

APPENDIX K
COMMUNITY ENGAGEMENT MATERIALS

Proposed Wind Energy Project



A group of municipal electric utilities have come together to establish their own supply of

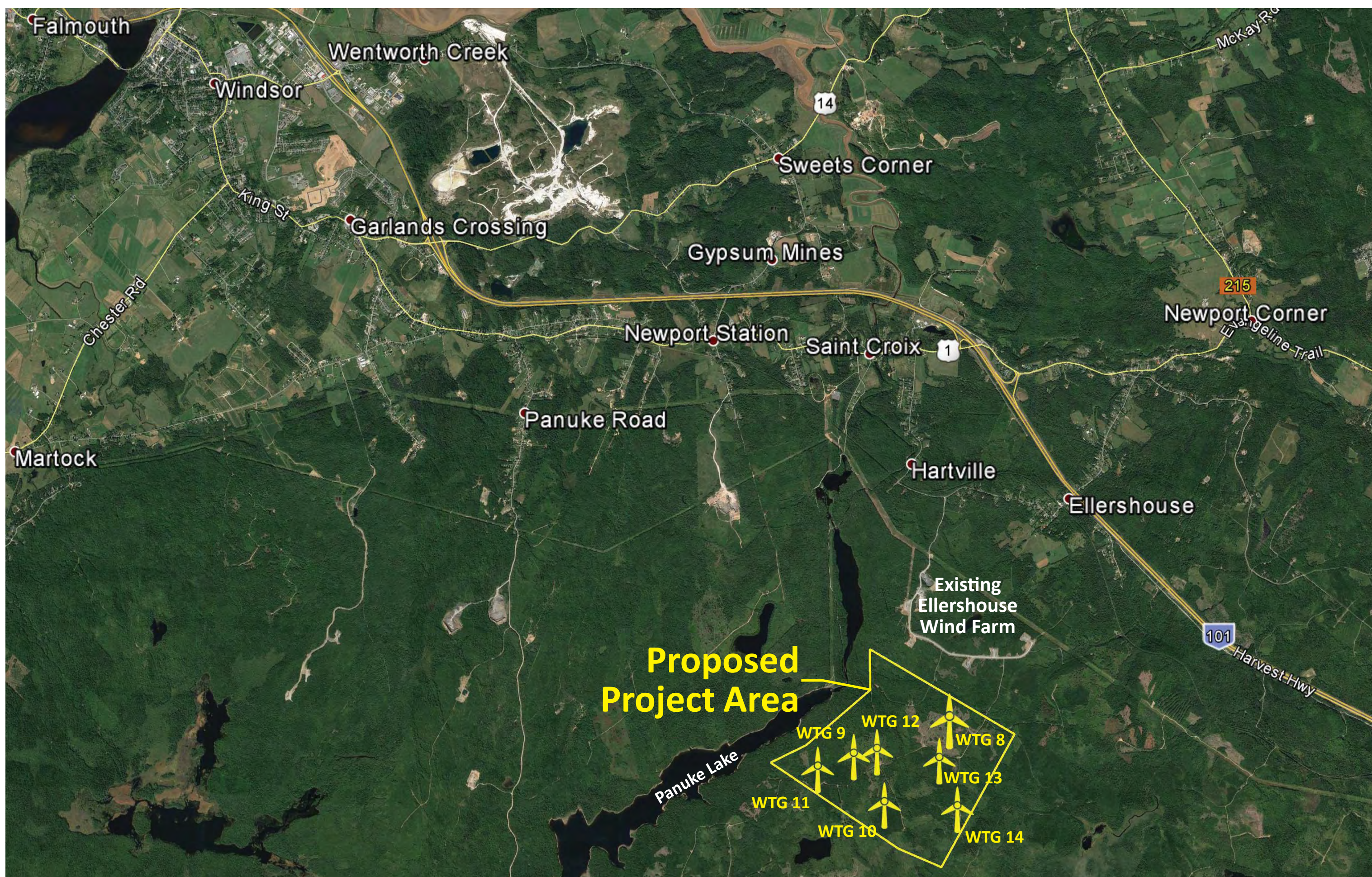
renewable electricity. Together, they are called the **Alternative Resource Energy Authority (AREA)**. AREA will own the project and has commissioned Minas Basin Pulp and Power to develop the project on its behalf.

Pending approvals from the Nova Scotia Department of Environment and the Municipal District of West Hants, the project could include the addition of 7 wind turbine generators at the existing Ellershouse Wind Farm.

Alternative
RESOURCE ENERGY AUTHORITY

When could construction begin?

Construction could start mid-2017 and electricity could be produced for the municipalities by late 2018.



Where will the project be located?

The proposed expansion will be located immediately south of the existing Wind Farm.

YOUR INPUT IS IMPORTANT TO US

You can contact Kris MacLellan at 902-229-0580, send an email to kris.maclellan@minasenergy.com, or visit our website at www.areans.ca.

Environmental Assessment Process



ENVIRONMENTAL ASSESSMENT:

- Is required by Nova Scotia Environment to ensure that a project's environment and safety effects are minimized.
- Identified environmental effects at an early stage in project development.
- Public consultation is an integral part of this process - the community is invited to comment on the Environmental Assessment during the review period.
- Review by Nova Scotia Environment and other relevant government agencies.
- Nova Scotia Minister of the Environment only provides approval once satisfied that environmental and safety effects will be minimized.



