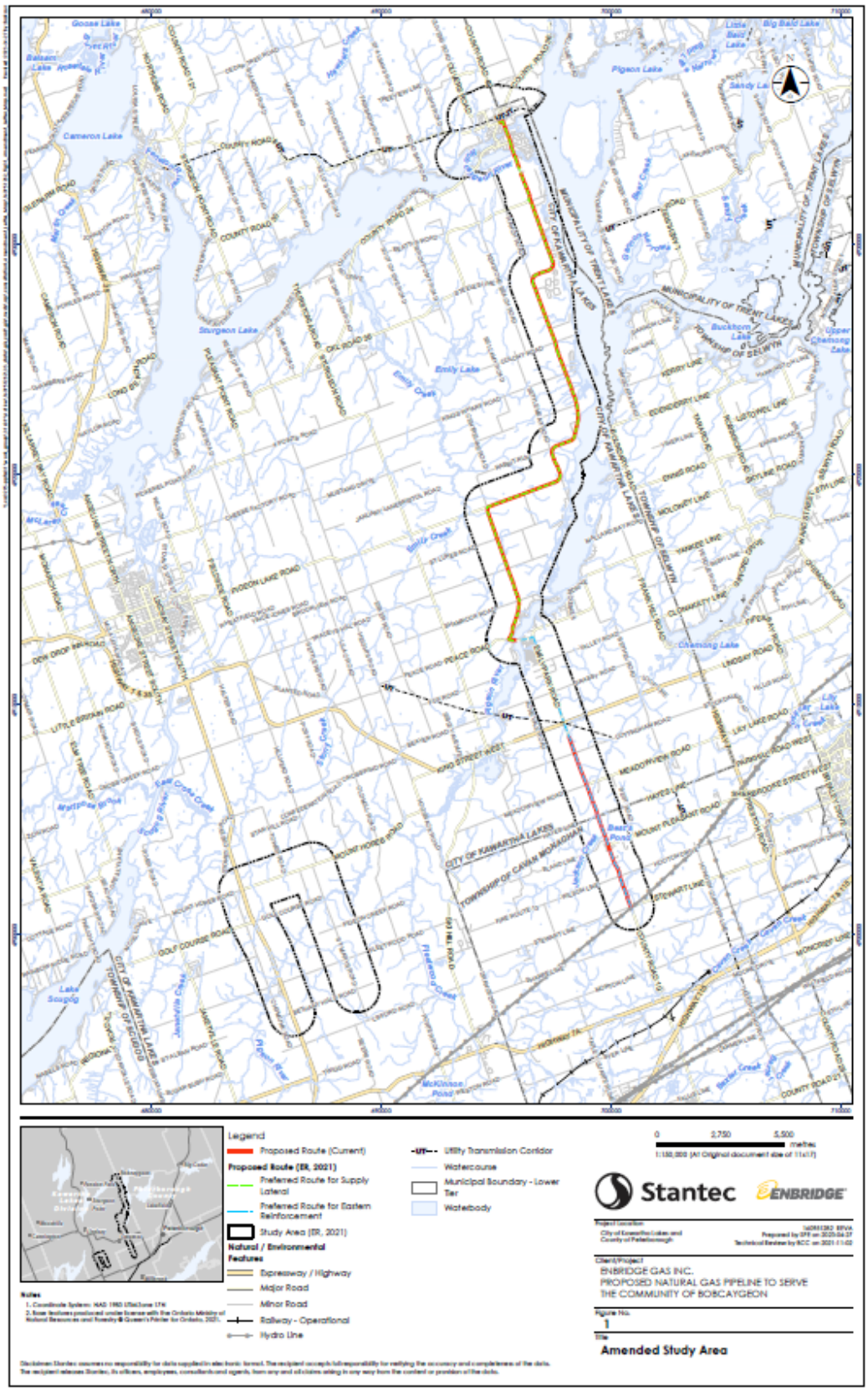
Yours truly,

Emily Hartwig
Stantec Consulting Ltd.
Environmental Consultant
Phone: 519 585 3849
BobcaygeonEA@stantec.com

Attachment: Figure 1 – Amended Study Area

c. Sarah Kingdon-Benson, Senior Advisor, Environment, Enbridge Gas Inc.

[1]The OEB Released the 8th Edition of the Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario in March 2023, after the initiation, consultation and finalization of the Bobcaygeon Community Expansion Project and associated Environmental Report.


Legend
Proposed Route (Current)
Proposed Route (ER, 2021)
Preferred Route for Supply Lateral
Preferred Route for Eastern Reinforcement
Study Area (ER, 2021)
Natural / Environmental Features
Expressway / Highway
Major Road
Minor Road
Railway - Operational
Hydro Line
Utility Transmission Corridor
Watercourse
Municipal Boundary - Lower Tier
Waterbody
Stantec
ENBRIDGE
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON
1
Amended Study Area

Line-item attachment 6.0

From: Melanie Book <Melanie.Book@enbridge.com>

Sent: Tuesday, August 31, 20213:27 PM

To: 'tcowie@hiawathafn.ca'

Subject: Project Initiation- Bobcaygeon Community Expansion Project

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Afternoon Tom,
Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon CommunityExpansion Project,* attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* **to supply the** community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations i attached for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking Hiawatha First Nation's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,
Melanie

Melanie Book
Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Strategiste,
Engagement communautaire et autochtone, Ontario, Quebec et Maritimes

Public Affairs, Communications & Sustainability

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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com400
Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

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August 31, 2021

Chief Laurie Carr
Hiawatha First Nation
431 Hiawatha Line
Hiawatha K9J 0E6

Dear Chief Carr,

Reference: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Study Commencement and Virtual Open House

I am writing to advise you of an upcoming gas pipeline project in the Bobcaygeon area, in the Williams Treaties Traditional Territory. Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of upto approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.

The proposed Project is divided into two components: the Supply Lateral, and the Reinforcement, each ofwhich have two (2) routes being considered. For the Supply Lateral, both routes will start near Cowan's Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channel. An alternate route is being considered which has a minor deviation east alongTraceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon LakeRoad. For the Reinforcement, both route options require the reinforcement portion which starts near the intersection of Marina St. and Peace Road, travels east on Peace Road and south on Emily Park Road toStewarts Line where it will end. An additional reinforcement pipeline is required on Highway 35 between Bethany Hills Road and Mt Horeb Rd, with an alternate route along Mt Horeb Road and St. Marys Road, ending at Bethany Hills Road.

The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential forTemporary Working Space (TWS).

For further details, please refer to the attached map.

As part of the planning process, Enbridge Gas has retained Stantec Consulting Ltd. (Stantec) to undertakean Environmental Study for the Project. The Environmental Study will fulfill the requirements of the OntarioEnergy Board's (OEB) *"Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)"*.

An Environmental Report, summarizing the results of the Environmental Study, will accompany Enbridge Gas' application to the OEB as part of their Leave to Construct application. It is anticipated that the Environmental Report for the study will be completed in Winter 2021. The OEB's review and approval is required before the proposed Project can proceed. If approved, construction is currently anticipated to beginin early 2023.

Stantec is presently compiling an environmental, socio-economic, and archaeological/cultural heritage inventory of the Study Area. As an Indigenous community with a potential interest in the Study Area, we areinviting Hiawatha First Nation to provide comments and feedback regarding the proposed Project.
Specifically, we are seeking information about areas that may be culturally significant to your community inthe study area and information about potential effects that the Project may have on asserted or establishedAboriginal and treaty rights, and any measures for mitigating those adverse impacts.

Stantec

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As part of the Environmental Study, Enbridge Gas is also in the process of contacting the followingagencies:

- Indigenous and Northern Affairs Canada; and
- Ontario Ministry of Indigenous Relations and Reconciliation.

As a result of the physical distancing requirements set out by the Province of Ontario due to COVID-19, a Virtual Open House will be held in place of an in-person Open House.

The Virtual Open House will be available for two weeks starting on **September 13, 2021** and finishingon **September 27, 2021,** at www.solutions.ca/BobcaygeonEA

A questionnaire will be available as part of the Virtual Open House, and you will have the ability to submit comments and/or questions about the proposed Project. In addition, a copy of the Virtual Open House story boards will be available on the Enbridge Gas project website at: https://www.Enbridgegas.com/BobcaygeonProject.

Enbridge Gas is committed to meaningful engagement with Indigenous communities. As such, we would be interested in holding a conference call with Hiawatha First Nation to share project related information, shouldyou wish. If you have any questions, would like to provide feedback, share knowledge, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with Hiawatha First Nation to ensure your interests are being considered and represented.

We kindly request that any initial input and comments regarding the Project are provided by your community by **October 12, 2021**. Please let us know if you are unable to respond by this date butareinterested in participating in the consultation process for the Project.

If you have questions or concerns regarding the Bobcaygeon Community Expansion Project, please do not hesitate to contact me directly.

Regards,

Melanie Book
Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes
PH: 613-784-6814

Melanie.book@enbridge.com

Attachment: Figure 1 – Study Area

c. Sarah Kingdon-Benson, Enbridge Gas Inc.
Rooly Georgopoulos, Stantec Consulting Ltd.

Line-item attachment 6.1

From: Melanie Book <Melanie.Book@enbridge.com>

Sent: Thursday, September 16, 2021 2:18 PM

To: 'tcowie@hiawathafn.ca'

Cc: Matthew Chegahno

Subject: Virtual Open House- Bobcaygeon Community Expansion Project

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Afternoon Tom,

I hope this email finds you well as we all start returning from summer vacations and gear up for a busy Fall.

I'm writing to you today to notify you that the Virtual Open House (VOH) for Enbridge Gas' Bobcaygeon Community Expansion Project is now live and underway. Please feel free to click here to access the VOH - I think you'll find that it has lots of rich information, including a project map, project overview, the process behind the environmental study, as well as a section on next steps. I'd like to kindly invite you, and anyone else in your community that may be interested, to have a look around the website to learn more about the Project.

If you have any questions or feedback on the project, or just want to speak with me directly about it, please do not hesitate to contact me and I will be sure to schedule some time for us.

Thanks in advance,

Melanie

Melanie Book
Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Strategiste,
Engagement communautaire et autochtone, Ontario, Quebec et Maritimes

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CELL: 613-355-6561 | melanie.book@enbridge.com400
Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

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Line-item attachment 6.3

From: Tom Cowie <tcowie@hiawathafn.ca>

Sent: Tuesday, October 5, 20211:09 PM

To: Melanie Book <Melanie.Book@enbridge.com>

Subject: [External] RE: Project Initiation- Bobcaygeon Community Expansion Project

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or openattachments unless you recognize the sender or know the content is safe.

Aaniin Melanie,

The major concern we have is the high potential of artifact being found. Even though it is a built up area and lands have been disturbed there still is a possibility of discovering something. We are finding more and more discoveries along the tributaries and waterways.

Mno nendam ghiizhigad,

Tom Cowie

Lands/Resources Consultation

Hiawatha First Nation
431 Hiawatha Line
Hiawatha, ON K9J 0E6
705-295-3156

705-295-7177 (fax)

tcowie@hiawathafn.ca

Line-item attachment 6.4

From: Melanie Book <Melanie.Book@enbridge.com>

Sent: Wednesday, October 6, 202112:22 PM

To: Tom Cowie

Cc: Matthew Chegahno

Subject: RE: Project Initiation- Bobcaygeon Community Expansion Project

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Afternoon Tom,

Thank you for this. After having spoken to Dr. Julie at Curve Lake, this is consistent with what she noted.

I have flagged this with the project team, that this area is culturally and archaeological significant. I genuinely appreciate the initial feedback.

I will let you know once we get some of the desktop archaeological work going.Miigwech.

Melanie

Line-item attachment 6.5

From: Matthew Chegahno <matthew.chegahno@enbridge.com>
Sent: Friday, October 22, 2021 11:56 AM
To: tcowie@hiawathafn.ca
Cc: Melanie Book

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know thecontent is safe.

Good afternoon Tom,

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

Stage 1:

Enbridge had a Stage 1 AA completed for a portion of the proposed project in 2006 (report attached), which has been accepted into the MHSTCI's archaeological register and confirmed by Stantec with the MHSTCI that the report could be grandfathered in for Phase One of this proposed project. As always, should your community have any additional insightinto this area, we always appreciate the opportunity to proactively incorporate shared knowledge, in future reports.

An additional Stage 1 AA is being conducted for the Reinforcement section (Phase 2) of the pipeline as well as an additional buffer zone outside of the municipal right-of-way for the Supply Lateral to account for potential Temporary Working Space. Any supplementary draft Stage 1 Reports, for other phases of the proposed project, will be shared withyour community for review, once prepared.

Stage 2:

Based on the results of the 2006 Stage 1 AA desktop review, a Stage 2 AA will be required along specific areas of the preferred pipeline route. Please note that this Stage 2 AA is related specifically to Phase One of the proposed project (seemap attached), the Stage Two field work is planned for the following dates.

Proposed start date: November 16, 2021

Proposed end date: November 18, 2021

Please take time to review this information and advise if your community is interested in participating in this monitoringwork. I would also kindly ask you to indicate whether you would like to be included in-person or virtually.

If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.Thanks in

advance and have a great weekend,

Matthew

Matthew Chegahno
Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

Line-item attachment 6.9

Sent: Monday, November 22, 2021 9:53 AM
To: Tom Cowie

Cc: Melanie Book

Subject: Final Update for Bobcaygeon Phase 1 Stage 2 AA Fieldwork + Link for Picture Download

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know thecontent is safe.

Hi there Tom,

I hope this note finds you well at the start of what will hopefully be a great week.

I wanted to provide a final update for the Bobcaygeon Phase 1 Stage 2 AA field work which was completed last week. Perthe Field Supervisor, Lucas Hillcoat, activities at the site were concluded on Wednesday, November 17 by the end of theday.

I have included a link below to a sample of photos that were taken over the duration of the two-day AA fieldwork – Pleasenote that photos 8003-8033 are from Tuesday, November 16 and photos 8054-8074 are from Wednesday, November 17.**Login Information**
Browser link: https://tmpsftp.stantec.com

FTP Client Hostname: tmpsftp.stantec.com **Port:** 22 (can be used within an FTP client to view and transfer files and folders; e.g., FileZilla)

Login name: s1206074634

Password: 4802884
Disk Quota: 5GB
Expiry Date: 12/6/2021

If you have any questions, please do not hesitate to respond back to me and I will work to make sure you getthe appropriate answer(s).
Chi-miigwetch,

Matthew

Matthew Chegahno
Advisor, Community & Indigenous Engagement

Line-item attachment 6.10

Sent: Friday, December 3, 2021 4:25 PM

To: Tom Cowie

Cc: Melanie Book

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good evening Tom,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite Hiawatha First Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

In the link below please find a copy of the draft ER for the Project.

www.enbridgegas.com/bobcaygeonproject

I would kindly ask that the community returns to me any comments or feedback on the draft ER for the Project by no later than January 17, 2022.

Please be reminded that your community's review and comments are valued and will be used to help shape the approachfor this project. If you have any issues with the link or questions about the report, please do not hesitate to contact me and I will work to have your inquiry resolved.

Chi-miigwetch in advance for your time and attention on this matter.Matt

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Line-item attachment 6.16

From: Melanie Green
To: tcowie@hiawathafn.ca
Cc: Lauryn Graham
Subject: Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment
Date: Thursday, May 12, 2022 10:54:17 AM

Good morning,

I have been given information related to; PHASE 1 Ecological Land Classification and Habitat Assessment related to Bobcaygeon Community expansion project – should you be interested in reviewing, the information to access below.
As always, your feedback is appreciated and Enbridge acknowledges that capacity support may be required in order engage in timely reviews of the documents, participation in archaeological work associated with proposed projects, and to engage in meaningful consultation. We are prepared to provide capacity funding to support this work.

Should time allow, we would appreciate comments and feedback by June 8th, 2022 – if you force requiring more time, please let me know.

Thank you and have a fabulous day!

