



**APPENDIX A. FIGURES**

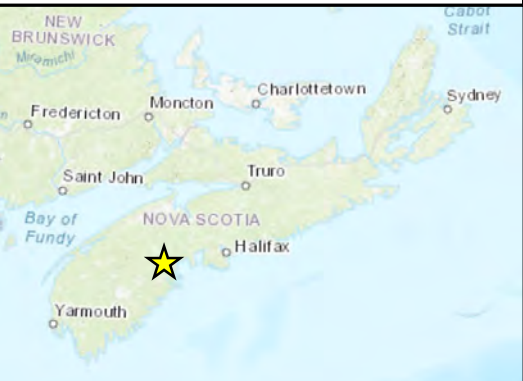
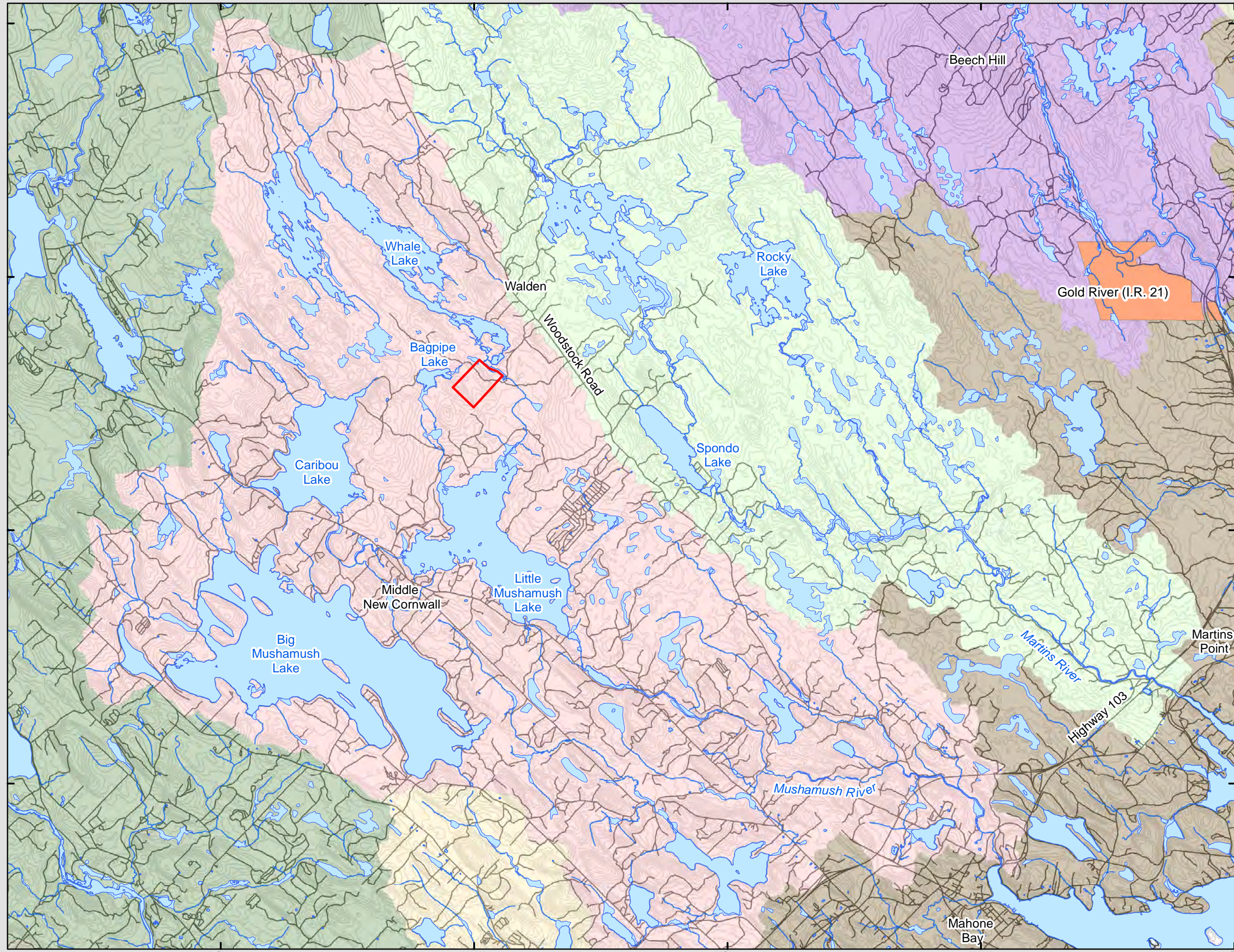
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### FIGURE 1

Project Location  
Walden Quarry Expansion  
Walden, NS

- Roads
- Contour Line (5m)
- Mapped Watercourse (NSTDB)
- Mapped Waterbody (NSTDB)
- Gold River Secondary Watershed
- LaHave River Secondary Watershed
- Marsh Brook Secondary Watershed
- Martins River Secondary Watershed
- Middle River Secondary Watershed
- Mushamush River Secondary Watershed
- Shore Direct Secondary Watershed
- Mi'kmaq Community
- Study Area