BASELINE STUDIES:

- Avifauna (Birds and Bats)
- General Wildlife
- Plants
- Wetlands
- Watercourses and Fish Habitat
- Groundwater and Geology
- Sound & Shadow Flicker
- Visual Aesthetics
- Cultural and Heritage Resources
- Socio-economic Conditions

Visual Assessment

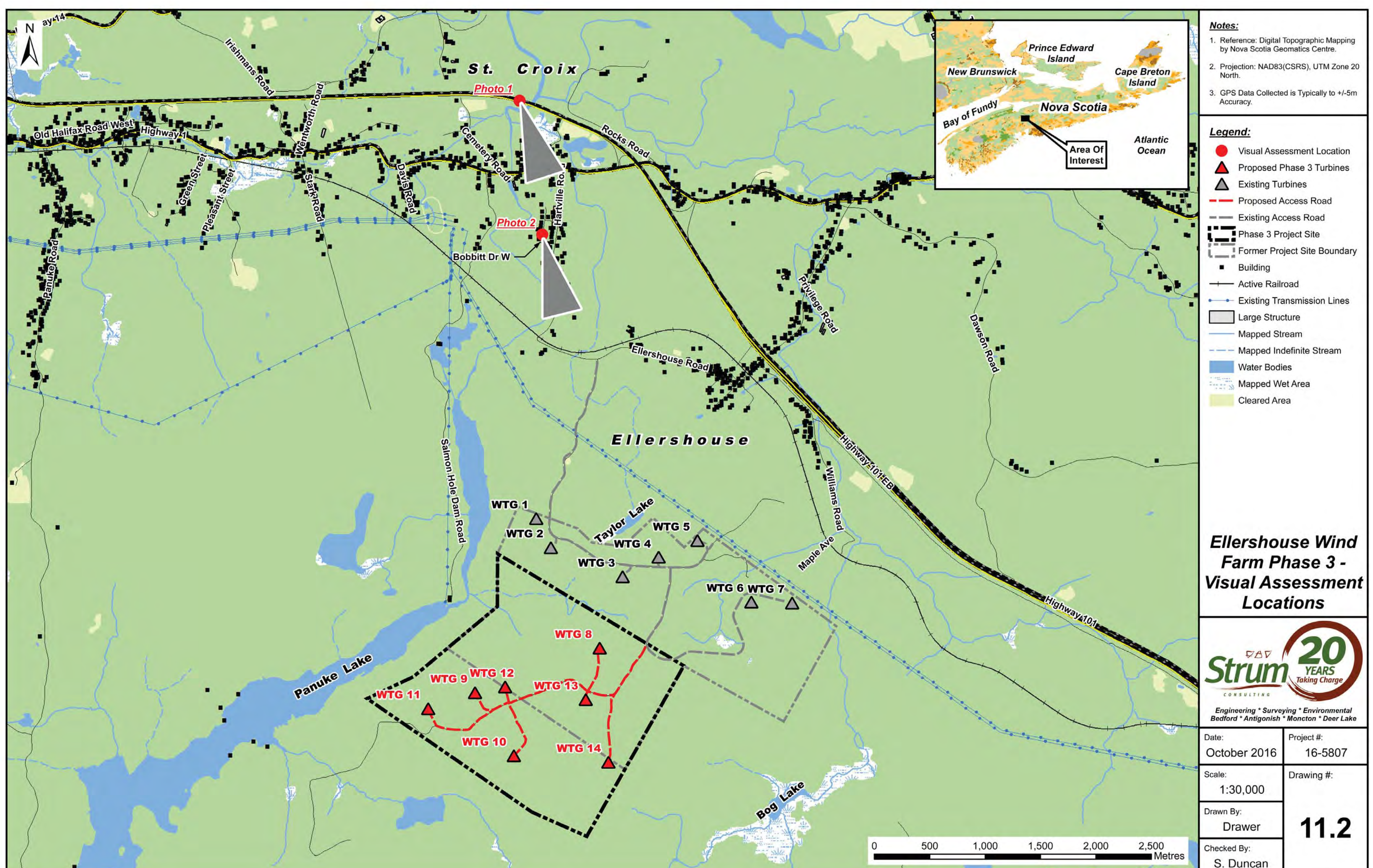


Photo 1—Looking southeast into the project site from Highway 101.

Here are two photomontages showing what the wind farm will look like from particular vantage points in the local area. A photomontage takes into account turbine dimensions, turbine locations, local topography, photo location and direction.



Photo 2— Looking southeast into the project site from Bobbitt Drive.