Mel

Login Information

Browser link: https://tmpsftp.stantec.com
FTP Client Hostname: tmpsftp.stantec.com **Port:** 22 (can be used within a SFTP client to view and transfer files and folders; e.g., FileZilla)
Login name: s0518142202
Password: 7969419
Disk Quota: 20 GB
Expiry Date: 5/18/2022

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

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ENBRIDGE INC.
TEL: 613.747.4039 | Cell: 613.297.4365
400 Coventry Rd, Ottawa, ON K1K2C7

www.enbridge.com

Line-item attachment 6.27

From: Sean Davison <sdavison@hiawathafn.ca>
Sent: Wednesday, July 20, 2022 2:31 PM
To: Melanie Green <Melanie.Green@enbridge.com>
Cc: Lauryn Graham <lauryn.graham@enbridge.com>
Subject: [External] RE: Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment

CAUTION! EXTERNAL SENDER
Were you expecting this email? TAKE A CLOSER LOOK. Is the sender legitimate?
DO NOT click links or open attachments unless you are 100% sure that the email is safe.

Thanks Mel.
Unfortunately this is the first time seeing this email. I have not had a chance to review. I just tried the link and passwords and they have expired. Can I assume Gary has provided comments on behalf of CLFN? If so, I may ask if he is comfortable with Hiawatha using what he has provided.

Sean

Miigwech;

Sean Davison
Lands and Resource Consultation
431 Hiawatha Line
Hiawatha First Nation, ON
K9J 0E6
705-295-4421 EXT# 215

"We, the Michisaagiig of Hiawatha First Nation, are a vibrant, proud, independent and healthy people balanced in the richness of our culture and traditional way of life."

Line-item attachment 6.32

From: Melanie Green
To: Sean Davison; trowie@hiawathafn.ca
Cc: Lauryn Graham
Subject: Bobcaygeon Community Expansion Project - Stage 1 AA MTCS
Date: Tuesday, September 13, 2022 8:55:42 AM

God morning,

Please see attached FTP site related to the Stage 1 AA pertaining to Bobcaygeon Community Expansion Project – We have been provided the report as it has been accepted by the MTCS. We are interested in your review and feedback –

Login Information

Browser link: https://tmpsftp.stantec.com
FTP Client Hostname: tmpsftp.stantec.com **Port:** 22 (can be used within a SFTP client to view and transfer files and folders; e.g., FileZilla)
Login name: s0916131613
Password: 2177426
Disk Quota: 20 GB
Expiry Date: 9/23/2022

thank you and have a great day!

Mel

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

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Line-item attachment 6.36

From: Melanie Green
To: Mandy Mcgonigle; Sean Davison; tcowie@hiawathafn.ca
Cc: Lauryn Graham
Subject: Stage 2 AA - Bobcaygeon Community Expansion Project (Memo)
Date: Thursday, February 16, 2023 2:20:08 PM
Attachments: 160951282_2022_arch_field_memo_rev.pdf

Good afternoon,

We just received an archaeological field memo detailing high level results/pictures from the Stage 2 AA field work for Phases 1-2 and photo documentation for Phase 3, related to the Bobcaygeon Community Expansion Project. A detailed report is forthcoming and as soon as it is received, I will send it off for review and comment.

Should you have any questions, please reach out.

Thank you in advance,

Mel

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

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Line-Item attachment 6.42

Stantec Consulting Ltd.
100-300 Hagey Boulevard, Waterloo ON N2L 0A4

May 2, 2023

Hiawatha First Nation

SENT VIA EMAIL

Reference: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Project Amendment

On September 1, 2021, Enbridge Gas Inc. ("Enbridge Gas" or the "Company") circulated a Notice of Study Commencement and Virtual Open House for the proposed Bobcaygeon Community Expansion Project, which would supply the community with affordable natural gas (the "Project"). The Project will be located in the City of Kawartha Lakes and Township of Cavan-Monaghan. As part of the planning process, Enbridge Gas retained Stantec Consulting Ltd. ("Stantec") to undertake an Environmental Study for the Project. The Environmental Study fulfilled the requirements of the Ontario Energy Board's ("OEB") "*Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)*"[1].

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(ii) Eastern Reinforcement
- Approximately 13 km of NPS 6-inch XHP ST natural gas pipeline.

Enbridge Gas subsequently filed three requests for abeyance of the aforementioned application on July 5, 2022, October 31, 2022, and February 28, 2023, in order to update and interpret the results of the market analysis and surveys for the Project to provide an appropriate basis for the customer attachment forecasts filed in support of the application. The OEB confirmed on March 3, 2023, that they will continue to hold the application in abeyance until June 30, 2023.

The purpose of this letter is to inform you that Enbridge Gas is proposing to file an updated application with the OEB no later than June 30, 2023, seeking an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities for which the Company is seeking OEB approval consists of the aforementioned Supply Lateral and Eastern Reinforcement; however, the Eastern Reinforcement has since been reduced

[1]The OEB Released the 8th Edition of the Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario in March 2023, after the initiation, consultation and finalization of the Bobcaygeon Community Expansion Project and associated Environmental Report.

Stantec

Stantec Consulting Ltd.
100-300 Hagey Boulevard, Waterloo ON N2L 0A4

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to approximately 8 km of NPS 6-inch XHP ST natural gas pipeline. There is no change to the proposed Supply Lateral. Please see the attachment (Figure 1) for the updated map of the Project.

Stantec has reviewed the updated Project scope, as outlined above, in comparison to the information presented in the 2021 Environment Report and have determined that the updated Project scope is sufficiently covered in the Environmental Report, and that no adjustments or revisions to the Environmental Report are necessary.

If you have questions or comments regarding the Bobcaygeon Community Expansion Project, please do not hesitate to contact the undersigned.

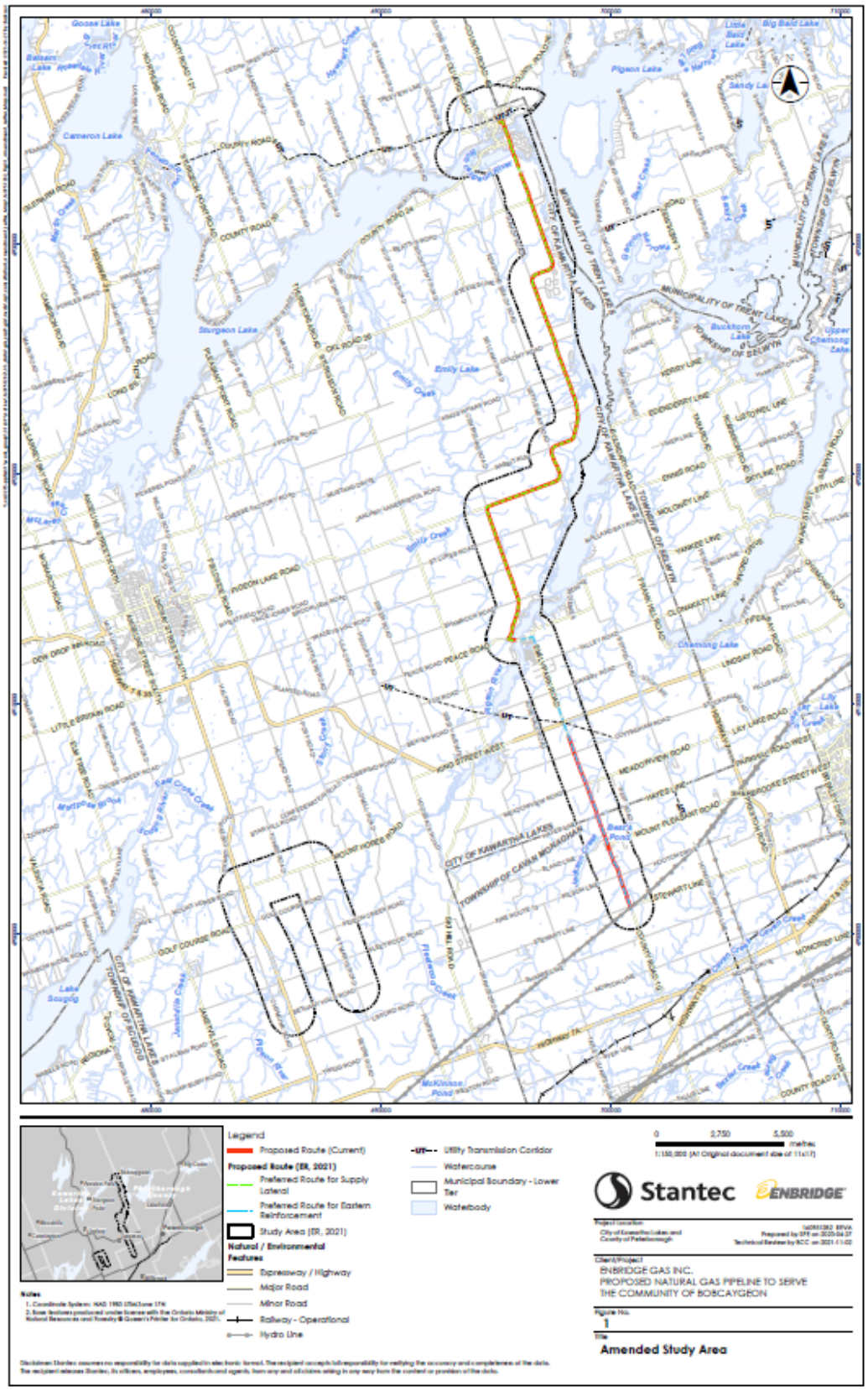
Yours truly,

Emily Hartwig
Stantec Consulting Ltd.
Environmental Consultant
Phone: 519 585 3849
BobcaygeonEA@stantec.com

Attachment: Figure 1 – Amended Study Area

c. Sarah Kingdon-Benson, Senior Advisor, Environment, Enbridge Gas Inc.

[1]The OEB Released the 8th Edition of the Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario in March 2023, after the initiation, consultation and finalization of the Bobcaygeon Community Expansion Project and associated Environmental Report.


Legend
Proposed Route (Current)
Proposed Route (ER, 2021)
Preferred Route for Supply Lateral
Preferred Route for Eastern Reinforcement
Study Area (ER, 2021)
Natural / Environmental Features
Expressway / Highway
Major Road
Minor Road
Railway - Operational
Hydro Line
Utility Transmission Corridor
Watercourse
Municipal Boundary - Lower Tier
Waterbody
0 2,750 5,500 metres
Stantec
ENBRIDGE
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON
Figure No.
1
Title
Amended Study Area

Line-Item attachment 7.0

From: Melanie Book <Melanie.Book@enbridge.com>

Sent: Tuesday, August 31, 20213:33 PM

To: Valerie.Janssen@wendake.ca

Cc: Melanie Vincent; Jean-Francois Richard; Isabelle Lechasseur

Subject: Project Initiation- Bobcaygeon Community Expansion Project

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Afternoon Valerie,

Please find the project initiation letter, map, and notice of commencement for Enbridge Gas' proposed *BobcaygeonCommunity Expansion Project,* attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

We are seeking the community's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,
Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Strategiste, Engagement communautaire et autochtone, Ontario, Quebec et Maritimes

Public Affairs, Communications & Sustainability

Affaires publiques, communications et developpement durable

—

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

Safety. Integrity. Respect. Inclusion.

Stantec

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August 31, 2021

Mr. Louis Lesage, Director of the Nionwentsio Office

Huron Wendat

255 place Chef Michel Laveau
Wendake G0A 4V0

Dear Mr. Lesage,

Reference: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Study Commencement and Virtual Open House

I am writing to advise you of an upcoming gas pipeline project in the Bobcaygeon area. Enbridge Gas Inc.(Enbridge Gas) is proposing to construct the Bobcaygeon Community Expansion Project to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of upto approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.

The proposed Project is divided into two components: the Supply Lateral, and the Reinforcement, each ofwhich have two (2) routes being considered. For the Supply Lateral, both routes will start near Cowan's Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channel. An alternate route is being considered which has a minor deviation east alongTraceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon LakeRoad. For the Reinforcement, both route options require the reinforcement portion which starts near the intersection of Marina St. and Peace Road, travels east on Peace Road and south on Emily Park Road toStewarts Line where it will end. An additional reinforcement pipeline is required on Highway 35 between Bethany Hills Road and Mt Horeb Rd, with an alternate route along Mt Horeb Road and St. Marys Road, ending at Bethany Hills Road.

The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential forTemporary Working Space (TWS).

For further details, please refer to the attached map.

As part of the planning process, Enbridge Gas has retained Stantec Consulting Ltd. (Stantec) to undertakean Environmental Study for the Project. The Environmental Study will fulfill the requirements of the OntarioEnergy

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Board's (OEB) *"Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)"*.

An Environmental Report, summarizing the results of the Environmental Study, will accompany Enbridge Gas' application to the OEB as part of their Leave to Construct application. It is anticipated that the Environmental Report for the study will be completed in Winter 2021. The OEB's review and approval is required before the proposed Project can proceed. If approved, construction is currently anticipated to beginin early 2023.

Stantec is presently compiling an environmental, socio-economic, and archaeological/cultural heritage inventory of the Study Area. As an Indigenous community with a potential interest in the Study Area, we are inviting the Huron Wendat to provide comments and feedback regarding the proposed Project. Specifically, weare seeking information about areas that may be culturally significant to your community in the study areaand information about potential effects that the Project may have on asserted or established Aboriginal and treaty rights, and any measures for mitigating those adverse impacts.

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As part of the Environmental Study, Enbridge Gas is also in the process of contacting the followingagencies:

- Indigenous and Northern Affairs Canada; and
- Ontario Ministry of Indigenous Relations and Reconciliation.

As a result of the physical distancing requirements set out by the Province of Ontario due to COVID-19, aVirtual Open House will be held in place of an in-person Open House.

The Virtual Open House will be available for two weeks starting on **September 13, 2021** and finishingon **September 27, 2021,** at www.solutions.ca/BobcaygeonEA

A questionnaire will be available as part of the Virtual Open House, and you will have the ability tosubmit comments and/or questions about the proposed Project. In addition, a copy of the Virtual Open House story boards will be available on the Enbridge Gas project website at:

Enbridge Gas is committed to meaningful engagement with Indigenous communities. As such, we would beinterested in holding a conference call with the Huron Wendat to share project related information, should you wish. If you have any questions, would like to provide feedback, share knowledge, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with the Huron Wendat to ensure your interests are being considered and represented.

We kindly request that any initial input and comments regarding the Project are provided by your community by **October 12, 2021**. Please let us know if you are unable to respond by this date butareinterested in participating in the consultation process for the Project.

If you have questions or concerns regarding the Bobcaygeon Community Expansion Project, please do nothesitate to contact me directly.

Regards,

Line-item attachment 7.1

From: Lori-Jeanne Bolduc <Lori-Jeanne.Bolduc@wendake.ca>
Sent: Wednesday, September 15, 2021 3:48 PM
To: Melanie Book <Melanie.Book@enbridge.com>
Cc: Mario Gros Louis <Mario.GrosLouis@wendake.ca>
Subject: [External] TR: Tr :Project Initiation- Bobcaygeon Community Expansion Project

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender and know the content is safe.

Hi Melanie,

Thank you for your email. For any further correspondence or information about this project, you can keep myself andMario Gros-Louis as the main points of contact.

Are there any shapefiles of the route of the pipeline that you could send us?

I also believe that it would be useful for us to have a presentation of this project. Since we already have a meeting planned on September 27th for the Ajax Reinforcement Project, it would be a good opportunity to discuss briefly about this project as well. As you know, the Huron-Wendat is requesting to be involved in all the steps related to archaeology.Let me know if that works for you.

Thank you,

Lori-Jeanne

ATTENTION: Please note that Maxime Picard has a new position at the Huron-Wendat Nation Council and is no longer in charge of Ontario consultations. Any new consultation from Ontario must be sent to Mario Gros-Louis (mario.groslouis@wendake.ca) and Lori-Jeanne Bolduc (lori-jeanne.bolduc@wendake.ca).

For inquiries relating specifically to archaeology (fieldwork planning, monitoring, reports review, etc.), please contact Marie-Sophie Gendron (marie-sophie.gendron@wendake.ca), Isabelle Lechasseur (isabelle.lechasseur@wendake.ca) and Jean-François Richard (jean-francois.richard@wendake.ca).