Coordinate System: NAD 1983 CSRS UTM Zone 20N  
 Projection: Transverse Mercator  
 Datum: North American 1983 CSRS  
 Units: Meter

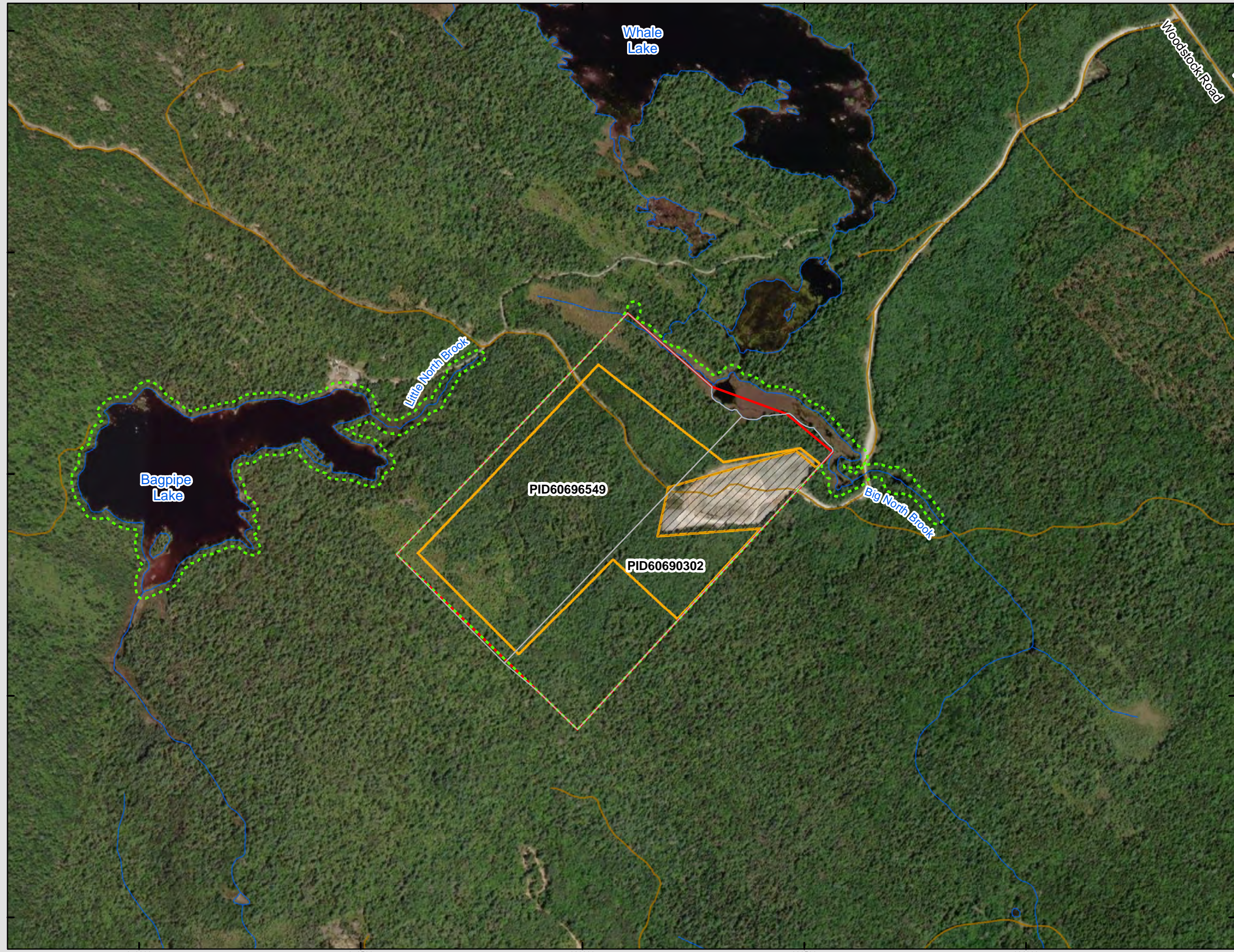


0 0.5 1 2 Km  
 1:70,000 Scale when printed @ 11" x 17"

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**FIGURE 2**

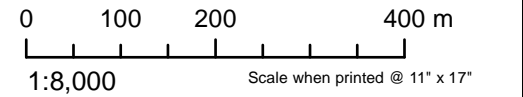
Quarry Expansion  
and Study Areas  
  
Walden Quarry Expansion  
  
Walden, NS

- Roads
- Mapped Watercourse (NSTDB)
- Dexter Property PIDs (not surveyed)
- IA Permit Area - Existing Quarry Footprint
- Fish Study Area
- Proposed Quarry Expansion Area
- Study Area

Note: All properties surrounding the QEA are private land.