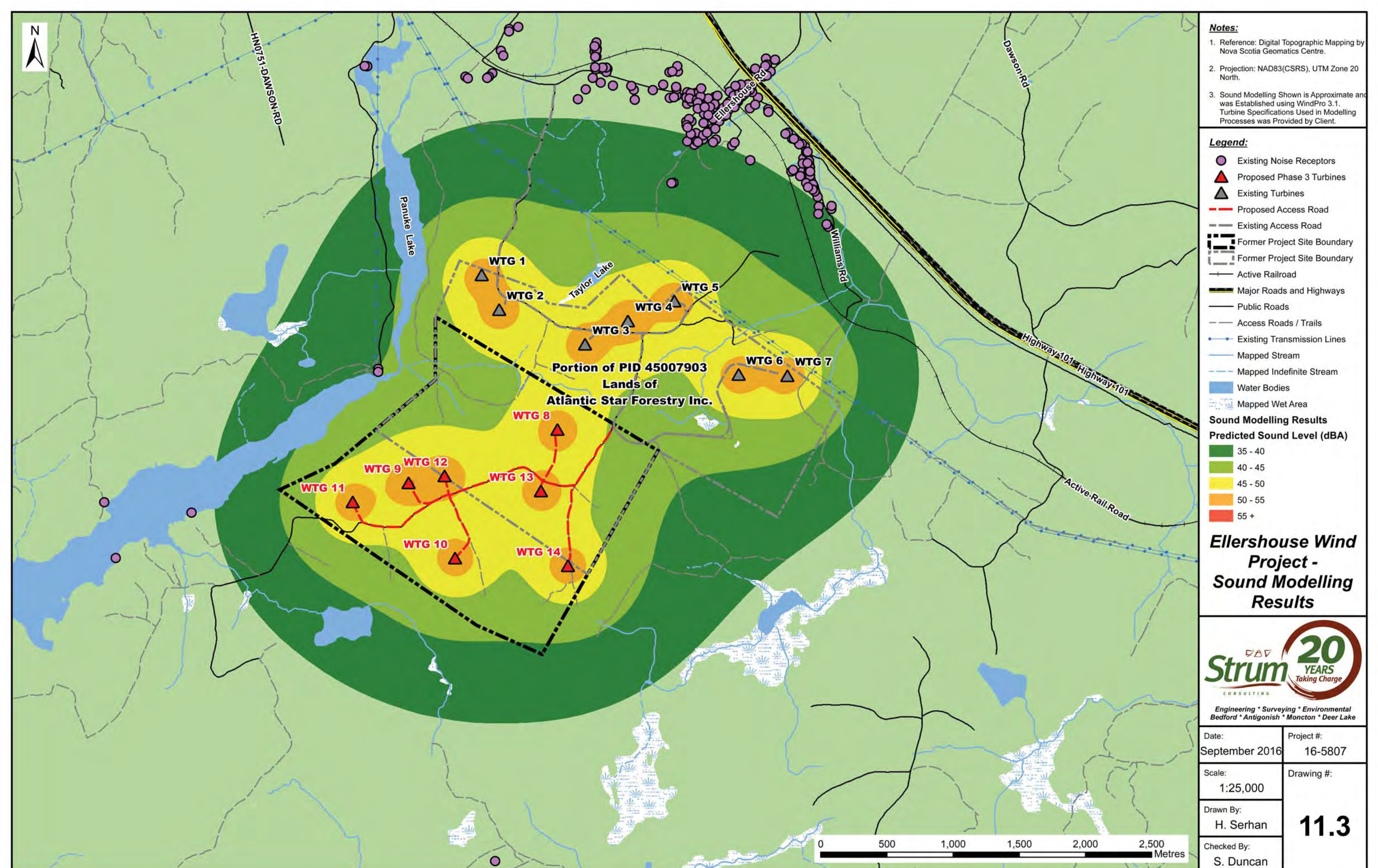
Environment, Health & Safety



SOUND MODELLING

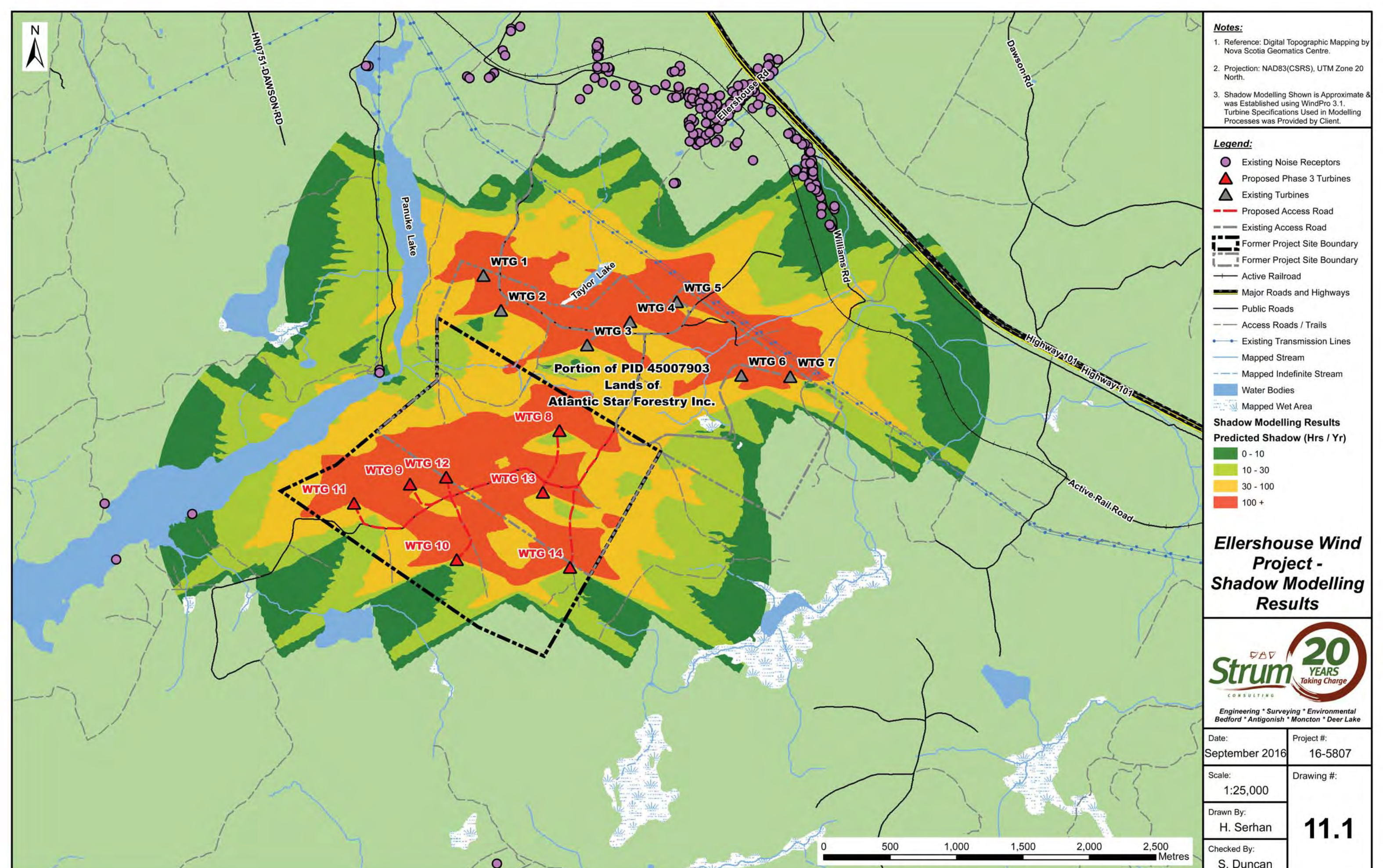
- Nova Scotia Environment requires sound level of no more than 40dBA outside a home.
- 40dBA is equivalent to the sound of a quiet library.
- Modelling results show that all residences fall below 40dBA, majority below 35dBA.
- Sound monitoring will be conducted pre and post-construction.

