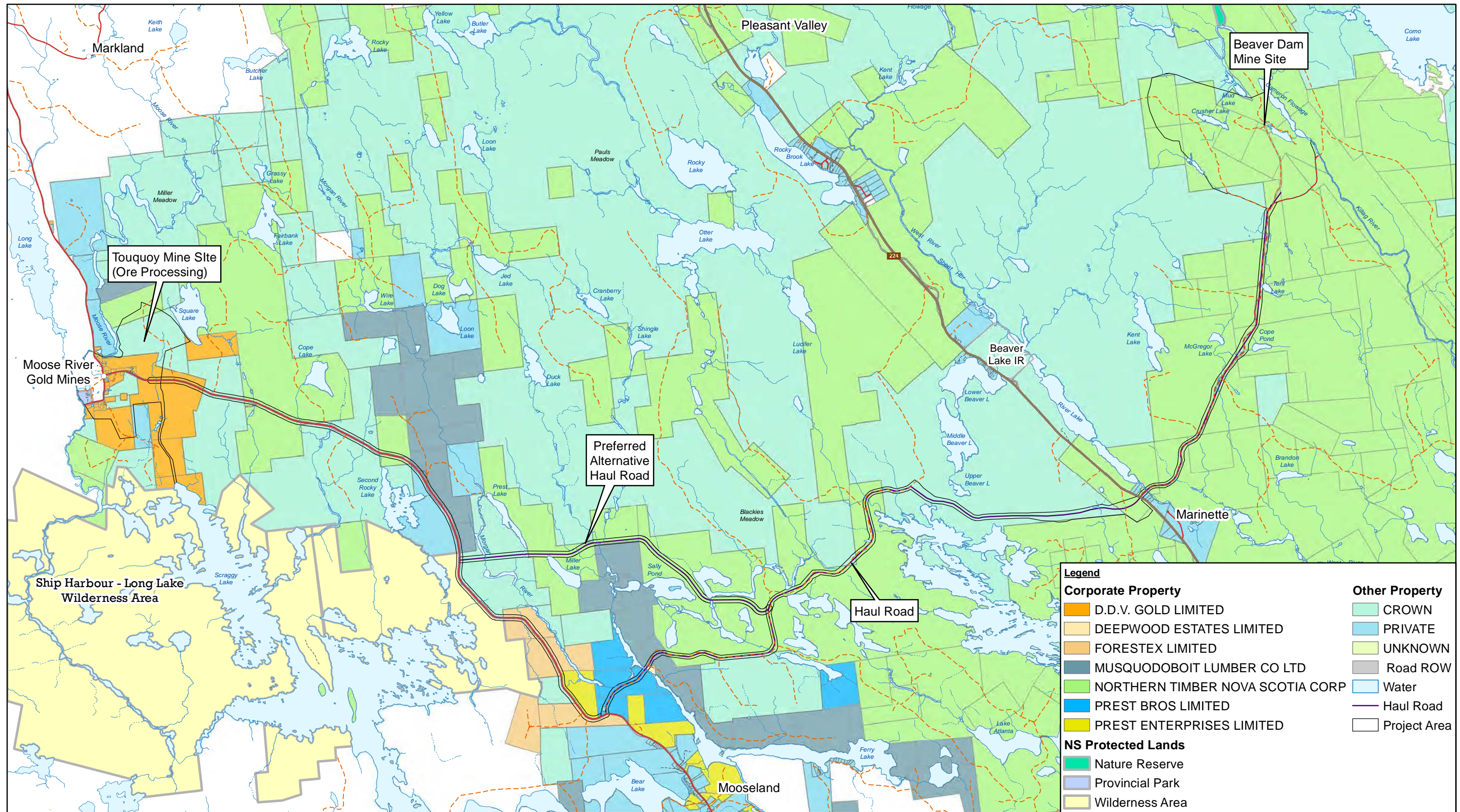


**Map Book**

**Beaver Dam Mine Project**

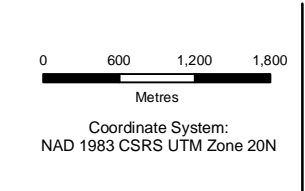






Legend	
<b>Corporate Property</b>	<b>Other Property</b>
<span style="display:inline-block; width:15px; height:15px; background-color:orange;"></span> D.D.V. GOLD LIMITED	<span style="display:inline-block; width:15px; height:15px; background-color:lightgreen;"></span> CROWN
<span style="display:inline-block; width:15px; height:15px; background-color:lightorange;"></span> DEEPWOOD ESTATES LIMITED	<span style="display:inline-block; width:15px; height:15px; background-color:lightblue;"></span> PRIVATE
<span style="display:inline-block; width:15px; height:15px; background-color:yellow;"></span> FORESTEX LIMITED	<span style="display:inline-block; width:15px; height:15px; background-color:lightyellow;"></span> UNKNOWN
<span style="display:inline-block; width:15px; height:15px; background-color:grey;"></span> MUSQUODOBOIT LUMBER CO LTD	<span style="display:inline-block; width:15px; height:15px; background-color:grey;"></span> Road ROW
<span style="display:inline-block; width:15px; height:15px; background-color:lightgreen;"></span> NORTHERN TIMBER NOVA SCOTIA CORP	<span style="display:inline-block; width:15px; height:15px; background-color:lightblue;"></span> Water
<span style="display:inline-block; width:15px; height:15px; background-color:blue;"></span> PREST BROS LIMITED	<span style="display:inline-block; width:15px; height:15px; border-bottom:1px solid purple;"></span> Haul Road
<span style="display:inline-block; width:15px; height:15px; background-color:yellow;"></span> PREST ENTERPRISES LIMITED	<span style="display:inline-block; width:15px; height:15px; border:1px solid black;"></span> Project Area
<b>NS Protected Lands</b>	
<span style="display:inline-block; width:15px; height:15px; background-color:lightgreen;"></span> Nature Reserve	
<span style="display:inline-block; width:15px; height:15px; background-color:lightblue;"></span> Provincial Park	
<span style="display:inline-block; width:15px; height:15px; background-color:yellow;"></span> Wilderness Area	

Source: Service Nova Scotia



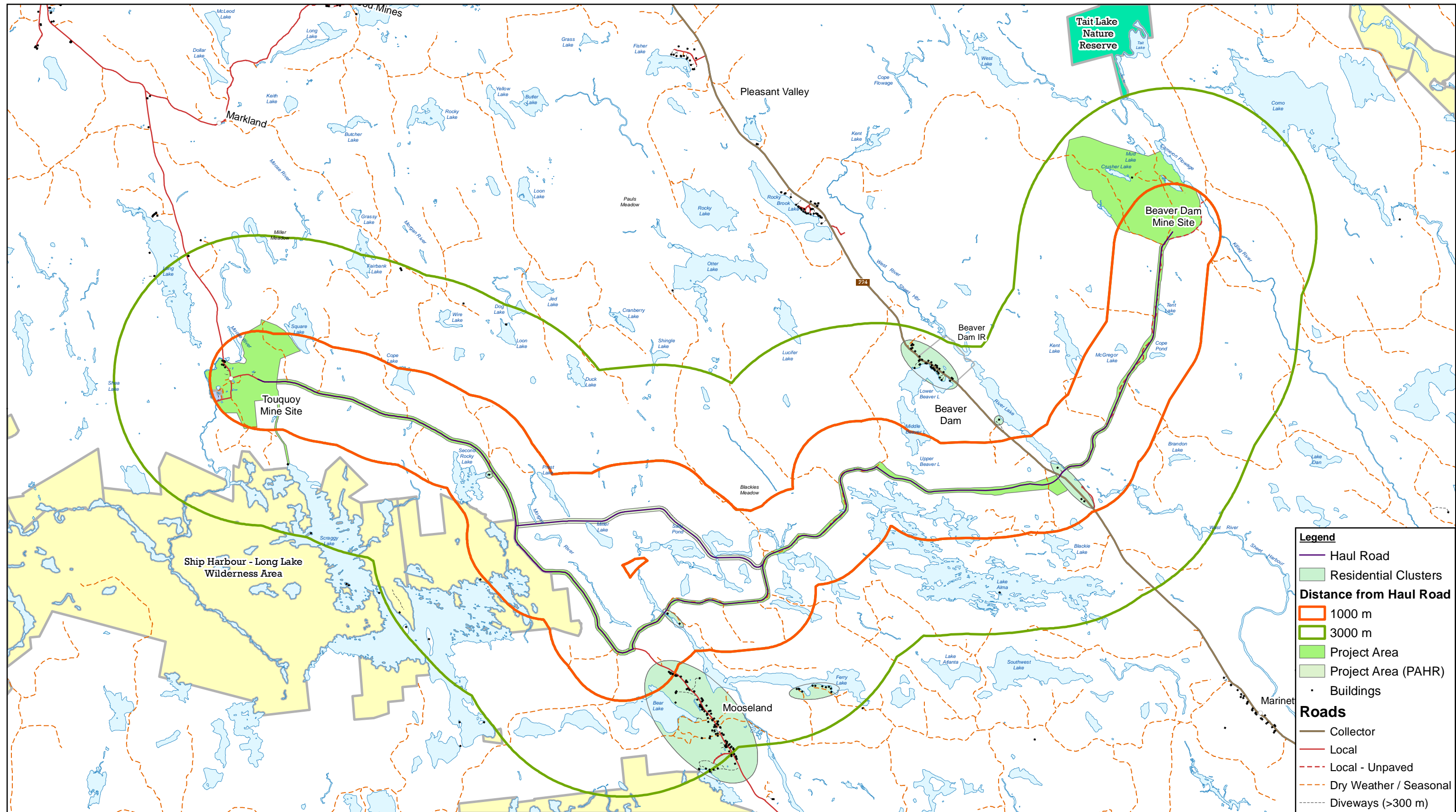
ATLANTIC GOLD CORPORATION  
 MARINETTE, HALIFAX CO., NOVA SCOTIA  
 ENVIRONMENTAL IMPACT STATEMENT - BEAVER DAM MINE

088664  
 Feb 22, 2019

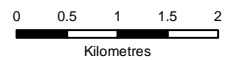
CURRENT PROPERTY OWNERSHIP

FIGURE 2.1-1





Source: Service Nova Scotia, NS Natural Resources



Coordinate System:  
NAD 1983 CSRS UTM Zone 20N



ATLANTIC GOLD CORPORATION  
MARINETTE, HALIFAX CO., NOVA SCOTIA  
ENVIRONMENTAL IMPACT STATEMENT - BEAVER DAM MINE

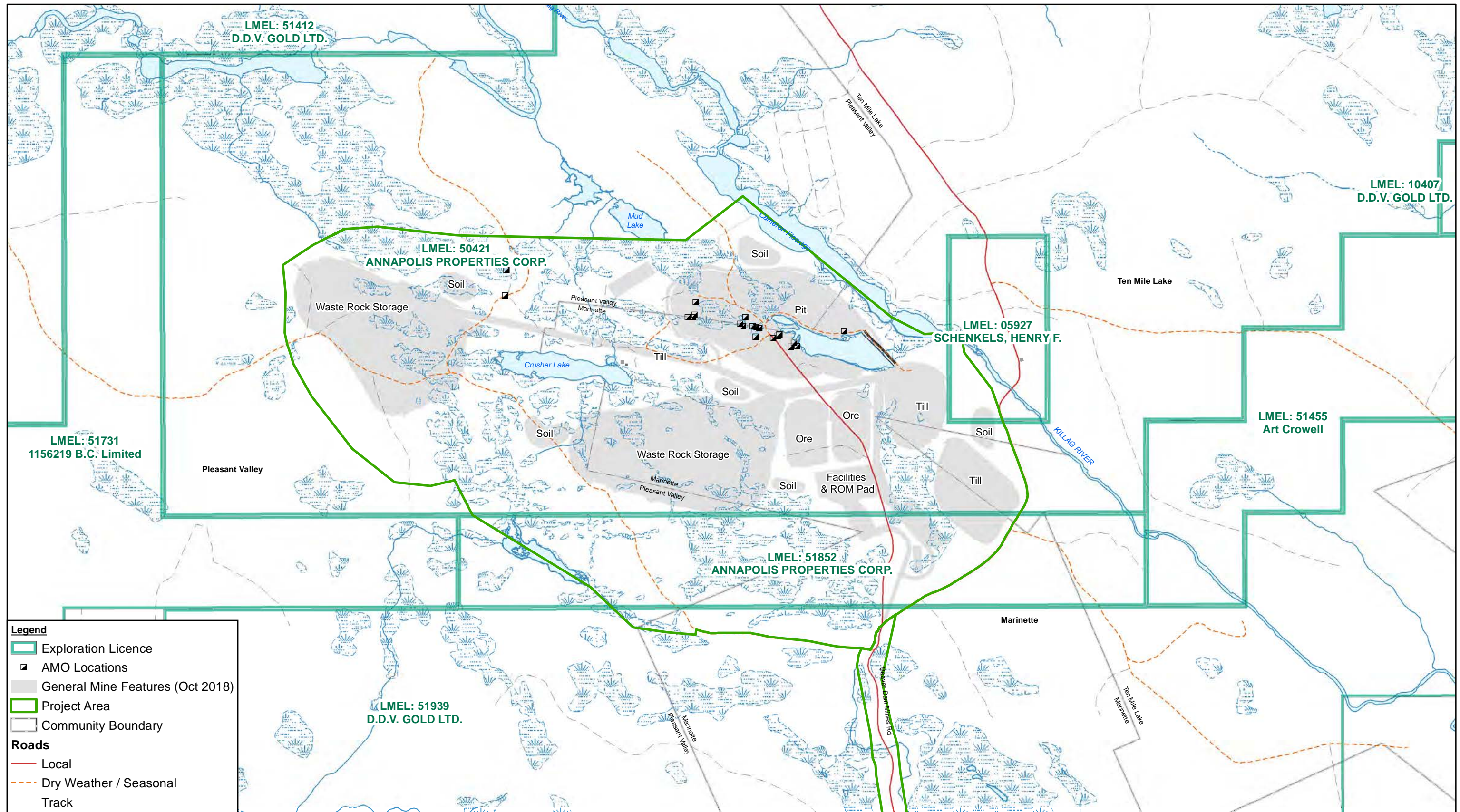
088664

Feb 22, 2019

LOCATION OF RESIDENTS TO HAUL ROAD

FIGURE 2.1-2





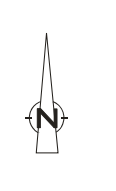
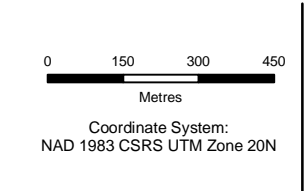
**Legend**