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Projection: Transverse Mercator  
Datum: North American 1983 CSRS  
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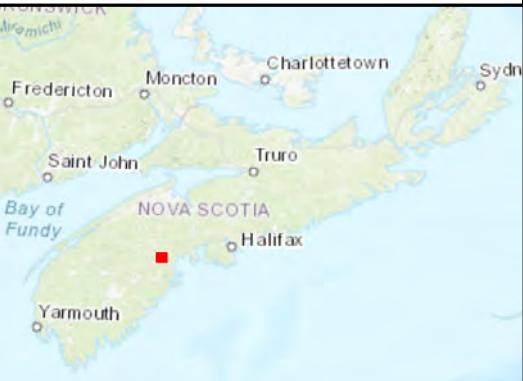
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### FIGURE 3

Closest Residences  
Walden Quarry Expansion  
Walden, NS

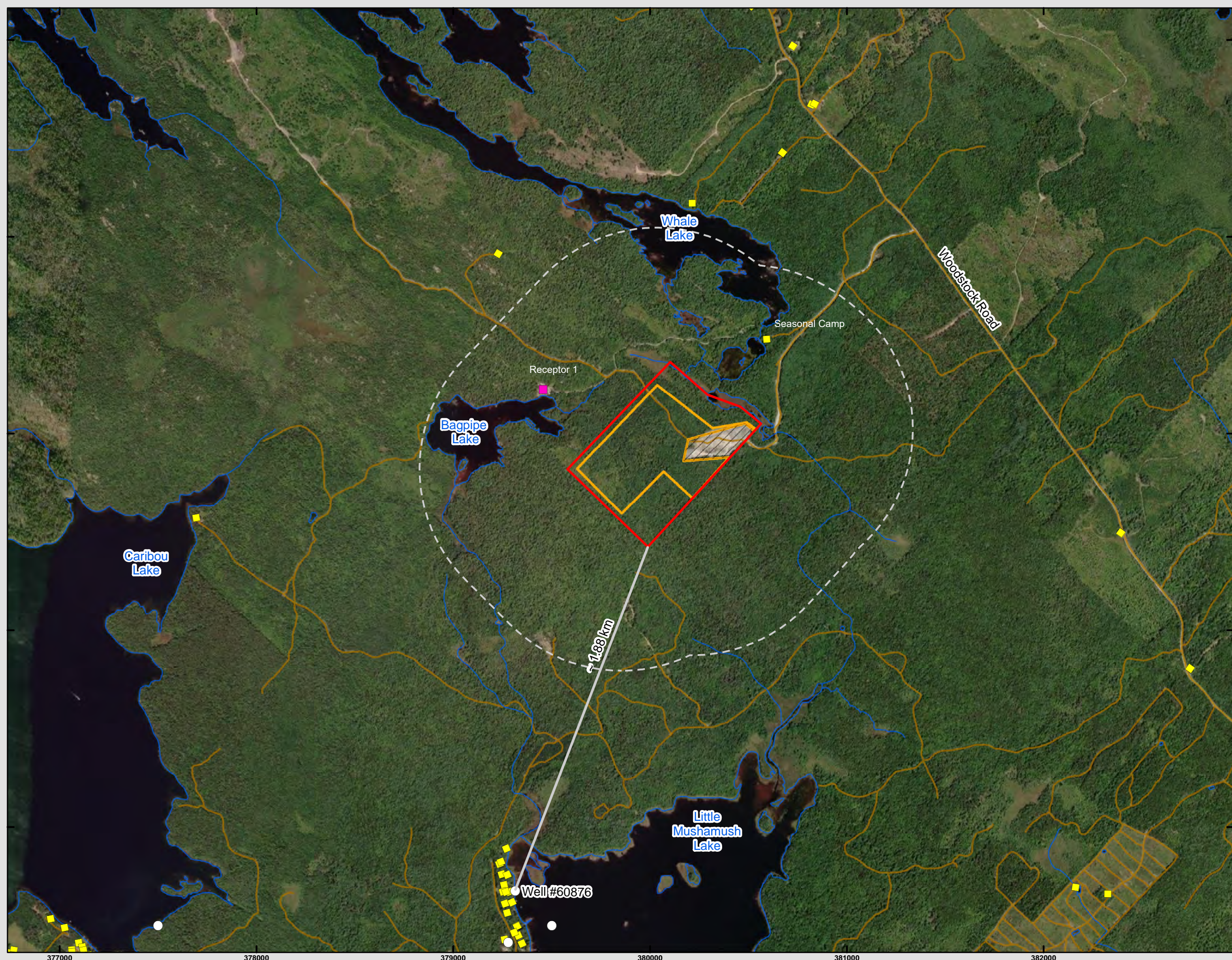
- Building (NSTDB)
- Nearest Residence (Receptor 1)
- Water Wells (NSTDB)
- Roads
- Mapped Watercourse (NSTDB)
- Quarry Expansion Area 800 m Buffer
- Buffer
- IA Permit Area - Existing Quarry Footprint
- Proposed Quarry Expansion Area
- Study Area



