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**BFN Record of Consultation**

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**Batchewana First Nation - Mine Connector Project Record of Consultation**

Consultation Date	Consultation Activity	Michipicoten First Nation	Missanabe Cree First Nation	Garden River First Nation	Brunswick House First Nation	Metis Nation of Ontario	Red Sky Metis Independent Nation	Town of Dubreilville	Town of Wawa	Sault Ste Marie	
						Not included on the Consultation Delegation List					
May 28, 2024	Informal Meeting Request	Email correspondence between Chiefs									
June 25, 2024	Provide Environmental Assessment Report and Interim Project Description	Couriered to ██████████	Couriered to ██████████	Couriered to ██████████				Couriered to ██████████	Couriered to ██████████		
July 2-3, 2024	Open House, advertised on BFN website, also radio adverts on CJWA-FM							July 3, 2024	July 2, 2024		
July 16, 2024	Offer to Conduct Open House or Administrative Meeting	Couriered to ██████████	Couriered to ██████████	Couriered to ██████████							
August 12, 2024	Provide Additional Updated Environmental Assessment Information	Couriered to ██████████	Couriered to ██████████	Couriered to ██████████				Couriered to ██████████	Couriered to ██████████		
August 28, 2024	Email: Garden River FN Asking for meeting to discuss project			Email Correspondence requesting meeting Between Batchewana and Garden River							
September 16, 2024	Provide Environmental Assessment Fisheries Update, Maps and Field Notes	Couriered to ██████████	Couriered to ██████████	Couriered to ██████████				Couriered to ██████████	Couriered to ██████████		
October 9, 2024	Inquiry to the project via telephone	██████████									
October 9, 2024	Email Forwarded to BFN project Lead from Garden River First Nation meeting request			Email Correspondence ██████████							
October 10, 2024	Phone Call Project inquiry	██████████									
October 15, 2024	Provide Environmental Assessment Fisheries Update, Maps and Field, project description, assessment report and Notes	Couriered to ██████████									
October 23, 2024	Project inquiry discussion: Face to face meeting	ALAMOS office: BFN, MFN, ALAMOS									
					Consultation Delegation list						
October 10, 2024					Couriered to ██████████						
November 6, 2024					Meeting with ██████████ in Toronto						
November 14, 2024	Email	Email Coorespondence with the two chiefs									
November 19, 2024	Telephone & follow-up email			Dates set for First Nations Technical meeting held in Batchewana on December 10th 2024 and two Community Open houses first on December 17th and Second one January 2025 (Had to reschedule to the New Year)	Facilitating the open houses dates and technical meeting						
November 21, 2024					Attept to coordinate dates for the technical and open house meetings						
December 4-5, 2024	Open House, advertised on BFN website, BFN Newsletter, also radio adverts on CJWA-FM							December 5, 2024	December 4, 2024		
					Informed that new Chief and Council has been elected						
December 9, 2024				Meeting with ██████████ to discuss the project and dates for the open house in the community							
December 11, 2024	Open House, advertised as posters, on BFN website, BFN Newsletter									Batchewana First Nation- Delta Hotel	



Confirmation



[Redacted]

[Redacted]

[Redacted]

[Redacted]

Station	Date Range	Time Range	Len	Schedule	Repeated	Rate	Qty	Total	
1	CJWA-FM	06/24/2024-06/30/2024	06:00:00-22:00:00	01:30	0,6,6,6,6,8,8		22.00	40	880.00
2	CJWA-FM	07/01/2024-07/02/2024	06:00:00-18:00:00	00:30	10,10,0,0,0,0,0	All Weeks	10.00	20	200.00
<b>Total</b>									<b>1080.00</b>

HST#863484242

Projected Billing	Count	Gross	Net	
June	2024	40	880.00	880.00
July	2024	20	200.00	200.00
		<b>60</b>	<b>1080.00</b>	<b>1080.00</b>

Open Houses on December 4 and 5, 2024 were also advertised on radio. Spot tapings available on request

Customer \_\_\_\_\_ Sales Person \_\_\_\_\_



**BATCHEWANA FIRST NATION OF OJIBWAYS**

*Rankin Reserve 15D - Goulais Bay Reserve 15A- Obadjiwan Reserve 15E - Whitefish Island 15*

Administrative Office: Rankin Reserve 15D  
236 Frontenac Street  
Batchewana First Nation, ON  
P6A 6Z1  
PH: (705) 759-0914 / FAX: (705) 759-9171  
www.batchewana.ca

**Public Notice of Open House Meetings**

1000757443 LP, a business venture between Batchewana First Nation and Alamos Gold will be holding Open Houses on **December 4th in Wawa, at the Royal Canadian Legion Branch 429, 51 Broadway Avenue from 6:00 – 8:00 PM** and **on December 5th in Dubreuilville at the Town Offices, 23 Pine Street from 6:00 – 8:00 PM.**

The purpose of these meetings is to allow the public the opportunity to learn about a proposed 115 kilovolt transmission line that will provide power to the Island Gold and Magino Gold sites. This project will allow for expansion at both mine sites and will provide long-term reliable grid connected power that will eliminate the use of fossil fuel generated power at Magino Gold.

These Open Houses are being held in compliance with the Ontario Ministry of the Environment, Conservation and Parks Class Environmental Assessment for Minor Transmission Projects. The Notice of Commencement was filed with the Ministry on June 21, 2024, and we are looking to gather public input into the Class Environmental Assessment and to provide an overall update on the project from an engineering and design perspective.

There will be representatives of the environmental consulting firm Azimuth Environmental, Batchewana First Nation, Alamos Gold and Bestech Engineering who will be present to answer your questions and to record any comments you might have about the project.



# OPEN HOUSE

## >>> ANNOUNCEMENT <<< Merchant Line 115kv Project

### Locations:

**Township of Dubreuilville: on December 5th, 2024 6-8pm**

**Location: Town Hall**

**Address: 23 Pine Street, Dubreuilville, ON**

**Municipality of WAWA: on December 4th 2024 6-8pm**

**Location: Legion**

**Address: 51 Broadway Ave, Wawa, ON POS 1K0**

**City of Sault Ste Marie: December 11th 2024 6-8pm**

**Location: Delta Hotel**

**Address: 208 St. Mary's Dr, Sault Ste Marie**



ALAMOS GOLD INC.

**For more information contact:**



OPEN HOUSE  
ANNOUNCEMENT  
115 KV MERCHANT TRANSMISSION LINE  
COMPLETION OF CLASS ENVIRONMENTAL ASSESSMENT  
IN SUPPORT OF  
ALAMOS GOLD ISLAND DISTRICT GOLD MINE

BATCHEWANA FIRST NATION IS PLEASED TO ANNOUNCE A PROJECT INITIATIVE OF WITH ALAMOS GOLD IN SUPPORT OF THE EXPANSION OF ISLAND DISTRICT GOLD MINE.