- Exploration Licence
- AMO Locations
- General Mine Features (Oct 2018)
- Project Area
- Community Boundary

**Roads**

- Local
- Dry Weather / Seasonal
- Track

Source: Service Nova Scotia, NS Natural Resources



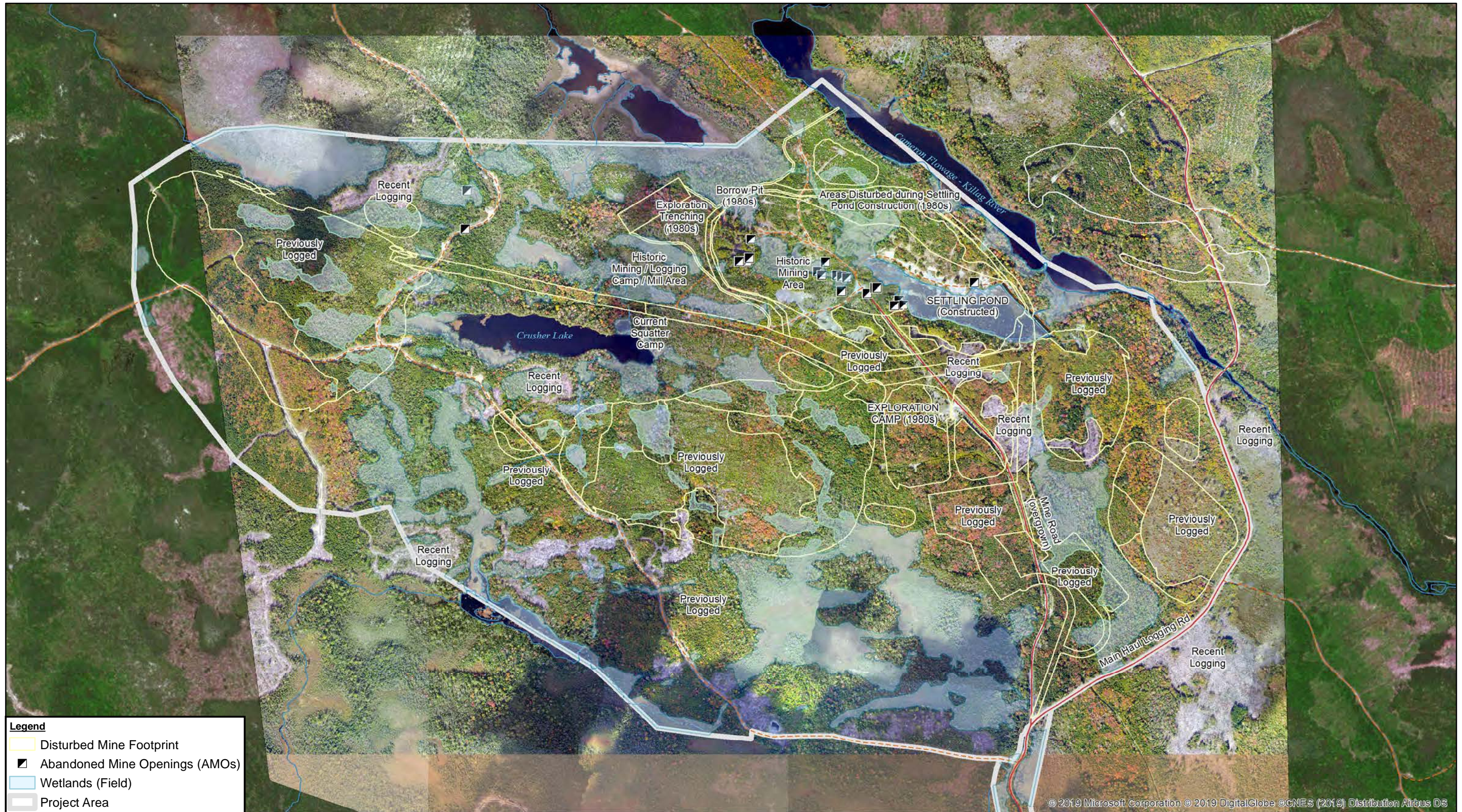
ATLANTIC GOLD CORPORATION  
 MARINETTE, HALIFAX CO., NOVA SCOTIA  
 ENVIRONMENTAL IMPACT STATEMENT - BEAVER DAM MINE

088664  
 Feb 22, 2019

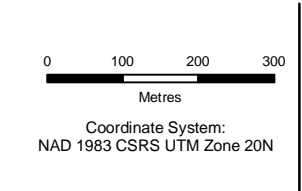
**EXPLORATION LICENCE BOUNDARIES**

**FIGURE 2.1-3**





Source: Atlantic Gold, Service Nova Scotia, NS Natural Resources, NS Environment

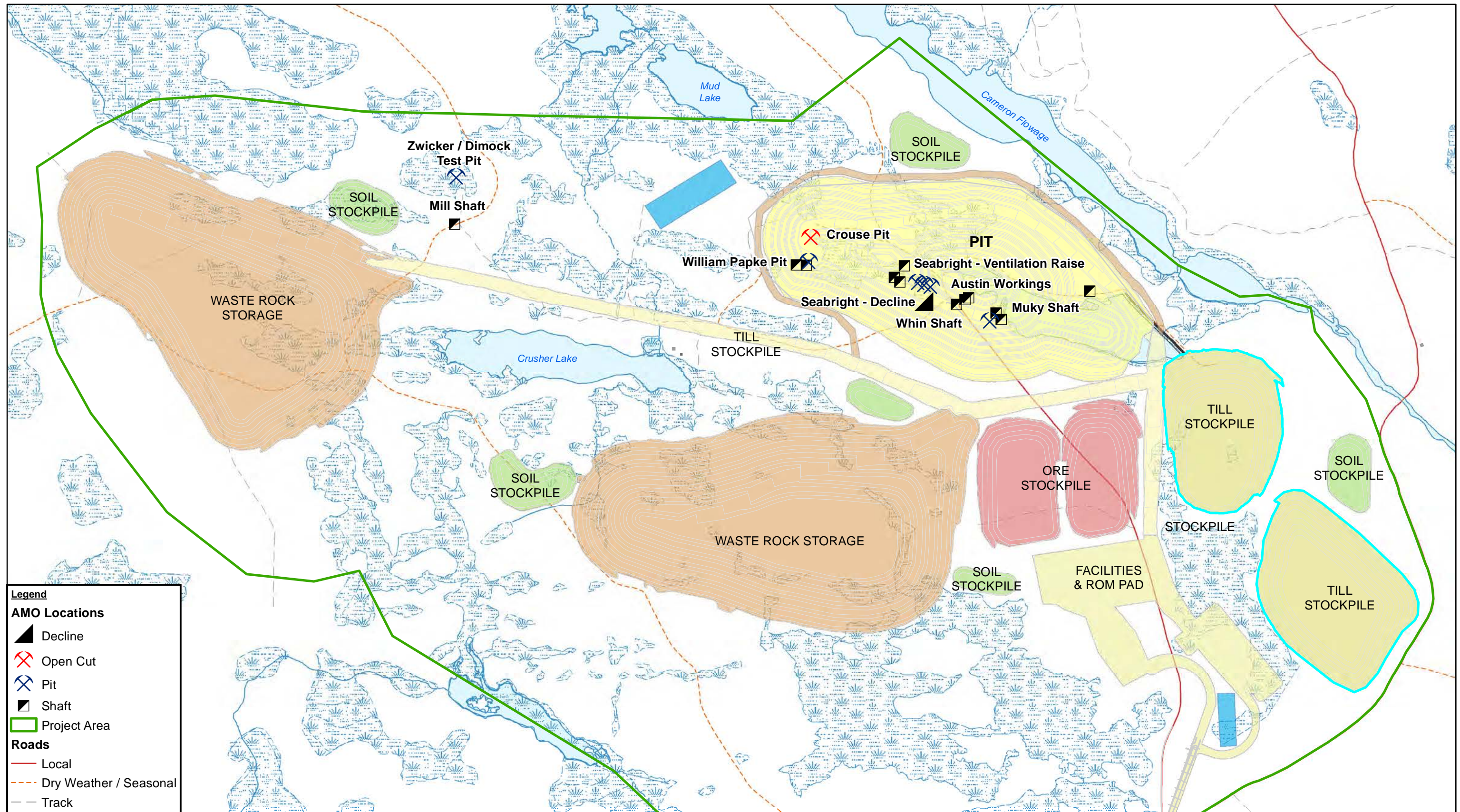


ATLANTIC GOLD CORPORATION  
 MARINETTE, HALIFAX CO., NOVA SCOTIA  
 ENVIRONMENTAL IMPACT STATEMENT - BEAVER DAM MINE  
**BEAVER DAM MINE SITE**  
**EXISTING MINE CONDITIONS**

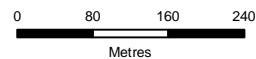
088664  
 Feb 26, 2019

FIGURE 2.1-4





Source: Atlantic Gold, Service Nova Scotia, NS Natural Resources, NS Environment



Coordinate System:  
NAD 1983 CSRS UTM Zone 20N



ATLANTIC GOLD CORPORATION  
MARINETTE, HALIFAX CO., NOVA SCOTIA  
ENVIRONMENTAL IMPACT STATEMENT - BEAVER DAM MINE

088664  
Feb 22, 2019

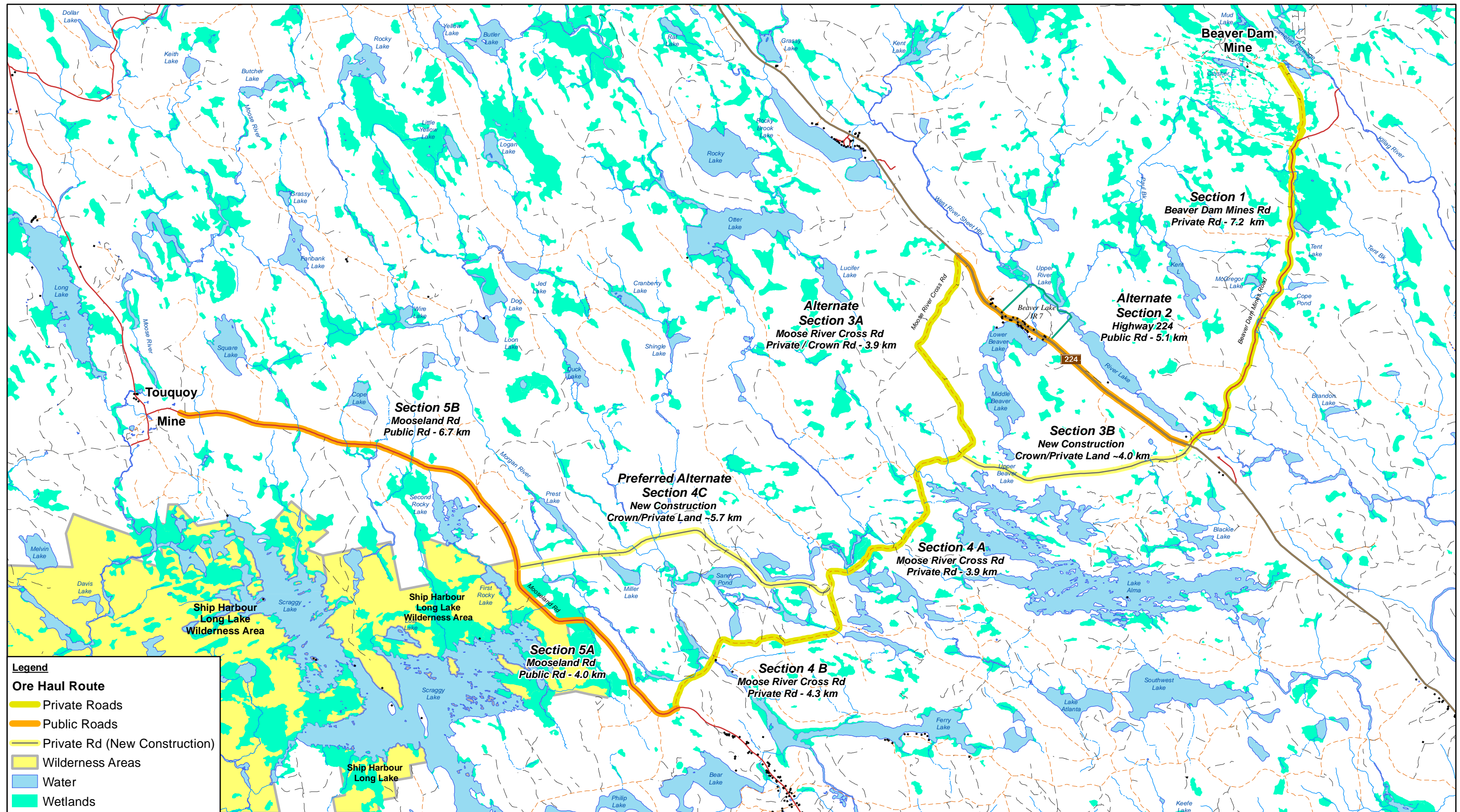
ABANDONED MINE WORKINGS

FIGURE 2.1-5

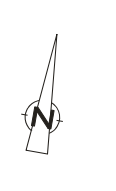
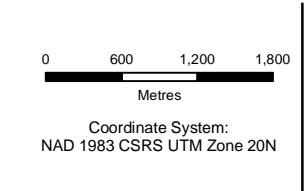