NATION HURONNE-WENDAT
Bureau du Nionwentsïo
Lori-Jeanne Bolduc, M. ATDR
Conseillère en aménagement du territoire
255, Place Chef Michel-Laveau
Wendake (Qc) G0A 4V0
Téléphone : 418-843-3767 # 2211
Courriel : lori-jeanne.bolduc@wendake.ca

Devez-vous vraiment imprimer ce courriel?
Pensons à l'environnement
Do you really need to print this email?
Think to the environment

Line-item attachment 7.3

From: Melanie Book <Melanie.Book@enbridge.com>

Sent: Monday, September 27, 202112:10 PM

To: Lori-Jeanne Bolduc

Cc: Mario Gros Louis; Melanie Vincent; Matthew Chegahno

Subject: RE: Tr :Project Initiation- Bobcaygeon Community Expansion Project

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Please do not open any attachments from organizations or people that you are not familiar with. Also, since it is possible for viruses to SPOOF or fake the sender's address, do not open emails with attachments from people you know, or from whom you were not expecting an attachment, or if the attachment is a file type or file name that you customarily do not receive from this person.

Good afternoon Lori-Jeanne,

It was wonderful to have the opportunity to touch base today. Please see the high level shapefiles attached for the proposed *Bobcaygeon Community Expansion Project.*

For your information and as discussed:

The proposed shapefile does not indicate side of road rather the general routing that is contained within the preliminaryplan. The information contained in the shapefile should be treated as confidential and is only for the use of intended recipient and may not be used, published or redistributed without the consent of Enbridge Gas Inc. This document provides general information only and may be subject to change.

Please advise if you would like to schedule a briefing on this project, and the proposed archaeological approaches, once you have had a chance to review the shapefiles.

Kindest,

Melanie

Line-item attachment 7.4

From: Matthew Chegahno <matthew.chegahno@enbridge.com>
Sent: Friday, October 22, 2021 11:57 AM
To: Valerie.Janssen@wendake.ca; melanievincent21@yahoo.ca; Jean-Francois.Richard@wendake.ca; Isabelle.Lechasseur@wendake.ca
Cc: Melanie Book

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know thecontent is safe.

Good afternoon Valerie

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:
Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

Stage 1:

Enbridge had a Stage 1 AA completed for a portion of the proposed project in 2006 (report attached), which has been accepted into the MHSTCI's archaeological register and confirmed by Stantec with the MHSTCI that the report could be grandfathered in for Phase One of this proposed project. As always, should your community have any additional insightinto this area, we always appreciate the opportunity to proactively incorporate shared knowledge, in future reports.

An additional Stage 1 AA is being conducted for the Reinforcement section (Phase 2) of the pipeline as well as an additional buffer zone outside of the municipal right-of-way for the Supply Lateral to account for potential Temporary Working Space. Any supplementary draft Stage 1 Reports, for other phases of the proposed project, will be shared withyour community for review, once prepared.

Stage 2:

Based on the results of the 2006 Stage 1 AA desktop review, a Stage 2 AA will be required along specific areas of the preferred pipeline route. Please note that this Stage 2 AA is related specifically to Phase One of the proposed project (seemap attached), the Stage Two field work is planned for the following dates.

Proposed start date: November 16, 2021

Proposed end date: November 18, 2021

Please take time to review this information and advise if your community is interested in participating in this monitoringwork. I would also kindly ask you to indicate whether you would like to be included in-person or virtually.

If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.Thanks in

advance and have a great weekend,

Matthew

Matthew Chegahno
Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

Line-item attachment 7.13

Sent: Monday, November 22, 2021 9:53 AM
To: Marie-Sophie Gendron; Isabelle Lechasseur; Jean-Francois Richard
Cc: Melanie Book

Subject: Final Update for Bobcaygeon Phase 1 Stage 2 AA Fieldwork + Link for Picture Download

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know thecontent is safe.

Hi there Marie-Sophie,

I hope this note finds you well at the start of what will hopefully be a great week.

I wanted to provide a final update for the Bobcaygeon Phase 1 Stage 2 AA field work which was completed last week. Perthe Field Supervisor, Lucas Hillcoat, activities at the site were concluded on Wednesday, November 17 by the end of theday.

I have included a link below to a sample of photos that were taken over the duration of the two-day AA fieldwork – Pleasenote that photos 8003-8033 are from Tuesday, November 16 and photos 8054-8074 are from Wednesday, November 17.**Login Information**
Browser link: https://tmpsftp.stantec.com

FTP Client Hostname: tmpsftp.stantec.com **Port:** 22 (can be used within an FTP client to view and transfer files and folders; e.g., FileZilla)

Login name: s1206074634

Password: 4802884
Disk Quota: 5GB
Expiry Date: 12/6/2021

If you have any questions, please do not hesitate to respond back to me and I will work to make sure you get the appropriate answer(s).

Chi-miigwetch,

Matthew

Matthew Chegahno
Advisor, Community & Indigenous Engagement

Line-item attachment 7.17

From: Matthew Chegahno <matthew.chegahno@enbridge.com>

Sent: Friday, December 3, 2021 4:30 PM

To: Marie-Sophie Gendron; Isabelle Lechasseur; Jean-Francois Richard

Cc: Melanie Book

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good evening Marie-Sophie,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite the Huron Wendat Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

**Please note that I understand the Huron Wendat Nation's interests on projects often only extend to archaeological work. In this particular case, the draft ER contains within it each of the Draft Stage 1 AA Reports for each of the four phases of this proposed project. I wanted to ensure that the Nation had a fair opportunity to review those Stage 1 AA Reports as well.*

In the link below please find a copy of the draft ER for the Project.www.enbridgegas.com/bobcaygeonproject

I would kindly ask that the community returns to me any comments or feedback on the draft ER for the Project ***no later than January 17, 2022.***

Please be reminded that your community's review and comments are valued and will be used to help shape the approachfor this project. If you have any issues with the link or questions about the report, please do not hesitate to contact me and I will work to have your inquiry resolved.

Chi-miigwetch in advance for your time and attention on this matter.Matt

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Line-item attachment 7.31

From:	Melanie Green
To:	Dominic Ste-Marie; Lori-Jeanne Bolduc; Marie-Sophie Gendron; Mario Gros Louis; Thiefanie Terrier (Thiefaine.Terrier@wendake.ca)
Cc:	Lauryn Graham
Subject:	Stage 2 AA - Bobcaygeon Community Expansion Project (Memo)bob
Date:	Thursday, February 16, 2023 2:21:46 PM
Attachments:	160951282_2022_arch_field_memo_rev.pdf

Good afternoon,

We just received an archaeological field memo detailing high level results/pictures from the Stage 2 AA field work for Phases 1-2 and photo documentation for Phase 3, related to the Bobcaygeon Community Expansion Project. A detailed report is forthcoming and as soon as it is received, I will send it off for review and comment.

Should you have any questions, please reach out.

Thank you in advance,

Mel

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

ENBRIDGE INC.
TEL: 613.747.4039 | Cell: 613.297.4365
400 Coventry Rd, Ottawa, ON K1K2C7

www.enbridge.com

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Sécurité. Intégrité. Respect. Inclusion.

Line-item attachment 7.33

Stantec Consulting Ltd.
100-300 Hagey Boulevard, Waterloo ON N2L 0A4

May 2, 2023

Huron Wendat Nation

SENT VIA EMAIL

Reference: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Project Amendment

On September 1, 2021, Enbridge Gas Inc. ("Enbridge Gas" or the "Company") circulated a Notice of Study Commencement and Virtual Open House for the proposed Bobcaygeon Community Expansion Project, which would supply the community with affordable natural gas (the "Project"). The Project will be located in the City of Kawartha Lakes and Township of Cavan-Monaghan. As part of the planning process, Enbridge Gas retained Stantec Consulting Ltd. ("Stantec") to undertake an Environmental Study for the Project. The Environmental Study fulfilled the requirements of the Ontario Energy Board's ("OEB") "*Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)*"[1].

On June 9, 2021, the proposed Bobcaygeon Community Expansion Project ("Project") was approved to receive funding assistance as part of Phase 2 of the Government of Ontario's Natural Gas Expansion Program, which provides financial support to help utilities expand natural gas distribution in communities that are not currently connected to the natural gas system.

On May 2, 2022, Enbridge Gas applied to the OEB pursuant to section 90(1) of the Ontario Energy Board Act, S.O. 1998, c. 15, Schedule B, for an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities for which the Company sought OEB approval consisted of:

(i) A Supply Lateral:
- Approximately 25 km of Nominal Pipe Size ("NPS") 6-inch extra high pressure ("XHP") steel ("ST") natural gas distribution pipeline.
- Approximately 2 km of NPS 6-inch high pressure polyethylene ("HPPE") natural gas distribution pipeline.
- Approximately 1 km of NPS 6-inch high pressure ("HP") ST natural gas distribution pipeline.

(ii) Eastern Reinforcement
- Approximately 13 km of NPS 6-inch XHP ST natural gas pipeline.

Enbridge Gas subsequently filed three requests for abeyance of the aforementioned application on July 5, 2022, October 31, 2022, and February 28, 2023, in order to update and interpret the results of the market analysis and surveys for the Project to provide an appropriate basis for the customer attachment forecasts filed in support of the application. The OEB confirmed on March 3, 2023, that they will continue to hold the application in abeyance until June 30, 2023.

The purpose of this letter is to inform you that Enbridge Gas is proposing to file an updated application with the OEB no later than June 30, 2023, seeking an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities for which the Company is seeking OEB approval consists of the aforementioned Supply Lateral and Eastern Reinforcement; however, the Eastern Reinforcement has since been reduced

[1]The OEB Released the 8th Edition of the Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario in March 2023, after the initiation, consultation and finalization of the Bobcaygeon Community Expansion Project and associated Environmental Report.

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Stantec Consulting Ltd.
100-300 Hagey Boulevard, Waterloo ON N2L 0A4

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to approximately 8 km of NPS 6-inch XHP ST natural gas pipeline. There is no change to the proposed Supply Lateral. Please see the attachment (Figure 1) for the updated map of the Project.

Stantec has reviewed the updated Project scope, as outlined above, in comparison to the information presented in the 2021 Environment Report and have determined that the updated Project scope is sufficiently covered in the Environmental Report, and that no adjustments or revisions to the Environmental Report are necessary.

If you have questions or comments regarding the Bobcaygeon Community Expansion Project, please do not hesitate to contact the undersigned.

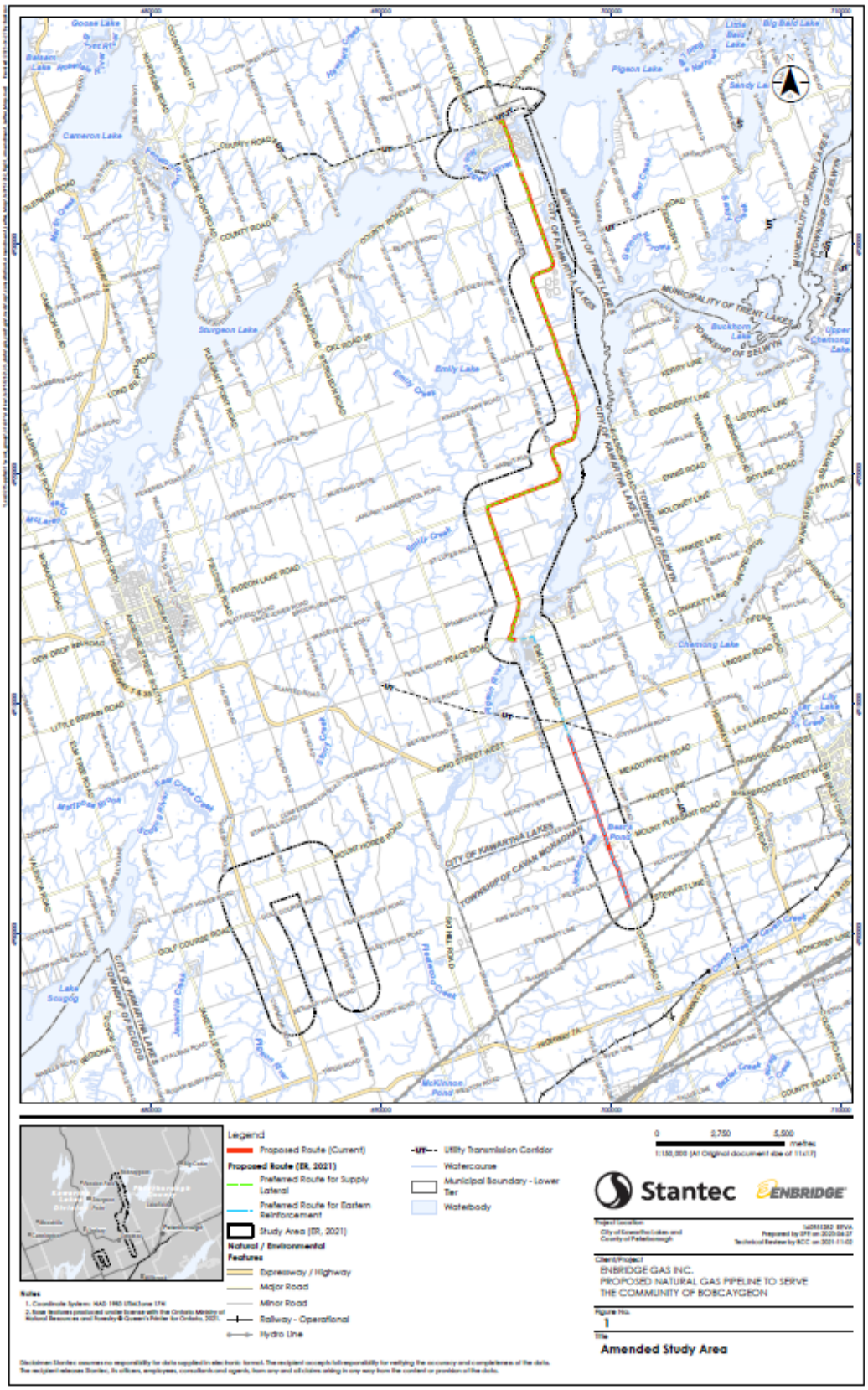
Yours truly,

Emily Hartwig
Stantec Consulting Ltd.
Environmental Consultant
Phone: 519 585 3849
BobcaygeonEA@stantec.com

Attachment: Figure 1 – Amended Study Area

c. Sarah Kingdon-Benson, Senior Advisor, Environment, Enbridge Gas Inc.

[1]The OEB Released the 8th Edition of the Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario in March 2023, after the initiation, consultation and finalization of the Bobcaygeon Community Expansion Project and associated Environmental Report.


Legend
Proposed Route (Current)
Proposed Route (ER, 2021)
Preferred Route for Supply Lateral
Preferred Route for Eastern Reinforcement
Study Area (ER, 2021)
Natural / Environmental Features
Expressway / Highway
Major Road
Minor Road
Railway - Operational
Hydro Line
Utility Transmission Corridor
Watercourse
Municipal Boundary - Lower Tier
Waterbody
0 2,750 5,500 metres
Stantec
ENBRIDGE
Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON
Figure No.
1
Title
Amended Study Area

Line-item attachment 8.0

From: Matthew Chegahno <matthew.chegahno@enbridge.com>

Sent: Thursday, October 21, 20211:19 PM **To:**
kawa rthanishnawbecouncil@outlook.com**Cc:**
Melanie Book

Subject: Project Initiation - Bobcaygeon Community Expansion Project

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning Chief Nahrhang,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon CommunityExpansion Project,* attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

We are seeking Kawartha Nishnawbe's initial feedback or shared knowledge by **Friday, November 5, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Thanks in advance and look forward to hearing from you,Matthew (On

behalf of Melanie Book)

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

August 30, 2021

Chief Kris Nahrgang, Chief

Kawartha Nishnawbe

257 Big Cedar Lake RoadBig
Cedar K0L 2H0

Dear Chief Nahrgang,

Reference: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Study Commencement and Virtual Open House

I am writing to advise you of an upcoming gas pipeline project in the Bobcaygeon area, in the Williams Treaties Traditional Territory. Enbridge Gas Inc. (Enbridge Gas) is proposing to construct *the Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of upto approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.