Source	Sound Pressure Levels
Freight Train	70 dBA
Highway	70 dBA
Wind in Trees	55 dBA
Average Home	50 dBA



SHADOW FLICKER—moving shadows cast by rotating turbine blades.

- Occurs under very specific conditions.
- Government standard max 30 hrs/year and 30 mins/day.
- Model shows residences in compliance with standard, majority below 10 hrs/year.



Wind Energy Benefits



ENERGY

- ⇒ Nova Scotia has set renewable electricity targets of 25% by 2015 and 40% by 2020. This project will help municipal utilities achieve this goal.
- ⇒ Wind is a valuable emission-free resource; nature provides it and it is 100% renewable.

ECONOMIC DEVELOPMENT

- ⇒ The project will enhance the community's economic development by providing additional tax revenue to West Hants (between \$60,000-\$100,000 annually).
- ⇒ The project will also create construction jobs and increase demand for local supplies and services, such as food and lodging.

EDUCATION

- ⇒ A renewable energy project in a community allows residents to gain a detailed understanding of how wind turbine generators work and how wind power can help us reduce our reliance for fossil fuels.



Project team members are available to answer your questions.

Community Engagement



COMMITMENT TO ENGAGE

We are committed to listening to and engaging the community.

Community members will play leading roles with early activities including:

- Providing key information about the local area.
- Helping develop a list of local businesses and services.
- Naming the project and designing the logo.
- Nominations for the Community Liaison Committee



If you are interested in joining our Community Liaison Committee, please let us know!

The Community Liaison Committee:

- ⇒ Serves as a link between the community and the development team
- ⇒ Brings local ideas, concerns, and interests to the table
- ⇒ Represents landowners, residents, business-people, and community groups

If you are interested in joining the CLC or know of a good candidate, please contact Kris MacLellan at 902-229-0580 or kris.maclellan@minasenergy.com.

Visit our website to learn more at www.areans.ca



ELLERSHOUSE

WIND FARM



Open House, November 1st, 6:00pm – 8:00pm

AREA will be submitting an Environmental Assessment application for seven additional turbines south of the existing Ellershouse Wind Farm site. Minas Energy will be hosting an open house to discuss the project permitting process and the studies that have been undertaken. That open house will take place at the Ellershouse Community Hall, 429 Ellershouse Road, from 6:00pm to 8:00pm, Tuesday November 1st. All are welcome, light refreshments and snacks will be provided.

If you have any additional questions about the project, please contact kris.maclellan@minasenergy.com (902-229-0580)

Construction Update

The construction of three turbines this summer was a great success. At the time of writing this letter, all three turbines have been successfully erected and are awaiting energization and commissioning. We expect all three turbines to be operational in December, 2016.



Drone photo taken above the hamlet

We Want To Hear From You

If you have any questions or concerns about the wind farm, please do not hesitate to contact us. It is our job to ensure residents have access to all available information.