Source: Service Nova Scotia (Water, Wetlands, Roads), NS Environment (Protected Areas), Atlantic Gold (Route)

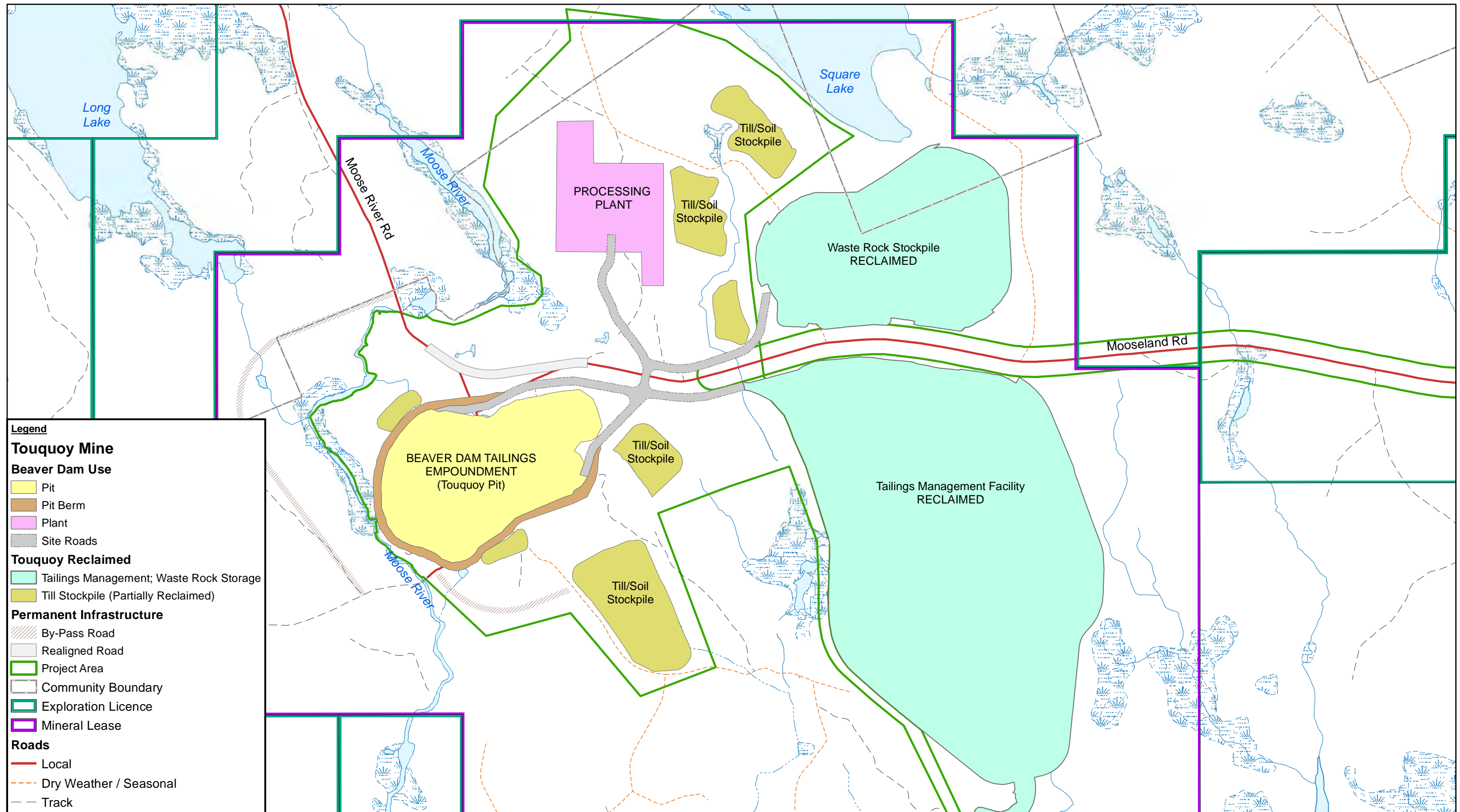


ATLANTIC GOLD CORPORATION  
 MARINETTE, HALIFAX CO., NOVA SCOTIA  
 ENVIRONMENTAL IMPACT STATEMENT - BEAVER DAM MINE

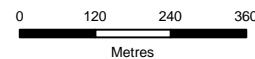
088664  
 Feb 14, 2019

HAUL ROAD ROUTE WITH ALTERNATES

FIGURE 2.2-2



Source: Atlantic Gold, Service Nova Scotia, NS Natural Resources, NS Environment



Coordinate System:  
NAD 1983 CSRS UTM Zone 20N

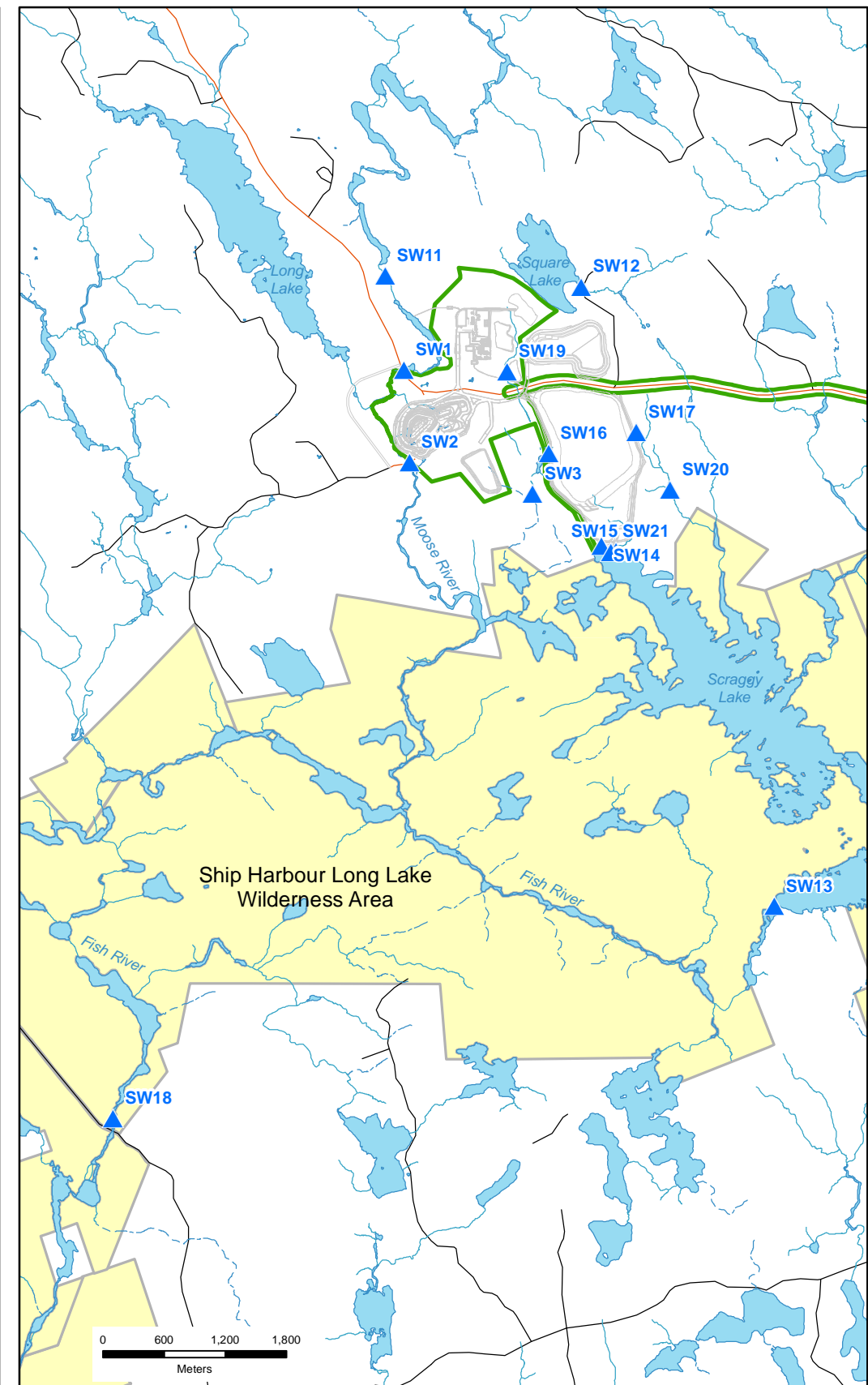
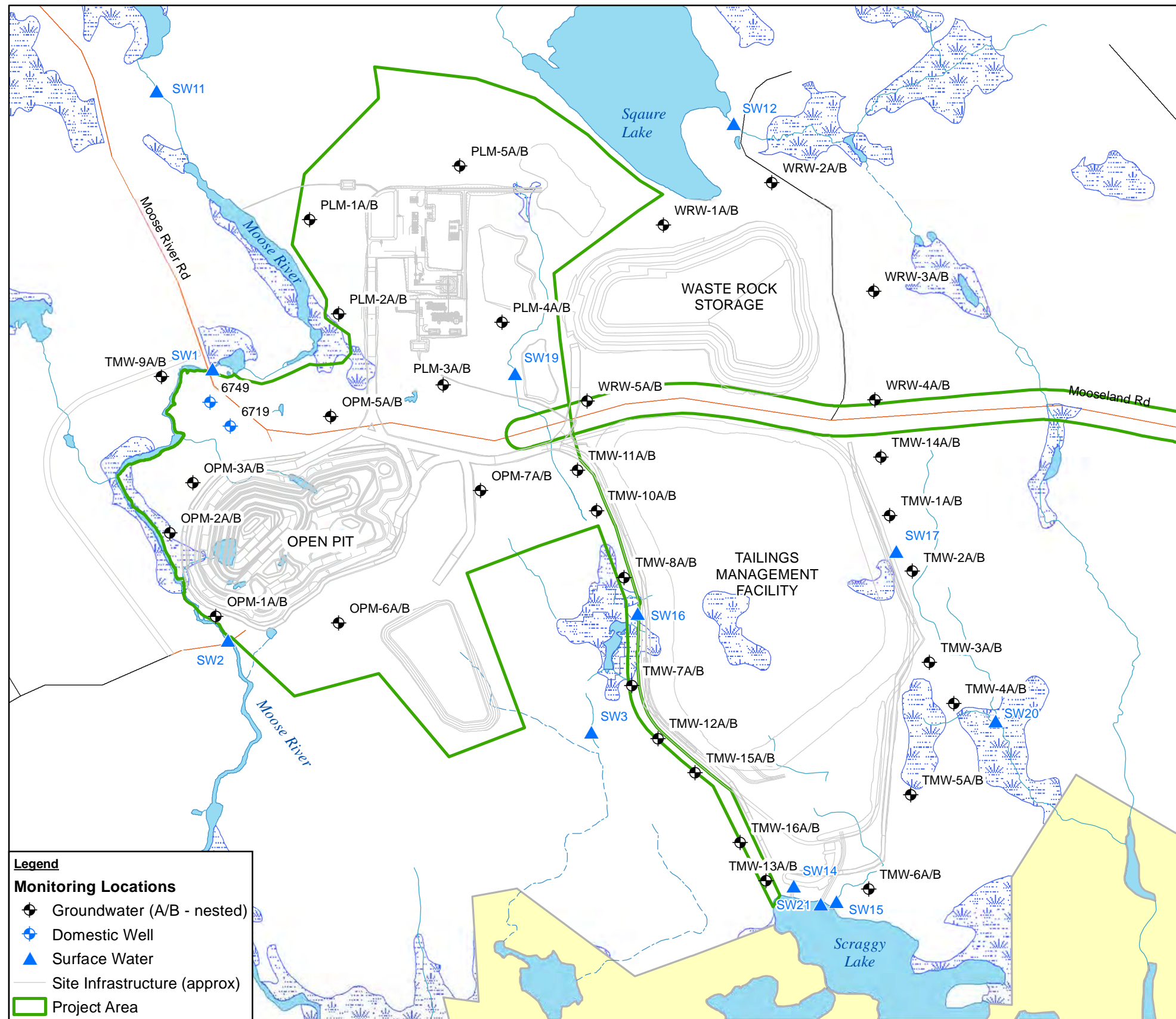


ATLANTIC GOLD CORPORATION  
MARINETTE, HALIFAX CO., NOVA SCOTIA  
ENVIRONMENTAL IMPACT STATEMENT - BEAVER DAM MINE  
TOUQUOY MINE - GENERAL ARRANGEMENT  
FOR BEAVER DAM ORE PROCESSING