The proposed Project is divided into two components: the Supply Lateral, and the Reinforcement, each ofwhich have two (2) routes being considered. For the Supply Lateral, both routes will start near Cowan's Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channel. An alternate route is being considered which has a minor deviation east alongTraceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon LakeRoad. For the Reinforcement, both route options require the reinforcement portion which starts near the intersection of Marina St. and Peace Road, travels east on Peace Road and south on Emily Park Road toStewarts Line where it will end. An additional reinforcement pipeline is required on Highway 35 between Bethany Hills Road and Mt Horeb Rd, with an alternate route along Mt Horeb Road and St. Marys Road, ending at Bethany Hills Road.

The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential forTemporary Working Space (TWS).

For further details, please refer to the attached map.

As part of the planning process, Enbridge Gas has retained Stantec Consulting Ltd. (Stantec) to undertakean Environmental Study for the Project. The Environmental Study will fulfill the requirements of the OntarioEnergy Board's (OEB) *"Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)"*.

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An Environmental Report, summarizing the results of the Environmental Study, will accompany Enbridge Gas' application to the OEB as part of their Leave to Construct application. It is anticipated that the Environmental Report for the study will be completed in Winter 2021. The OEB's review and approval is required before the proposed Project can proceed. If approved, construction is currently anticipated to beginin early 2023.

Stantec is presently compiling an environmental, socio-economic, and archaeological/cultural heritage inventory of the Study Area. As an Indigenous community with a potential interest in the Study Area, we areinviting Kawartha Nishnawbe to provide comments and feedback regarding the proposed Project.

Specifically, we are seeking information about areas that may be culturally significant to your community inthe study area and information about potential effects that the Project may have on asserted or establishedAboriginal and treaty rights, and any measures for mitigating those adverse impacts.

Stantec

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As part of the Environmental Study, Enbridge Gas is also in the process of contacting the followingagencies:

- Indigenous and Northern Affairs Canada; and
- Ontario Ministry of Indigenous Relations and Reconciliation.

As a result of the physical distancing requirements set out by the Province of Ontario due to COVID-19, aVirtual Open House will be held in place of an in-person Open House.

The Virtual Open House will be available for two weeks starting on **September 13, 2021** and finishingon **September 27, 2021,** at www.solutions.ca/BobcaygeonEA

A questionnaire will be available as part of the Virtual Open House, and you will have the ability tosubmit comments and/or questions about the proposed Project. In addition, a copy of the Virtual Open House story boards will be available on the Enbridge Gas project website at:

Enbridge Gas is committed to meaningful engagement with Indigenous communities. As such, we would beinterested in holding a conference call with the Kawartha Nishnawbe to share project related information, should you wish. If you have any questions, would like to provide feedback, share knowledge, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with the Kawartha Nishnawbe to ensure your interests are being considered and represented.

We kindly request that any initial input and comments regarding the Project are provided by your community by **October 12, 2021**. Please let us know if you are unable to respond by this date but areinterested in participating in the consultation process for the Project.

If you have questions or concerns regarding the Bobcaygeon Community Expansion Project, please do nothesitate to contact me directly.

Regards,

Stantec

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes

PH: 613-784-6814

Melanie.book@enbridge.com

Attachment: Figure 1 – Study Area Map

c. Sarah Kingdon-Benson, Enbridge Gas Inc.
Rooly Georgopoulos, Stantec Consulting Ltd.

Line-item attachment 8.1

From: Matthew Chegahno <matthew.chegahno@enbridge.com>
Sent: Friday, October 22, 2021 11:56 AM
To: kawarthanishnawbecouncil@outlook.com
Cc: Melanie Book

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know thecontent is safe.

Good afternoon Chief Nahrhang,

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:
Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline**. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

Stage 1:

Enbridge had a Stage 1 AA completed for a portion of the proposed project in 2006 (report attached), which has been accepted into the MHSTCI's archaeological register and confirmed by Stantec with the MHSTCI that the report could be grandfathered in for Phase One of this proposed project. As always, should your community have any additional insightinto this area, we always appreciate the opportunity to proactively incorporate shared knowledge, in future reports.

An additional Stage 1 AA is being conducted for the Reinforcement section (Phase 2) of the pipeline as well as an additional buffer zone outside of the municipal right-of-way for the Supply Lateral to account for potential Temporary Working Space. Any supplementary draft Stage 1 Reports, for other phases of the proposed project, will be shared withyour community for review, once prepared.

Stage 2:

Based on the results of the 2006 Stage 1 AA desktop review, a Stage 2 AA will be required along specific areas of the preferred pipeline route. Please note that this Stage 2 AA is related specifically to Phase One of the proposed project (seemap attached), the Stage Two field work is planned for the following dates.

Proposed start date: November 16, 2021

Proposed end date: November 18, 2021

Please take time to review this information and advise if your community is interested in participating in this monitoringwork. I would also kindly ask you to indicate whether you would like to be included in-person or virtually.

If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.Thanks in

advance and have a great weekend,

Matthew

Matthew Chegahno
Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

Line-item attachment 8.3

From: Matthew Chegahno <matthew.chegahno@enbridge.com>

Sent: Friday, December 3, 2021 4:26 PM

To: kawa rthanishnawbecouncil@outlook.com

Cc: Melanie Book

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good evening Chief Nahrhang,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite the Kawartha Nishnawbe to provide their thoughtful review, comments, and shared knowledge on the draft ER.

In the link below please find a copy of the draft ER for the Project.www.enbridgegas.com/bobcaygeonproject

I would kindly ask that the community returns to me any comments or feedback on the draft ER for the Project ***no later than January 17, 2022.***

Please be reminded that your community's review and comments are valued and will be used to help shape the approachfor this project. If you have any issues with the link or questions about the report, please do not hesitate to contact me and I will work to have your inquiry resolved.

Chi-miigwetch in advance for your time and attention on this matter.Matt

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 I matthew.chegahno@enbridge.com603 Kumpf Drive, Waterloo ON, N2J 4A4

Line-item attachment 8.5

From: Melanie Green
To: Dominic Ste-Marie; Lori-Jeanne Bolduc; Marie-Sophie Gendron; Mario Gros Louis; Thiefanie Terrier (Thiefaine.Terrier@wendake.ca)
Cc: Lauryn Graham
Subject: Stage 2 AA - Bobcaygeon Community Expansion Project (Memo)bob
Date: Thursday, February 16, 2023 2:21:46 PM
Attachments: 160951282_2022_arch_field_memo_rev.pdf

Good afternoon,

We just received an archaeological field memo detailing high level results/pictures from the Stage 2 AA field work for Phases 1-2 and photo documentation for Phase 3, related to the Bobcaygeon Community Expansion Project. A detailed report is forthcoming and as soon as it is received, I will send it off for review and comment.

Should you have any questions, please reach out.

Thank you in advance,

Mel

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

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Sécurité. Intégrité. Respect. Inclusion.

Line-item attachment 8.32

Stantec

Stantec Consulting Ltd.
100-300 Hagey Boulevard, Waterloo ON N2L 0A4

ENBRIDGE
Life Takes Energy™

May 2, 2023

Kawartha Nishnawbe

SENT VIA EMAIL

Reference: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Project Amendment

On September 1, 2021, Enbridge Gas Inc. ("Enbridge Gas" or the "Company") circulated a Notice of Study Commencement and Virtual Open House for the proposed Bobcaygeon Community Expansion Project, which would supply the community with affordable natural gas (the "Project"). The Project will be located in the City of Kawartha Lakes and Township of Cavan-Monaghan. As part of the planning process, Enbridge Gas retained Stantec Consulting Ltd. ("Stantec") to undertake an Environmental Study for the Project. The Environmental Study fulfilled the requirements of the Ontario Energy Board's ("OEB") "*Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)*"[1].

On June 9, 2021, the proposed Bobcaygeon Community Expansion Project ("Project") was approved to receive funding assistance as part of Phase 2 of the Government of Ontario's Natural Gas Expansion Program, which provides financial support to help utilities expand natural gas distribution in communities that are not currently connected to the natural gas system.

On May 2, 2022, Enbridge Gas applied to the OEB pursuant to section 90(1) of the Ontario Energy Board Act, S.O. 1998, c. 15, Schedule B, for an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities for which the Company sought OEB approval consisted of:

(i) A Supply Lateral:
- Approximately 25 km of Nominal Pipe Size ("NPS") 6-inch extra high pressure ("XHP") steel ("ST") natural gas distribution pipeline.
- Approximately 2 km of NPS 6-inch high pressure polyethylene ("HPPE") natural gas distribution pipeline.
- Approximately 1 km of NPS 6-inch high pressure ("HP") ST natural gas distribution pipeline.

(ii) Eastern Reinforcement
- Approximately 13 km of NPS 6-inch XHP ST natural gas pipeline.

Enbridge Gas subsequently filed three requests for abeyance of the aforementioned application on July 5, 2022, October 31, 2022, and February 28, 2023, in order to update and interpret the results of the market analysis and surveys for the Project to provide an appropriate basis for the customer attachment forecasts filed in support of the application. The OEB confirmed on March 3, 2023, that they will continue to hold the application in abeyance until June 30, 2023.

The purpose of this letter is to inform you that Enbridge Gas is proposing to file an updated application with the OEB no later than June 30, 2023, seeking an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities for which the Company is seeking OEB approval consists of the aforementioned Supply Lateral and Eastern Reinforcement; however, the Eastern Reinforcement has since been reduced

[1]The OEB Released the 8th Edition of the Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario in March 2023, after the initiation, consultation and finalization of the Bobcaygeon Community Expansion Project and associated Environmental Report.

Stantec Consulting Ltd.
100-300 Hagey Boulevard, Waterloo ON N2L 0A4

to approximately 8 km of NPS 6-inch XHP ST natural gas pipeline. There is no change to the proposed Supply Lateral. Please see the attachment (Figure 1) for the updated map of the Project.

Stantec has reviewed the updated Project scope, as outlined above, in comparison to the information presented in the 2021 Environment Report and have determined that the updated Project scope is sufficiently covered in the Environmental Report, and that no adjustments or revisions to the Environmental Report are necessary.

If you have questions or comments regarding the Bobcaygeon Community Expansion Project, please do not hesitate to contact the undersigned.

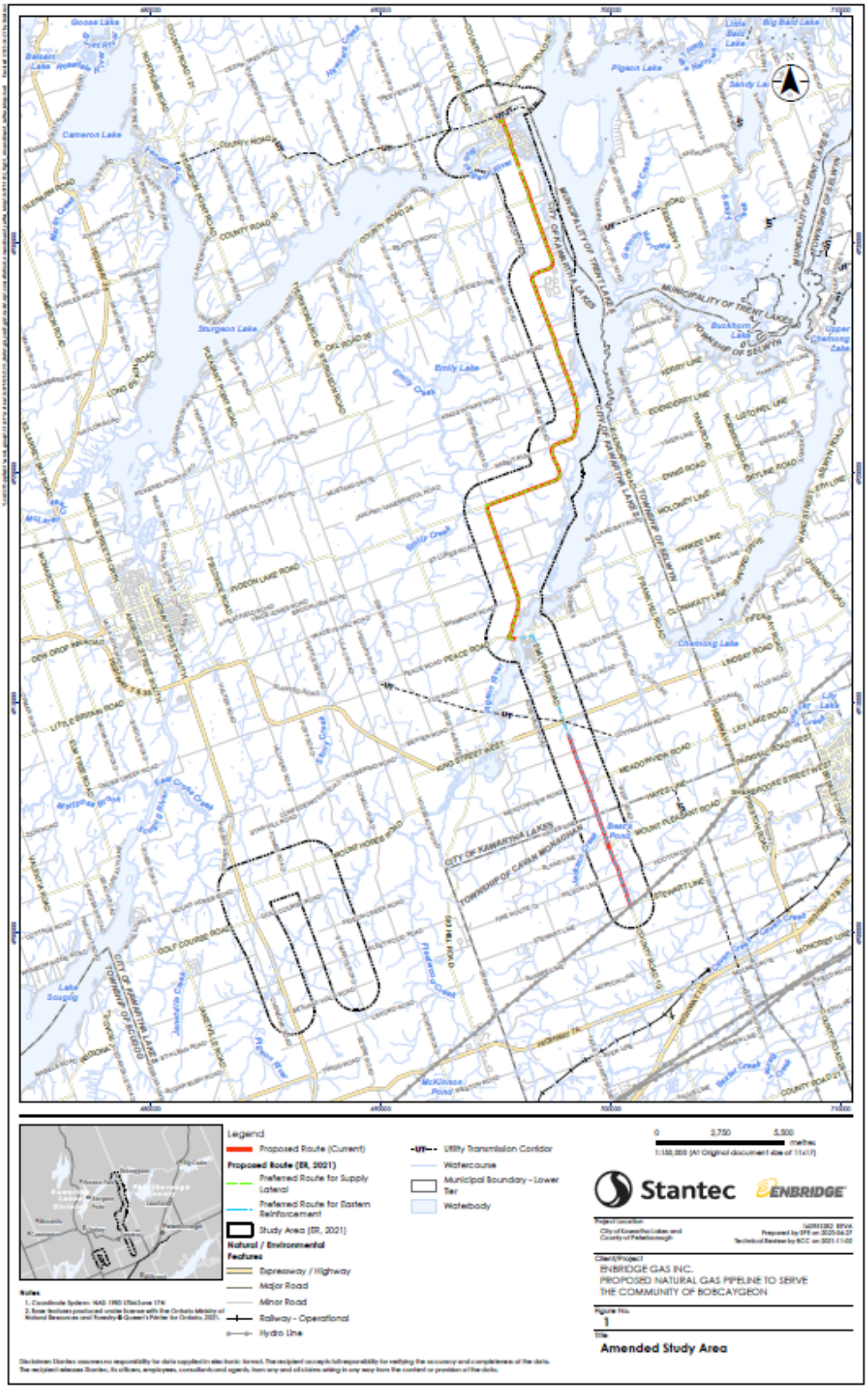
Yours truly,

Emily Hartwig
Stantec Consulting Ltd.
Environmental Consultant
Phone: 519 585 3849
BobcaygeonEA@stantec.com

Attachment: Figure 1 – Amended Study Area

c. Sarah Kingdon-Benson, Senior Advisor, Environment, Enbridge Gas Inc.

[1]The OEB Released the 8th Edition of the Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario in March 2023, after the initiation, consultation and finalization of the Bobcaygeon Community Expansion Project and associated Environmental Report.


Legend
Proposed Route (Current)
Proposed Route (ER, 2021)
Preferred Route for Supply Lateral
Preferred Route for Eastern Reinforcement
Study Area (ER, 2021)
Natural / Environmental Features
Expressway / Highway
Major Road
Minor Road
Railway - Operational
Hydro Line
Utility Transmission Corridor
Watercourse
Municipal Boundary - Lower Tier
Waterbody
Stantec
ENBRIDGE
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON
Amended Study Area

Line-item attachment 9.0

From: Melanie Book <Melanie.Book@enbridge.com>

Sent: Tuesday, August 31, 2021 3:29 PMTo:
ckennedy@scugogfirstnation.com **Cc:**
kbent@scugogfirstnation.com

Subject: Project Initiation- Bobcaygeon Community Expansion Project

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Afternoon Colleen,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon CommunityExpansion Project,* attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* **to supply the** community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of **Cavan-Monaghan and would consist of up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking the community's initial feedback or shared knowledge by Tuesday, October 12, 2021.

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,
Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Strategiste,
Engagement communautaire et autochtone, Ontario, Quebec et Maritimes

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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com400
Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

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Stantec

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August 31, 2021

Chief Kelly LaRocca

Mississaugas of Scugog Island First Nation
22521 Island Road, RR#5

Port Perry L9L 1B6

Dear Chief LaRocca,

Reference: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Study Commencement and Virtual Open House

I am writing to advise you of an upcoming gas pipeline project in the Bobcaygeon area, in the Williams Treaties Traditional Territory. Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of upto approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.