Coordinate System: NAD 1983 CSRS UTM Zone 20N  
Projection: Transverse Mercator  
Datum: North American 1983 CSRS  
Units: Meter

0 150 300 600 m  
1:18,000 Scale when printed @ 11" x 17"

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### FIGURE 4

First Nations Communities  
Walden Quarry Expansion  
Walden, NS

- Project Location
- Mi'kmaq Communities
- Gold River (I.R. 21)
- Study Area



Coordinate System: NAD 1983 CSRS UTM Zone 20N  
Projection: Transverse Mercator  
Datum: North American 1983 CSRS  
Units: Meter

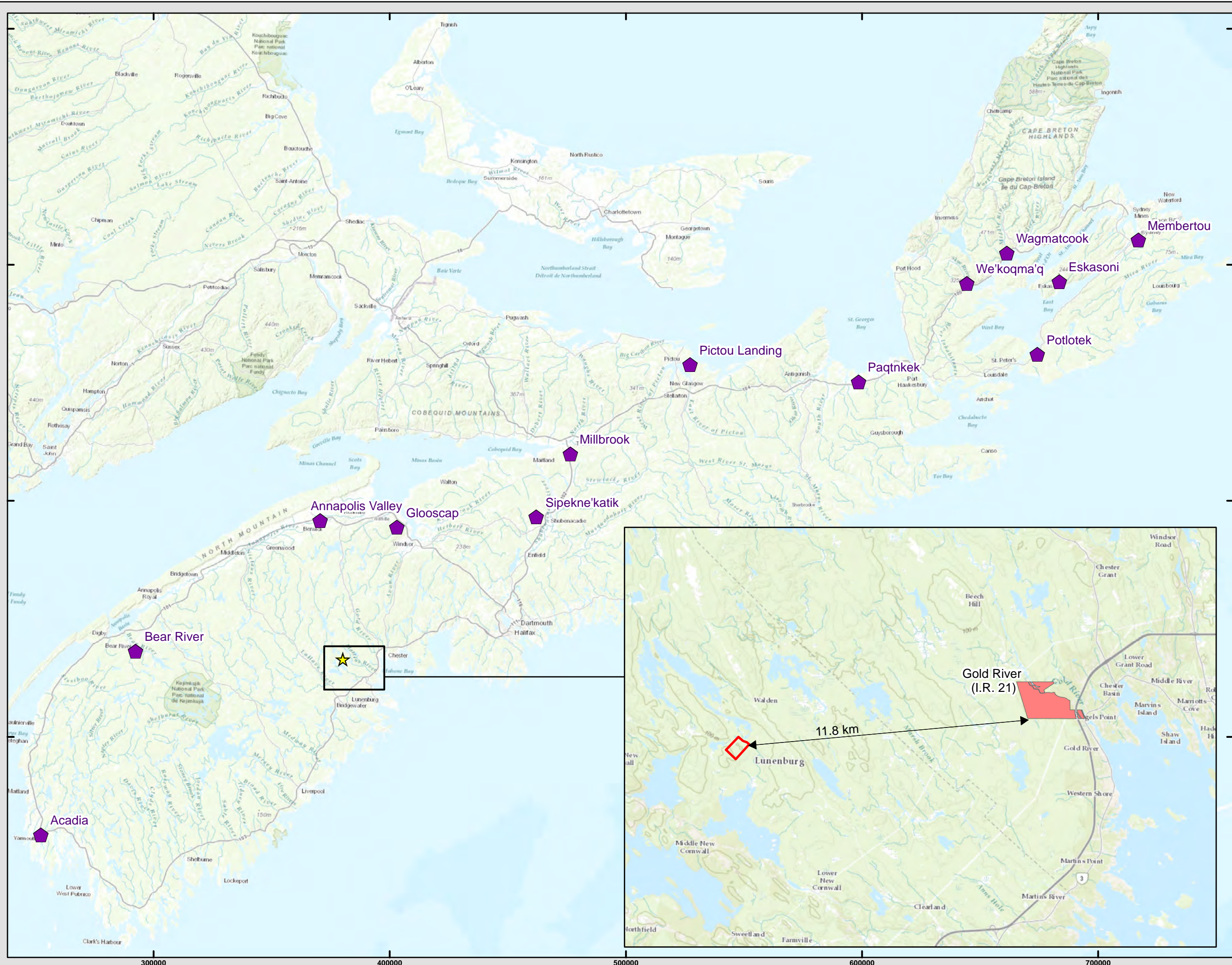
0 12.5 25 50 km

1:1,500,000 Scale when printed @ 11" x 17"