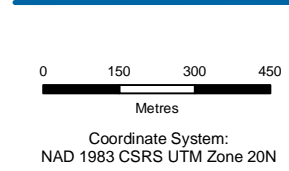
088664  
Feb 22, 2019

FIGURE 2.2-3





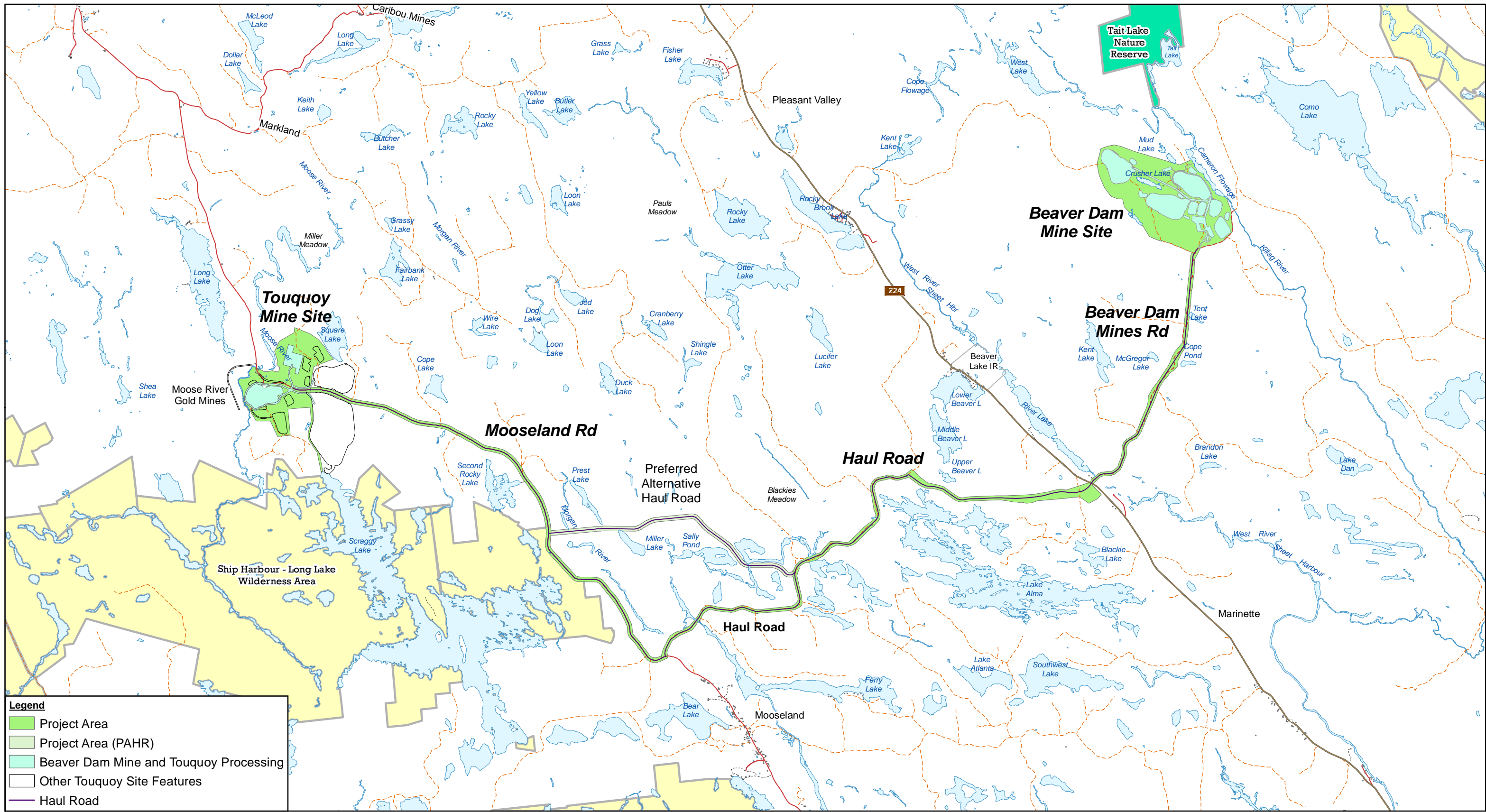
Source: Service Nova Scotia, AGC, Stantec, GHD



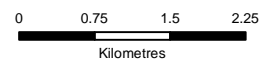
ATLANTIC GOLD CORPORATION  
 MARINETTE, HALIFAX CO., NOVA SCOTIA  
 ENVIRONMENTAL IMPACT STATEMENT - BEAVER DAM MINE  
 TOUQUOY MINE  
 COMPLIANCE MONITORING LOCATIONS

088664  
 Feb 22, 2019

FIGURE 2.2-4



Source: Service Nova Scotia, NS Natural Resources



Coordinate System:  
NAD 1983 CSRS UTM Zone 20N



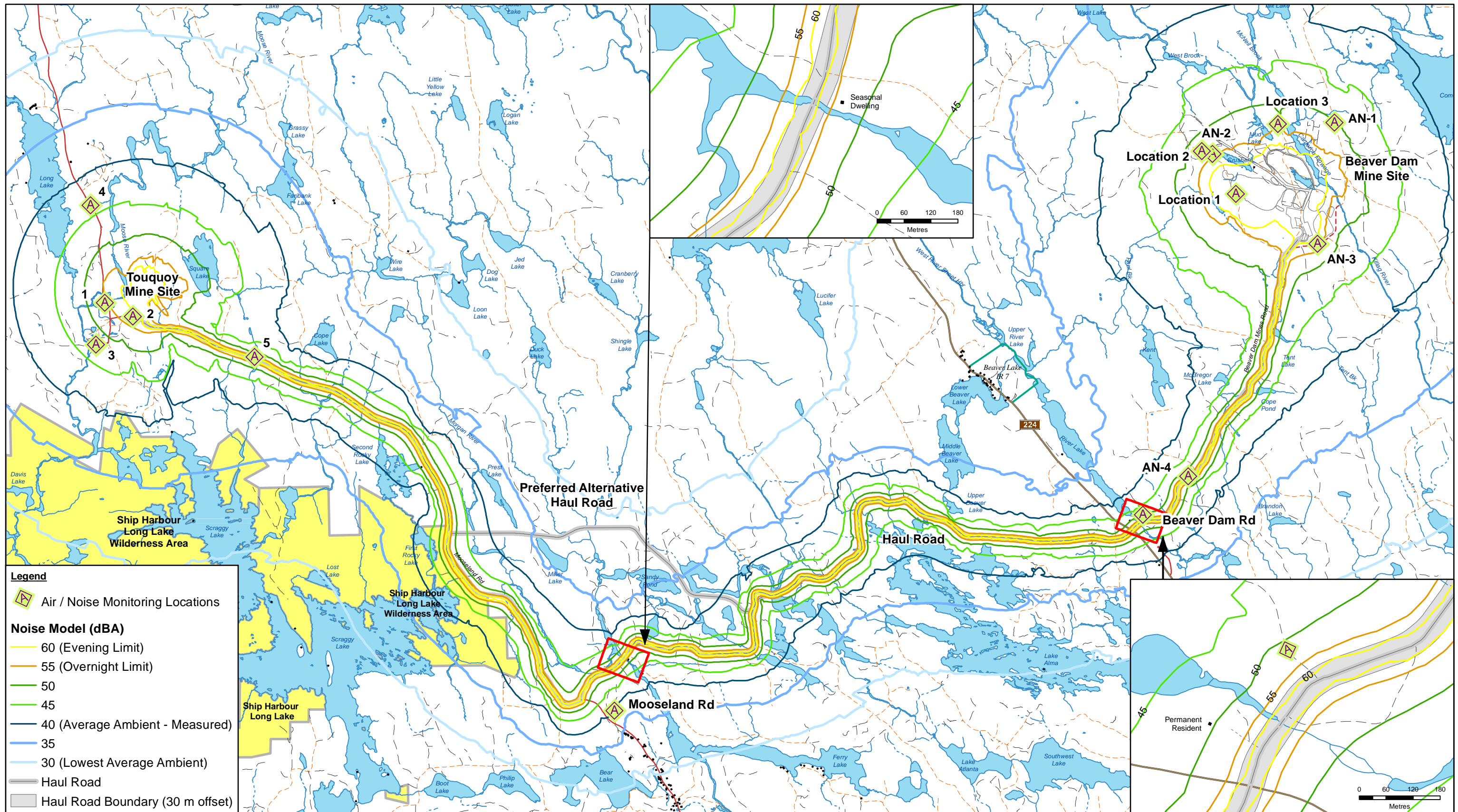
ATLANTIC GOLD CORPORATION  
MARINETTE, HALIFAX CO., NOVA SCOTIA  
ENVIRONMENTAL IMPACT STATEMENT - BEAVER DAM MINE

088664  
Feb 22, 2019

PROJECT AREA

FIGURE 5.4-1





**Legend**

- Air / Noise Monitoring Locations
- Noise Model (dBA)**
- 60 (Evening Limit)
- 55 (Overnight Limit)
- 50
- 45
- 40 (Average Ambient - Measured)
- 35
- 30 (Lowest Average Ambient)
- Haul Road
- Haul Road Boundary (30 m offset)

Source: Service Nova Scotia (Water, Wetlands, Roads), NS Environment (Protected Areas), Atlantic Gold (Route)

0 500 1,000 1,500  
Metres

Coordinate System:  
NAD 1983 CSRS UTM Zone 20N



**Legend**

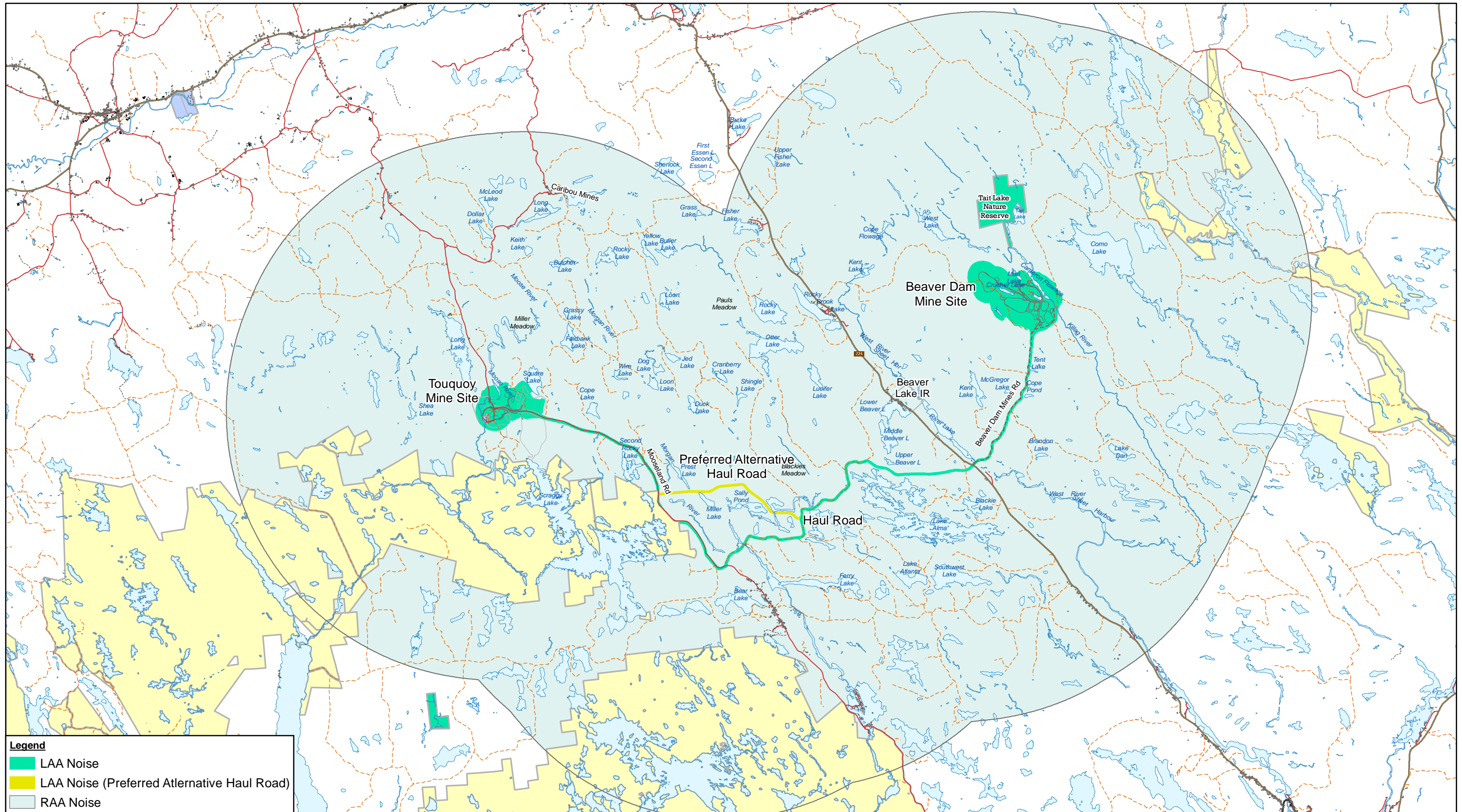


ATLANTIC GOLD CORPORATION  
MARINETTE, HALIFAX CO., NOVA SCOTIA  
ENVIRONMENTAL IMPACT STATEMENT - BEAVER DAM MINE  
AIR / NOISE MONITORING LOCATIONS  
NOISE MODELLING CONTOURS