**Kris MacLellan – Energy Project
Coordinator, Minas Energy**

902-229-0580

kris.maclellan@minasenergy.com

Important Dates

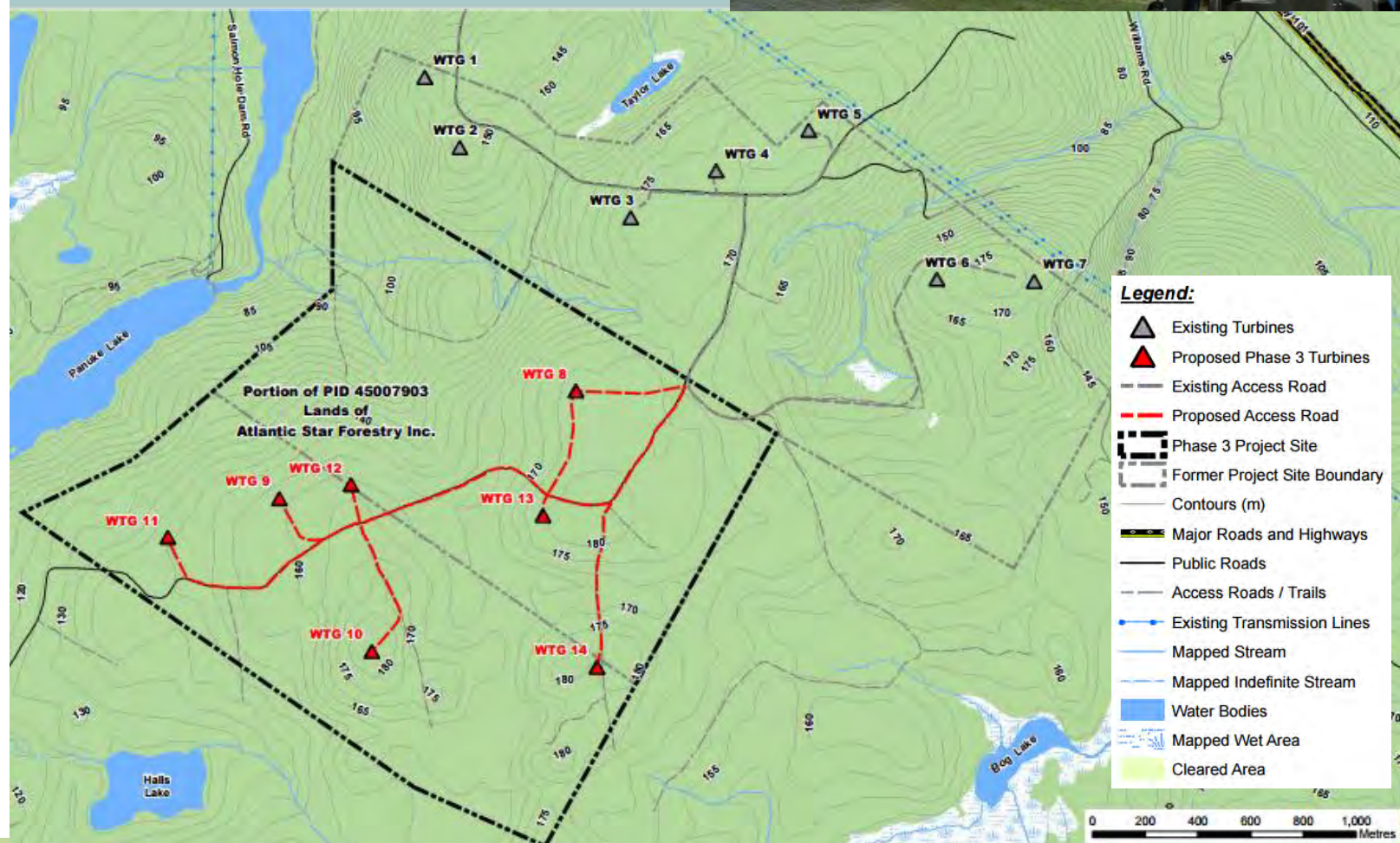
- The Ellershouse Wind Farm Open House will be held Tuesday, November 1st, from 6:00pm – 8:00pm, at the Ellershouse Community Hall
- The next meeting of the Community Liaison Committee will be **November 8th**, at the Ellershouse Community Hall, 6:30pm-8:30pm



A Update On The Ellershouse Wind Farm Sponsorship Society

The Ellershouse Community Hall has had multiple lives over its existence, and the past year has been good to this community centre. In addition to the installation of rooftop solar panels, the sponsorship society held a free celebratory BBQ event, open to all. The BBQ was well attended, had live music and food, and was captured on camera for a short film project focused on the wind farm. Furthermore, AREA has decided to offer a one-time payment of an additional \$1000.00 to the \$5000.00 annual community fund, which allows the society to create community projects such as:

- Reimbursing the hall for society setup funds
- Church received \$1000.00 and hall received \$1000.00 to put toward insurance
- Silver level plaque donation to the Brooklyn & district rink fund.
- Kept \$500.00 for a student bursary
- \$500.00 notice to help with a summer camp for youth, each applicant received \$83.00



Map of the proposed new turbine locations.

Ellershouse Wind Farm Expansion Project

Email: chris.peters@minasenergy.com

Chris Peters
Minas Energy
3 Bedford Hills Road, Bedford, NS
B4A 1J5

October 19, 2016

Nova Scotia Office of Aboriginal Affairs

5251 Duke St., 5th Floor
PO Box 1617
Halifax, NS B3J 2Y3
Canada

Attention: Senior Consultation Advisor

Reference: Ellershouse Wind Farm Expansion – Notice of Proposed Project

To whom it may concern,

We wish to inform you of a proposed wind energy project. The project will be owned by a group of Municipal Utilities that have created the Alternative Resource Energy Authority (AREA) and is an expansion of an existing wind farm. AREA has commissioned Minas Energy to develop the project on their behalf. The wind project is proposed to be located in the Municipality of West Hants near the community of Ellershouse (see map attached) and will include seven wind turbines with a nameplate capacity of 16.4 MW. Studies are currently underway in order to submit a Class 1 Environmental Assessment application and a public consultation program is ongoing.

As per the “Proponent’s Guide: the Role of Proponent’s in Crown Consultation with the Mi’Kmaq of Nova Scotia”, we will be initiating engagement with the following entities:

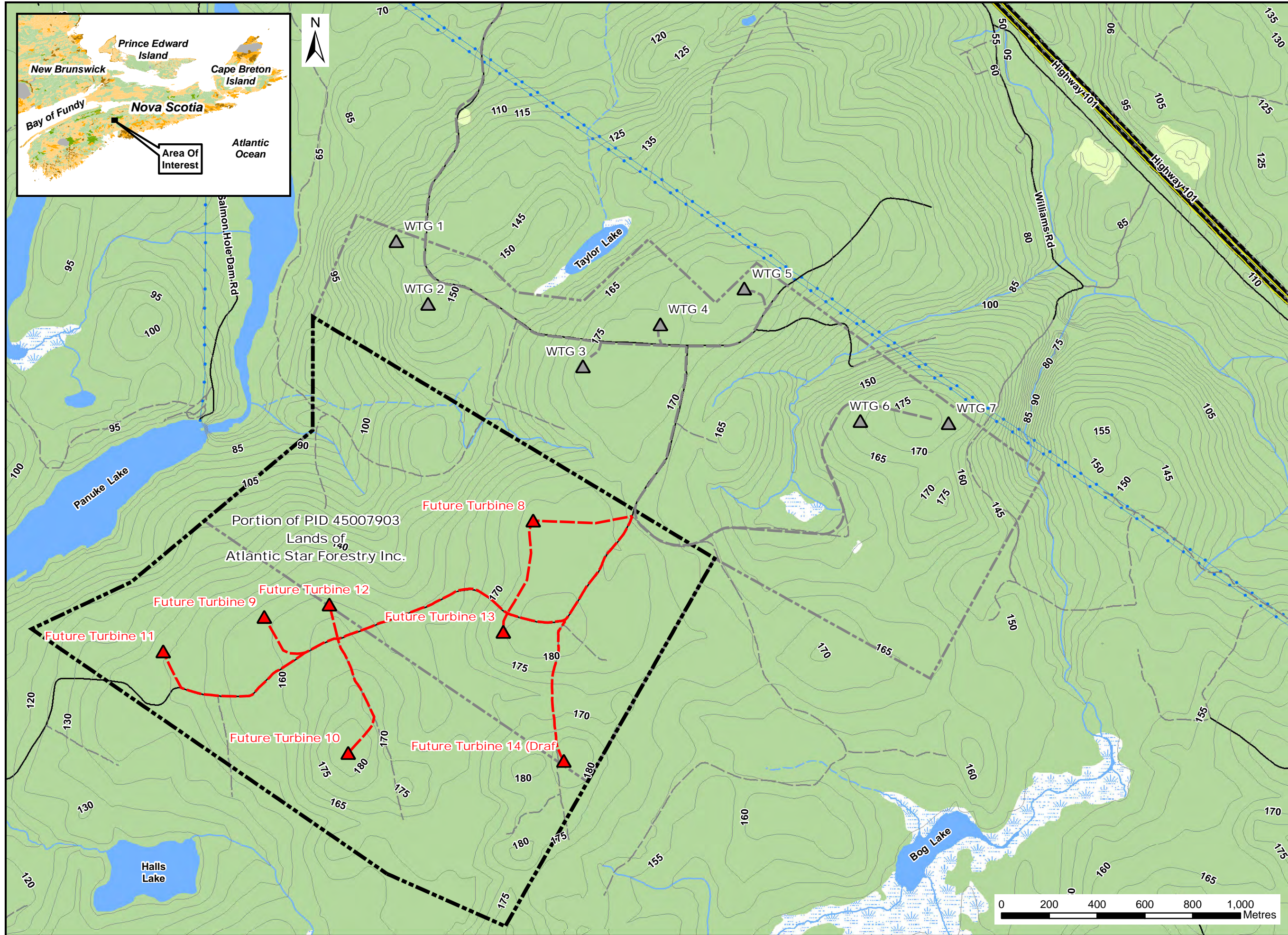
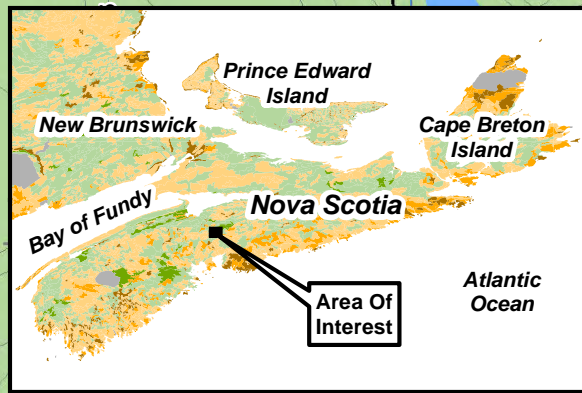
- Kwilmu'kw Maw-klusuaqn Negotiation Office
- Annapolis Valley First Nation
- Glooscap First Nation
- Native Council of Nova Scotia

Attached is the site map of the proposed project. We intend to submit our environmental assessment application in November, 2016. Please do not hesitate to contact us should you require further information. Inquiries can be made to Chris Peters at chris.peters@minasenergy.com or (902) 799-0365.

Sincerely yours,



Chris Peters
Energy Project Developer
Minas Energy



- Notes:**
- Reference: Digital Topographic Mapping & Property Management Unit MU9940 by Nova Scotia Geomatics Centre.
 - Projection: NAD83(CSRS), UTM Zone 20 North.
 - Site Features & Project / Property Boundaries are Approximate. This Plan is for Presentation only & Not Intended for Legal Use

- Legend:**
- Existing Turbines
 - Proposed Phase 3 Turbines
 - Existing Access Road
 - Proposed Access Road
 - Phase 3 Project Site
 - Former Project Site Boundary
 - Contours (m)
 - Major Roads and Highways
 - Public Roads
 - Access Roads / Trails
 - Existing Transmission Lines
 - Mapped Stream
 - Mapped Indefinite Stream
 - Water Bodies
 - Mapped Wet Area
 - Cleared Area

Portion of PID 45007903
Lands of
Atlantic Star Forestry Inc.

Ellershouse Wind Farm Expansion - Proposed Turbine and Road Layout



Engineering * Surveying * Environmental
Bedford * Antigonish * Moncton * Deer Lake

Date: September 2016	Project #: 16-5807
Scale: 1:15,000	Drawing #: 2.1
Drawn By: H. Serhan	
Checked By: S. Duncan	