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### FIGURE 5

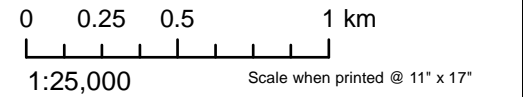
Site Sensitivity  
Walden Quarry Expansion  
Walden, NS

- Building (NSTDB)
- Water Wells (NSTDB)
- ACCDC Observation**
- ▲ Bird
- Insect
- Plant
- ✂ Abandoned Mine Opening
- Mapped Watercourse (NSTDB)
- Wetland of Special Significance (NSTDB)
- Snapping Turtle Habitat (NSDNR Significant Habitat Database 2018)
- Boreal Felt Lichen Predictive Habitat
- Mainland Moose Core Habitat
- Crown Land
- NSECC Wetland Inventory
- IA Permit Area - Existing Quarry Footprint
- Proposed Quarry Expansion Area
- Study Area

\*Study Area within Mainland Moose Core Habitat layer



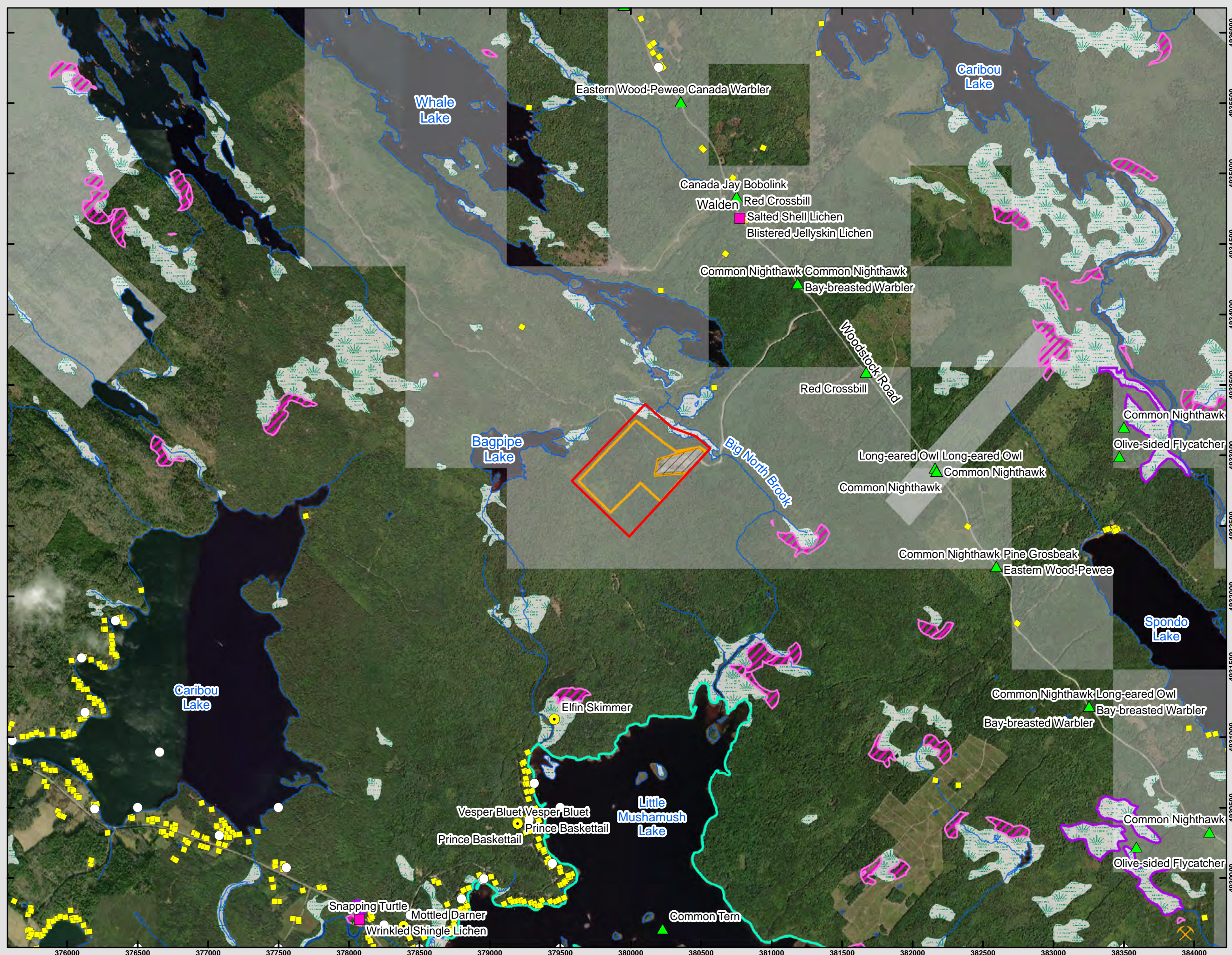
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Datum: North American 1983 CSRS  
Units: Meter