OPEN HOUSE TO TAKE PLACE:  
WEDNESDAY DECEMBER 11, 2024  
6:00 – 8:00 PM  
DELTA HOTEL, 208 ST. MARY'S DRIVE

COME OUT AND LEARN ALL ABOUT THE PROJECT, SPEAK WITH REPRESENTATIVES OF BATCHEWANA FIRST NATION AND ALAMOS GOLD AND GET INFORMATON FROM THE CONSULTING TEAMS WORKING ON THIS VERY IMPORTANT REGIONAL PROJECT.

EVERYONE WELCOME

REFRESHMENTS PROVIDED.



ALAMOS GOLD INC.

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## **Public Meetings Information**

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### Public Meetings

Public meetings (Open Houses) occurred between July 2, 2024 and January 30, 2025 to inform the public and other interested parties on the Mine Connector Merchant Transmission Line project. The locations and dates of these meetings are provided in the table below.

<b>Date of Public Meeting</b>	<b>Location</b>
July 2 2024	Wawa
July 3 2024	Dubreuilville
December 4 2024	Wawa
December 5 2024	Dubreuilville
December 11 2024	Sault St. Marie
January 28 2025	Sault St. Marie (Garden River)
January 30 2025	Sault St. Marie (Rankin)

A summary of the Class EA process and identification of a preferred solution was presented via an electronic presentation and/or story boards. Representatives from parties involved on the project (*e.g.*, Azimuth, Bestech, Alamos, BFN) attended the meetings to provide additional information and answer questions. The sign in sheets and submitted public comment forms are provided below. The January 28, 2025 sign in sheet was not included in this document as no interested parties attended the meeting.





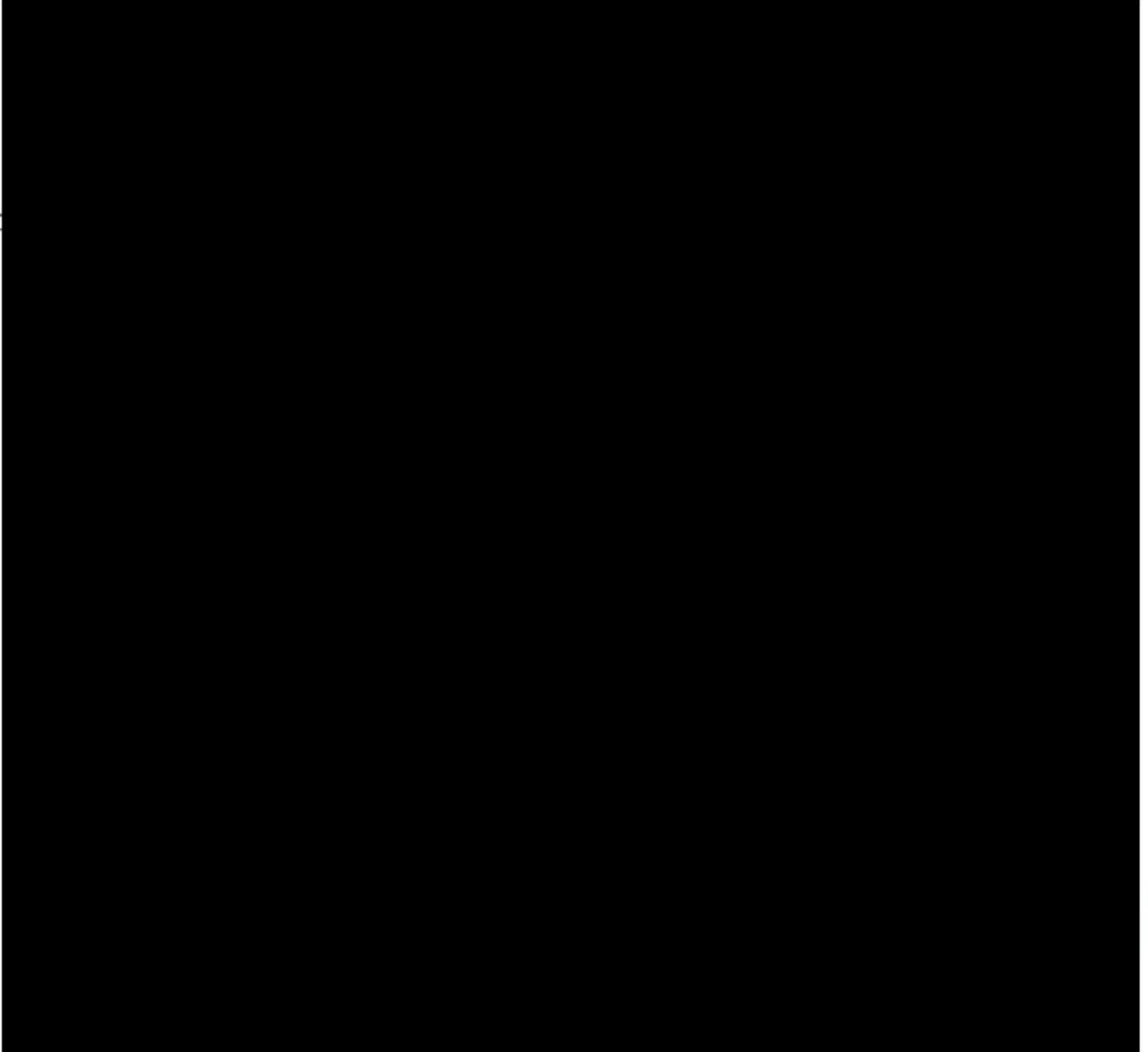




**Mine Connector Merchant Transmission Line Project**  
**A First Nation Class EA Project**

**Open House**  
**December 11, 2024**

**Sign In Sheet**





# Mine Connector Merchant Transmission Line Project

## A First Nation Class EA Project

Open House  
December 4, 2024

### Public Comment Form

Please complete this comment form and leave in the comment form box or with Azimuth staff in attendance.

**1. What is your interest in this study?**

Affected Landowner \_\_\_\_\_ Interested Citizen \_\_\_\_\_  
Interested Group Member \_\_\_\_\_ Government Representative \_\_\_\_\_  
First Nation Batchewana \_\_\_\_\_ Other (please specify) \_\_\_\_\_

**2. Do you have any concerns regarding the location of any of the alternative transmission line routes?**

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**3. Do you have any concerns regarding the selection of the preliminary preferred route and how it may affect your property, livelihood, and/or traditional land use?**

protect Mother Earth as much as needed

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(Please complete other side of form)

4. Do you have any concerns regarding the construction of the proposed transmission line?

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5. Do you have any other concerns about the project that you would like to bring to our attention?

