

Notes:

- Reference: Nova Scotia Property Records, 1:10,000 digital topographic mapping by Nova Scotia Geomatics Centre.
- Projection: NAD83(CSRS), UTM Zone 20 North.

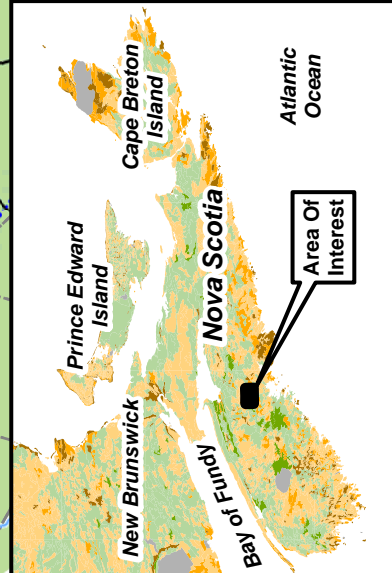
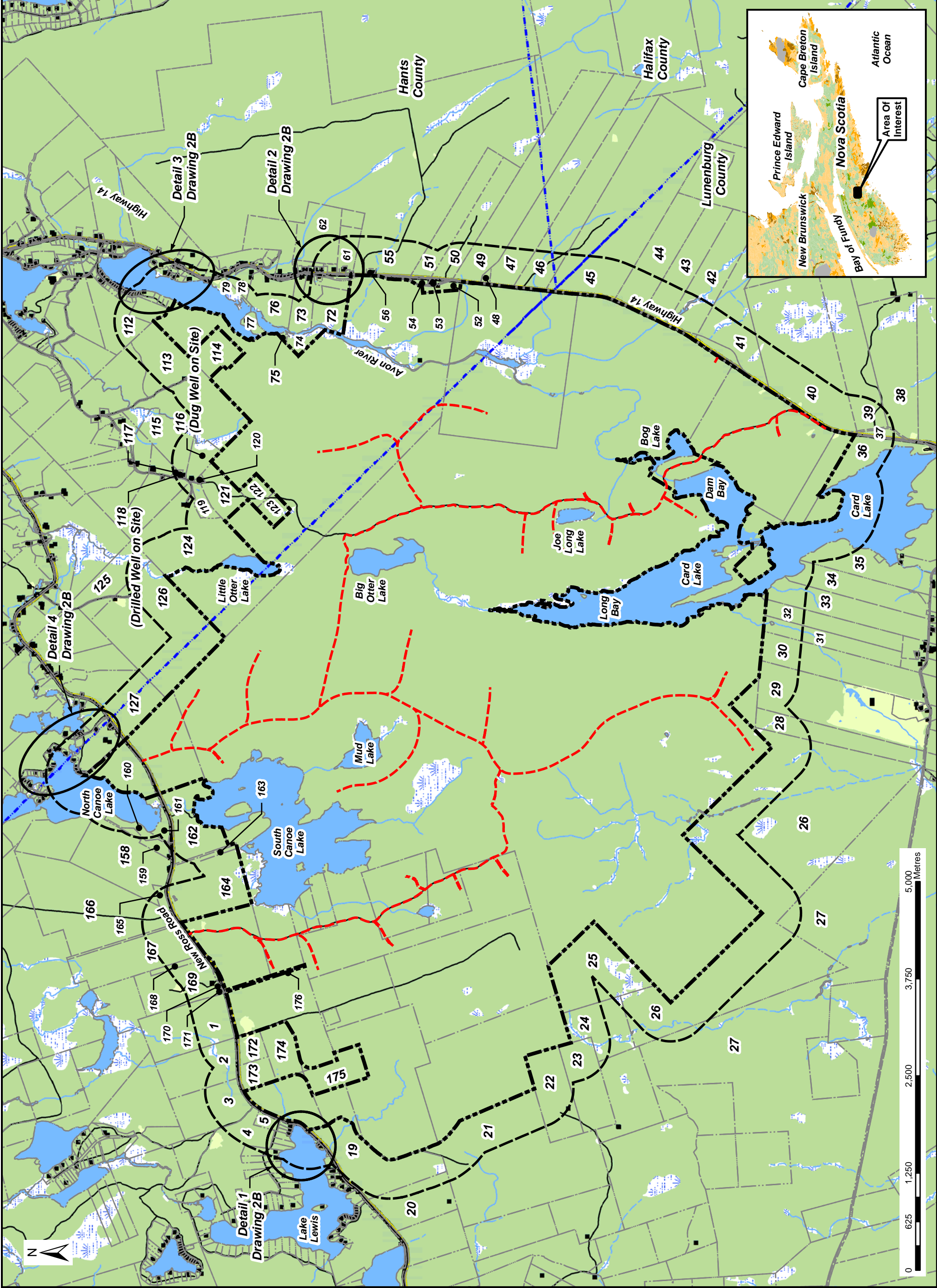
Legend:

- Proposed Roads
- 500m Boundary
- Site Boundaries
- Adjacent Properties
- Buildings
- County Boundary
- Roads
- Main Roads / Highways
- Stream
- Indefinite Stream
- Large Buildings
- Water Bodies
- Swamp
- Cleared Area

Site Plan and Adjacent Properties



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|-------------|-----------|------------|---------|
| Date: | Jan. 2012 | Project #: | 11-4314 |
| Scale: | 1:45,000 | Sheet: | 2A |
| Drawn By: | H. Serhan | | |
| Checked By: | M. Henley | | |



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- References: Nova Scotia Property Records, 1:10,000 digital topographic mapping by Nova Scotia Geomatics Centre.
- Projection: NAD83(CSRs), UTM Zone 20 North.