1:25,000  
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Document Name: 230801\_Walden\_EARD\_SiteSensitivity





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**FIGURE 6**

Habitat Assessment and  
Forest Ecosystem Classification

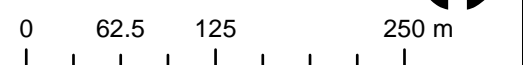
Walden Quarry Expansion

Walden, NS

- Habitat Point
- Mapped Watercourse (NSTDB)
- Contour Line (5m)
- Hardwood Forests
- Mixedwood Forests
- Softwood Forests
- Wetlands
- IA Permit Area - Existing Quarry Footprint
- Proposed Quarry Expansion Area
- Study Area



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 Projection: Transverse Mercator  
 Datum: North American 1983 CSRS  
 Units: Meter



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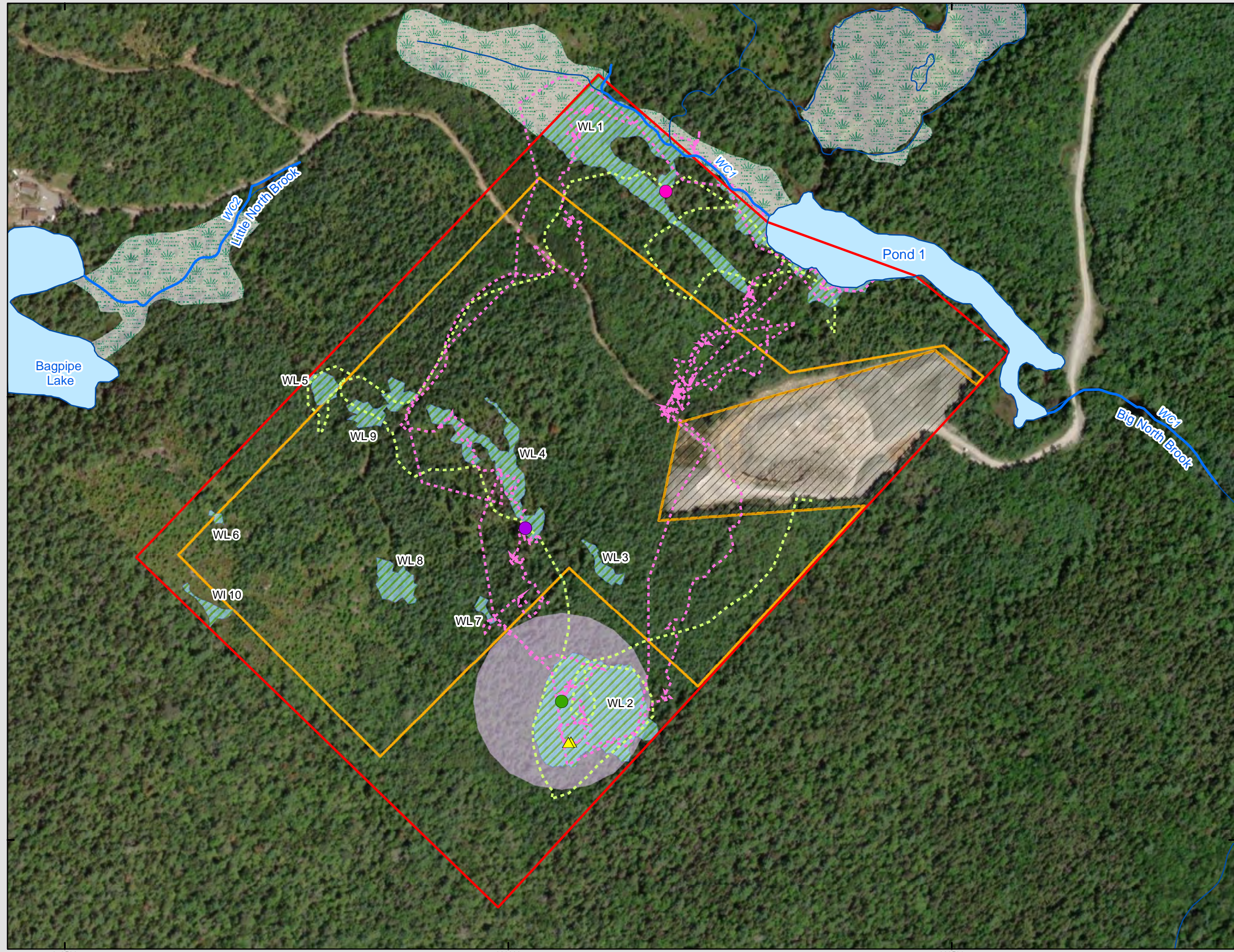