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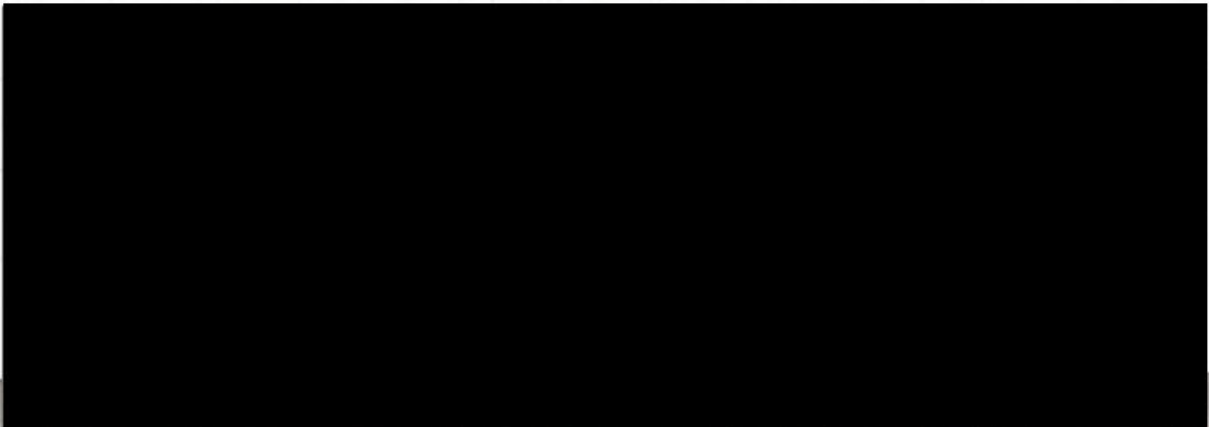
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6. Do you want us to contact you to discuss your concerns?

Yes \_\_\_\_\_ No, adequately addressed at meeting \_\_\_\_\_



7. Do you want to receive a copy of the Class EA Report that will be submitted to the Ministry of Environment, Conservation and Parks for review?

Yes \_\_\_\_\_ No \_\_\_\_\_

(If yes ensure complete mailing address completed above)

8. Do you want your contact information on this comment form kept confidential?

Yes \_\_\_\_\_ No  \_\_\_\_\_

**Mine Connector Merchant Transmission Line Project**  
**A First Nation Class EA Project**

**Open House**  
**December 4, 2024**

**Public Comment Form**

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Please complete this comment form and leave in the comment form box or with Azimuth staff in attendance.

---

**1. What is your interest in this study?**

Affected Landowner \_\_\_\_\_ Interested Citizen   X   \_\_\_\_\_  
Interested Group Member \_\_\_\_\_ Government Representative \_\_\_\_\_  
First Nation \_\_\_\_\_ Other (please specify) \_\_\_\_\_

**2. Do you have any concerns regarding the location of any of the alternative transmission line routes?**

  No   \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**3. Do you have any concerns regarding the selection of the preliminary preferred route and how it may affect your property, livelihood, and/or traditional land use?**

  No   \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(Please complete other side of form)

4. Do you have any concerns regarding the construction of the proposed transmission line?

*None at all*

5. Do you have any other concerns about the project that you would like to bring to our attention?

*We need the powerline as soon as possible. This line will bring much needed electrical capacity to our region and communities*

6. Do you want us to contact you to discuss your concerns?

Yes

No, adequately addressed at meeting



7. Do you want to receive a copy of the Class EA Report that will be submitted to the Ministry of Environment, Conservation and Parks for review?

Yes

No

(If yes ensure complete mailing address completed above)

8. Do you want your contact information on this comment form kept confidential?

Yes

No

**Mine Connector Merchant Transmission Line Project**  
**A First Nation Class EA Project**

**Open House**  
**Jan 30, 2025**

**Public Comment Form**

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Please complete this comment form and leave in the comment form box or with Azimuth staff in attendance.

---

**1. What is your interest in this study?**

Affected Landowner \_\_\_\_\_ Interested Citizen \_\_\_\_\_  
Interested Group Member \_\_\_\_\_ Government Representative \_\_\_\_\_  
First Nation ✓ \_\_\_\_\_ Other (please specify) \_\_\_\_\_

**2. Do you have any concerns regarding the location of any of the alternative transmission line routes?**

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Great Presentation Display

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**3. Do you have any concerns regarding the selection of the preliminary preferred route and how it may affect your property, livelihood, and/or traditional land use?**

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(Please complete other side of form)

**4. Do you have any concerns regarding the construction of the proposed transmission line?**

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**5. Do you have any other concerns about the project that you would like to bring to our attention?**

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**6. Do you want us to contact you to discuss your concerns?**

Yes \_\_\_\_\_ No, adequately addressed at meeting \_\_\_\_\_

**If yes, please provide your full mailing address, telephone number, and/or email so we can contact you.**

Name - \_\_\_\_\_

Address - \_\_\_\_\_

Telephone - \_\_\_\_\_

Email - \_\_\_\_\_

**7. Do you want to receive a copy of the Class EA Report that will be submitted to the Ministry of Environment, Conservation and Parks for review?**

Yes \_\_\_\_\_ No \_\_\_\_\_

(If yes ensure complete mailing address completed above)

**8. Do you want your contact information on this comment form kept confidential?**

Yes \_\_\_\_\_ No \_\_\_\_\_

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**Public Meetings Presentation**

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**Mine Connector Merchant Transmission Line  
First Nation Class EA  
Batchewana First Nation – Alamos Gold**



## Project Overview

- The proposed infrastructure is a 115kV transmission line
- Need - to support Island Gold and Magino mines long-term electrical power requirements
- Located north of Michipicoten River to the mine sites (15km south of Dubreuilville)
- Five Alternative Solutions were evaluated (4 routes, 1 “Do Nothing” approach)