088664  
Feb 22, 2019

FIGURE 6.1-1





**Legend**

- LAA Noise
- LAA Noise (Preferred Alternative Haul Road)
- RAA Noise

Source: Service Nova Scotia

0 1,300 2,600 3,900  
Metres

Coordinate System:  
NAD 1983 CSRS UTM Zone 20N

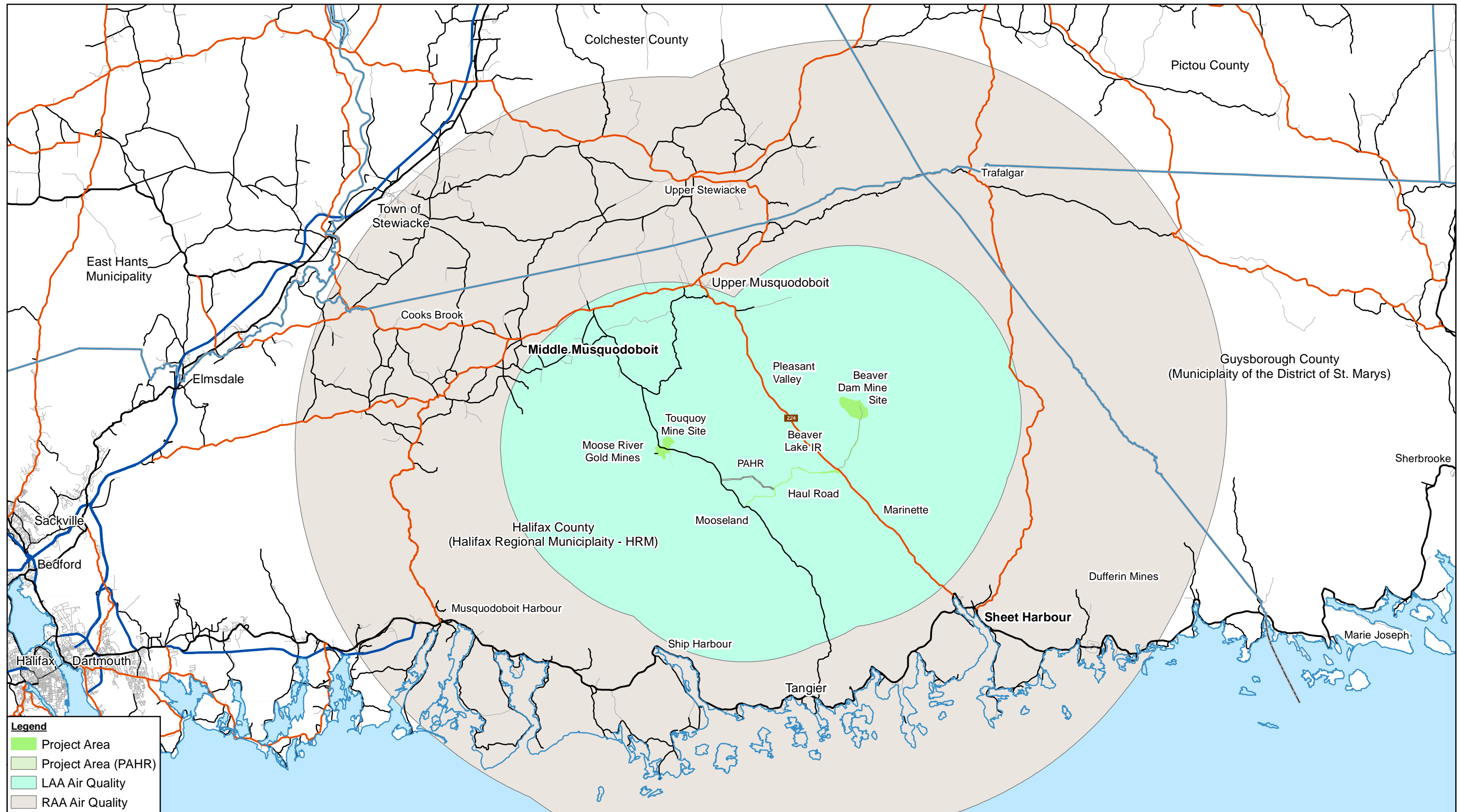


ATLANTIC GOLD CORPORATION  
MARINETTE, HALIFAX CO., NOVA SCOTIA  
ENVIRONMENTAL IMPACT STATEMENT - BEAVER DAM MINE  
LOCAL AND REGIONAL ASSESSMENT AREA  
NOISE

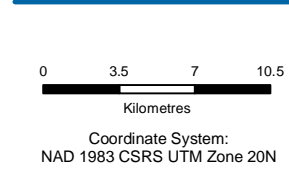
088664  
Feb 22, 2019

FIGURE 6.1-2





Source: Service Nova Scotia



ATLANTIC GOLD CORPORATION  
 MARINETTE, HALIFAX CO., NOVA SCOTIA  
 ENVIRONMENTAL IMPACT STATEMENT - BEAVER DAM MINE  
 LOCAL AND REGIONAL ASSESSMENT AREA  
 AIR QUALITY

088664  
 Feb 22, 2019

FIGURE 6.2-1



PROJECT TITLE:

**Figure 6.2-3**

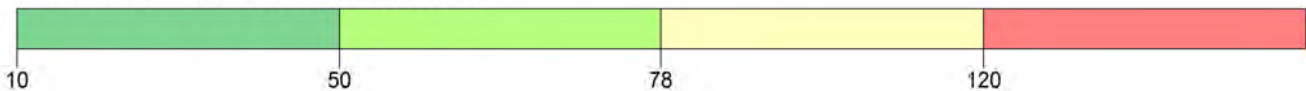
**Maximum 24-hour Total Particulate Matter Concentrations**



PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL

$\mu\text{g}/\text{m}^3$

Max: 251 [ $\mu\text{g}/\text{m}^3$ ] at (518696.25, 4982830.42)



COMMENTS:

Dust control measures along haul road (75% effective), assumed.

SOURCES:

**4**

COMPANY NAME:

**Beaver Dam Mine Project**

RECEPTORS:

**15089**

MODELER:

**GHD**

OUTPUT TYPE:

**Concentration**

SCALE:

1:182,725

0 5 km



MAX:

**251  $\mu\text{g}/\text{m}^3$**

DATE:

**2/22/2019**

PROJECT NO.:

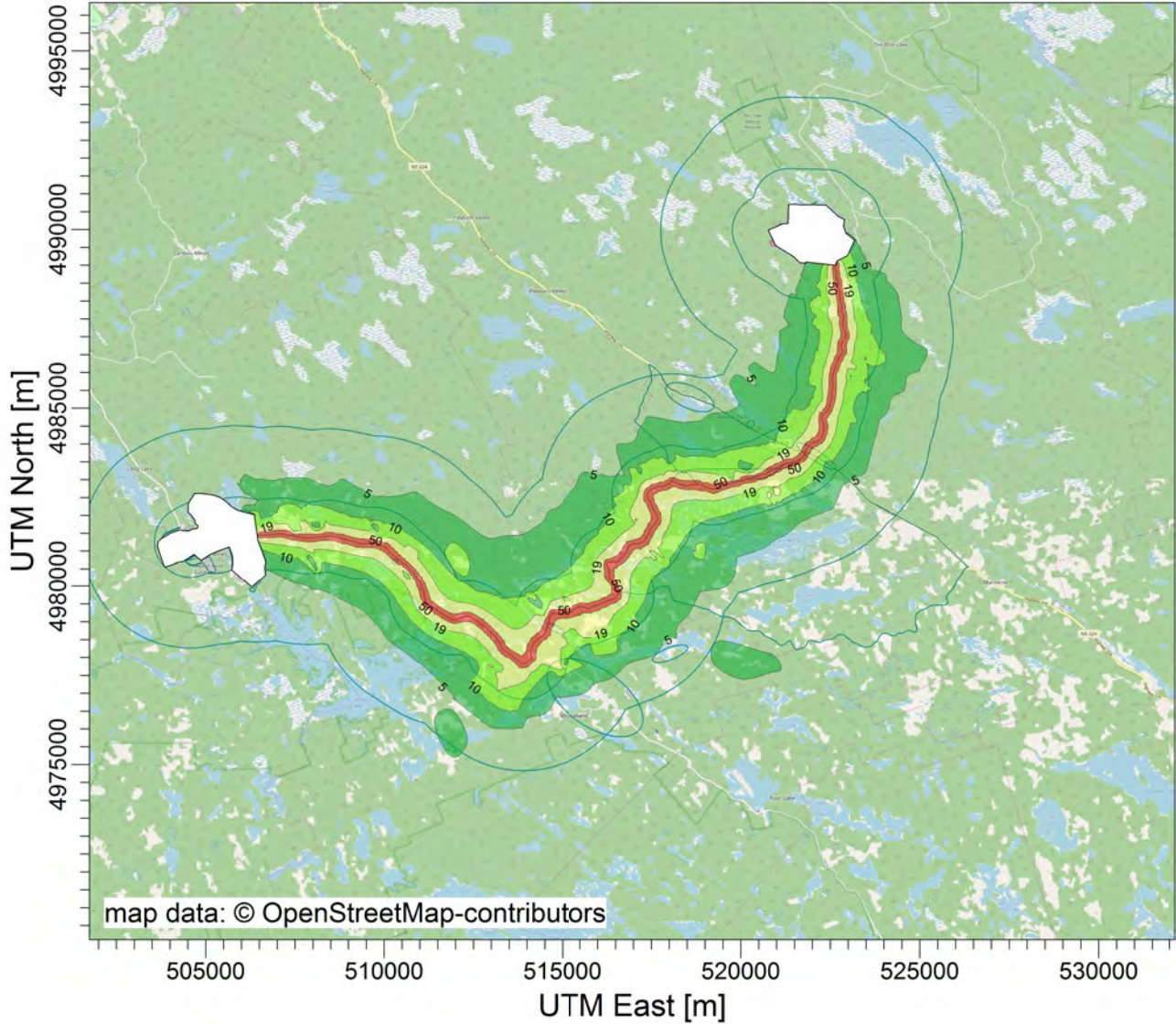
**088664**



PROJECT TITLE:

**Figure 6.2-4**

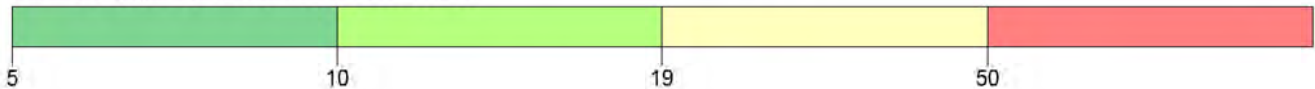
**Maximum 24-hour PM10 Concentrations**





PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: HAULROAD

ug/m<sup>3</sup>

Max: 146 [ug/m<sup>3</sup>] at (514098.40, 4977983.03)

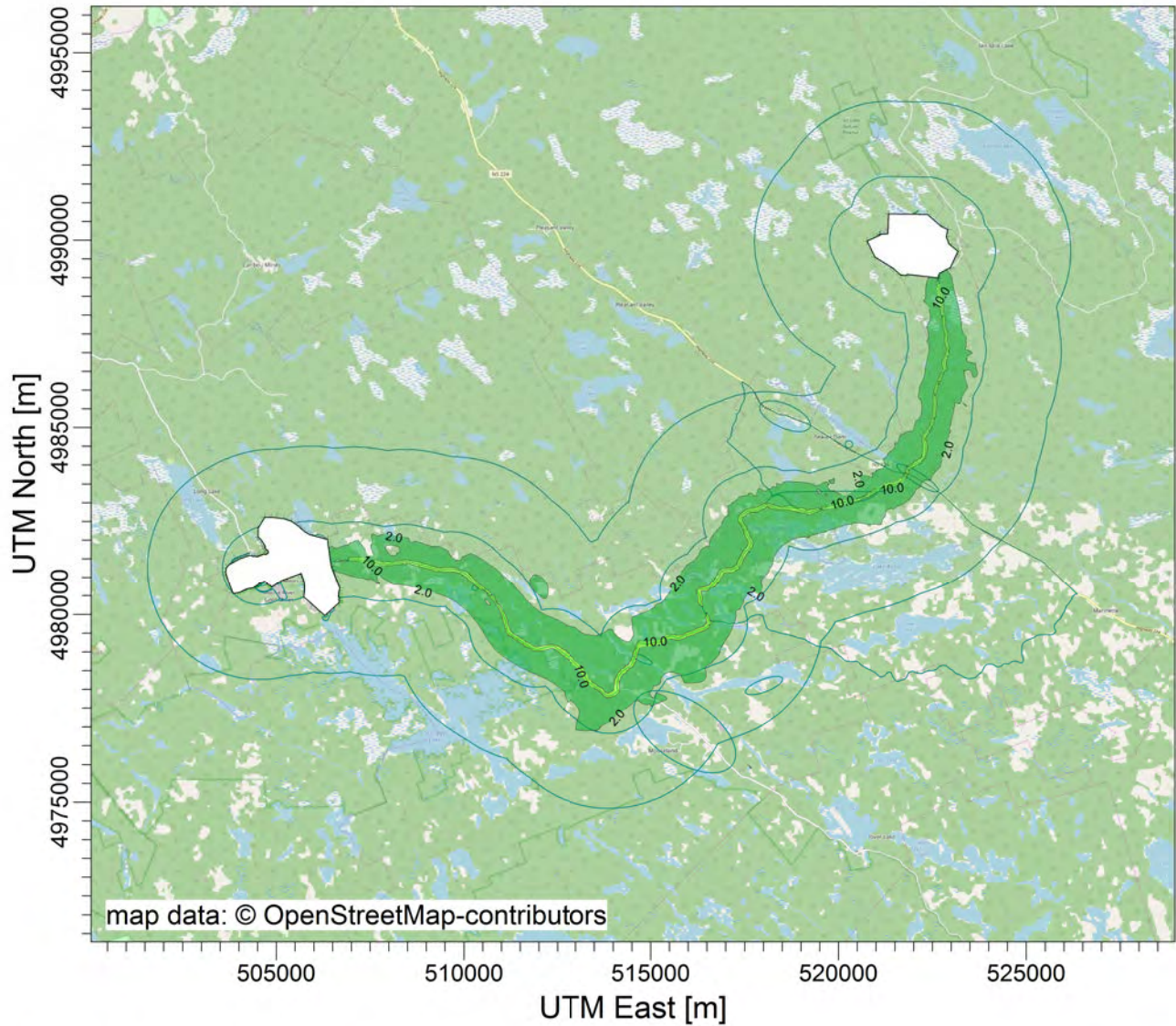


<p>COMMENTS:</p> <p>Dust control measures along haul road (75% effective), assumed.</p>	<p>SOURCES:</p> <p><b>4</b></p>	<p>COMPANY NAME:</p> <p><b>Beaver Dam Mine Project</b></p>	
	<p>RECEPTORS:</p> <p><b>15089</b></p>	<p>MODELER:</p> <p><b>GHD</b></p>	
	<p>OUTPUT TYPE:</p> <p><b>Concentration</b></p>	<p>SCALE: 1:193,654</p> 	
	<p>MAX:</p> <p><b>146 ug/m<sup>3</sup></b></p>	<p>DATE:</p> <p><b>2/22/2019</b></p>	<p>PROJECT NO.:</p> <p><b>088664</b></p>



PROJECT TITLE:

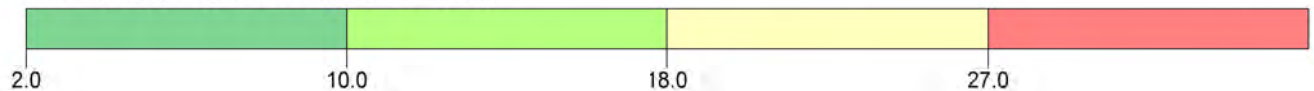
**Figure 6.2-5  
Maximum 24-hour PM2.5 Concentrations**





PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: HAULROAD

ug/m<sup>3</sup>

Max: 16.2 [ug/m<sup>3</sup>] at (514098.40, 4977983.03)