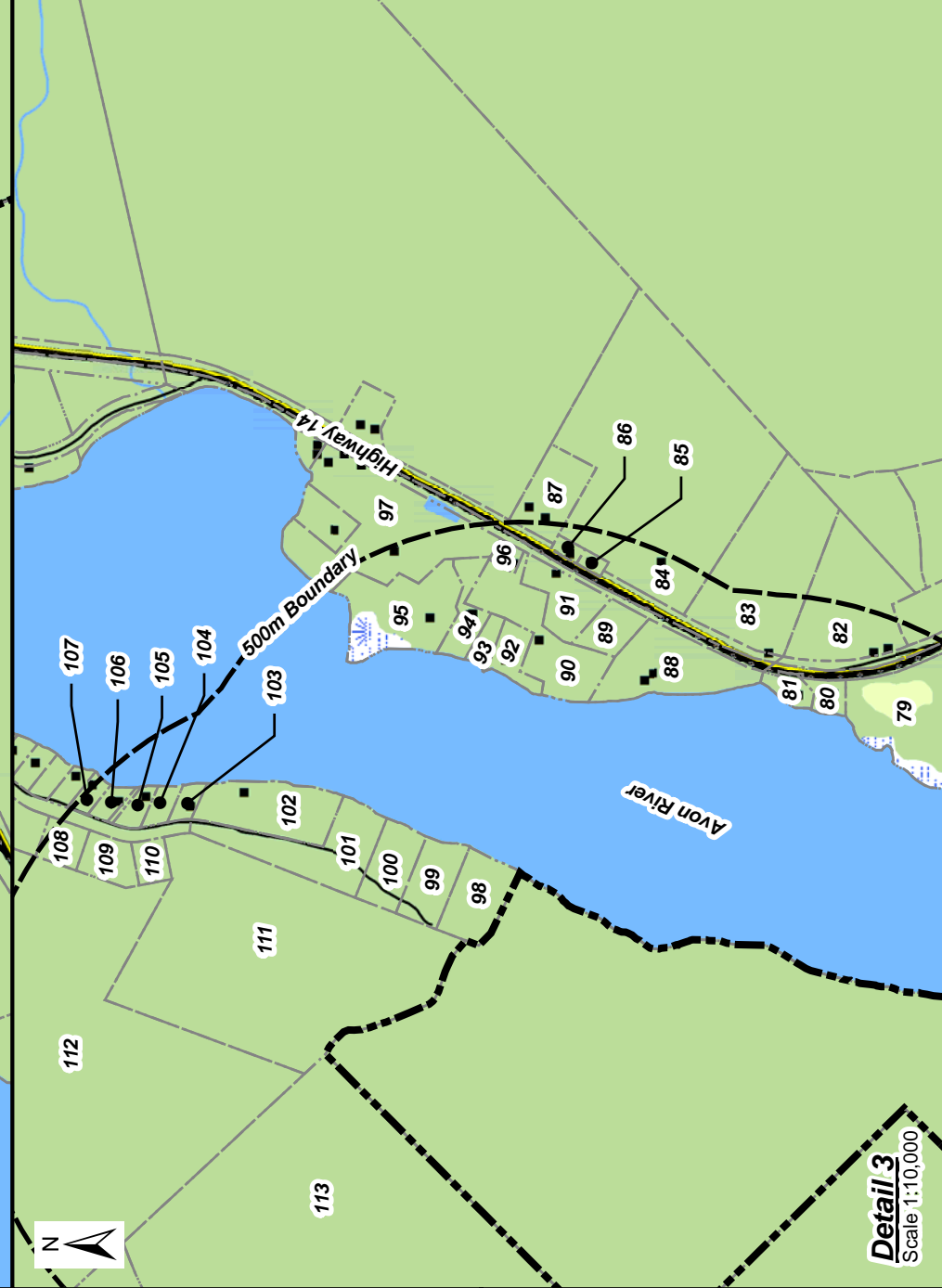