## General Structure Requirements



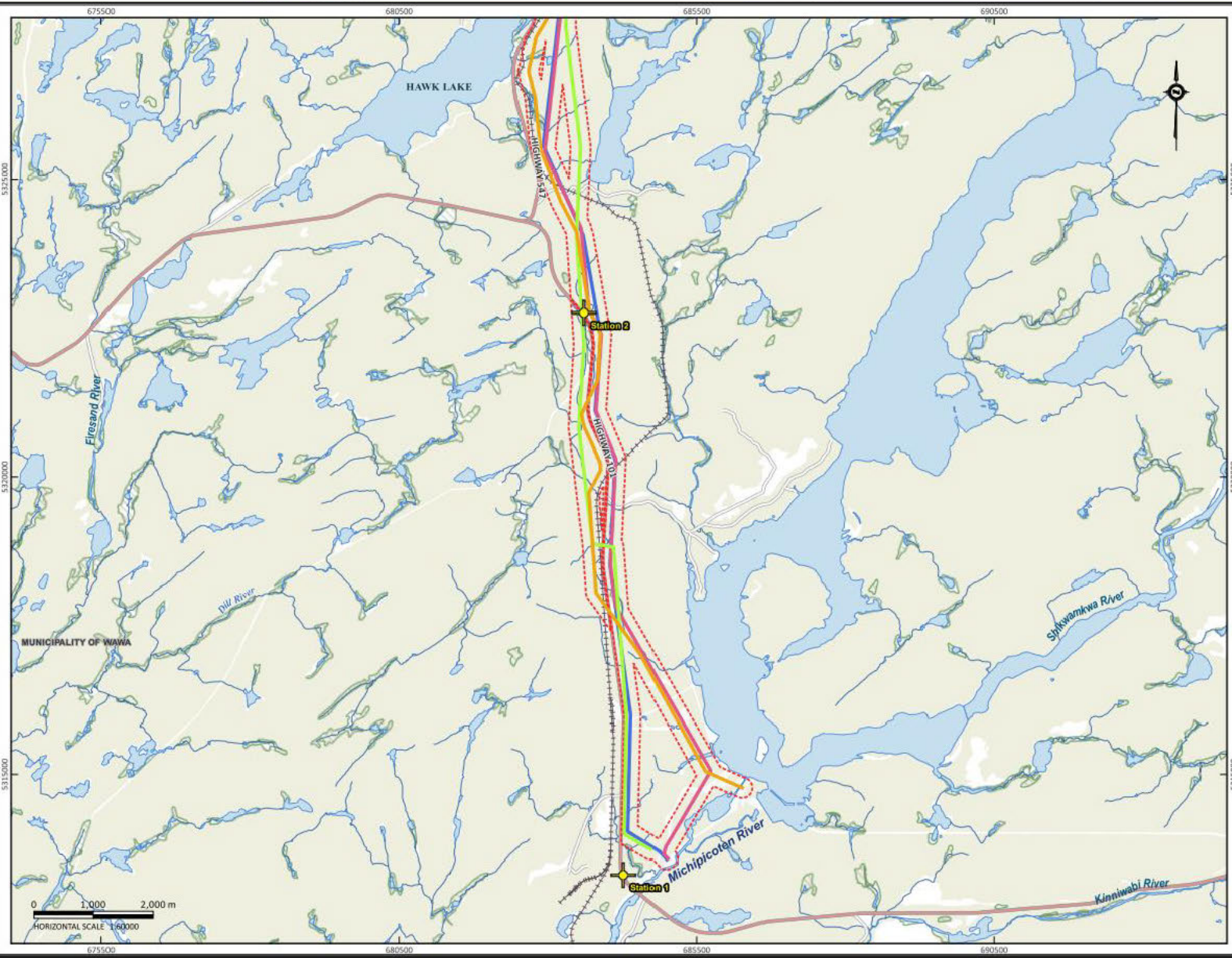
3 Pole Structure



Structure Spanning  
River



Monopole Structure



**LEGEND**

- Study Area
- Unevaluated Wetland
- Permanent Watercourse
- Waterbody
- Wooded Area
- Road
- Highway
- Rail
- + Stations

Proposed Alternative Solutions

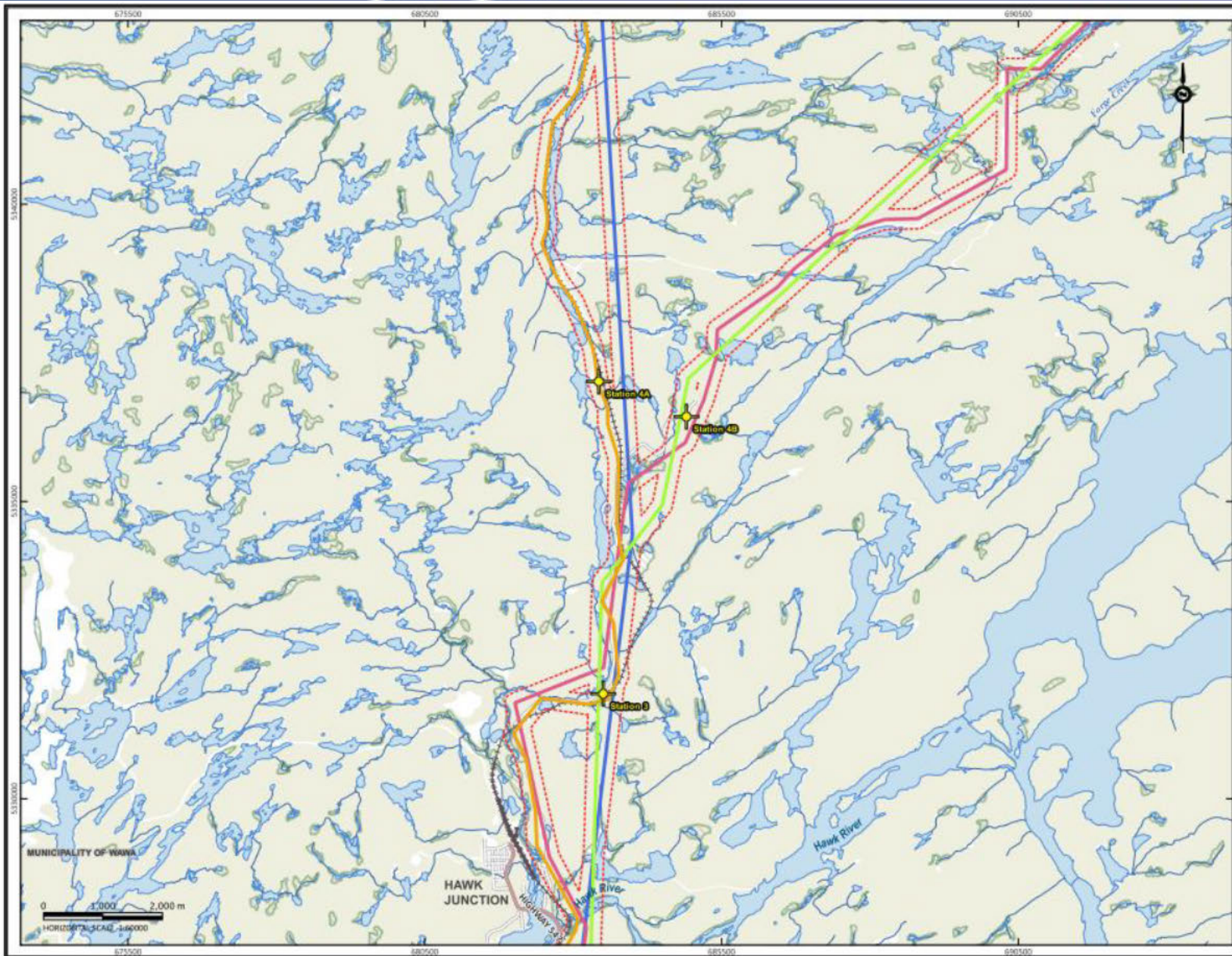
- Alternative Solution #1
- Alternative Solution #2
- Alternative Solution #3
- Alternative Solution #4



**AZIMUTH ENVIRONMENTAL CONSULTING, INC.**  
ENVIRONMENTAL ASSESSMENT & APPROVALS

<b>STUDY AREA</b>	
WAWA TRANSMISSION LINE WAWA, ON	
DATE ISSUED: FEBRUARY 2024	DRAWING NO.:
CREATED BY: A.L.	<b>1-01</b>
PROJECT NO: 23-02B	
BASE MAP: MNRP	