### FIGURE 7

## Vascular Plant and Lichen Survey Methods and Results

### Walden Quarry Expansion

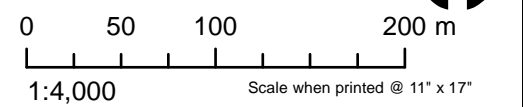
### Walden, NS



- |   |  |
|---|--|
| Sclerophora peronell - Frosted glass whiskers, SAR (S3S4) | Mapped Watercourse (NSTDB)                 |
| Collema nigrescens - Blistered tarpaper lichen (S3)       | Field Verified Watercourse                 |
| Fuscopannaria ahlneri - Curroated shingles lichen (S3)    | Field Verified Open Water                  |
| Neottia bifolia - Southern Twayblade, SOCI (S3)           | NSECC Wetland Inventory                    |
| SMP 100m Buffer   | Field Delineated Wetland                   |
| Lichen Surveys  | IA Permit Area - Existing Quarry Footprint |
| Botany Surveys  | Proposed Quarry Expansion Area             |
|   | Study Area                                 |



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Projection: Transverse Mercator  
Datum: North American 1983 CSRS  
Units: Meter

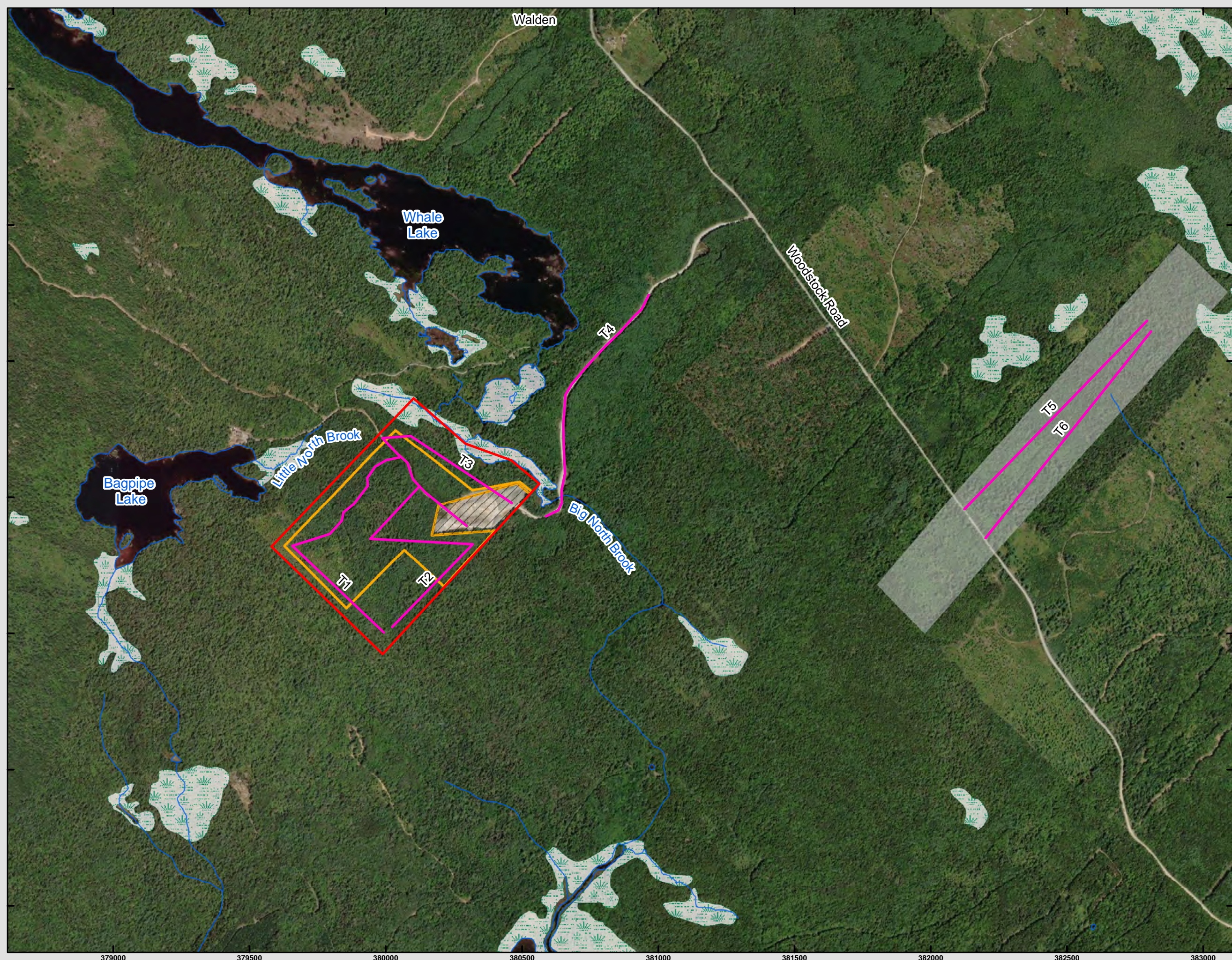


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**FIGURE 7B**

Mainland Moose Survey Transects  
 Walden Quarry Expansion  
 Walden, NS

- NSTDB Mapped Watercourse
- Mainland Moose Survey Transect
- Crown land
- NSECC Wetland Inventory
- IA Permit Area - Existing Quarry Footprint
- Proposed Quarry Expansion Area
- Study Area