The proposed Project is divided into two components: the Supply Lateral, and the Reinforcement, each ofwhich have two (2) routes being considered. For the Supply Lateral, both routes will start near Cowan's Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channel. An alternate route is being considered which has a minor deviation east alongTraceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon LakeRoad. For the Reinforcement, both route options require the reinforcement portion which starts near the intersection of Marina St. and Peace Road, travels east on Peace Road and south on Emily Park Road toStewarts Line where it will end. An additional reinforcement pipeline is required on Highway 35 between Bethany Hills Road and Mt Horeb Rd, with an alternate route along Mt Horeb Road and St. Marys Road, ending at Bethany Hills Road.

The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential forTemporary Working Space (TWS).

For further details, please refer to the attached map.

As part of the planning process, Enbridge Gas has retained Stantec Consulting Ltd. (Stantec) to undertakean Environmental Study for the Project. The Environmental Study will fulfill the requirements of the OntarioEnergy Board's (OEB) *"Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)".*

Stantec

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An Environmental Report, summarizing the results of the Environmental Study, will accompany Enbridge Gas' application to the OEB as part of their Leave to Construct application. It is anticipated that the Environmental Report for the study will be completed in Winter 2021. The OEB's review and approval is required before the proposed Project can proceed. If approved, construction is currently anticipated to beginin early 2023.

Stantec is presently compiling an environmental, socio-economic, and archaeological/cultural heritage inventory of the Study Area. As an Indigenous community with a potential interest in the Study Area, we areinviting the Mississaugas of Scugog Island First Nation to provide comments and feedback regarding the proposed Project. Specifically, we are seeking information about areas that may be culturally significant to your community in the study area and information about potential effects that the Project may have on asserted or established Aboriginal and treaty rights, and any measures for mitigating those adverse impacts.

As part of the Environmental Study, Enbridge Gas is also in the process of contacting the followingagencies:

- Indigenous and Northern Affairs Canada; and
- Ontario Ministry of Indigenous Relations and Reconciliation.

As a result of the physical distancing requirements set out by the Province of Ontario due to COVID-19, aVirtual Open House will be held in place of an in-person Open House.

The Virtual Open House will be available for two weeks starting on **September 13, 2021** and finishingon **September 27, 2021,** at www.solutions.ca/BobcaygeonEA

A questionnaire will be available as part of the Virtual Open House, and you will have the ability tosubmit comments and/or questions about the proposed Project. In addition, a copy of the Virtual Open House story boards will be available on the Enbridge Gas project website at:

Enbridge Gas is committed to meaningful engagement with Indigenous communities. As such, we would beinterested in holding a conference call with the Mississaugas of Scugog Island First Nation to share projectrelated information, should you wish. If you have any questions, would like to provide feedback, share knowledge, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with the Mississaugas of Scugog Island First Nation to ensure your interests are being considered and represented.

We kindly request that any initial input and comments regarding the Project are provided by your community by **October 12, 2021**. Please let us know if you are unable to respond by this date butareinterested in participating in the consultation process for the Project.

If you have questions or concerns regarding the Bobcaygeon Community Expansion Project, please do nothesitate to contact me directly.

Regards,

Melanie Book

Line-item attachment 9.1

Sent: Thursday, September 16, 2021 2:21PM

To: ckennedy@scugogfirstnation.com

Cc: kbent@scugogfirstnation.com; Matthew Chegahno

Subject: Virtual Open House- Bobcaygeon Community Expansion Project

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Afternoon Colleen,

I hope this email finds you well as we all start returning from summer vacations and gear up for a busy Fall.

I'm writing to you today to notify you that the Virtual Open House (VOH) for Enbridge Gas' Bobcaygeon Community Expansion Project is now live and underway. Please feel free to click here to access the VOH - I think you'll find that it has lots of rich information, including a project map, project overview, the process behind the environmental study, as well as a section on next steps. I'd like to kindly invite you, and anyone else in your community that may be interested, to have a look around the website to learn more about the Project.

If you have any questions or feedback on the project, or just want to speak with me directly about it, please do not hesitate to contact me and I will be sure to schedule some time for us.

Thanks in advance,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Strategiste, Engagement communautaire et autochtone, Ontario, Quebec et Maritimes

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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

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Line-item attachment 9.3

From: Consultation <consultation@scugogfirstnation.com>

Sent: Friday, October 8, 20211:15:38 PM

To: Melanie Book <Melanie.Book@enbridge.com>

Cc: Monica Sanford <msanford@scugogfirstnation.com>; Don@ibabraiding.com <Don@ibabraiding.com>

Subject: [External] Enbridge Bobcaygeon comments

CAUTION: EXTERNAL EMAIL

This email originated from outside Enbridge and could be a phish. Criminals can pretend to beanyone. Do not interact with the email unless you are 100% certain it is legitimate. Report any suspicious emails.

Hi Melanie,

We have reviewed the open house information you sent regarding the Enbridge Bobcaygeon project, whichMSIFN is interested in staying informed of.

We would also like to inquire about the possibility of a modest budget to facilitate our review of the project's impacts, primarily on watercourses, waterbodies, and wetlands. Please let us know if this is possible.

Kindly,
Waverley

Waverley Birch (she/her)

MES, RPP, MCIP

Regulatory Consultant

705-500-0926

Line-item attachment 9.4

From: Matthew Chegahno <matthew.chegahno@enbridge.com>
Sent: Friday, October 22, 2021 11:56 AM
To: ckennedy@scugogfirstnation.com; kbent@scugogfirstnation.com
Cc: Melanie Book

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know thecontent is safe.

Good afternoon Colleen,

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

Stage 1:

Enbridge had a Stage 1 AA completed for a portion of the proposed project in 2006 (report attached), which has been accepted into the MHSTCI's archaeological register and confirmed by Stantec with the MHSTCI that the report could be grandfathered in for Phase One of this proposed project. As always, should your community have any additional insightinto this area, we always appreciate the opportunity to proactively incorporate shared knowledge, in future reports.

An additional Stage 1 AA is being conducted for the Reinforcement section (Phase 2) of the pipeline as well as an additional buffer zone outside of the municipal right-of-way for the Supply Lateral to account for potential Temporary Working Space. Any supplementary draft Stage 1 Reports, for other phases of the proposed project, will be shared withyour community for review, once prepared.

Stage 2:

Based on the results of the 2006 Stage 1 AA desktop review, a Stage 2 AA will be required along specific areas of the preferred pipeline route. Please note that this Stage 2 AA is related specifically to Phase One of the proposed project (seemap attached), the Stage Two field work is planned for the following dates.

Proposed start date: November 16, 2021

Proposed end date: November 18, 2021

Please take time to review this information and advise if your community is interested in participating in this monitoringwork. I would also kindly ask you to indicate whether you would like to be included in-person or virtually.

If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.Thanks in

advance and have a great weekend,

Matthew

Matthew Chegahno
Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

Line-item attachment 9.14

From: Matthew Chegahno <matthew.chegahno@enbridge.com>
Sent: Monday, November 22, 2021 9:53 AM
To: Consultation

Cc: Melanie Book

Subject: Final Update for Bobcaygeon Phase 1 Stage 2 AA Fieldwork + Link for Picture Download

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know thecontent is safe.

Hi there Waverly,

I hope this note finds you well at the start of what will hopefully be a great week.

I wanted to provide a final update for the Bobcaygeon Phase 1 Stage 2 AA field work which was completed last week. Perthe Field Supervisor, Lucas Hillcoat, activities at the site were concluded on Wednesday, November 17 by the end of theday.

I have included a link below to a sample of photos that were taken over the duration of the two-day AA fieldwork – Pleasenote that photos 8003-8033 are from Tuesday, November 16 and photos 8054-8074 are from Wednesday, November 17.**Login Information**
Browser link: https://tmpsftp.stantec.com

FTP Client Hostname: tmpsftp.stantec.com **Port:** 22 (can be used within an FTP client to view and transfer files and folders; e.g., FileZilla)

Login name: s1206074634

Password: 4802884
Disk Quota: 5GB
Expiry Date: 12/6/2021

If you have any questions, please do not hesitate to respond back to me and I will work to make sure you getthe appropriate answer(s).
Chi-miigwetch,

Matthew

Matthew Chegahno
Advisor, Community & Indigenous Engagement

Line-item attachment 9.18

From: Matthew Chegahno <matthew.chegahno@enbridge.com>

Sent: Friday, December 3, 2021 4:24 PM

To: Colleen Kennedy; Monica Sanford; kbent@scugogfirstnation.com; Consultation

Cc: Melanie Book

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

CAUTION: This email was sent outside of your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good evening Colleen,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite the Mississaugas of Scugog Island First Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

In the link below please find a copy of the draft ER for the Project.

www.enbridgegas.com/bobcaygeonproject

I would kindly ask that the community returns to me any comments or feedback on the draft ER for the Project *by no later than January 17, 2022*.

Please be reminded that your community's review and comments are valued and will be used to help shape the approachfor this project. If you have any issues with the link or questions about the report, please do not hesitate to contact me and I will work to have your inquiry resolved.

Chi-miigwetch in advance for your time and attention on this matter.Matt

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com
603 Kumpf Drive, Waterloo ON, N2J 4A4

Line-item attachment 9.20

From: Waverley Birch <wbirch@ibabraiding.com>

Sent: Wednesday, January 19, 2022 12:12 PM

To: Matthew Chegahno <matthew.chegahno@enbridge.com>

Cc: Don Richardson <don@ibabraiding.com>; Samantha Shrubsole <sam@ibabraiding.com>; Monica Sanford <msanford@scugogfirstnation.com>; Colleen Kennedy

<ckennedy@scugogfirstnation.com>

Subject: [External] Comments: Bobcaygeon ER

CAUTION: EXTERNAL EMAIL

This email originated from outside Enbridge and could be a phish. Criminals can pretend to be anyone. Do not interact with the email unless you are 100% certain it is legitimate. Report any suspicious emails.

Hi Matthew,

Please see the attached comment set that we have prepared regarding the Bobcaygeon expansion ER. Thank you for accommodating our schedule.
Kindly,

Waverley

--

Waverley Birch (she/her)MES,
RPP, MCIP

Regulatory SpecialistIBA
Braiding Ltd.

Cell: 705-500-0926

http://secure-web.cisco.com/1Pe591FU88m6TlxF_lxAKcBpYzY2qzklIH1oXy83kVUh_5L6tHHO965EDklOip6iGvLiOlK4RB0lbXpM4Bq0WNhRYXNvGHXk2U5rt95c7oaKD0XoqOFekz6ULW4EnWsqaWV9qdA1TKawXkavSfvfCQP7_WHeCR1rUN4tZMvSGY9CackW6uK_h5EBrNwkur1US9bl9NA5w399rBCbUDVde34vOUFDuY2CA2vTCE4RMJM5hAGqbwZoOwkzTn4mc8CRfi4AmhC0OanA

_tJdprc790Vx9XGnkzoK6Bujb-DFIXhs_If2uCwKQSQk2vlA/http%3A%2F%2Fwww.ibabraiding.com

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MEMORANDUM

January 18, 2022

Matthew Chegahno
Advisor, Community & Indigenous Engagement
Enbridge Inc.

Enbridge Bobcaygeon Project Team,

IBA Braiding Ltd. is pleased to provide this memorandum on behalf of the Mississaugas of Scugog Island First Nation (MSIFN). We have reviewed the draft Environmental Report (ER) for the Bobcaygeon Community Expansion Project, and our comments are contained below (Table 1).

Table 1. Comments on the Bobcaygeon Community Expansion Project Draft ER (Stantec, 2021).

Reference	Text from ER	Comment
Section 1.1	*50 kilometers (km) of a combination of 6-inch and 8-inch steel and plastic natural gas pipeline.*	There is an opportunity to design this pipeline such that it can transport alternative fuels like hydrogen and/or blends of hydrogen and natural gas in the near-term, rather than needing to retrofit the line to make this feasible. Given the profoundly serious impacts of climate change on all aspects of the environment, this is a consideration that should be outlined in the present report. Enbridge should comment on measures that will be taken to ensure pipeline integrity during alternative fuel transport and blending.

Table 1.1 - Summary of Potential Environmental Permit and Approval Requirements	*Following determination of final crossing method a fish habitat impact screening (self-assessment) may be needed to determine if DFO review/authorization will be required.*	Per the June 21st (2019) updates to the Fisheries Act, the "Self-Assessment" process is no longer in place. Does this statement refer to a review of the "Measures to Protect Fish and Fish Habitat"? It should be outlined how each of these measures will be met. Since there is no standard and code of practice for pipeline water crossings, DFO review should be requested if each of the above measures cannot be met.
Table 1.1 - Summary of Potential Environmental Permit and Approval Requirements	*The proposed method for pipeline water crossings (i.e. horizontal directional drilling) will likely not require authorization provided measures to avoid causing a HADD of fish habitat are followed during construction. These measures include completing the work during the appropriate timing window (Ministry of Northern Development, Mines, Natural Resources and Forestry [MNDMNRF] formerly the Ministry of Natural Resources and Forestry [MNRF] designated construction windows note that Inwater work is permitted from July 1 to March 14 for warm water crossings and from July 1 to September 15 for cold water crossings), installation of appropriate sediment and erosion control measures (i.e., silt fencing around disturbed areas and development of a contingency plan). If these measures are followed, a project of this nature is typically considered to be low risk to fish and fish habitat and can proceed without DFO review.*	Horizontal directional drilling (HDD) presents a risk of drilling fluid release into waterways, wetlands, and waterbodies. To follow the above noted DFO Measures to Protect Fish and Fish Habitat, more detailed mitigation planning is needed. Given the sensitivity of aquatic features in the Bobcaygeon area and the importance of these features to First Nations, this is of particular interest. More detailed mitigation should outline the specific timing of HDD in relation to fish life cycle events, following both DFO guidance and Indigenous knowledge from Williams Treaty First Nations (WTFNs). Further comments on HDD occur below, largely pertaining to Table 5.1
Table 1.1	*Environment and Climate Change Canada does not require a permit to be issued for vegetation clearing, however, precautions need to be taken so that no breeding birds or their nests are harmed or destroyed during the bird nesting season as a result of construction of the Project.*	Vegetation clearing timing should also take into account the potential impacts on Species at Risk bats. Clearing should occur outside of bat roosting windows, and maternity roost (snag) surveys should be completed to ensure that bat habitat is adequately accounted for.