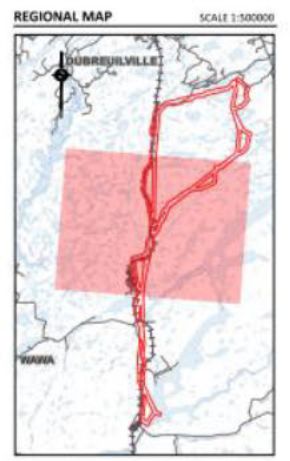


**LEGEND**

- Study Area
- Unevaluated Wetland
- Permanent Watercourse
- Waterbody
- Wooded Area
- Road
- Highway
- Rail
- Stations

**Proposed Alternative Solutions**

- Alternative Solution #1
- Alternative Solution #2
- Alternative Solution #3
- Alternative Solution #4

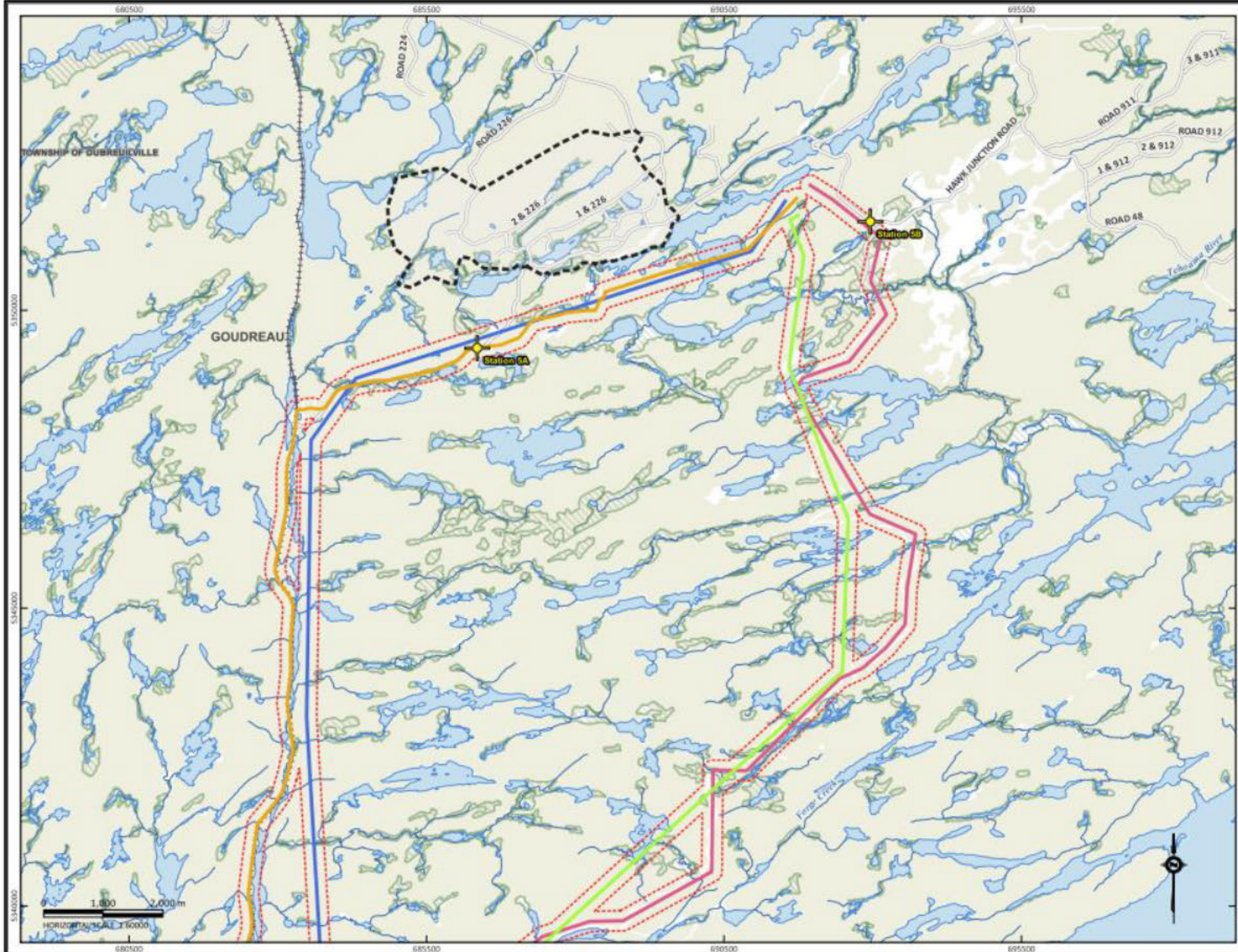


**AZIMUTH ENVIRONMENTAL CONSULTING, INC.**  
ENVIRONMENTAL ASSESSMENT & APPROVALS

**STUDY AREA**

WAWA TRANSMISSION LINE  
WAWA, ON

DATE ISSUED:	FEBRUARY 2024	DRAWING NO.:
CREATED BY:	A.L.	<b>1-02</b>
PROJECT NO.:	23-029	
BASE MAP:	MNP	



**LEGEND**

- Study Area (dashed red line)
- Unevaluated Wetland (green wavy pattern)
- Permanent Watercourse (blue line)
- Waterbody (light blue area)
- Wooded Area (yellow wavy pattern)
- Road (grey line)
- Rail (black line with cross-ticks)
- Stations (yellow star symbol)
- Mine Site (black square with cross-hatch)

**Proposed Alternative Solutions**

- Alternative Solution #1 (blue line)
- Alternative Solution #2 (red line)
- Alternative Solution #3 (yellow line)
- Alternative Solution #4 (green line)



**AZMUTH ENVIRONMENTAL CONSULTING, INC.**  
ENVIRONMENTAL ASSESSMENT & MONITORING

<b>STUDY AREA</b>		
WAWA TRANSMISSION LINE WAWA, ON		
DATE ISSUED:	FEBRUARY 2024	DRAWING NO.:
CREATED BY:	A.L.	<b>1-03</b>
PROJECT NO.:	23-026	
BASE MAP:	MFRP	



## Study Approach

Fieldwork focused on natural heritage features at pre-determined survey stations along the alternatives. Fieldwork included:

- Delineate vegetation communities using Central Ontario ELC
- Two plant inventories
- Evening calling amphibian survey
- Turtle visual encounter surveys
- Dawn breeding bird surveys
- A review of aquatic features and potential fish habitat
- Deploy wildlife camera's and conduct wildlife tracking
- Record incidental wildlife observations





ELC NAME	DESCRIPTION
G169N	Open Rock Barren
G164T	Rock Barren (Low Treed)
G142N	Mineral Meadow Marsh (Not Woody)
G136T	Sparse Treed Fen (Low Treed)
G194S	Mineral Thicket Swamp (Shrub)
G128T	Oligenic Intermediate Conifer Swamp (Tall Treed)
G128T	Oligenic Intermediate Conifer Swamp (Low Treed)
G670T	Moss, Coarse: Aspen - Birch Hardwood (Tall Treed)
G666T	Moss, Coarse: Cedar Conifer (Tall Treed)
G655T	Dry to Fresh, Coarse: Aspen - Birch Hardwood (Tall Treed)
G655T	Dry to Fresh, Coarse: Aspen - Birch Hardwood (Low Treed)
G652T	Dry to Fresh, Coarse: Spruce - Fir Conifer (Tall Treed)
G650T	Dry to Fresh, Coarse: Pine - Black Spruce Conifer (Tall Treed)
G650T	Dry to Fresh, Coarse: Pine - Black Spruce Conifer (Low Treed)
G612T	Very Shallow, Dry to Fresh: Pine - Black Spruce Conifer (Tall Treed)
G612T	Very Shallow, Dry to Fresh: Pine - Black Spruce Conifer (Low Treed)
DA	Disturbed Area