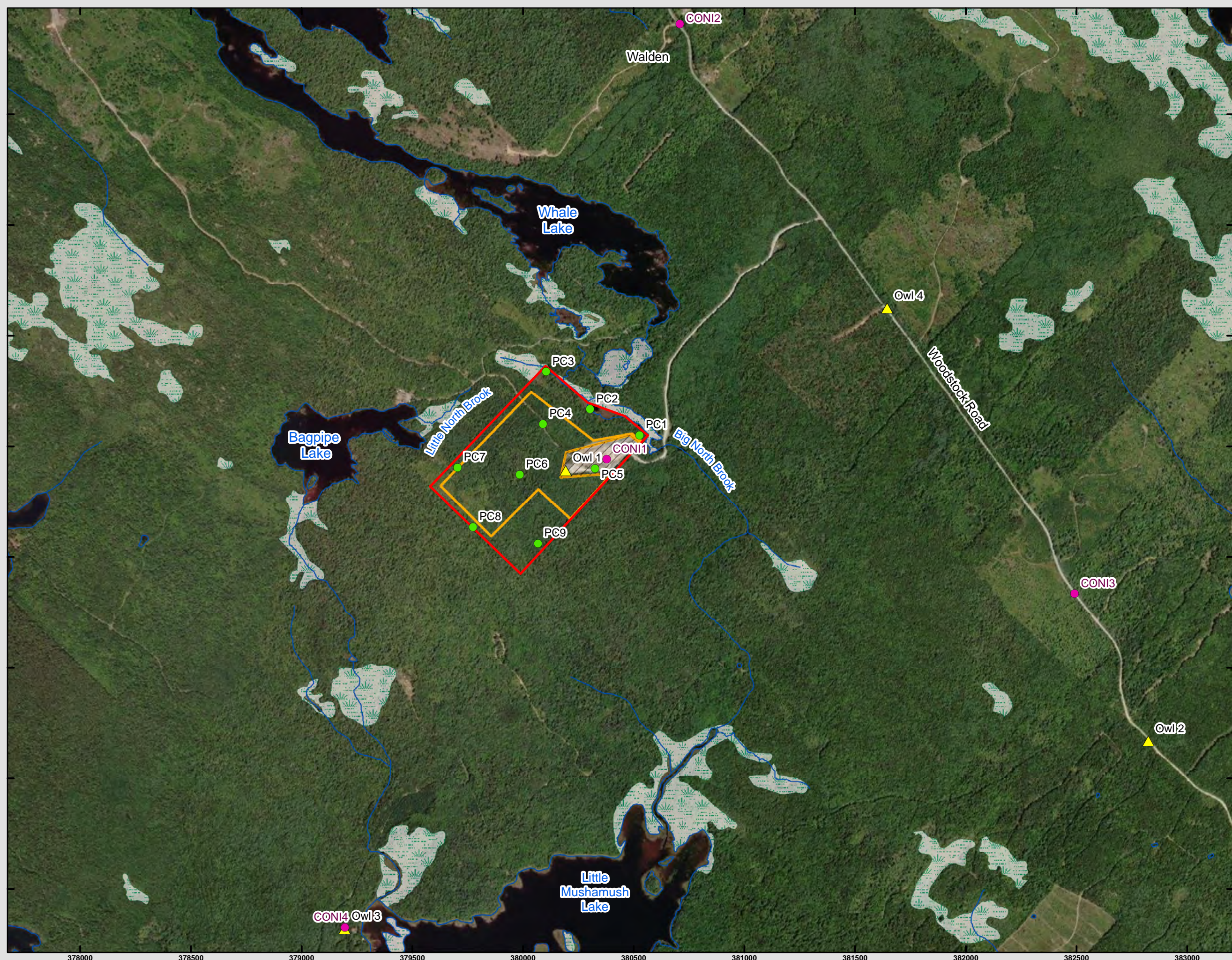
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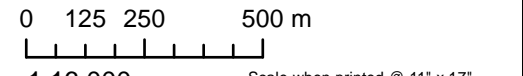
**FIGURE 8**

Avian Survey Methods  
 Walden Quarry Expansion  
 Walden, NS

- Avifauna Survey Point Count
- Common Nighthawk Survey Point Count
- ▲ Owl Survey Point Count
- Mapped Watercourse (NSTDB)
- NSECC Wetland Inventory
- IA Permit Area - Existing Quarry Footprint
- Proposed Quarry Expansion Area
- Study Area



Coordinate System: NAD 1983 CSRS UTM Zone 20N  
 Projection: Transverse Mercator  
 Datum: North American 1983 CSRS  
 Units: Meter



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