Section 3.2.3	*The Trent assessment report indicates that high groundwater vulnerability is primarily mapped within the northern portion of the proposed pipeline, from Bobcaygeon to about Lakeview Estates. Medium to high groundwater vulnerability is mapped moving southward toward Highway 7. The southern extent of the proposed pipeline ranges from high to low vulnerability.* *Of the shallow wells with static water level records, the average water level of the shallow overburden and bedrock wells was 2.4 m and 2.3 m BGS, respectively (MECP 2018).*	The entire length of the pipeline is medium-to-high groundwater vulnerability. The MECP Water Well Records show that the average depth of the shallow wells within 500m of the pipeline are only 2.4 m below ground surface. This is concerning given the plans to drill and potentially blast to create trenches for the pipeline. More detailed mitigation measures for the protection of groundwater should be outlined in the report.
Section 3.2.5	*A mosaic of soil types are present within the Study Area, but the predominant types are Cramahe gravel (a calcareous gravel) and Otonabee loam (calcareous loam and sandy loam till). The region is rolling to steep and hilly, in some places, and the drainage capabilities are good to excessive.*	The study area is predominantly gravel soil which has a high permeability, furthering concerns about the safety of groundwater in the area. As per the above comment, the report should outline how Enbridge plans to ensure the safety of local groundwater.
Section 3.3.1.2	*The MNDMNRF's digital mapping (LIO 2017, 2021) indicates that there are seven subwatersheds within the Study Area, including the Bobcaygeon River, the Pigeon River, Pigeon Lake, Emily Creek (which flows to Sturgeon Lake), Chemong Lake, Jackson Creek (which flows to the Otonabee River) and East Cross Creek (which flows to the Scugog River).* *Site investigations were conducted on June 20 and 21, 2017 at the proposed crossing locations to confirm the presence of mapped watercourses and identify the potential for additional watercourse crossings that were not identified during background data review.*	There are 7 sub-watersheds within the area, one of which, East Cross Creek, flows into the Scugog River. The majority of Aquatic Habitat Assessments were conducted via desktop review, and field investigations haven't been conducted since 2017. We recommend that as much up-to-date information as possible be collected for Aquatic Habitat Assessments to ensure that mitigation measures for aquatic species are informed by adequate data.
Section 3.3.4.5	*Based on a review of background information and consultation with the MECP (email received October 25, 2021), 20 threatened and endangered species have ranges that overlap the Study Area, including 2 species of reptile, 11*	20 threatened and endangered terrestrial species have ranges that overlap the Study Area, including 2 species of reptile, 11 species of breeding birds, 3

	species of breeding birds, 3 species of mammal, 2 species of invertebrates and 2 species of plants as shown in Table 3.6.	species of mammal, 2 species of invertebrates and 2 species of plants. Linear infrastructure can have significant negative impacts on wildlife. However, it is possible that they may use cleared corridors for movement, and these corridors can also act as conduits for invasive plant movement. It is important that Enbridge consider the potential corridor effects of this linear infrastructure and propose mitigation measures like careful invasive species management.
3.4.5 Landfills and Contaminated Sites	*Information gathered during the site visit in 2017 indicates that there are no potential sources of contamination within the Study Area with the exception of four gasoline stations located in the Study Area:* *• County Road 36 and Mill St in Bobcaygeon;* *• County Road 36 and Main Street in Bobcaygeon;* *• Marina St. and Peace Road in Omemee; and,* *• Highway 7 near the intersection with Emily Park Road.* *No other information pertaining to potential sources of contamination were readily available.* *Hazardous Waste* *A review of the MECP Hazardous Waste database (MECP, 2017b) identified four hazardous waste locations within the Study Area. These locations are noted in Appendix C, Figure C1.* *Landfills* *The locations of active and former landfill sites in the Study Area are shown in Appendix C, Figure C-1 and were identified by reviewing Official Plan maps, MECP's Waste Disposal Sites – Historical Approval Inventory (1991), and MECP's Landfill Inventory Management Ontario which includes small and large landfills (MECP, 2017c). There are*	It should be noted that the pipeline route represents a preferential pathway for surface water movement post-construction. This presents concern since there are contaminated sites in the vicinity of the proposed pipeline (e.g., gasoline stations, landfills) and gravel soils are dominant in the study area. Specific analysis and discussion of the potential for surface and groundwater transport of contaminants should be included in the ER.

	two active landfills and two closed landfill located within the Study Area. *Contaminated Sites and Former Industrial Sites* *The location of contaminated sites in the Study Area were identified by reviewing Official Plans maps, the MECP Brownfield's Environmental Site Registry (MECP, 2017d), the Federal Contaminated Sites Inventory accessed through the Treasury Board of Canada Secretariat's website (Treasury Board, 2017) and the MECP Waste Disposal Inventory (1991), including the Inventory for Industrial Sites Producing and Using Coal Tar and Related Tars in Ontario. Contaminated sites identified in Figure C-1 have been assessed independently and the assessment filed with the relevant governing organization. The contaminants found at any registered contaminated sites are a direct result of the previous and/or current land use*	
Table 5.1 - Potential Impacts and Recommended Mitigation and Protective Measures Bedrock Geology and Drift Thickness Section 3.2.1	*Horizontal Directional Drilling* • *There is a potential to encounter cobbles and boulders in the overburden soils along the entire alignment. However, areas with shallow bedrock have a higher potential in this regard. The presence of cobbles and boulders can pose difficulties for HDD installation. Difficulties such as skipping of the bit, obstruction of the bit and pipe damage should be anticipated. For watercourse crossings, there is also the potential for hydro-fracture and blowout as well as inadvertent release of drilling fluids to watercourses during typical HDD operations. All rock formations in Southern Ontario are known to possess high in situ horizontal stresses and time dependent swelling potential. The resulting phenomenon is often referred to as "rock squeeze" and can adversely impact infrastructure installed in the rock.*	HDD is noted as a likely method of water crossing throughout the report, without explanation of why this is the best method for watercourse crossings. Further explanation of the chosen method and alternatives would be beneficial. Additionally, a detailed drilling plan should be prepared and provided to WTFNs for review and comment prior to work commencing.

Table 5.1 - Potential Impacts and Recommended Mitigation and Protective Measures Aquatic Species and Habitat Section 3.3.1	*Construction has the potential to affect fish through impacts on water quality (erosion, sedimentation, and accidental spills) and disruption/harassment (vibration and noise). These potential effects may occur due to construction of the pipeline.* *Watercourses identified as supporting direct fish habitat are planned to be crossed using HDD methods. Therefore, no in-water work will be required. Watercourses identified as not supporting direct fish habitat may be crossed using trenched construction methods if approved by permit conditions. Setback distances for the HDD entry and exits pits should be established at least 30 m from the bankfull width of aquatic habitat. With the successful implementation of mitigation measures, HDD crossings reduce the risk of impacts on sensitive habitats and sedimentation in a watercourse and reduce disturbance to the riparian zone away from the channel. Fish passage and stream flow are also maintained. If trenched crossings are required at locations that support direct fish habitat, other potential impacts could include restrictions to habitat use and fish passage, changes to habitat such as altered substrate composition, increased erosion potential, loss of in-stream cover and loss of riparian shading. Excessive sediment introduced into a watercourse can adversely impact fish through clogging of fish gills and promoting avoidance behaviour, and can impact habitat through sedimentation of spawning beds and alteration of habitat structure. There is a potential for trenched crossings to require DFO review and / or permitting, depending on the results of applying DFO's assessment criteria to determine if a project needs a review. Criteria are outlined at https://www.dfompo.gc.ca/pnw-ppe/reviews-revues/request-review-demande-d-examen-003-eng.html.*	Per the above comments, any work around watercourses should be completed in respect of fish spawning knowledge from both regulatory agencies and WTFNs. Although it doesn't involve direct in-water work, HDD presents a risk to watercourses from the potential release of drilling fluid along unintended pathways. Given that the Bobcaygeon area has ecological and cultural significance, specific mitigation plans for HDD activities are recommended, and should include avoidance of sensitive fish life cycle events, emergency response, and water quality monitoring during and following the activities.
Table 5.1 - Potential	*The potential impacts on wetlands during construction include accidental contaminant release, sedimentation and*	Given the potential risks of HDD fluid release to surrounding wetlands, the HDD activities should be

Redacted, Updated: 2023-06-14, EB-2022-0111, Exhibit H, Tab 1, Schedule 1, Attachment 7, Page 422 of 446

Impacts and Recommended Mitigation and Protective Measures Wetlands Section 3.3.3	*turbidity from surface runoff, introduction of invasive species and temporary lowering of the water table during trench dewatering. Clean-up and restoration activities to contain or remove contaminant and sediment releases can cause more damage to sensitive wetland ecology than the initial impact of the release. Therefore, it is important to institute appropriate mitigation measures to minimize interactions with adjacent wetlands.* *As construction is planned within the previously disturbed road allowance, no adverse interactions are expected to occur with wetlands along the preferred route. However, to protect these features, construction activities undertaken in proximity should include the following mitigation measures.*	planned in a manner that respects sensitive life cycle events of wetland-dependent species. There are several at-risk herpetofauna species (e.g., Blanding's turtle) in the area that rely on wetlands for different life cycle events. While more detailed surveys for these species should occur, they tend to be difficult to detect and activities should be carried out in a manner that mitigates any potential impacts on them. Consideration of life cycles is also relevant in the case of mitigating the serious threat of road mortality on herpetofauna, since they tend to be more active near roads during certain life cycle events (e.g., nesting).
Table 5.1 - Potential Impacts and Recommended Mitigation and Protective Measures Wildlife, Wildlife Habitat and Species at Risk Section 3.3.4	*<u>Turtles</u>* • *Blanding's Turtle records are known to occur within the Study Area, per consultation with MECP. Shallow marshes and ponds identified within the Study Area have the potential to provide habitat for Blanding's Turtle. Regulatory requirements for Blanding's Turtle are at the discretion of the MECP, with recommended mitigation measures outlined below.* • *Implement erosion and sediment control measures detailed in Section 3.3.3 to protect turtle habitat (wetlands).* • *Exclusion fencing (e.g., silt fence) should be erected on both sides of the road prior to activities occurring during the active season (e.g., April 1 – September 30) in areas identified as having turtles (30 m for SOCC species, 250 m for Blanding's turtle) or as being high potential, such as stream/river crossings, lake shores, ponds, wetlands, dips or valleys between rock outcrops, wetted ditches connected to natural water features.* • *Exclusion fencing should be installed prior to the sensitive nesting season (May 1 and June 30) if*	The recommendation of exclusion fencing for herpetofauna is appreciated. However, the integrity of this fencing and the provision of connectivity paths are essential to ensuring that this fencing is effective. For example, design should consider the potential need to extend fencing to a nearby bridge that allows for safe passage through an unaffected watercourse. It is critical for fencing to be inspected regularly, and repairs must be made in short order. Details on fencing connectivity, monitoring, and repair should be provided to ensure that this mitigation is effectively implemented in a way that protects wildlife that are especially vulnerable to road and equipment mortality.

	activities are anticipated to occur throughout this period to prevent turtles from entering and/or nesting; or pre-screening can be completed to avoid nests if work must begin during nesting season. • *No heavy machinery should be permitted on the shoulder of the road past the exclusion fencing to prevent compaction and prevent destruction of nests and habitat.* • *Where possible, restrict construction activities within 30 m of a nesting site.*	
Section 7.1	*Recommendations and commitments made in this ER and other applicable permits and reports should be incorporated into an Environmental Protection Plan (EPP) detailing construction activity.* *The EPP should also include site and feature specific mitigation. The EPP should become part of the contract specification with the contractor selected to construct the project, as noted in section 5.8.4 of the OEB Environmental Guidelines (2016).*	Please keep MSIFN up to date with the drafting of the Environmental Protection Plan (EPP). Enbridge Gas should provide the EPP to MSIFN and other interested WTFNs for review and comment several weeks prior commencing construction. There may be interest in fielding environmental monitors if deemed necessary by MSIFN leadership.

Sincerely,

Don Richardson, PhD
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Line-item attachment 9.22

From: Matthew Chegahno <matthew.chegahno@enbridge.com>
Sent: Thursday, February 17, 2022 7:49 AM
To: Waverley Birch
Cc: Don Richardson; Samantha Shrubsole; Monica Sanford; Colleen Kennedy; Consultation; Melanie Green
Subject: RE: Comments: Bobcaygeon ER

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Waverly,

Miigwetch again for sending us this thoughtful review of the *Bobcaygeon Community Expansion Project* Environmental Report on behalf of Mississaugas of Scugog Island First Nation. Attached you will find Enbridge's responses to each of MSIFN's comments on the ER.

Enbridge understands that consultation is an ongoing process that must be meaningful. As such, I recognize that there may be the need for subsequent conversations on these matters and would invite MSIFN to kindly indicate if that is the case. Melanie Green (cc'd) and I would be happy to engage in further discussions to better understand and include MSIFN in the *Bobcaygeon Community Expansion Project*.

Chi-miigwetch,

Matt

Matthew Chegahno (he/him)
Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

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Safety. Integrity. Respect. Inclusion.

Table 1: Enbridge Gas's (Enbridge) Responses to Mississaugas of Scugog Island First Nation (MSIFN) Comments			
Reference	Text from ER	Comment	Enbridge Response
Section 1.1	*50 kilometers (km) of a combination of 6-inch and 8-inch steel and plastic natural gas pipeline.*	There is an opportunity to design this pipeline such that it can transport alternative fuels like hydrogen and/or blends of hydrogen and natural gas in the near-term, rather than needing to retrofit the line to make this feasible. Given the profoundly serious impacts of climate change on all aspects of the environment, this is a consideration that should be outlined in the present report. Enbridge should comment on measures that will be taken to ensure pipeline integrity during alternative fuel transport and blending.	• Ontario is increasingly focused on moving to lower-carbon energy sources and we share that goal. • Natural gas plays a critical role in Ontario's energy transition, and complements the growth of renewable, and low-carbon solutions. • Enbridge is supporting the transition to a low-carbon economy through innovative energy solutions and collaboration with governments and partners to keep energy affordable, reliable, and reduce environmental impact. • Safety is an Enbridge value and it's an inherent component of what we do in ensuring the highest level of system integrity, public safety, the safety of our workforce and the energy system itself. Safety begins at the concept stage, and where possible is engineered into all our systems. Our workforce, inclusive of our contractors, is continuously trained and up to date on the latest safety related processes and procedures to ensure the highest level of system safety. Along with all our proactive pipeline integrity programs Enbridge undertakes, the Company continues to engage with the community, first responders, and all

			authorities having jurisdiction over safety-related issues. • All new proposed pipeline(s) will be designed to accommodate the maximum blend amount possible for that portion of pipeline. This may be 20% or higher depending on the manufacturing characteristics of the steel pipeline produced. If the new proposed pipeline is plastic (polyethylene or PE), it may be possible to accommodate up to 100% hydrogen.
Table 1.1 – Summary of Potential Environmental Permit and Approval Requirements	*Following determination of final crossing method a fish habitat impact screening (self-assessment) may be needed to determine if DFO review/authorization will be required.*	Per the June 21st (2019) updates to the Fisheries Act, the "Self-Assessment" process is no longer in place. Does this statement refer to a review of the "Measures to Protect Fish and Fish Habitat"? It should be outlined how each of these measures will be met. Since there is no standard and code of practice for pipeline water crossings, DFO review should be requested if each of the above measures cannot be met.	Enbridge acknowledges this comment and commits to updating the Environmental Report ("ER") to reflect this. Mitigation and protective measures will be implemented according to DFO's "Measures to Protect Fish and Fish Habitat" where applicable. For crossings and activities not specifically covered by these measures, DFO review may be required, or DFO-Enbridge agreements on standard sediment control plans for crossing alternatives may be used in lieu of DFO review.
Table 1.1 – Summary of Potential Environmental Permit and Approval Requirements	*The proposed method for pipeline water crossings (i.e. horizontal directional drilling) will likely not require authorization provided measures to avoid causing a HADD of fish habitat are followed during construction. These measures include completing the work during the appropriate timing window*	Horizontal directional drilling (HDD) presents a risk of drilling fluid release into waterways, wetlands, and waterbodies. To follow the above noted DFO Measures to Protect Fish and Fish Habitat, more detailed mitigation planning is needed. Given the sensitivity of aquatic features in	HDD is an industry best practice as a crossing method in which there is no disturbance to the bed and banks of a waterbody because the pipeline is installed beneath a sensitive feature without in-water works (e.g., dam and pump) and without an open trench, thereby minimizing surface disturbances such as clearing. Watercourse crossing methods will be confirmed during detailed design and

	(Ministry of Northern Development, Mines, Natural Resources and Forestry [MNDMNRF] formerly the Ministry of Natural Resources and Forestry [MNRF] designated construction windows note that Inwater work is permitted from July 1 to March 14 for warm water crossings and from July 1 to September 15 for cold water crossings), installation of appropriate sediment and erosion control measures (i.e., silt fencing around disturbed areas and development of a contingency plan). If these measures are followed, a project of this nature is typically considered to be low risk to fish and fish habitat and can proceed without DFO review.	the Bobcaygeon area and the importance of these features to First Nations, this is of particular interest. More detailed mitigation should outline the specific timing of HDD in relation to fish life cycle events, following both DFO guidance and Indigenous knowledge from Williams Treaty First Nations (WTFNs). Further comments on HDD	permitting, however, it is worth noting that HDD is Enbridge's preferred method for watercourse crossings. HDD is accepted by the Department of Fisheries and Oceans (DFO) as it avoids in-water work. DFO states that "this method is preferable to open-cut and isolated crossings since the cable or pipeline is drilled underneath the watercourse with very little disturbance to the bed or banks." (DFO, High Pressure Directional Drilling, 2007). The Ministry of Northern Development, Mines, Natural Resources and Forestry (NDMNRF) designated construction timing windows will be followed. These timing windows note that in-water work is permitted from July 1 to March 14 for warm water crossings and from July 1 to September 15 for cold water crossings (noted in Table 1.1 of the ER). Additional mitigation and protective measures for aquatic species and habitat are noted in Table 5.1 under the "Aquatic Species and Habitat (Section 3.3.1)" row. A Contingency Plan for inadvertent releases of drilling fluid is noted in Section 7.2.1 of the ER. Enbridge is also completing a geotechnical/hydrogeology program to inform the HDD design.