Ellershouse Wind Farm Expansion Project

Email: chris.peters@minasenergy.com

Chris Peters
Minas Energy
3 Bedford Hills Road, Bedford, NS
B4A 1J5

October 20, 2016

Annapolis Valley First Nation
PO Box 89
Cambridge Station, NS B0P 1G0
Canada

Attention: Chief and Council

Reference: Ellershouse Wind Farm Expansion – Notice of Proposed Project

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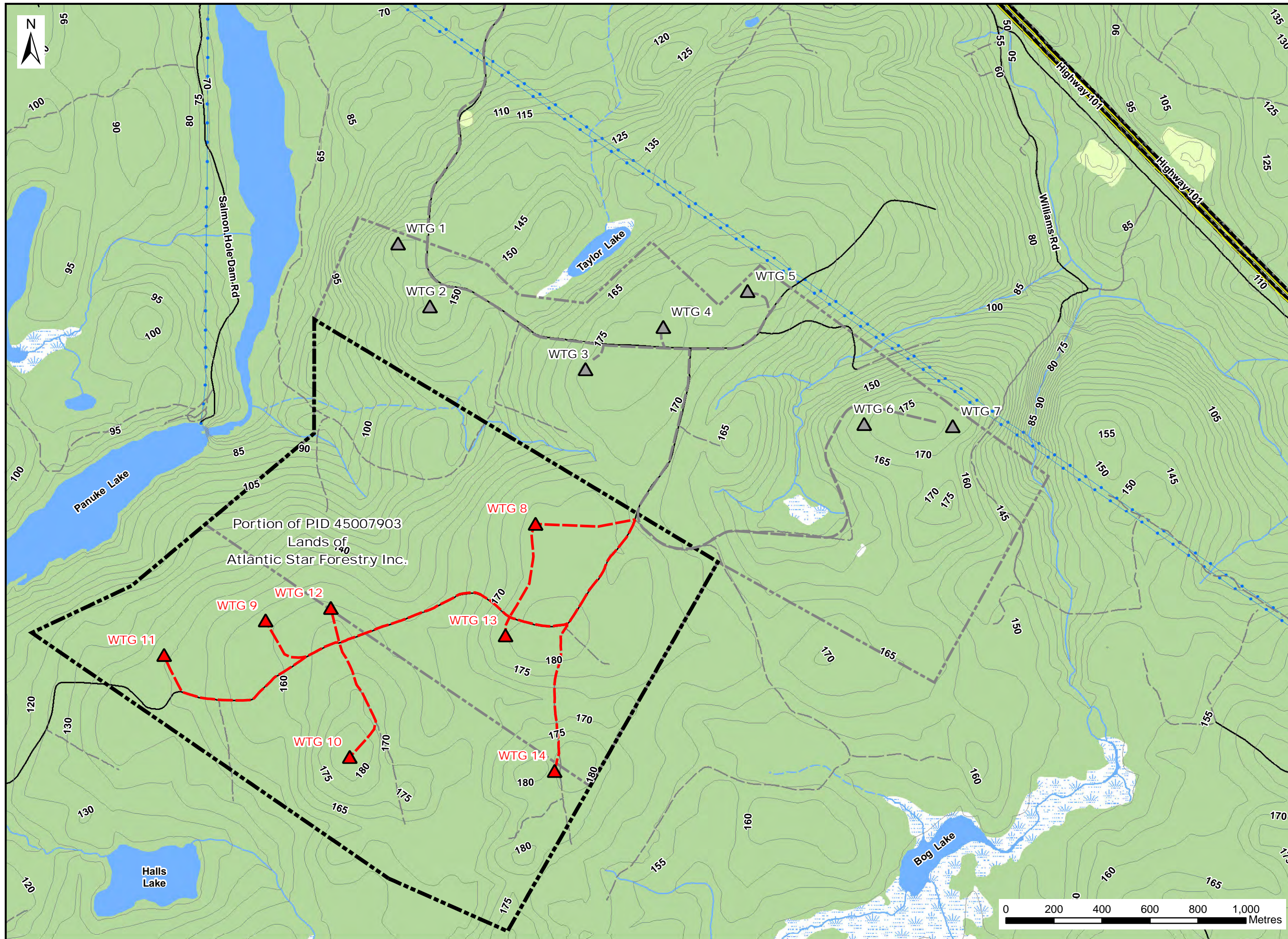
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October 20, 2016

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PO Box 449
Hantsport, NS B0P 1P0
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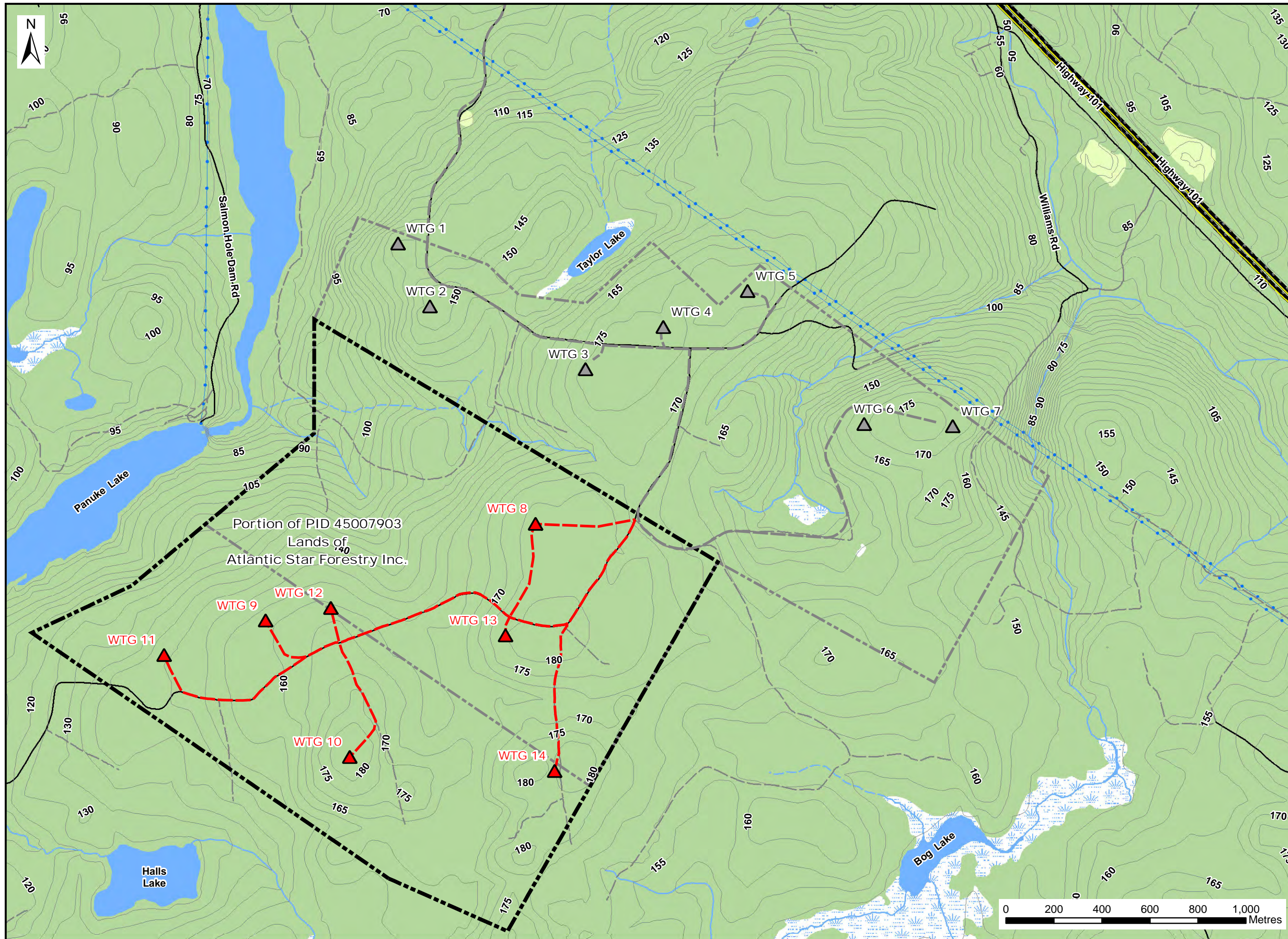
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3 Bedford Hills Road, Bedford, NS
B4A 1J5