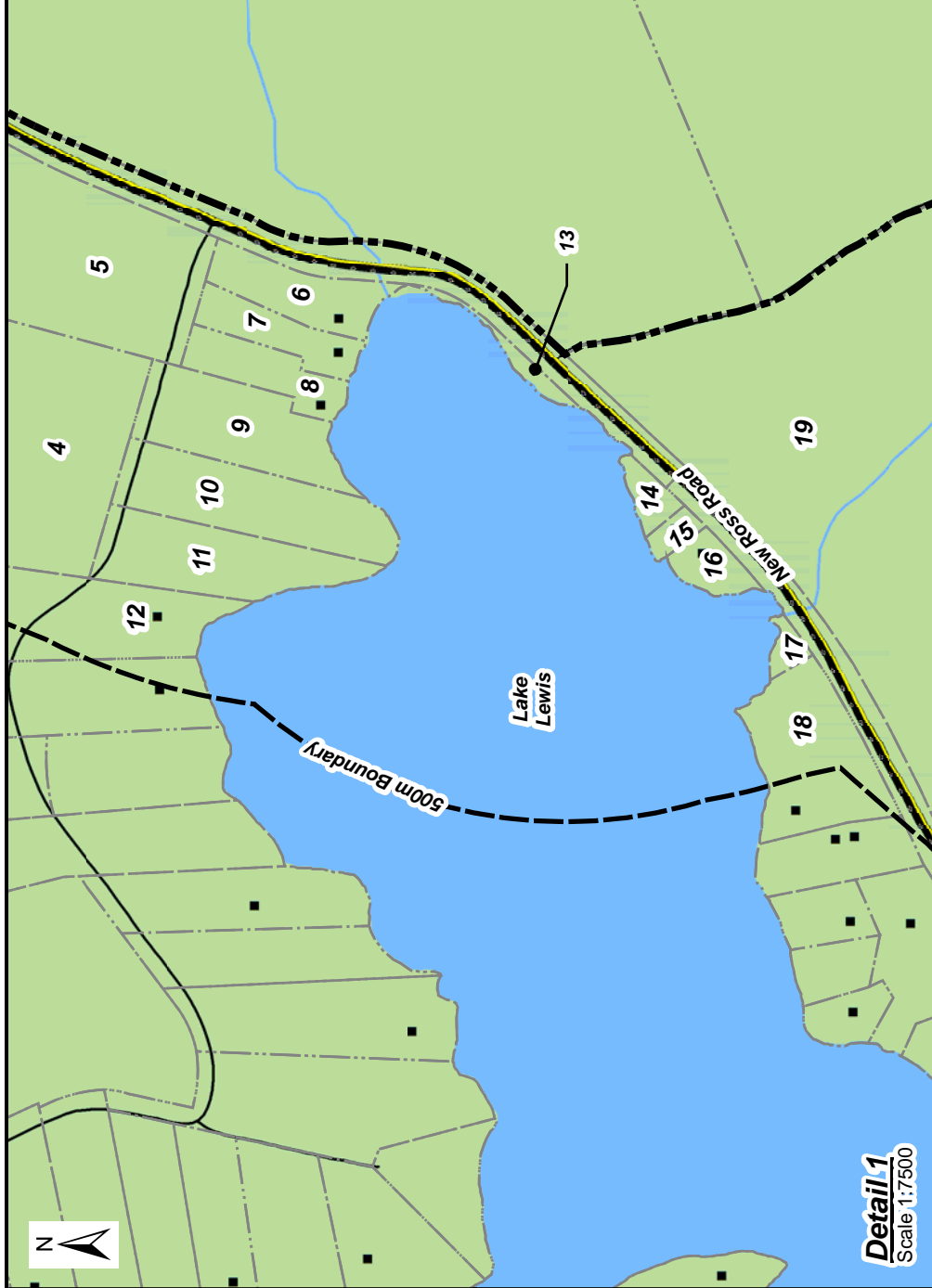
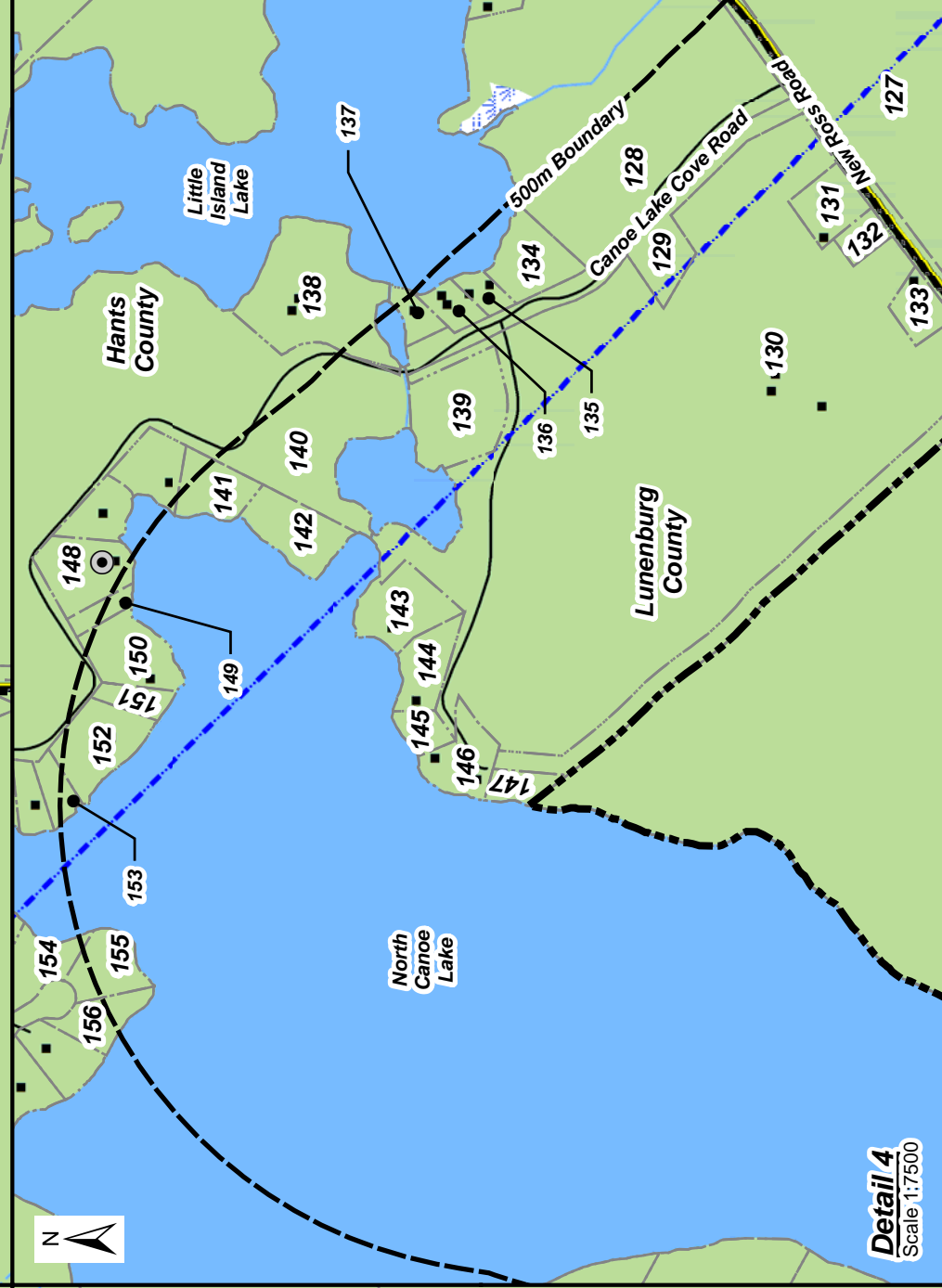