**LEGEND**

- Study Area
- Mapped Watercourse
- Waterbody
- Unevaluated Wetland
- Stations
- Turtle Survey

**Waterbody Crossings - Fish Habitat & Thermal Regime**

- Direct Coolwater

**ELC Communities**

- Upland ELC Communities
- Wetland ELC Communities

**Proposed Alternative Solutions**

- Alternative Solution #1
- Alternative Solution #3

**Potential Infrastructure Areas**

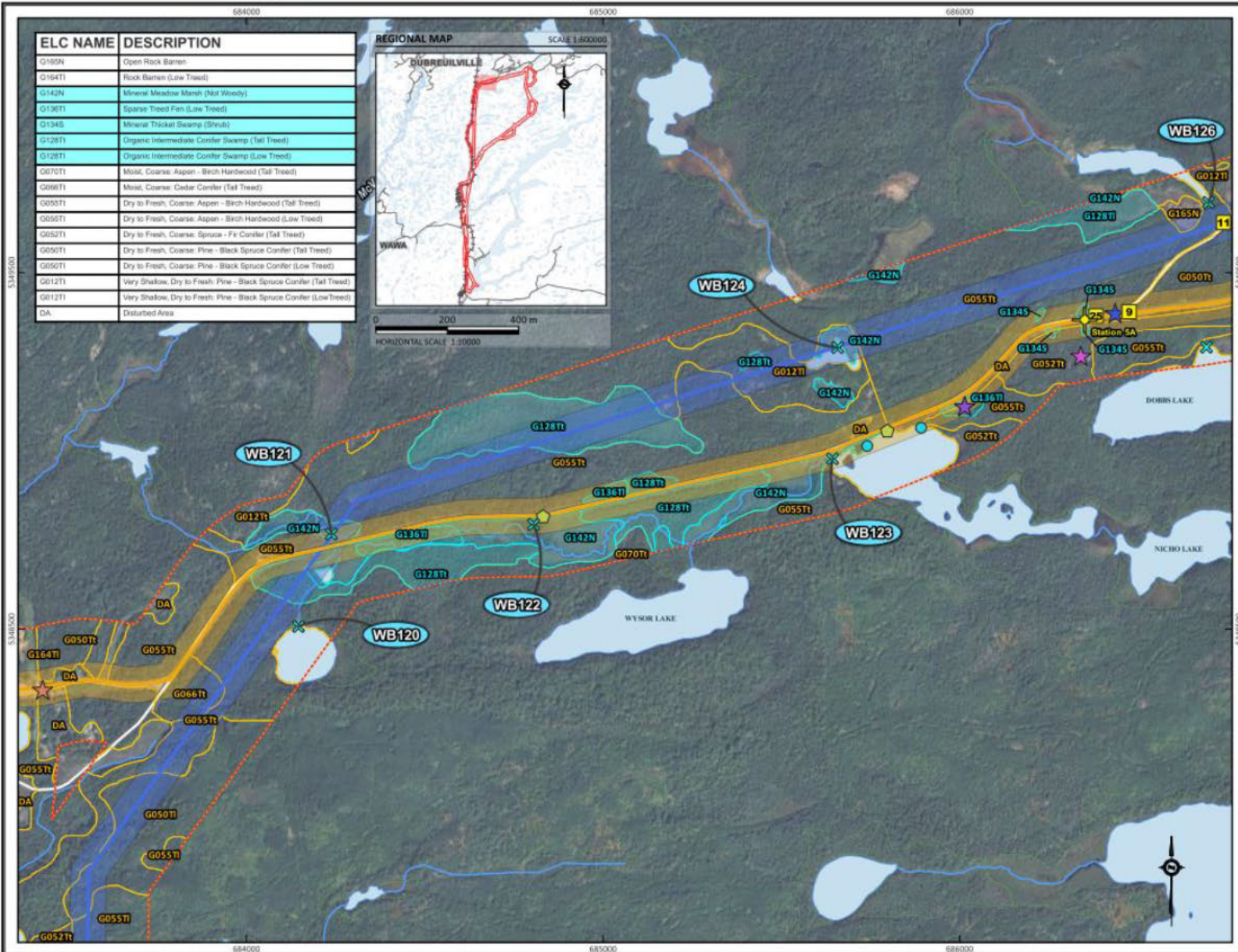
- Infrastructure Area #1
- Infrastructure Area #3
- Wildlife Camera Location

**Direct Wildlife Observations - I.e., Visual or Auditory Confirmation**

- Hermit Thrush
- Red Squirrel
- Sandhill Crane
- Spring Peeper
- Wood Frog

**Indirect Wildlife Observations - I.e., Tracks, Scat, Beaver Lodges**

- Beaver



**AZIMUTH ENVIRONMENTAL CONSULTING, INC.**  
WILDLIFE & ECOSYSTEMS SERVICES

**EXISTING CONDITIONS AND PROPOSED ROUTES**

WAWA TRANSMISSION LINE  
 WAWA, ON

DATE ISSUED: FEBRUARY 2024	DRAWING NO.:
CREATED BY: AL	<b>2-15</b>
PROJECT NO.: 23-028	
BASE MAP: MNRF	





## Hydrogeology

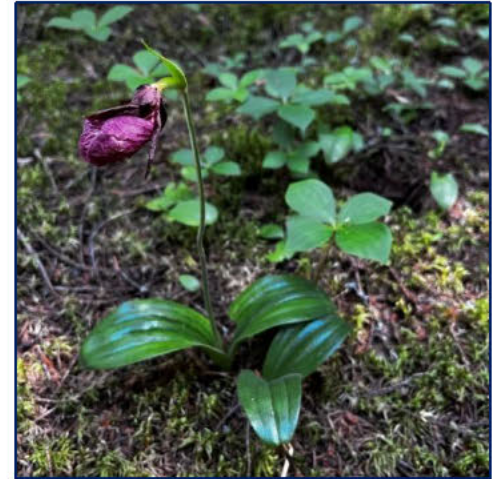
- Negligible impact as individual installations are small in area and near-surface so no changes to groundwater flow or flow direction
- Geology primarily shallow granular overburden over Precambrian bedrock, with organic deposits where drainage is poor
- Minimal influence as a parameter to compare Alternatives