October 20, 2016

Native Council of Nova Scotia

PO Box 1320
Truro, NS B2N 5N2
Canada

Attention: Chief Grace Conrad

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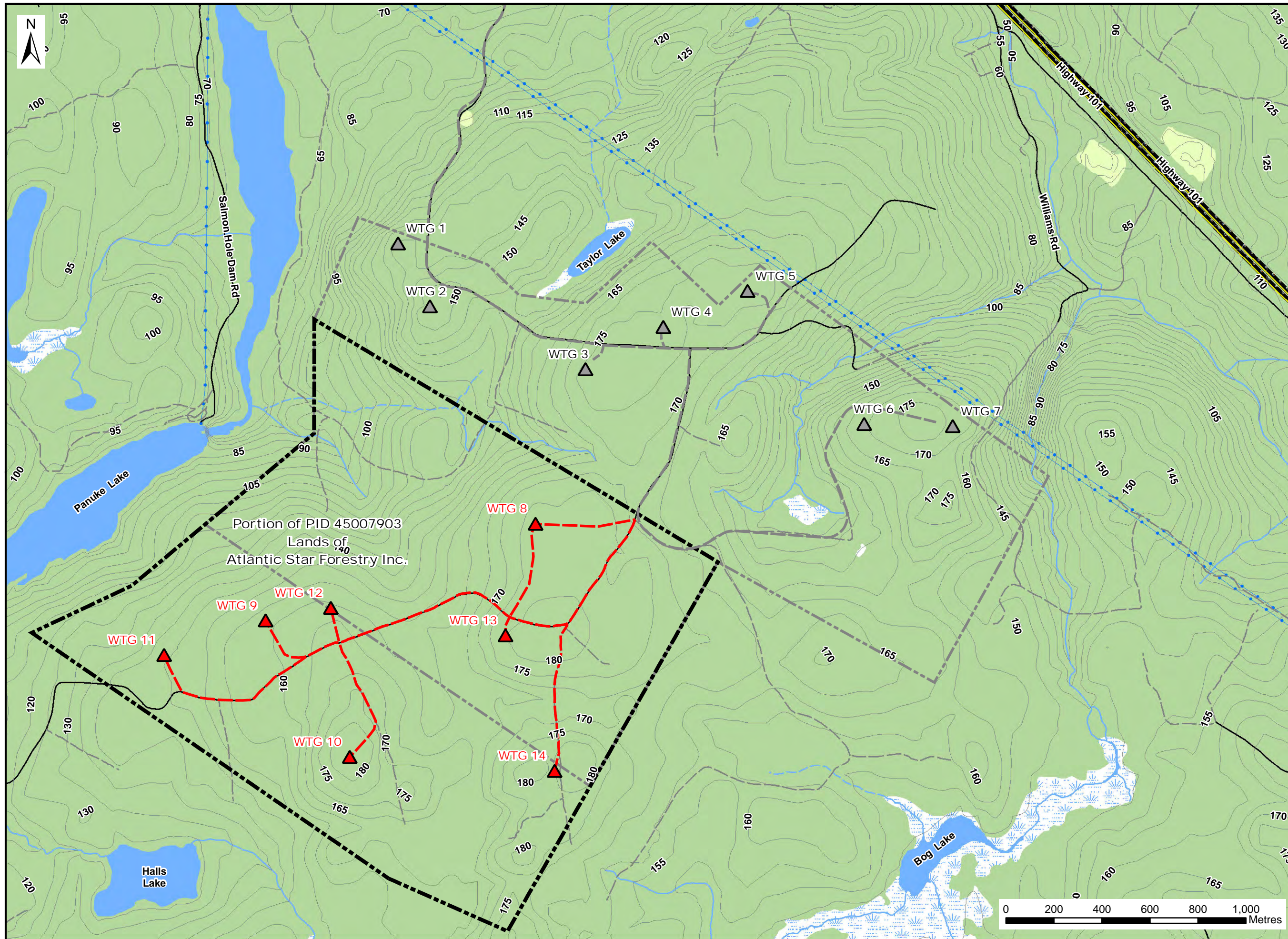
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