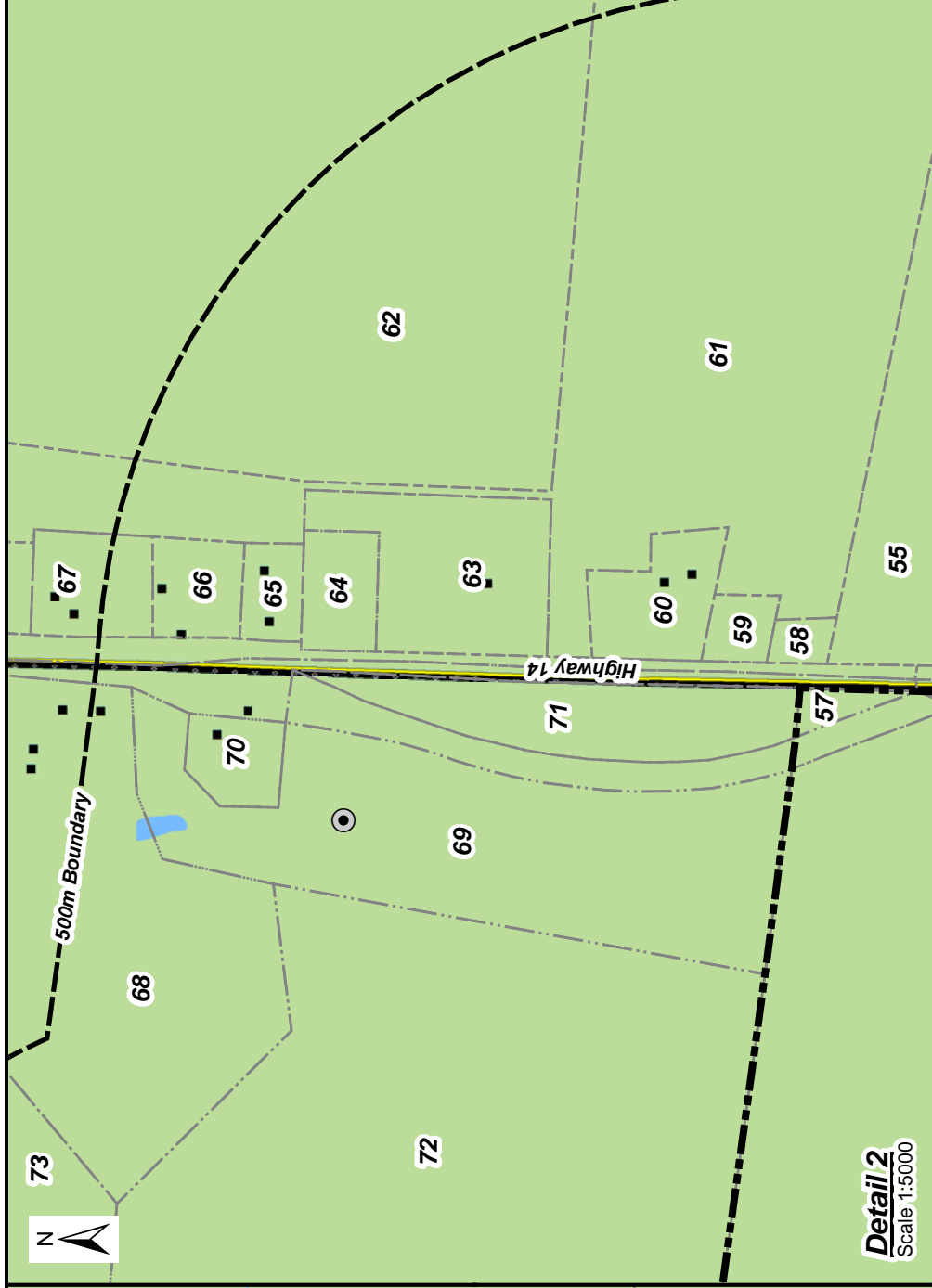
Legend:

- Site Boundaries
- Adjacent Properties
- County Boundary
- Roads
- Main Roads / Highways
- Stream
- Indefinite Stream
- Water Bodies
- Swamp
- Drilled Water Well

**Adjacent Properties
Details 1 of 1**

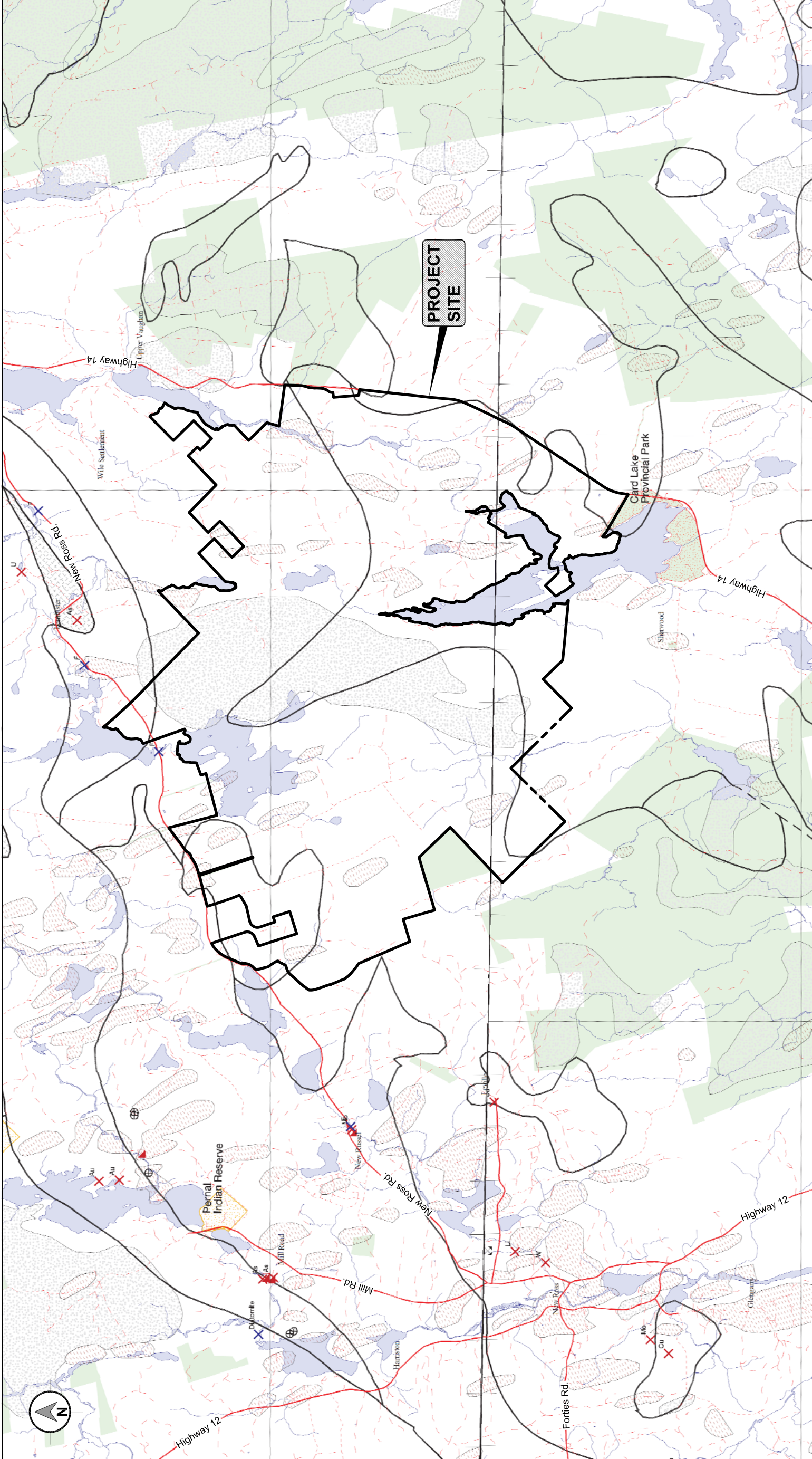


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| Date: | Jan. 2012 | Project #: | 11-4314 |
| Scale: | As Shown | Sheet: | 2B |
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| Checked By: | M. Henley | | |