## Vegetation Communities

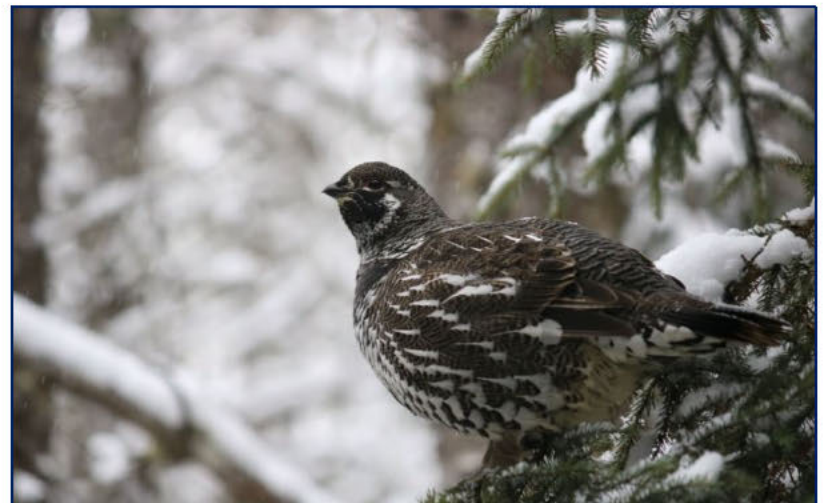
- 222 vascular plants species were identified
- 81% of species are considered native
- 51 vegetation communities were documented, with:
  - 25 forest communities
  - 23 wetlands communities
  - 2 rock barrens types
- No PSW is mapped within the study area
- Many woodland communities are in various states of regeneration following historical logging
- MNRF's NHIC database has a record for Spatulate Moonwort (S-Rank 3)





## Wildlife

- 66 bird species were identified, including SAR:
  - Canada Warbler
  - Wood Thrush
  - Evening Grosbeak
  - Rusty Blackbird
- Amphibians observed at survey stations, include:
  - Norther Spring Peeper
  - Wood Frog
  - Boreal Chorus Frog
- Eastern Gartersnake and Painted Turtle were observed





## Mammal Monitoring

Table A: Number of Wildlife Camera Image Captures and Documented Tracks

Wildlife Species	Number of Image Captures	Number of Tracks observed During Camera Deployment/Retrieval*
American Marten	1	6
Canada Lynx	3	1
Grey Wolf	23	16
Moose	2	n/a
Red Fox	11	17
Red Squirrel	n/a	16
River otter	n/a	2
Snowshoe Hare	1	29
Mouse sp.	n/a	9
Grouse sp.	n/a	4



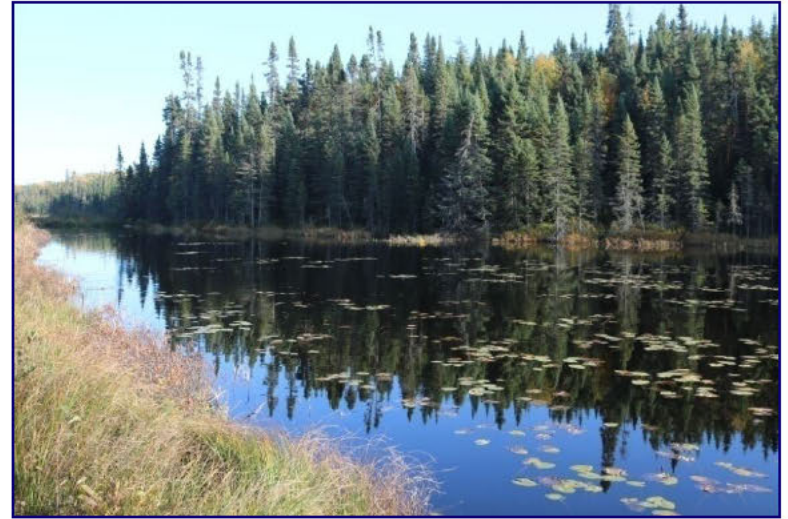
## Wildlife Camera Highlights





## Fish and Fish Habitat

- 130 waterbodies are located in the study area:
  - Alternative #1: 36 waterbody crossings
  - Alternative #2: 43 waterbody crossings
  - Alternative #3: 50 waterbody crossings
  - Alternative #4: 53 waterbody crossings
- Primarily Coldwater or coolwater habitat
- Considerations for waterbodies running parallel to an alternative occurred
  - E.g., McVeigh Creek run parallel to alternative #3 for 21km





## Species at Risk

Table B: Species at Risk with the potential to occur in the Regional Study Area.

Species	Provincial Status (ESA)	Federal Status (SARA)
Eastern Small-footed Myotis	END	No Status
Eastern Red Bat	END*	No Status
Hoary Bat	END*	No Status
Little Brown Myotis	END	END
Northern Myotis	END	END
Silver-haired Bat	END*	No Status
Tri-colored Bat	END	END
Blanding's Turtle	THR	END
Wood Turtle (low potential)	END	THR
Lesser Yellowlegs	THR	No Status
Short-eared Owl	THR	THR
Canada Warbler	SC	THR
Common Nighthawk	SC	THR
Eastern Whip-poor-will	SC*	THR
Evening Grosbeak	SC	SC
Olive-sided Flycatcher	SC	THR
Rusty Blackbird	SC	SC
Wood Thrush	SC	THR
Snapping Turtle	SC	SC

\*Indicates new status for species as of January 31, 2025; as indicated by MECP.



## Significant Wildlife Habitat

There are 18 SWH confirmed and/or have the potential to occur in the study area. Including:

- Denning Sites
- Rock Barrens
- Bat Maternity Colonies
- Waterfowl Nesting Area
- Amphibian Breeding Habitat
- Woodland Raptor Nesting Habitat
- Bald Eagle and Osprey Nesting Habitat

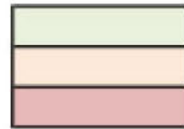




# Ranking Criteria

Criteria for Proposed Alternative Solutions	Alt. Sol. #1	Alt. Sol. #2	Alt. Sol. #3	Alt. Sol. #4	Alt. Sol #5 (Do Nothing)
Suitability for Mine's Needs*	Low Impact	Low Impact	Low Impact	Low Impact	High Impact
Public Safety**	Low Impact	Low Impact	Low Impact	Low Impact	Low Impact
Route Length	Low Impact	Moderate Impact	Low Impact	Low Impact	N/A
Pole Requirements	Low Impact	High Impact	High Impact	Low Impact	N/A
Pole Foundation Requirements	Moderate Impact	High Impact	High Impact	Low Impact	N/A
Access logistics	High Impact	Low Impact	Moderate Impact	Low Impact	N/A
<b>Summary of Ranking:</b>	<b>Acceptable</b>	<b>Least Preferred</b>	<b>Least Preferred</b>	<b>Preferred</b>	<b>Least Preferred</b>

Low Impact (Preferred Solution)  
 Moderate Impact  
 High Impact (Least Preferred Solution)