Table 1.1	*Environment and Climate Change Canada does not require a permit to be issued for vegetation clearing, however, precautions need to be taken so that no breeding birds or their nests are harmed or destroyed during the bird nesting season as a result of construction of the Project.*	Vegetation clearing timing should also take into account the potential impacts on Species at Risk bats. Clearing should occur outside of bat roosting windows, and maternity roost (snag) surveys should be completed to ensure that bat habitat is adequately accounted for.	Enbridge acknowledges the comment regarding vegetation clearing. As noted in Table 5.1 of the ER under the "Wildlife, Wildlife Habitat, and Species at Risk (Section 3.3.3)" row the following mitigation and protective measures relating to bats will be implemented: • Areas of potential bat maternity roosting habitat will be identified during field investigations. • Tree removal in identified areas should be limited to the extent possible and will avoid the active season for bats (mid-April to mid-September). • If tree removal is required, mitigation recommendations for SAR bats will be prepared upon consultation with MECP. At this time, tree removal is not anticipated, however, if required, additional field investigations including a tree inventory and bat surveys would be completed, MSIFN will be invited to participate in these activities, if desired.
Section 3.2.3	*The Trent assessment report indicates that high groundwater vulnerability is primarily mapped within the northern portion of the proposed pipeline, from Bobcaygeon to about Lakeview Estates. Medium to high*	The entire length of the pipeline is medium-to-high groundwater vulnerability. The MECP Water Well Records show that the average depth of the shallow wells within 500m of the pipeline are only 2.4 m below ground surface.	Enbridge's standard construction depth of cover will be followed (i.e., 0.9-1.2m depth and minimum 2.0 – 2.5m under watercourses to prevent erosion and exposure the natural gas pipeline).

	groundwater vulnerability is mapped moving southward toward Highway 7. The southern extent of the proposed pipeline ranges from high to low vulnerability. *Of the shallow wells with static water level records, the average water level of the shallow overburden and bedrock wells was 2.4 m and 2.3 m BGS, respectively (MECP 2018).*	This is concerning given the plans to drill and potentially blast to create trenches for the pipeline. More detailed mitigation measures for the protection of groundwater should be outlined in the report.	Mitigation and protective measures for groundwater resources are noted in Table 5.1 of the ER under the "Groundwater (Section 3.2.3)" row. This includes, but is not limited to, applying for a Permit to Take Water (PTTW) or approval under the Environmental Activity Sector Registry (EASR), if deemed required and implementing a private water well monitoring program. Enbridge is completing a geotechnical/hydrogeology program to inform the HDD design and water taking requirements. Based on the results of the hydrogeological program, a PTTW or EASR may be obtained. Prior to implementing blasting, other methods of construction will be investigated first (i.e., hoe-ram). Blasting will only be used if necessary.
Section 3.2.5	*A mosaic of soil types are present within the Study Area, but the predominant types are Cramahe gravel (a calcareous gravel) and Otonabee loam (calcareous loam and sandy loam till). The region is rolling to steep and hilly, in some places, and the drainage capabilities are good to excessive.*	The study area is predominantly gravel soil which has a high permeability, furthering concerns about the safety of groundwater in the area. As per the above comment, the report should outline how Enbridge plans to ensure the safety of local groundwater.	Enbridge acknowledges the information provided by MSIFN. Mitigation and protective measures for groundwater resources are noted in Table 5.1 under the "Groundwater (Section 3.2.3)" row. See comment above.
Section 3 .3.1.2	*The MNDMNRF's digital mapping (LIO 2017, 2021) indicates that there are seven subwatersheds*	There are 7 sub-watersheds within the area, one of which, East Cross Creek, flows into the Scugog River.	NDMNRF and the Conservation Authorities have available fish data that were reviewed in conjunction with other online data sources

	within the Study Area, including the Bobcaygeon River, the Pigeon River, Pigeon Lake, Emily Creek (which flows to Sturgeon Lake), Chemong Lake, Jackson Creek (which flows to the Otonabee River) and East Cross Creek (which flows to the Scugog River). *Site investigations were conducted on June 20 and 21, 2017 at the proposed crossing locations to confirm the presence of mapped watercourses and identify the potential for additional watercourse crossings that were not identified during background data review.*	The majority of Aquatic Habitat Assessments were conducted via desktop review, and field investigations haven't been conducted since 2017. We recommend that as much up-to-date information as possible be collected for Aquatic Habitat Assessments to ensure that mitigation measures for aquatic species are informed by adequate data.	during the preparation of the ER. The data permitted identification of the thermal regime for each watercourse and an assessment of sensitivity to guide mitigation recommendations. Given the sensitive nature of the local fisheries, no in-water work is proposed at any of the pipeline crossings of watercourses. The proposed method for pipeline water crossings (i.e., horizontal directional drilling) allows for installation of the pipe beneath the watercourse without the requirement for disturbance of the watercourse channel. Mitigation measures will also be applied at various crossing locations to further reduce the risk of impact. These measures include completing the work during the appropriate timing window, installation of appropriate sediment and erosion control measures (i.e., silt fencing around disturbed areas) and development of a contingency plan. If these measures are followed, a project of this nature is typically considered to be low risk to fish and fish habitat.
Section 3 .3.4.5	*Based on a review of background information and consultation with the MECP (email received October 25, 2021), 20 threatened and endangered species have ranges*	20 threatened and endangered terrestrial species have ranges that overlap the Study Area, including 2 species of reptile, 11 species of breeding birds, 3	Enbridge completes post-construction monitoring at 3- and 15-month intervals, which is a typical condition of an Ontario Energy Board (OEB) approval of a project of this scale and scope. An outcome of this monitoring would be to document any issues

	that overlap the Study Area, including 2 species of reptile, 11 species of breeding birds, 3 species of mammal, 2 species of invertebrates and 2 species of plants as shown in Table 3.6.	species of mammal, 2 species of invertebrates and 2 species of plants. Linear infrastructure can have significant negative impacts on wildlife. However, it is possible that they may use cleared corridors for movement, and these corridors can also act as conduits for invasive plant movement. It is important that Enbridge consider the potential corridor effects of this linear infrastructure and propose mitigation measures like careful invasive species management.	identified with respect to invasive species and provide solutions to address the issues. Enbridge also has standard mitigation for invasive species during construction which includes: - Equipment shall be inspected and cleaned of soils and plants prior to leaving the depot, moving within, or leaving any work site to prevent the spread of invasive species - Cleaning equipment of soils and plants must involve the following (whether cleaning at a depot or on a work site): - When possible, clean equipment on nearby hard surfaces such as gravel, concrete, or asphalt. - Choose an area with a gentle slope to direct water and material away from - the equipment. - Do not clean equipment within 30 meters of a watercourse, storm sewer, or other drains. - Use shovels, compressed air, pressure washers, etc. to remove dirt, debris, and plants. - Ensure you clean hard-to-reach places including the underside of a vehicle, mud flaps, bumpers, and foot wells. - Clean inside a vehicle by sweeping or using compressed air.
3.4.5 Landfills and	*Information gathered during the site visit in 2017 indicates that there are no potential sources of*	It should be noted that the pipeline route represents a preferential pathway for surface	Mitigation and protective measures related to soils are noted in Table 5.1 under the "Landfills and Contaminated Sites (Section

Contaminated Sites	*contamination within the Study Area with the exception of four gasoline stations located in the Study Area:* *• County Road 36 and Mill St in Bobcaygeon;* *• County Road 36 and Main Street in Bobcaygeon;* *• Marina St. and Peace Road in Omemee; and,* *• Highway 7 near the intersection with Emily Park Road.* *No other information pertaining to potential sources of contamination were readily available.* *Hazardous Waste:* *A review of the MECP Hazardous Waste database (MECP, 2017b) identified four hazardous waste locations within the Study Area. These locations are noted in Appendix C, Figure C1.* *Landfills:* *The locations of active and former landfill sites in the Study Area are shown in Appendix C, Figure C-1 and were identified by reviewing Official Plan maps, MECP's Waste Disposal Sites – Historical Approval Inventory (1991), and MECP's*	water movement post-construction. This presents concern since there are contaminated sites in the vicinity of the proposed pipeline (e.g., gasoline stations, landfills) and gravel soils are dominant in the study area. Specific analysis and discussion of the potential for surface and groundwater transport of contaminants should be included in the ER.	3.4.5)". Should contaminated soils be encountered during construction, Enbridge will implement their Suspect Soils Program. Enbridge will be completing additional studies along the Project route including identifying areas of Potentially Contaminating Activities (PCA) and Areas of Potential Environmental Concern (APEC) and based on the results of these studies, additional mitigation measures may be developed to manage contaminated soils and/or groundwater.

	Landfill Inventory Management Ontario which includes small and large landfills (MECP, 2017c). There are two active landfills and two closed landfill located within the Study Area. *Contaminated Sites and Former Industrial Sites:* *The location of contaminated sites in the Study Area were identified by reviewing Official Plans maps, the MECP Brownfield's Environmental Site Registry (MECP, 2017d), the Federal Contaminated Sites Inventory accessed through the Treasury Board of Canada Secretariat's website (Treasury Board, 2017) and the MECP Waste Disposal Inventory (1991), including the Inventory for Industrial Sites Producing and Using Coal Tar and Related Tars in Ontario. Contaminated sites identified in Figure C-1 have been assessed independently and the assessment filed with the relevant governing organization. The contaminants found at any registered contaminated sites are a direct result of the previous and/or current land use*		

Table. 5.1- Potential Impacts and Recommended Mitigation and Protective Measures Bedrock Geology and Drift Thickness Section 3.2.1	*Horizontal Directional Drilling* *• There is a potential to encounter cobbles and boulders in the overburden soils along the entire alignment. However, areas with shallow bedrock have a higher potential in this regard. The presence of cobbles and boulders can pose difficulties for HDD installation. Difficulties such as skipping of the bit, obstruction of the bit and pipe damage should be anticipated. For watercourse crossings, there is also the potential for hydro-fracture and blowout as well as inadvertent release of drilling fluids to watercourses during typical HDD operations. All rock formations in Southern Ontario are known to possess high in situ horizontal stresses and time dependent swelling potential. The resulting phenomenon is often referred to as "rock squeeze" and can adversely impact infrastructure installed in the rock.*	HDD is noted as a likely method of water crossing throughout the report, without explanation of why this is the best method for watercourse crossings. Further explanation of the chosen method and alternatives would be beneficial. Additionally, a detailed drilling plan should be prepared and provided to WTFNs for review and comment prior to work commencing.	See comments above under "Table 1.1 – Summary of Potential Environmental Permit and Approval Requirements." Enbridge would be pleased to have further discussions with MSIFN regarding HDDs and other crossing methods.
Table 5.1 – Potential Impacts and Recommended Mitigation and	*Construction has the potential to affect fish through impacts on water quality (erosion, sedimentation, and accidental spills) and disruption/harassment (vibration and noise). These*	Per the above comments, any work around watercourses should be completed in respect of fish spawning knowledge from both regulatory agencies and WTFNs. Although it doesn't involve direct	See comments above under "Table 1.1 – Summary of Potential Environmental Permit and Approval Requirements." Mitigation and protective measures pertaining to HDD methods are noted in Table 5.1 under

Protective Measures Aquatic Species and Habitat Section 3.3.1	*potential effects may occur due to construction of the pipeline.* *Watercourses identified as supporting direct fish habitat are planned to be crossed using HDD methods. Therefore, no in-water work will be required.* *Watercourses identified as not supporting direct fish habitat may be crossed using trenched construction methods if approved by permit conditions.* *Setback distances for the HDD entry and exits pits should be established at least 30 m from the bankfull width of aquatic habitat. With the successful implementation of mitigation measures, HDD crossings reduce the risk of impacts on sensitive habitats and sedimentation in a watercourse and reduce disturbance to the riparian zone away from the channel. Fish passage and stream flow are also maintained.* *If trenched crossings are required at locations that support direct fish habitat, other potential impacts could include restrictions to habitat use and fish passage, changes to habitat such as altered substrate composition, increased erosion potential, loss of in-stream cover*	in-water work, HDD presents a risk to watercourses from the potential release of drilling fluid along unintended pathways. Given that the Bobcaygeon area has ecological and cultural significance, specific mitigation plans for HDD activities are recommended, and should include avoidance of sensitive fish life cycle events, emergency response, and water quality monitoring during and following the activities.	the "Aquatic Species and Habitat (Section 3.3.1)" row. These measures include following construction timing windows set out by NDMNRF and implementing Erosion and Sediment Control (ESC) measures. As noted above, Enbridge would be pleased to have further discussions with MSIFN regarding HDDs and other crossing methods and applicable mitigation measures.

	and loss of riparian shading. Excessive sediment introduced into a watercourse can adversely impact fish through clogging of fish gills and promoting avoidance behaviour, and can impact habitat through sedimentation of spawning beds and alteration of habitat structure. There is a potential for trenched crossings to require DFO review and / or permitting, depending on the results of applying DFO's assessment criteria to determine if a project needs a review. Criteria are outlined at https://www.dfompo.gc.ca/pnw-ppe/reviews-revues/request-review-demande-d-examen-003-eng.html.		
Table 5.1 – Potential Impacts and Recommended Mitigation and Protective Measurers Wetlands Section 3.3.3	*The potential impacts on wetlands during construction include accidental contaminant release, sedimentation and turbidity from surface runoff, introduction of invasive species and temporary lowering of the water table during trench dewatering. Clean-up and restoration activities to contain or remove contaminant and sediment releases can cause more damage to sensitive wetland ecology than the initial impact of the release. Therefore, it is important to institute appropriate*	Given the potential risks of HDD fluid release to surrounding wetlands, the HDD activities should be planned in a manner that respects sensitive life cycle events of wetland-dependent species. There are several at-risk herpetofauna species (e.g., Blanding's turtle) in the area that rely on wetlands for different life cycle events. While more detailed surveys for these species should occur, they tend to be difficult to detect and activities should be carried out in a manner	As noted above, mitigation and protective measures will be carried out for HDD. Mitigation and protective measures specific to Blanding's turtles are noted in Table 5.1 under the "Wildlife, Wildlife Habitat, and Species at Risk (Section 3.3.4) row. Enbridge will be consulting with the MECP further to determine SAR survey requirements and additional mitigation.

	mitigation measures to minimize interactions with adjacent wetlands. *As construction is planned within the previously disturbed road allowance, no adverse interactions are expected to occur with wetlands along the preferred route. However, to protect these features, construction activities undertaken in* *proximity should include the following mitigation measures.*	that mitigates any potential impacts on them. Consideration of life cycles is also relevant in the case of mitigating the serious threat of road mortality on herpetofauna, since they tend to be more active near roads during certain life cycle events (e.g., nesting).	
Table 5.1 – Potential Impacts and Recommended Mitigation and Protective Measures Wildlife, Wildlife Habitat and Species at Risk Section 3.3.4	*Turtles* • *Blanding's Turtle records are known to occur within the Study Area, per consultation with MECP. Shallow marshes and ponds identified within the Study Area have the potential to provide habitat for Blanding's Turtle. Regulatory requirements for Blanding's Turtle are at the discretion of the MECP, with recommended mitigation measures outlined below.* • *Implement erosion and sediment control measures detailed in Section 3.3.3 to protect turtle habitat (wetlands).* • *Exclusion fencing (e.g., silt fence) should be erected on both sides of the road prior to activities occurring*	The recommendation of exclusion fencing for herpetofauna is appreciated. However, the integrity of this fencing and the provision of connectivity paths are essential to ensuring that this fencing is effective. For example, design should consider the potential need to extend fencing to a nearby bridge that allows for safe passage through an unaffected watercourse. It is critical for fencing to be inspected regularly, and repairs must be made in short order. Details on fencing connectivity, monitoring, and repair should be provided to ensure that this mitigation is effectively implemented in a way that	As noted in Table 5.1 of the ER, exclusion fencing will be erected on both sides of the road prior to activities occurring during the active season (April 1 – September 30) in areas identified as having turtles or as being high potential, such as stream/river crossings, lake shores, ponds, wetlands, dips or valleys between rock outcrops, and wetted ditches connected to natural water features. The exclusion fencing used will meet NDMNRF requirements. Further discussions with the MECP are also required to confirm mitigation measures for Blanding's Turtle. An Environmental Inspector will be onsite regularly during construction within environmentally sensitive areas and will review fencing integrity and maintenance.

	during the active season (e.g., April 1 – September 30) in areas identified as having turtles (30 m for SOCC species, 250 m for Blanding's turtle) or as being high potential, such as stream/river crossings, lake shores, ponds, wetlands, dips or valleys between rock outcrops, wetted ditches connected to natural water features. *• Exclusion fencing should be installed prior to the sensitive nesting season (May 1 and June 30) if activities are anticipated to occur throughout this period to prevent turtles from entering and/or nesting; or pre-screening can be completed to avoid nests if work must begin during nesting season.* *• No heavy machinery should be permitted on the shoulder of the road past the exclusion fencing to prevent compaction and prevent destruction of nests and habitat.* *• Where possible, restrict construction activities within 30 m of a nesting site.*	protects wildlife that are especially vulnerable to road and equipment mortality.	Mitigation measures for fencing and inspection will also be developed and included in the project specific EPP.
Section 7.1	*Recommendations and commitments made in this ER and other applicable permits and reports should be incorporated into an Environmental Protection Plan*	Please keep MSIFN up to date with the drafting of the Environmental Protection Plan (EPP). Enbridge Gas should provide the EPP to MSIFN and	As with past projects, Enbridge will engage MSIFN in environmental planning and mitigation at the outset of every proposed project in the Williams Treaties territory.