Notes:

1. Reference: Nova Scotia Property Records, Mineral Resources Land-Use map of the Mount Unlace area (11D/13), OFM ME 2000-4, Version 2, compiled by D.B. Hopper, F.J. Bonner, B.E. Fisher and A.N. Murphy.
2. Projection: NAD83(CSRS), UTM Zone 20 North.



Mineral Resources Land-Use (MRLU)



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|-------------|-----------|
| PROJECT #: | 11-4314 |
| DATE: | Jan. 2012 |
| SCALE: | 1:75,000 |
| DRAWN BY: | H. Serhan |
| CHECKED BY: | M. Henley |

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LAND DESIGNATION AND ACCESS

The land owner's permission is required to gain access to any land in Nova Scotia.

- Protected Area (Study no access to commercial and industrial use by order of legislation, regulation, policy or private interest.)
- Natural Parks and Adjacent Areas: National Historic Site and Parks, National Wildlife Management Areas, National Defence Land, National Wildlife Signatures, Backs, National Heritage, Nature Conservancy of Canada (NCC), Areas under the Special Places Act, Flight 111 Act
- Limited Access Area (Access is possible although certain activities are restricted. Areas are usually identified for specific interests and access permission could be limited by owner, operator, or special interest depending upon the proposal activity.)
- Provincial Game Sanctuaries, Provincial Wildlife Management Areas, Water Supply Areas, Urban Areas, Sites of Ecological Significance (SES), Parks, Crown Proclamation Lands, Aquacultural Areas, Pipeline Corridor, Operational Non-Designated Parks and Habitats, Volcanic Land (BIV), and Trails Act Land
- General Access Area (This includes all provincially owned land that has not been designated as restricted or limited use.)
- Privately Owned Land

GEOLOGY FOR LAND-USE / ENVIRONMENTAL PLANNING

- Potential Karst Area
- Exposed Bedrock/Thin Till Cover
- Drumlin
- Flood Risk Area (20 yr. flood level)
- Water Supply Watershed Intake
- Water Supply Well (Municipal)
- Special Geological Interest
- Areal Extent of Underground Coal Mine Workings
- Abandoned Underground Mine Opening (metallic, non-metallic, coal)
- Abandoned Inactive Surface Mine/Quarry (Data is not available at this time)
- Reclaimed Surface Mine Site (Data is not available at this time)
- Drill Hole
- Sulphide-bearing Slate
- Geological Contacts
- Faults

ENERGY RESOURCES

- Active Coal Mine (lease/permit boundary)
- Coal Seam Trace (lease/permit boundary)
- Fuel Peat Occurrence
- Geothermal Resource Area
- Surface Petroleum Show
- Well /Drill hole with Petroleum Significance
- Underground Gas Storage (exploration area, exploration permit)


MINERAL AND AGGREGATE RESOURCES

- Mineral Occurrence (metallic, non-metallic)
- Active Mine/Quarry (metallic, non-metallic) (lease/permit boundary)
- Gold Mining Area (former gold district)
- Iron Mining Area (former iron district)
- Crown Limestone Area
- Sand/Gravel Deposit
- Aggregate Pit/Quarry
- Horicultural Peat Occurrence






Notes:

1. Reference: Nova Scotia Department of Natural Resources Map ME 1992-3, Surficial Geology Map of the Province of Nova Scotia, 1:500 000, by R. R. Stea, H. Conley and Y. Brown, 1992. Digital product compiled by R. R. Stea and B. E. Fisher.
2. Projection: NAD83(CSRS), UTM Zone 20 North.

Legend:

-  Site Boundaries
-  County Boundary
-  Highways

Surficial Geology By Unit

-  Bedrock
-  Organic Deposits
-  Silty Drumlins
-  Silty Till Plain (Ground Moraine)
-  Stony Till Plain