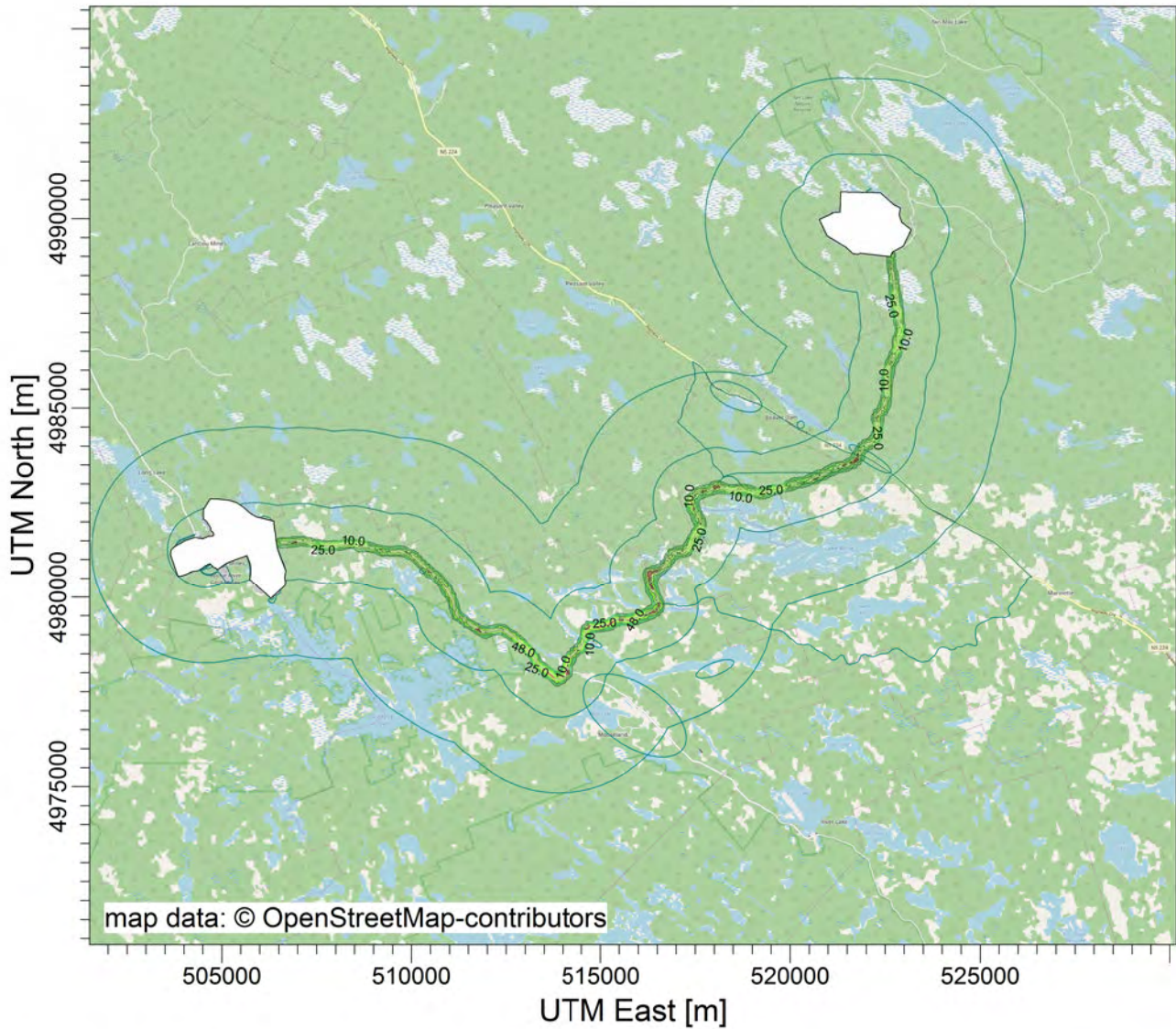
<p>COMMENTS:</p> <p>Dust control measures along haul road (75% effective), assumed.</p>	<p>SOURCES:</p> <p><b>4</b></p>	<p>COMPANY NAME:</p> <p><b>Beaver Dam Mine Project</b></p>	
	<p>RECEPTORS:</p> <p><b>15089</b></p>	<p>MODELER:</p> <p><b>GHD</b></p>	
	<p>OUTPUT TYPE:</p> <p><b>Concentration</b></p>	<p>SCALE:</p> <p>1:184,173</p> <p>0  5 km</p>	
	<p>MAX:</p> <p><b>16.2 ug/m<sup>3</sup></b></p>	<p>DATE:</p> <p><b>2/22/2019</b></p>	<p>PROJECT NO.:</p> <p><b>088664</b></p>



PROJECT TITLE:

**Figure 6.2-6**

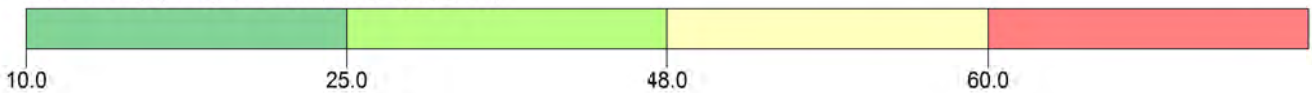
**Annual Average Total Particulate Matter Concentrations**





PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 5 YEARS FOR SOURCE GROUP: ALL

ug/m<sup>3</sup>

Max: 84.4 [ug/m<sup>3</sup>] at (516285.38, 4980640.90)



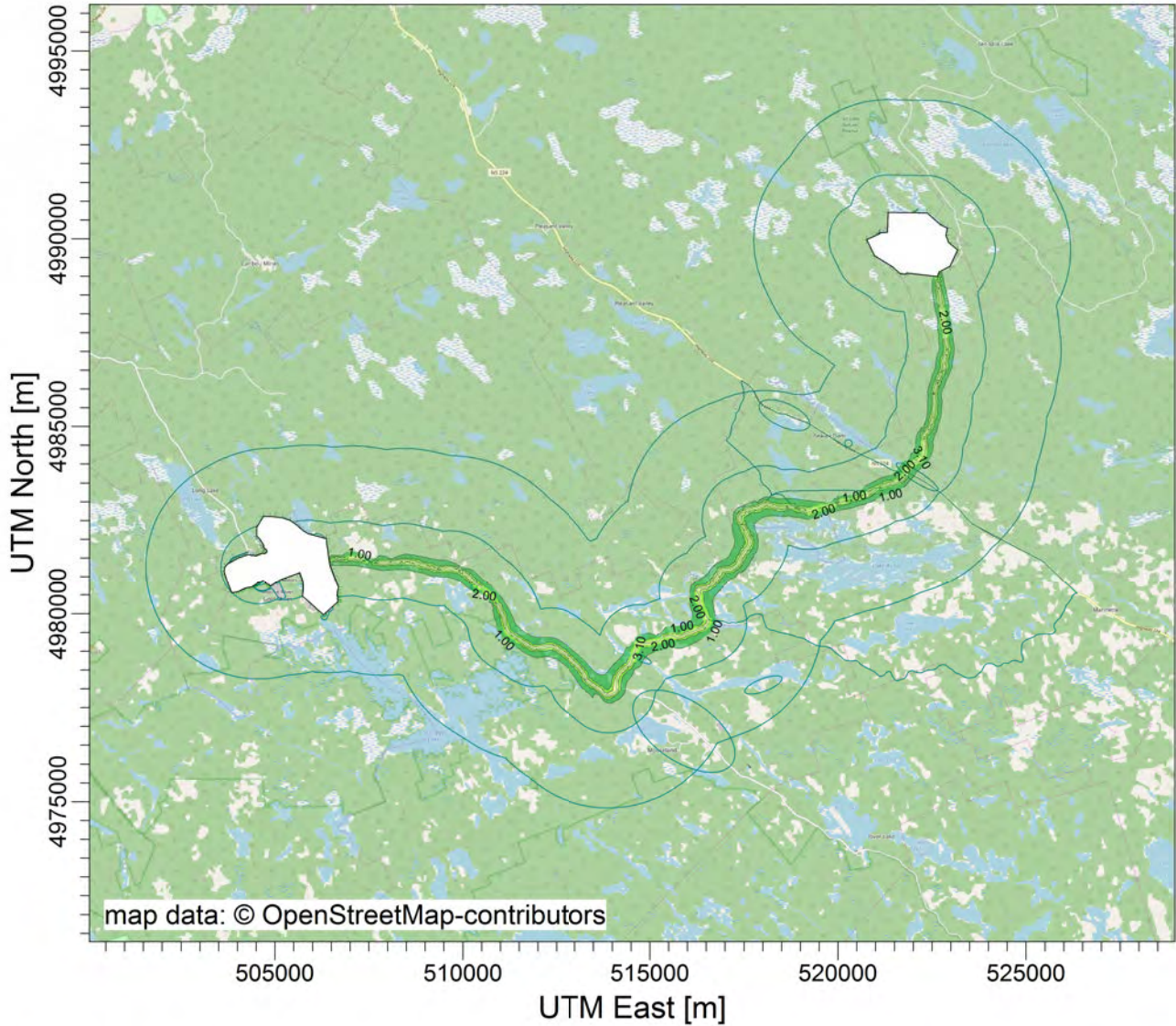
<p>COMMENTS:</p> <p>Dust control measures along haul road (75% effective), assumed.</p>	<p>SOURCES:</p> <p><b>4</b></p>	<p>COMPANY NAME:</p> <p><b>Beaver Dam Mine Project</b></p>	
	<p>RECEPTORS:</p> <p><b>15089</b></p>	<p>MODELER:</p> <p><b>GHD</b></p>	
	<p>OUTPUT TYPE:</p> <p><b>Concentration</b></p>	<p>SCALE: 1:182,714</p> <p>0  5 km</p>	
	<p>MAX:</p> <p><b>84.4 ug/m<sup>3</sup></b></p>	<p>DATE:</p> <p><b>2/22/2019</b></p>	<p>PROJECT NO.:</p> <p><b>088664</b></p>



PROJECT TITLE:

**Figure 6.2-7**

**Annual Average PM2.5 Concentrations**





PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 5 YEARS FOR SOURCE GROUP: HAULROAD

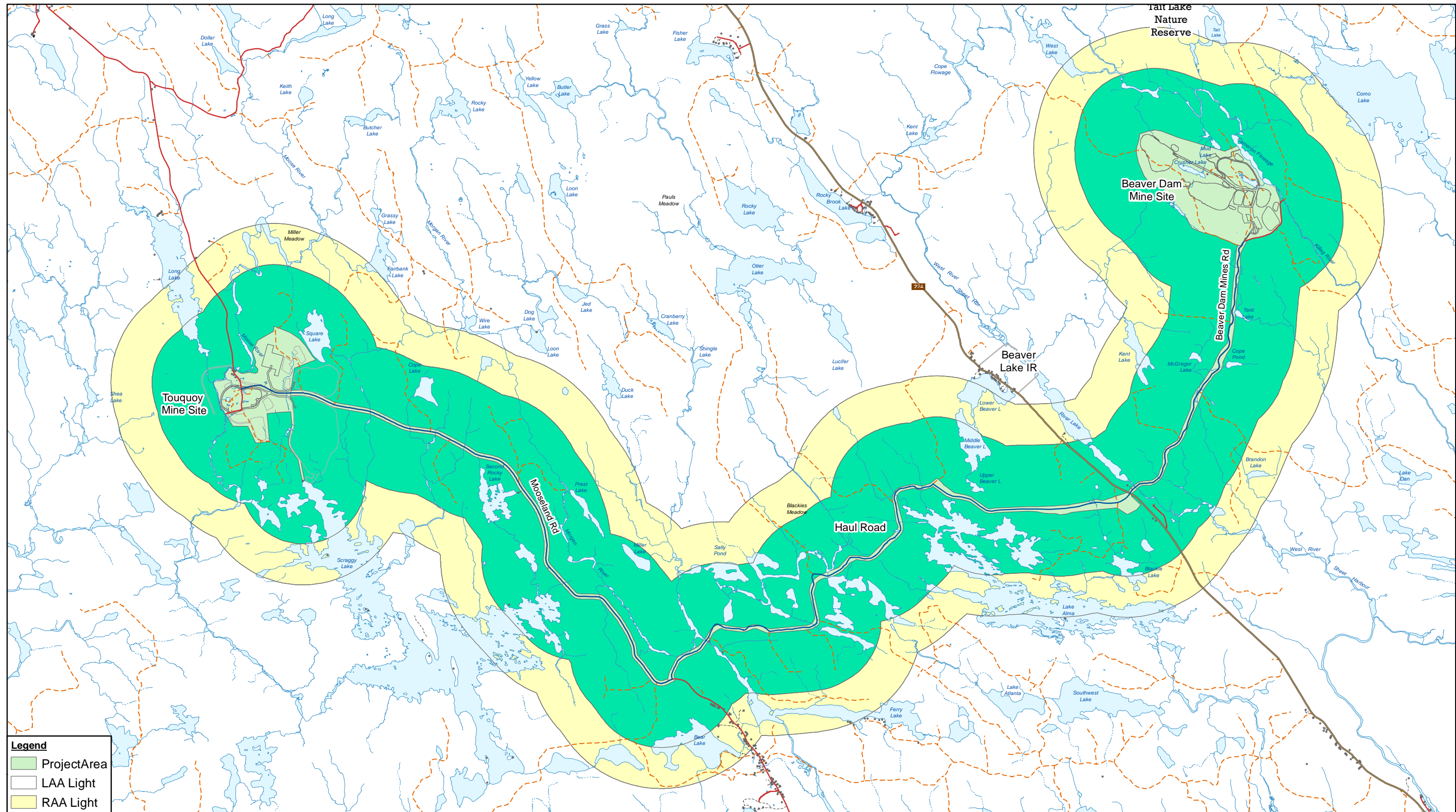
ug/m<sup>3</sup>

Max: 5.07 [ug/m<sup>3</sup>] at (514098.40, 4977983.03)