	(EPP) detailing construction activity. *The EPP should also include site and feature specific mitigation. The EPP should become part of the contract specification with the contractor selected to construct the project, as noted in section 5.8.4 of the OEB Environmental Guidelines (2016).*	other interested WTFNs for review and comment several weeks prior to commencing construction. There may be interest in fielding environmental monitors if deemed necessary by MSIFN leadership.	Enbridge would be pleased to discuss any additional recommendations MSIFN may have on monitoring or environmental priorities, suggestions, and approaches, including the participation of environmental monitors from MSIFN.

Line-item attachment 9.33

From: Consultation
To: Melanie Green
Cc: Don Richardson; Waverley Birch; Emily Ferguson; Lauryn Graham
Subject: [External] Re: UPDATED draft: Stage 1 Archaeology Assessment - Bobcaygeon
Date: Tuesday, April 12, 2022 2:50:05 PM
Attachments: image001.png

CAUTION! EXTERNAL SENDER
Were you expecting this email? TAKE A CLOSER LOOK. Is the sender legitimate?
DO NOT click links or open attachments unless you are 100% sure that the email is safe.

Hi Melanie,

Please see below comments on behalf of MSIFN for the Stage 1 AA - Bobcaygeon Expansion Project:

- MSIFN acknowledges the findings in the Stage 1 Archaeological Assessment: Bobcaygeon Community Expansion Project
- MSIFN requests the opportunity to receive and review Stage 2 archaeological assessments for portions of the study area which have been identified as retaining archaeological potential
- MSIFN requests to receive correspondence between Enbridge Gas and Parks Canada, with respect to any archaeological assessment permissions for any portion of the Project route that is proposed to cross the Bobcaygeon River through property owned by Parks Canada requiring assessment under Parks Canada policy and standards. MSIFN acknowledges that these specific areas have the highest degree of archaeological potential, and that the Project study area includes the Bobcaygeon Lock and associated infrastructure, which is under the jurisdiction and operation of Parks Canada.

Please keep us updated on the status of the project moving forward.

Thank you for your patience with this!

Sam

Samantha Shrubsole (she/her)
BSc, EMA
Consultation Advisor to MSIFN

Line-item attachment 9.39

From: Melanie Green
To: Consultation
Cc: Don Richardson; Waverley Birch; Emily Ferguson; Lauryn Graham
Subject: RE: UPDATED draft: Stage 1 Archaeology Assessment - Bobcaygeon
Date: Wednesday, May 11, 2022 3:08:19 PM
Attachments: image001.png

Good afternoon Sam,

Please see below to response to your comment -

Comment: MSIFN requests to receive correspondence between Enbridge Gas and Parks Canada, with respect to any archaeological assessment permissions for any portion of the Project route that is proposed to cross the Bobcaygeon River through property owned by Parks Canada requiring assessment under Parks Canada policy and standards. MSIFN acknowledges that these specific areas have the highest degree of archaeological potential, and that the Project study area includes the Bobcaygeon Lock and associated infrastructure, which is under the jurisdiction and operation of Parks Canada.

Response: Based on our proposed pipeline alignment crossing the Trent Severn and the Reference Plans pulled from the Ontario Land Registry, no easements owned by Parks Canada are along the alignment, therefore, Enbridge Gas has not engaged with Parks Canada regarding archaeology work and will proceed with archaeology work as per the *MSTCI Standards and Guidelines for Consultant Archaeologists, 2011*. Enbridge Gas will be engaging with Parks Canada and be completing a Basic Impact Analysis for the watercourse crossing."

Thank you,

Mel

Line-item attachment 9.40

From: Melanie Green
To: Colleen Kennedy; Consultation; Don Richardson; Kathleen Bent; Monica Sanford; Waverley Birch
Cc: Lauryn Graham
Subject: Enbridge Gas Inc. Bobcaygeon Community Expansion Project – Phase 1 Ecological Land Classification and Habitat Assessment
Date: Thursday, May 12, 2022 10:54:40 AM

Good morning,

I have been given information related to; PHASE 1 Ecological Land Classification and Habitat Assessment related to Bobcaygeon Community expansion project – should you be interested in reviewing, the information to access below.
As always, your feedback is appreciated and Enbridge acknowledges that capacity support may be required in order engage in timely reviews of the documents, participation in archaeological work associated with proposed projects, and to engage in meaningful consultation. We are prepared to provide capacity funding to support this work.

Should time allow, we would appreciate comments and feedback **by June 8th, 2022** – if you force requiring more time, please let me know.

Thank you and have a fabulous day!

Mel

Login Information

Browser link: https://tmpsftp.stantec.com
FTP Client Hostname: tmpsftp.stantec.com **Port:** 22 (can be used within a SFTP client to view and transfer files and folders; e.g., FileZilla)
Login name: s0518142202
Password: 7969419
Disk Quota: 20 GB
Expiry Date: 5/18/2022

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

ENBRIDGE INC.
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400 Coventry Rd, Ottawa, ON K1K2C7

www.enbridge.com

Line-item attachment 9.56

From: Melanie Green
To: Colleen Kennedy; Consultation; Don Richardson; Kathleen Bent; Monica Sanford; natalya; Sam; Thomas Turoczi
Cc: Lauryn Graham
Subject: Stage 2 AA - Bobcaygeon Community Expansion Project (Memo)
Date: Thursday, February 16, 2023 2:20:39 PM
Attachments: 160951282_2022_arch_field_memo_rev.pdf

Good afternoon,

We just received an archaeological field memo detailing high level results/pictures from the Stage 2 AA field work for Phases 1-2 and photo documentation for Phase 3, related to the Bobcaygeon Community Expansion Project. A detailed report is forthcoming and as soon as it is received, I will send it off for review and comment.

Should you have any questions, please reach out.

Thank you in advance,

Mel

Melanie Green C.E.T
Senior Advisor, Community & Indigenous Engagement, Eastern Region
Conseiller principal, Engagement communautaire et autochtone, Région de l'Est

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Line-item attachment 9.60

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Stantec Consulting Ltd.
100-300 Hagey Boulevard, Waterloo ON N2L 0A4

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May 2, 2023

Missisaugas of Scugog Island First Nation

SENT VIA EMAIL

Reference: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Project Amendment

On September 1, 2021, Enbridge Gas Inc. ("Enbridge Gas" or the "Company") circulated a Notice of Study Commencement and Virtual Open House for the proposed Bobcaygeon Community Expansion Project, which would supply the community with affordable natural gas (the "Project"). The Project will be located in the City of Kawartha Lakes and Township of Cavan-Monaghan. As part of the planning process, Enbridge Gas retained Stantec Consulting Ltd. ("Stantec") to undertake an Environmental Study for the Project. The Environmental Study fulfilled the requirements of the Ontario Energy Board's ("OEB") "*Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)*"[1].

On June 9, 2021, the proposed Bobcaygeon Community Expansion Project ("Project") was approved to receive funding assistance as part of Phase 2 of the Government of Ontario's Natural Gas Expansion Program, which provides financial support to help utilities expand natural gas distribution in communities that are not currently connected to the natural gas system.

On May 2, 2022, Enbridge Gas applied to the OEB pursuant to section 90(1) of the Ontario Energy Board Act, S.O. 1998, c. 15, Schedule B, for an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities for which the Company sought OEB approval consisted of:

(i) A Supply Lateral:
- Approximately 25 km of Nominal Pipe Size ("NPS") 6-inch extra high pressure ("XHP") steel ("ST") natural gas distribution pipeline.
- Approximately 2 km of NPS 6-inch high pressure polyethylene ("HPPE") natural gas distribution pipeline.
- Approximately 1 km of NPS 6-inch high pressure ("HP") ST natural gas distribution pipeline.

(ii) Eastern Reinforcement
- Approximately 13 km of NPS 6-inch XHP ST natural gas pipeline.

Enbridge Gas subsequently filed three requests for abeyance of the aforementioned application on July 5, 2022, October 31, 2022, and February 28, 2023, in order to update and interpret the results of the market analysis and surveys for the Project to provide an appropriate basis for the customer attachment forecasts filed in support of the application. The OEB confirmed on March 3, 2023, that they will continue to hold the application in abeyance until June 30, 2023.

The purpose of this letter is to inform you that Enbridge Gas is proposing to file an updated application with the OEB no later than June 30, 2023, seeking an order granting leave to construct natural gas pipelines and facilities in the community of the City of Kawartha Lakes (including Bobcaygeon). The specific pipeline facilities for which the Company is seeking OEB approval consists of the aforementioned Supply Lateral and Eastern Reinforcement; however, the Eastern Reinforcement has since been reduced

[1]The OEB Released the 8th Edition of the Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario in March 2023, after the initiation, consultation and finalization of the Bobcaygeon Community Expansion Project and associated Environmental Report.

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to approximately 8 km of NPS 6-inch XHP ST natural gas pipeline. There is no change to the proposed Supply Lateral. Please see the attachment (Figure 1) for the updated map of the Project.

Stantec has reviewed the updated Project scope, as outlined above, in comparison to the information presented in the 2021 Environment Report and have determined that the updated Project scope is sufficiently covered in the Environmental Report, and that no adjustments or revisions to the Environmental Report are necessary.

If you have questions or comments regarding the Bobcaygeon Community Expansion Project, please do not hesitate to contact the undersigned.

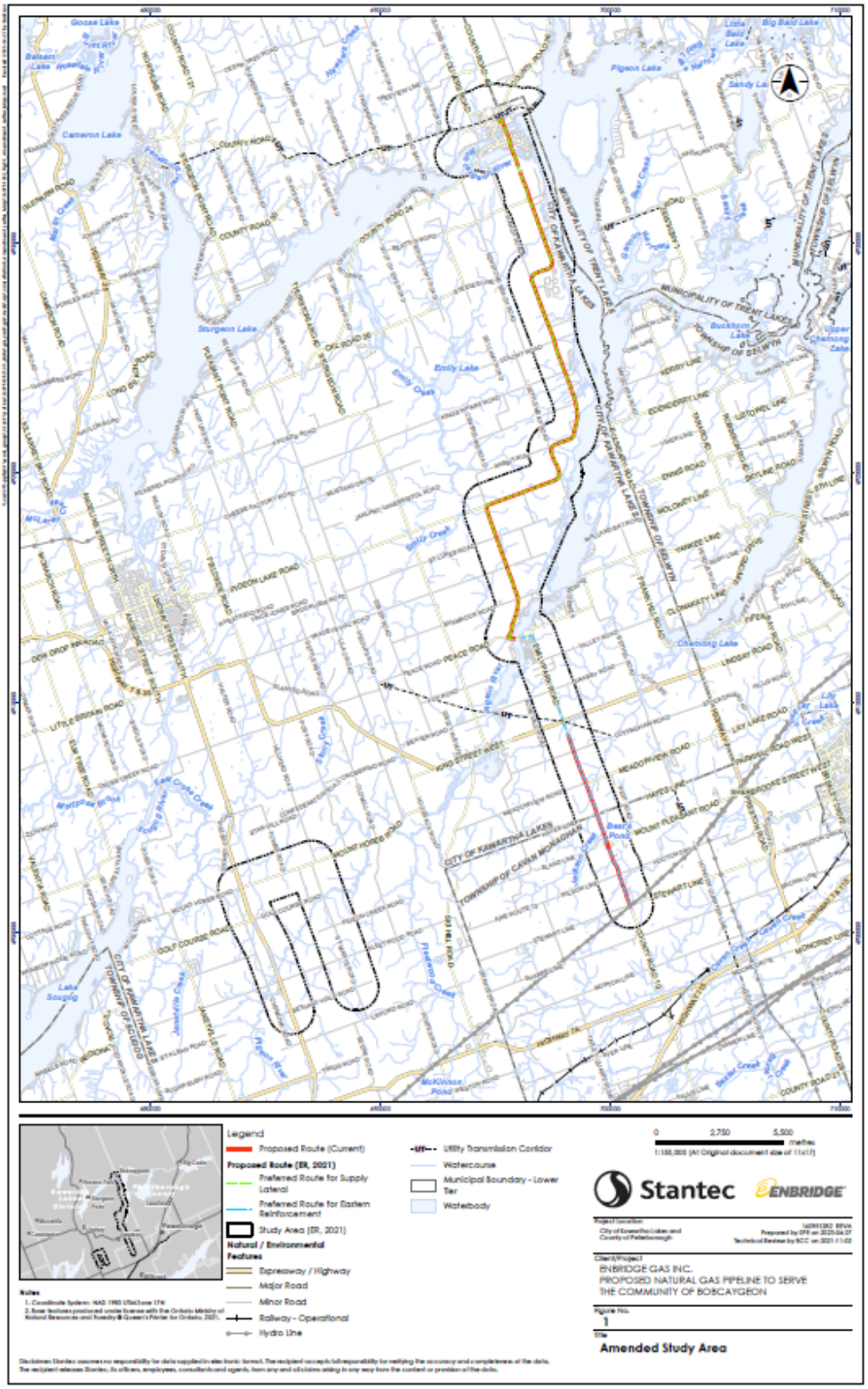
Yours truly,

Emily Hartwig
Stantec Consulting Ltd.
Environmental Consultant
Phone: 519 585 3849
BobcaygeonEA@stantec.com

Attachment: Figure 1 – Amended Study Area

c. Sarah Kingdon-Benson, Senior Advisor, Environment, Enbridge Gas Inc.

[1]The OEB Released the 8th Edition of the Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario in March 2023, after the initiation, consultation and finalization of the Bobcaygeon Community Expansion Project and associated Environmental Report.


Legend
Proposed Route (Current)
Proposed Route (ER, 2021)
Preferred Route for Supply Lateral
Preferred Route for Eastern Reinforcement
Study Area (ER, 2021)
Natural / Environmental Features
Expressway / Highway
Major Road
Minor Road
Railway - Operational
Hydro Line
Utility Transmission Corridor
Watercourse
Municipal Boundary - Lower Tier
Waterbody
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ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON
Amended Study Area

CONDITIONS OF APPROVAL

1. The OEB has developed standard conditions that are typically imposed in leave to construct approvals.[1] Enbridge Gas has reviewed these standard conditions and has not identified any additional or revised conditions that the Company wishes to propose for this Project.

[1] Standard conditions of approval are included in Schedule 1 of the OEB's standard issues list for leave to construct applications: https://www.oeb.ca/sites/default/files/issues-list-LTC-natural-gas.pdf