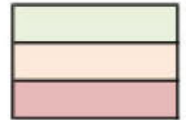




# Ranking Criteria

Criteria for Proposed Alternative Solutions	Alt. Sol. #1	Alt. Sol. #2	Alt. Sol. #3	Alt. Sol. #4	Alt. Sol. #5 (Do Nothing)
Fish/Fish Habitat Areas	Moderate Impact	Low Impact (Preferred Solution)	High Impact (Least Preferred Solution)	Moderate Impact	Low Impact (Preferred Solution)
SAR/SAR Habitat	Low Impact (Preferred Solution)	Low Impact (Preferred Solution)	Low Impact (Preferred Solution)	Low Impact (Preferred Solution)	Low Impact (Preferred Solution)
Candidate Significant Wildlife Habitat	Low Impact (Preferred Solution)	Low Impact (Preferred Solution)	Low Impact (Preferred Solution)	Low Impact (Preferred Solution)	Low Impact (Preferred Solution)
Extent of Forest Removal/Impact	Moderate Impact	High Impact (Least Preferred Solution)	Low Impact (Preferred Solution)	Moderate Impact	Low Impact (Preferred Solution)
Extent of Wetland Removal/Impact	Low Impact (Preferred Solution)	High Impact (Least Preferred Solution)	Moderate Impact	Low Impact (Preferred Solution)	Low Impact (Preferred Solution)
<b>Summary of Ranking:</b>	<b>Acceptable</b>	<b>Least Preferred</b>	<b>Least Preferred</b>	<b>Preferred</b>	<b>Least Preferred</b>

Low Impact (Preferred Solution)  
 Moderate Impact  
 High Impact (Least Preferred Solution)





## Preferred Alternative

### Alternative Solution #4:

- Shortest corridor (~43km)
- Lowest pole installation requirements
- Requirement for crib and/or rock blasting foundations are low
- Existing logging trails are available
- Minimizes woodland removal
- Reduces impacts to wetland





## Recommendations

- Worker training for SAR encounters
- Avoiding vegetation removal between March 5 and September 30 for:
  - Bat active period
  - Migratory breeding birds
  - Bald Eagle and Osprey Nesting
  - Woodland Raptor Nesting
  - Turtles
- Implementation of sediment and erosion controls

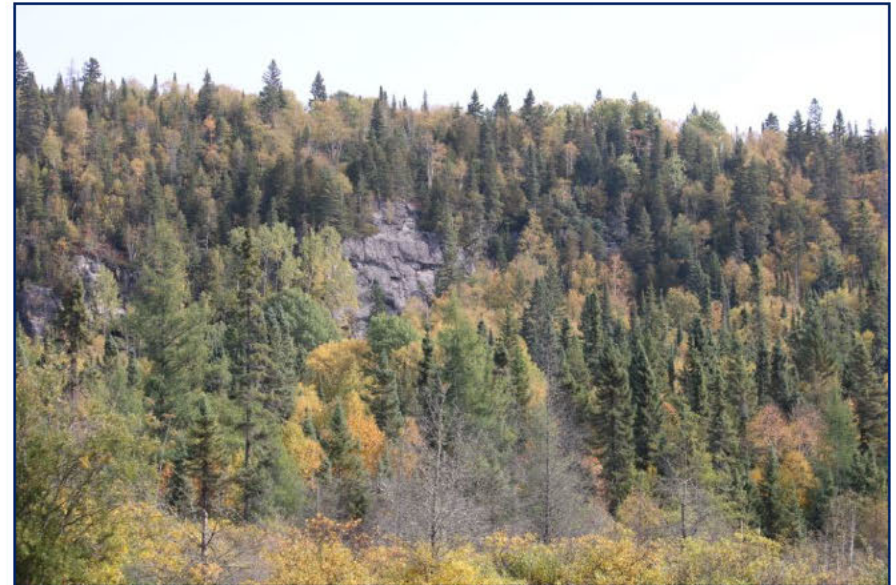




## Recommendations

Utilizing Best Management Practices and DFO's Code of Conduct while working within or near water, including:


- Minimizing riparian vegetation removal
- Following in-water timing windows
- Machinery maintenance/refueling >30m from NHF
- Utilize existing trails and crossing when possible
- Disposing material in a timely manner





## Design Engineering Optimization

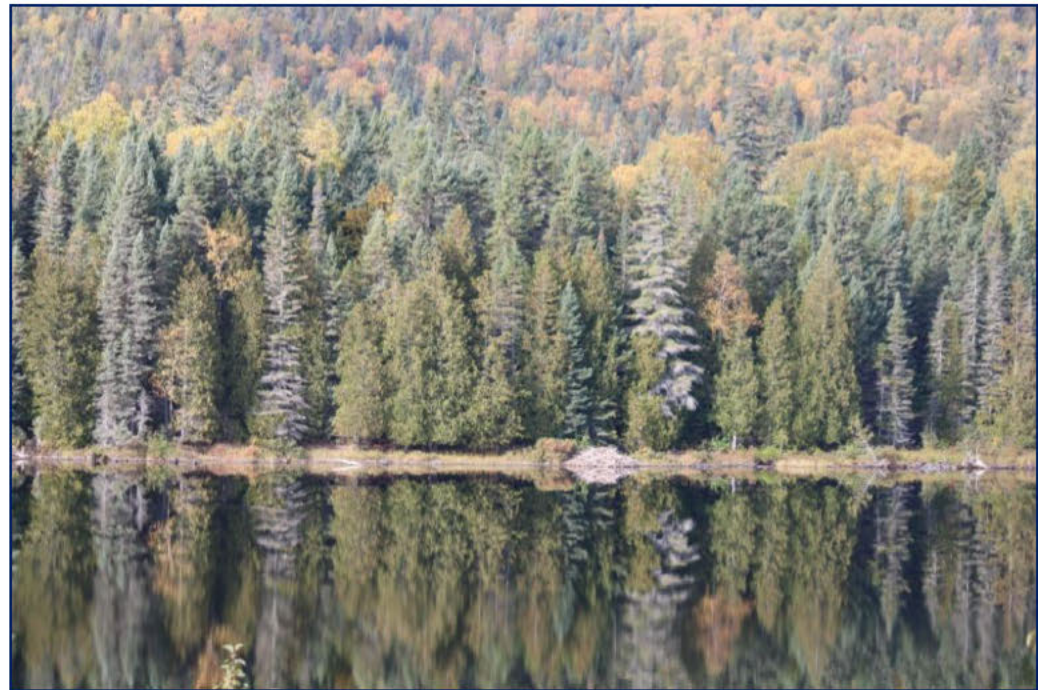
Route 4 will accommodate the following BMP's:

- No pole locations that are within water bodies
  - Minimizes locations associated with organic soils and avoid sensitive wetlands
  - Minimize use of crib foundations and rock blasting
  - Follows existing routes where possible
  - Minimize ROW width where possible
  - Bringing poles and installing line by air
- 
- Take advantage of existing trails, water crossings and access paths; creating significantly less disturbance
  - Access points designed to avoid wetland / water crossings



## Conclusion

- Alternative #4 is the preferred route
- Mitigation measures are anticipated to avoid negative impacts to NHF's and their ecological functions
- No fish or fish habitat are expected to be impacted negatively





Thank you!



Questions?



Comments?