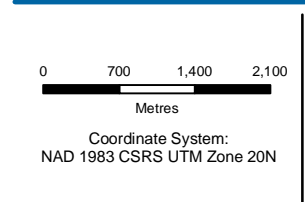


<p>COMMENTS:</p> <p>Dust control measures along haul road (75% effective), assumed.</p>	<p>SOURCES:</p> <p><b>4</b></p>	<p>COMPANY NAME:</p> <p><b>Beaver Dam Mine Project</b></p>	
	<p>RECEPTORS:</p> <p><b>15089</b></p>	<p>MODELER:</p> <p><b>GHD</b></p>	
	<p>OUTPUT TYPE:</p> <p><b>Concentration</b></p>	<p>SCALE:</p> <p>1:184,173</p> <p>0  5 km</p>	
	<p>MAX:</p> <p><b>5.07 ug/m<sup>3</sup></b></p>	<p>DATE:</p> <p><b>2/22/2019</b></p>	<p>PROJECT NO.:</p> <p><b>088664</b></p>





Source: Service Nova Scotia

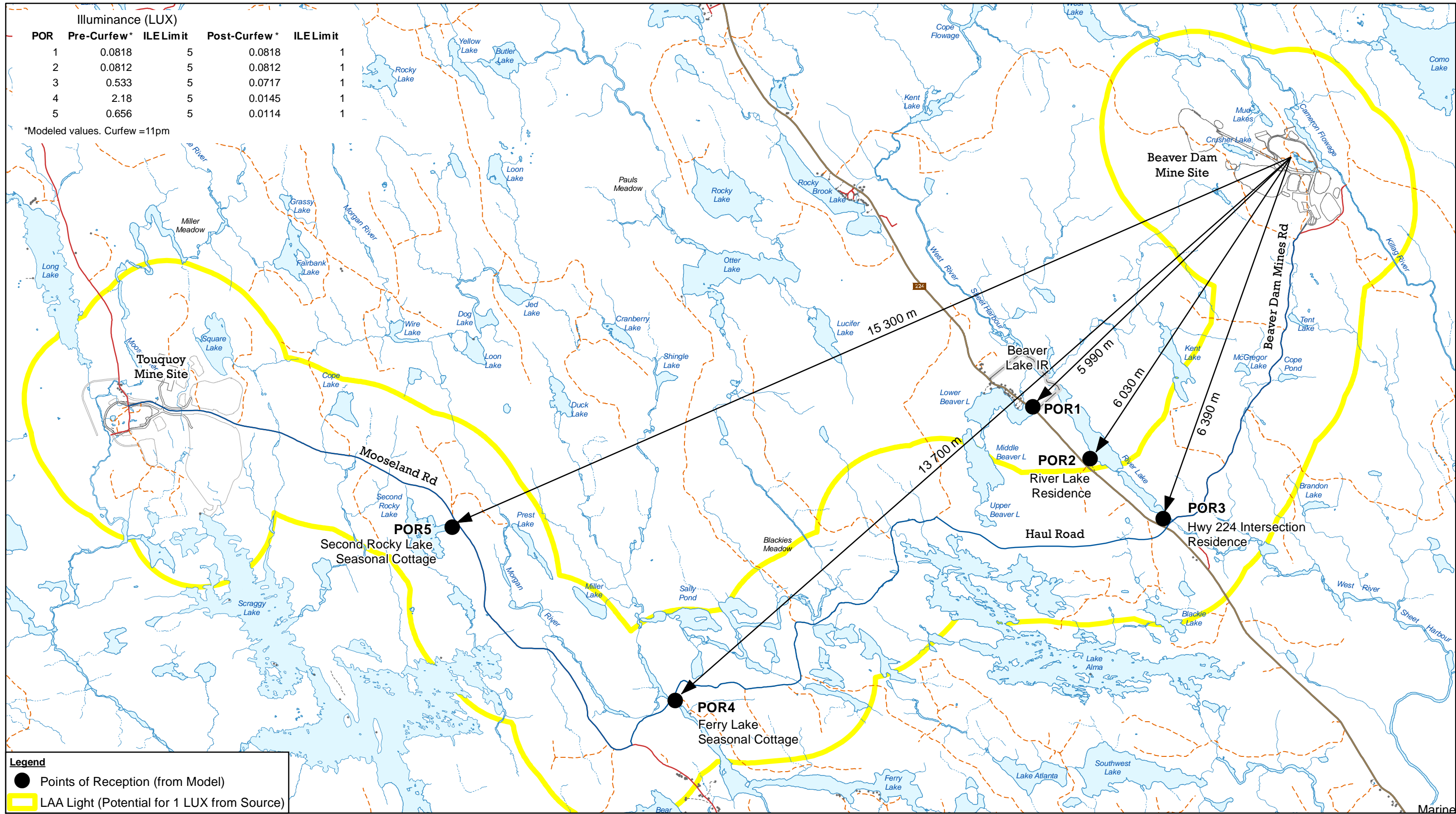


ATLANTIC GOLD CORPORATION  
 MARINETTE, HALIFAX CO., NOVA SCOTIA  
 ENVIRONMENTAL IMPACT STATEMENT - BEAVER DAM MINE  
 LOCAL AND REGIONAL ASSESSMENT AREA  
 LIGHT

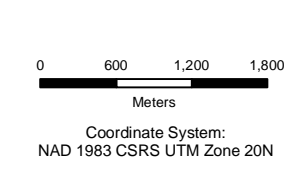
088664  
 Feb 19, 2019

FIGURE 6.3-1





Source: Insert source text here.

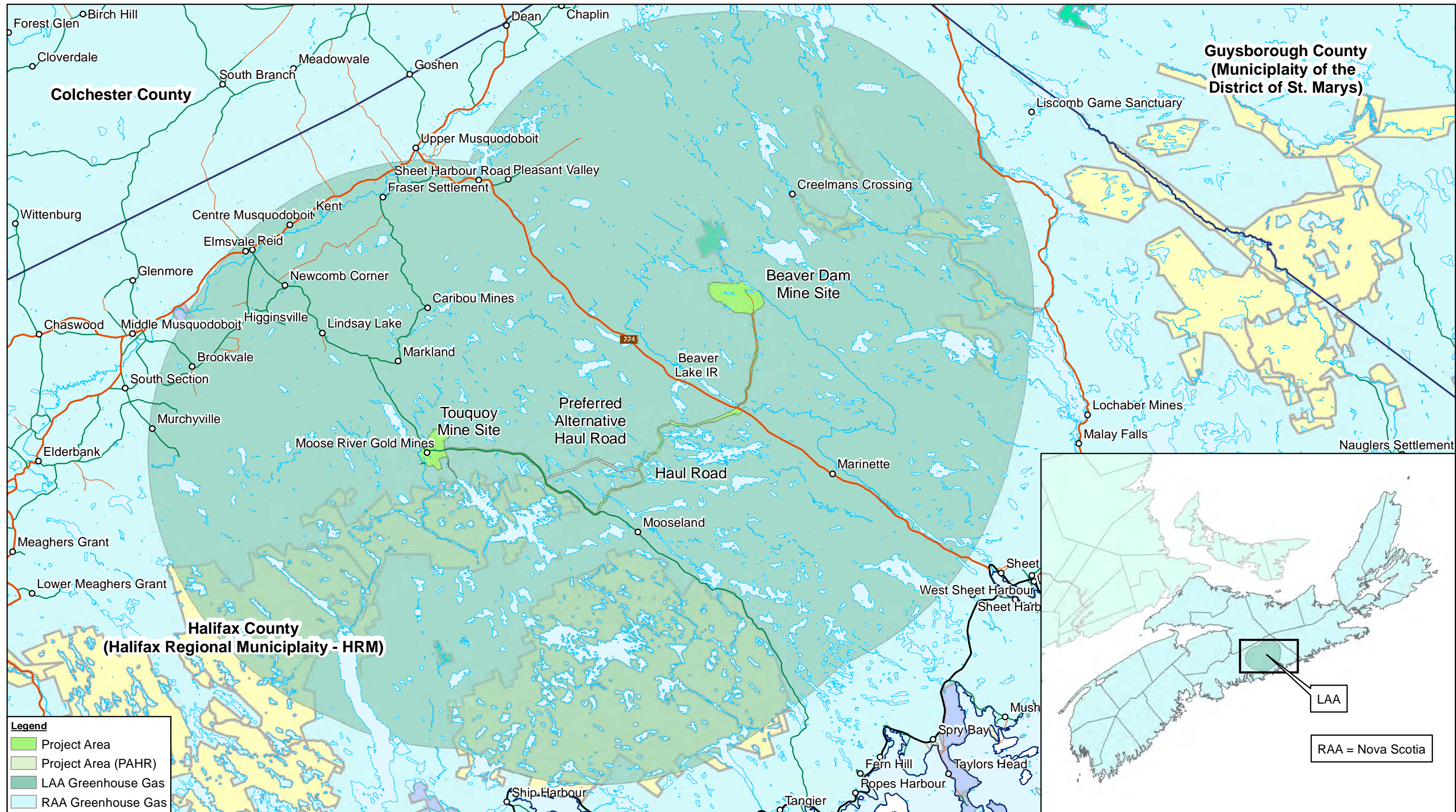


ATLANTIC GOLD CORPORATION  
MARINETTE, HALIFAX CO., NOVA SCOTIA  
ENVIRONMENTAL IMPACT STATEMENT - BEAVER DAM MINE  
LIGHT IMPACT FROM BEAVER DAM MINE  
AT POINTS OF RECEPTION LOCATION

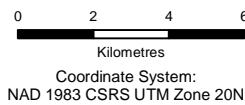
088664  
Feb 20, 2019

FIGURE 6.3-2





Source: Srevice Nova Scotia



Coordinate System:  
NAD 1983 CSRS UTM Zone 20N

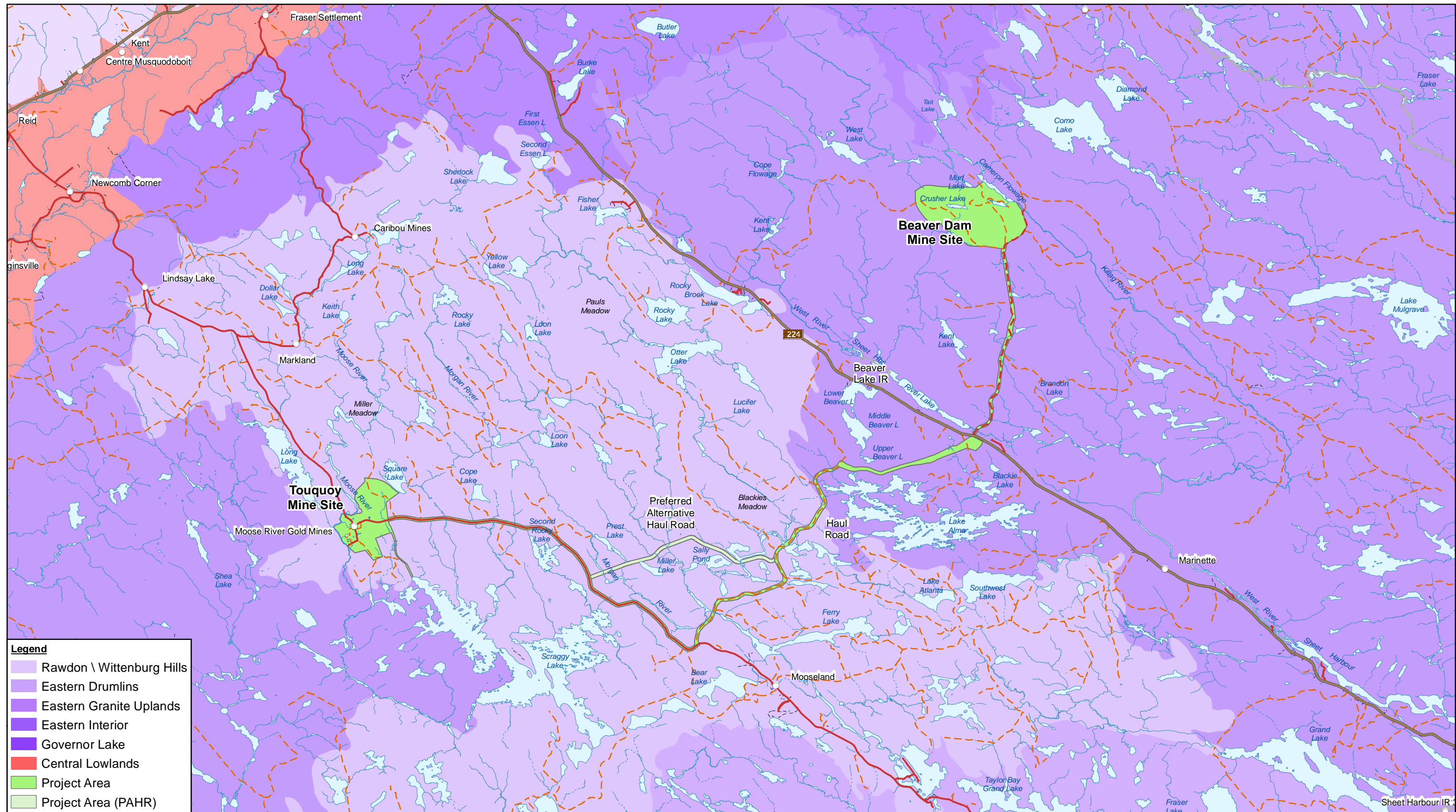


ATLANTIC GOLD CORPORATION  
MARINETTE, HALIFAX CO., NOVA SCOTIA  
ENVIRONMENTAL IMPACT STATEMENT - BEAVER DAM MINE  
LOCAL AND REGIONAL ASSESSMENT AREA  
GREENHOUSE GAS