Surficial Geology



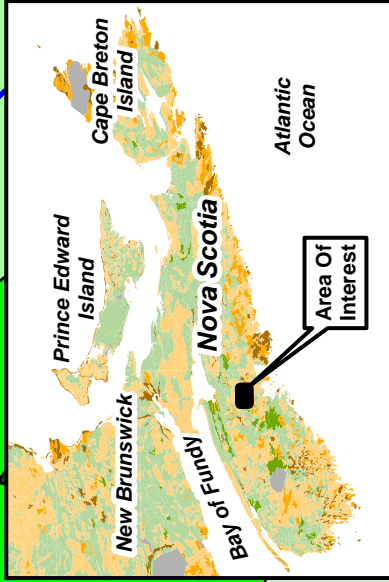
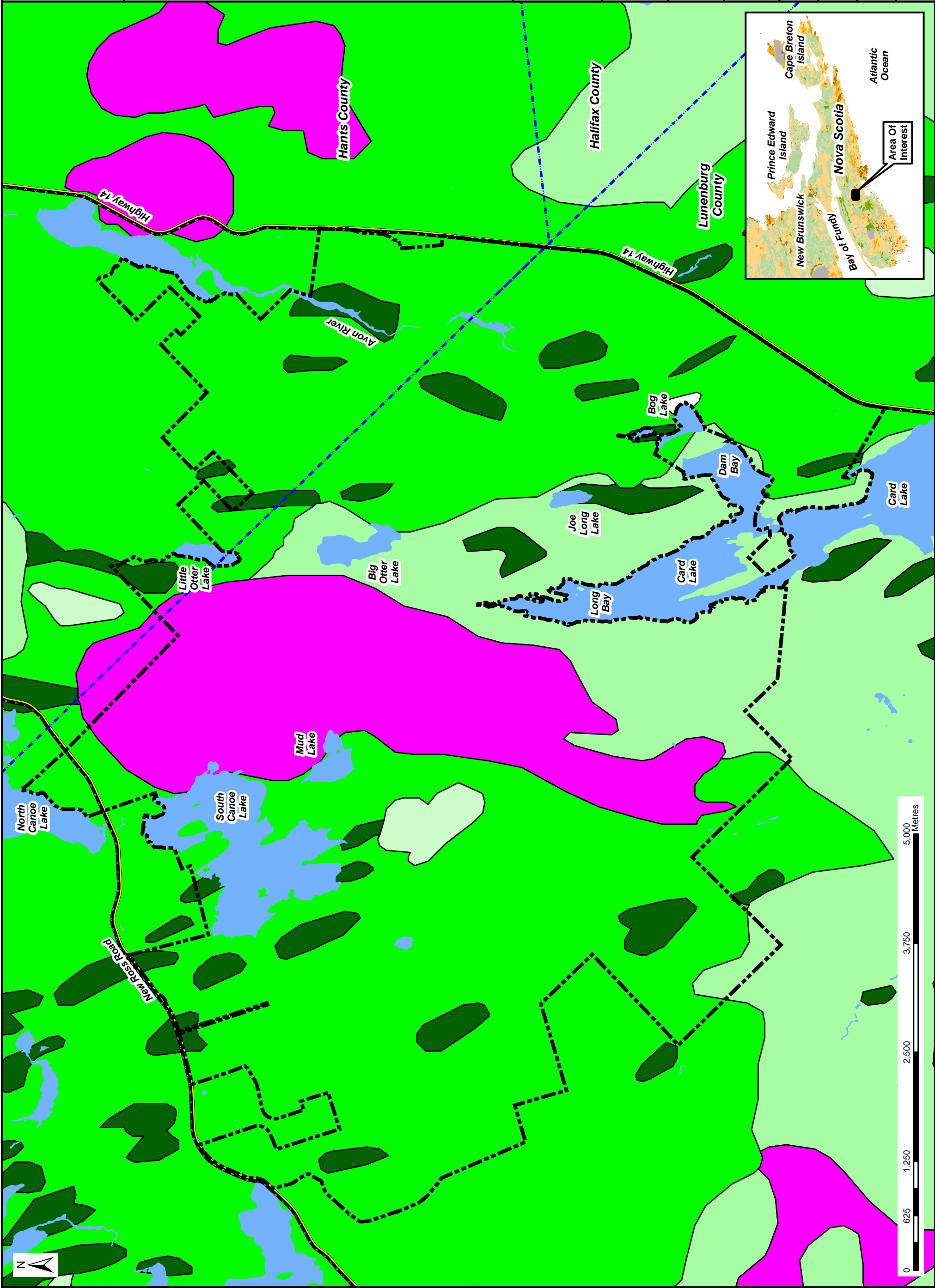
Date: Jan. 2012
Project #: 11-4314

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Sheet:

Drawn By: H. Serhan

Checked By: M. Henley




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

Notes:

- Reference: Nova Scotia Department of Natural Resources (NS DNR), Minerals and Energy Branch, Map ME 2000-1, Geological Map of the Province of Nova Scotia, Compiled by J. D. Kepple.
- Projection: NAD83(CSRS), UTM Zone 20 North.

Legend:

-  Site Boundaries
-  County Boundary
-  Highways

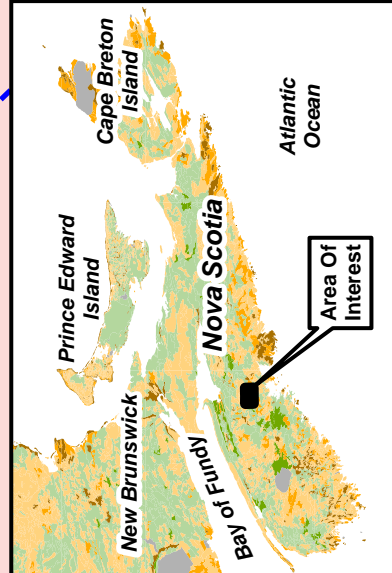
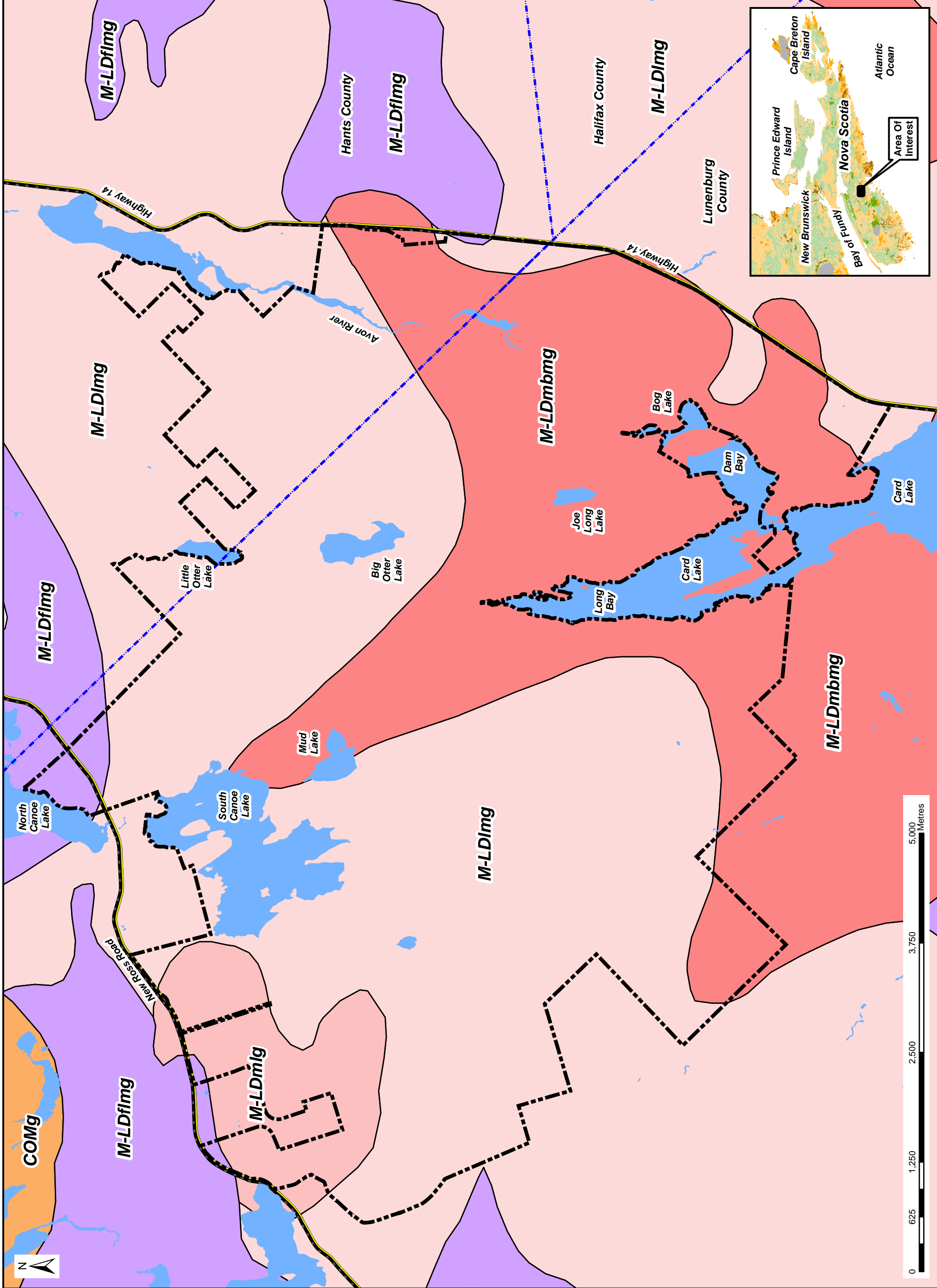
Bedrock Geology By Formation:

-  Goldenville Formation
-  Middle - Late Devonian muscovite biotite monzogranite
-  Middle - Late Devonian leucomonzogranite
-  Middle - Late Devonian fine grained leucomonzogranite
-  Middle - Late Devonian muscovite leucomonzogranite

Bedrock Geology



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| Drawn By: | H. Serhan | Checked By: | M. Henley |



Notes:

1. Reference: Primary Watershed Boundaries by Nova Scotia Geomatics Centre.
2. Projection: NAD83(CSRS), UTM Zone 20 North.
3. Subject site falls within 2 Primary Watershed, Avon River (1DE) and Gold River (1EG).

Legend:

- Buildings
- Site Boundaries
- Contours
- County Boundary
- Highways
- Roads
- Trails / Driveways
- Active
- Abandoned
- Stream
- Indefinite Stream
- Water Bodies
- Swamp
- Cleared Area
- Subject Tertiary Watershed Boundaries

Tertiary Watershed Boundaries



Date: Jan. 2012
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