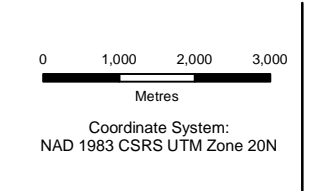
088664  
Feb 25, 2019

FIGURE 6.4-1





Source: Service Nova Scoti, NS Lands & Forestry



ATLANTIC GOLD CORPORATION  
 MARINETTE, HALIFAX CO., NOVA SCOTIA  
 ENVIRONMENTAL IMPACT STATEMENT - BEAVER DAM MINE

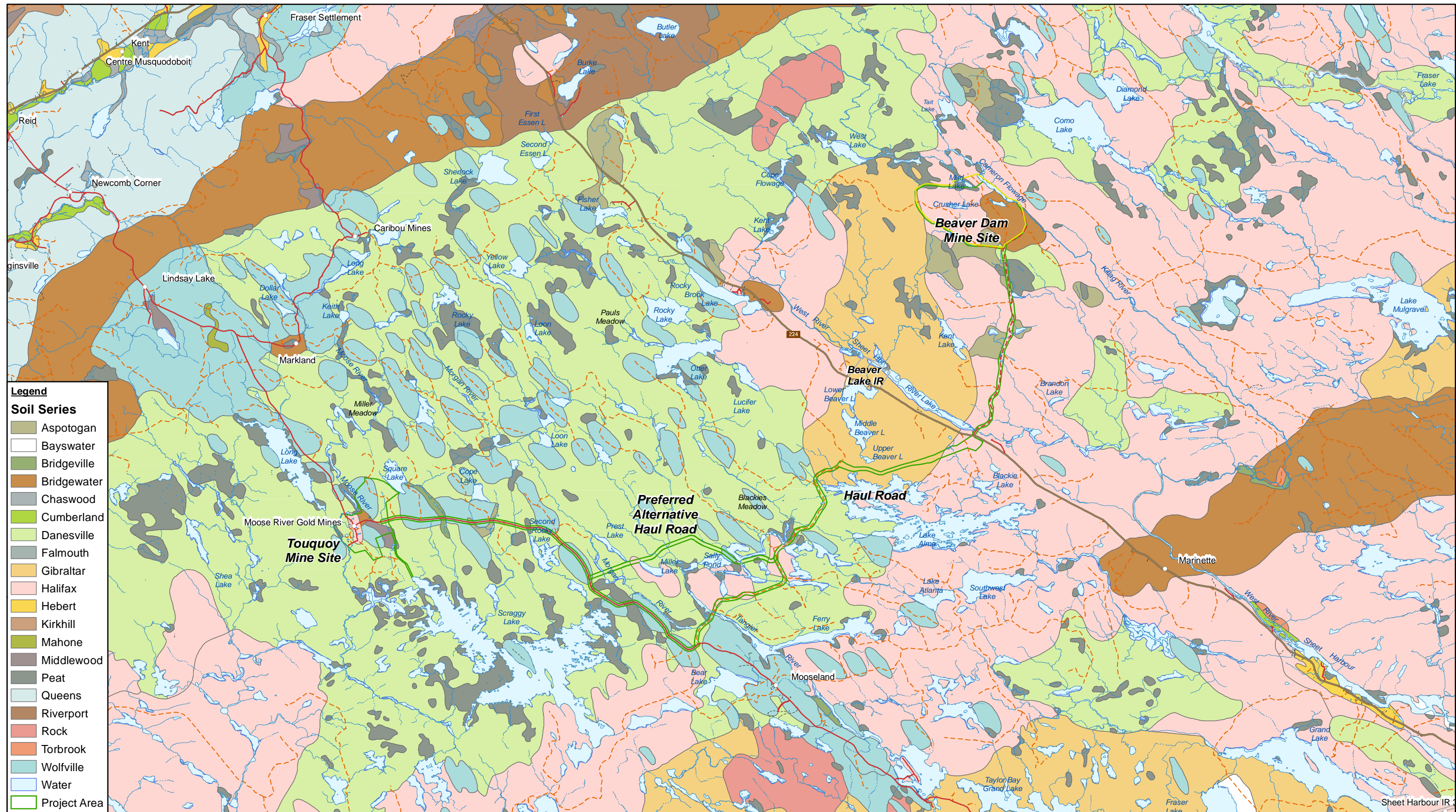
088664  
 Feb 25, 2019

ECODISTRICTS OF EASTERN NOVA SCOTIA

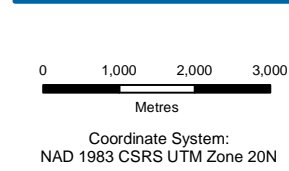
FIGURE 6.5-1

GIS File: I:\GIS\_DATA\Projects\6-chars\08----\088664 Atlantic BD\088664(004)\Revised2018\088664(004)GIS-DA021.mxd





Source: Service Nova Scotia, NS Agriculture



ATLANTIC GOLD CORPORATION  
 MARINETTE, HALIFAX CO., NOVA SCOTIA  
 ENVIRONMENTAL IMPACT STATEMENT - BEAVER DAM MINE

088664  
 Feb 25, 2019

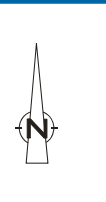
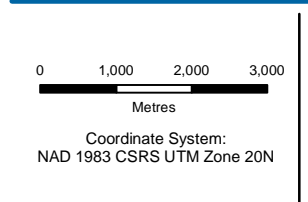
REGIONAL SOILS

FIGURE 6.5-2





Source: Service Nova Scotia; NS Energy & Mines



ATLANTIC GOLD CORPORATION  
MARINETTE, HALIFAX CO., NOVA SCOTIA  
ENVIRONMENTAL IMPACT STATEMENT - BEAVER DAM MINE

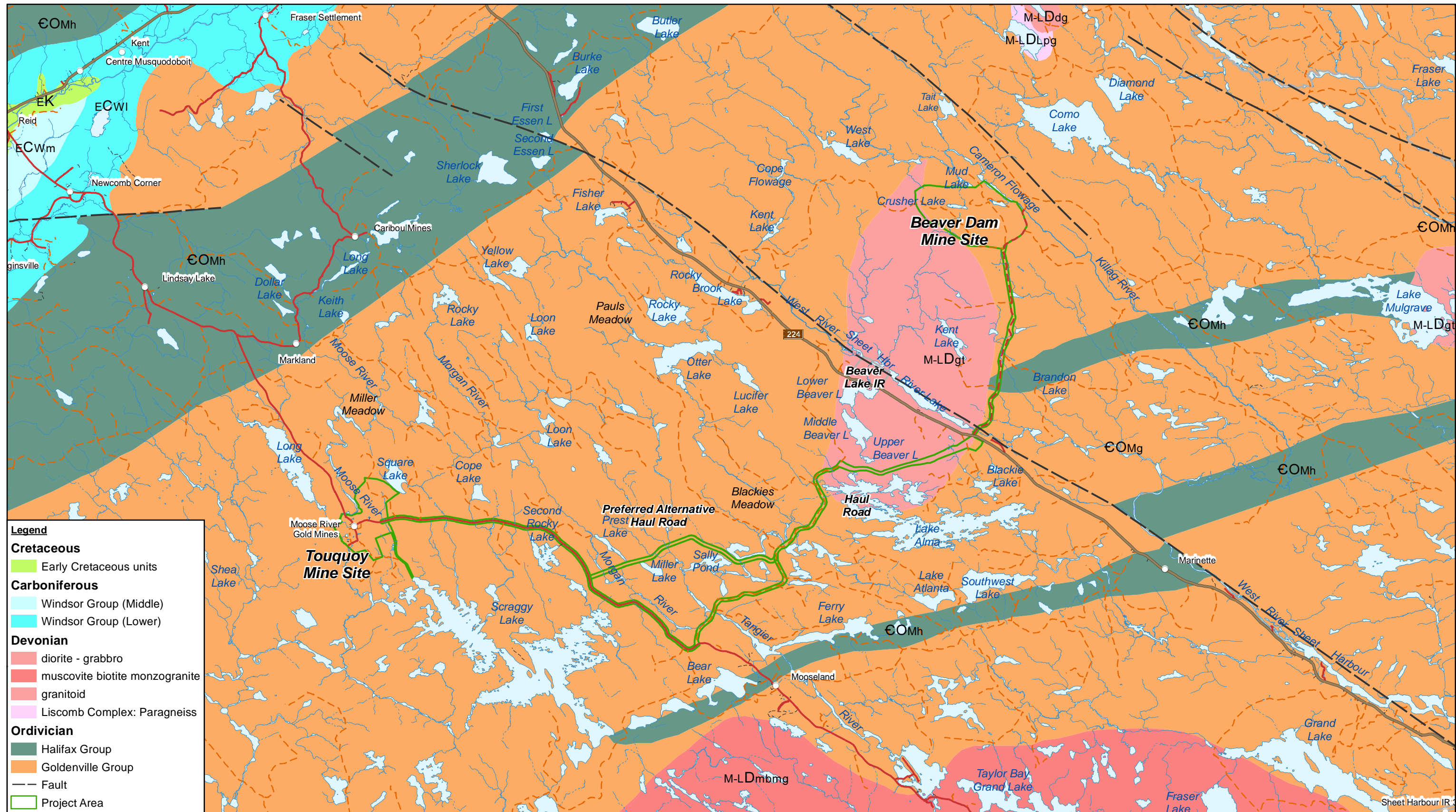
088664

Feb 25, 2019

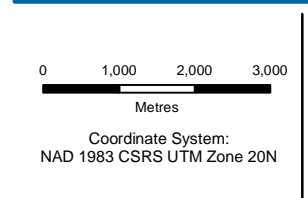
REGIONAL SURFICIAL GEOLOGY

FIGURE 6.5-3





Source: Service Nova Scotia, NS Energy & Mines



ATLANTIC GOLD CORPORATION  
MARINETTE, HALIFAX CO., NOVA SCOTIA  
ENVIRONMENTAL IMPACT STATEMENT - BEAVER DAM MINE

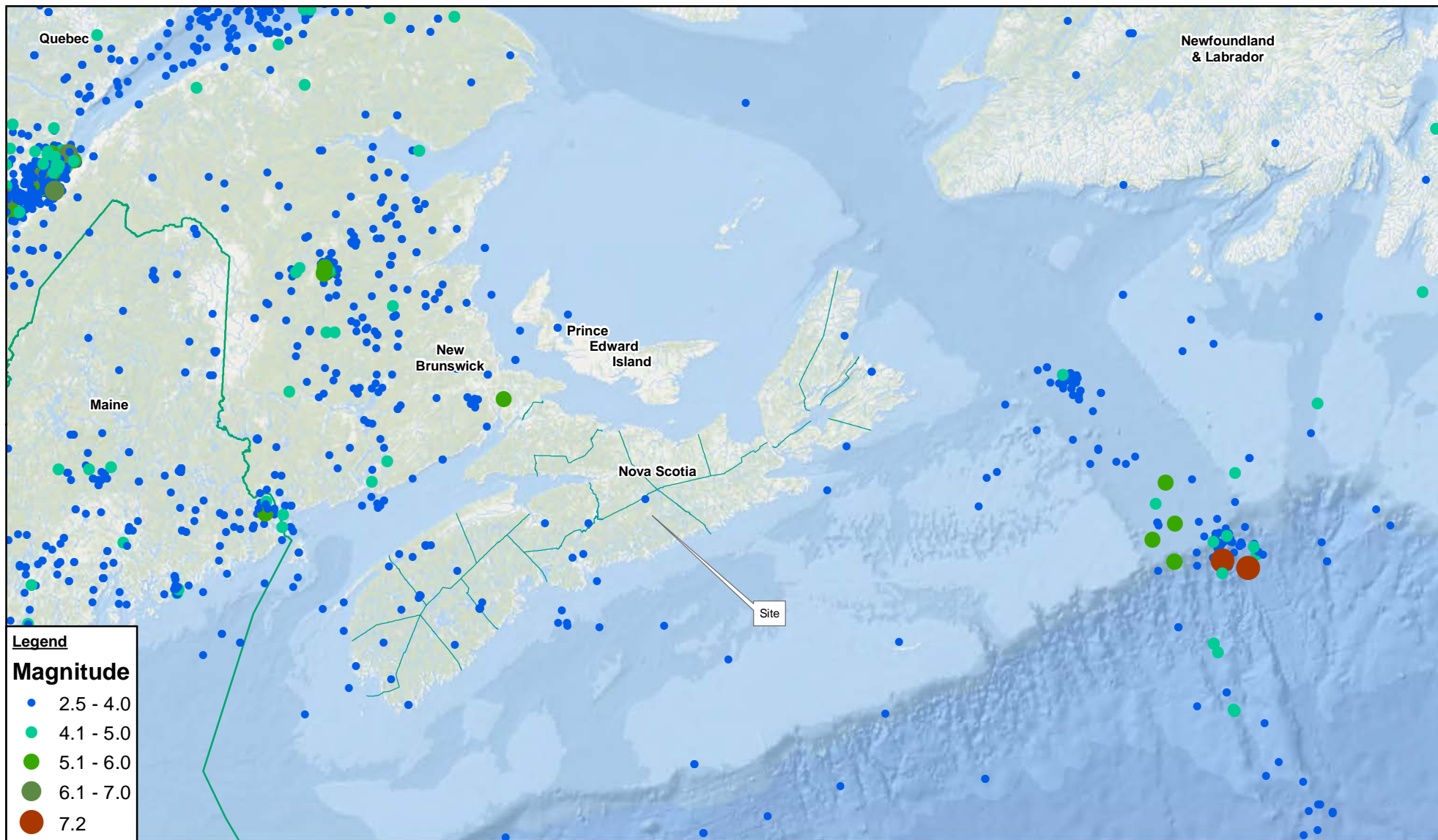
088664

Feb 25, 2019

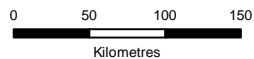
REGIONAL BEDROCK GEOLOGY

FIGURE 6.5-4





Source: Earthquakes Canada; USGS-National Earthquake Hazards Program; Esri, Garmin, GEBCO, NOAA NGDC, and other contributors



Coordinate System:  
NAD 1983 CSRS UTM Zone 20N



ATLANTIC GOLD CORPORATION  
MARINETTE, HALIFAX CO., NOVA SCOTIA  
ENVIRONMENTAL IMPACT STATEMENT - BEAVER DAM MINE  
DISTRIBUTION AND MAGNITUDE OF EARTHQUAKES  
RECORDED IN EASTERN CANADA (1630-2016)

088664  
Jan 8, 2019

FIGURE 6.5-6