

Nova Scotia
Natural Resources
MINERAL RESOURCES BRANCH

MINERAL RESOURCE LAND-USE MAP
OF THE CHETICAMP AREA (11K/11) (1:50 000)
 OFM ME 2000-4 (11K/11)
 Version 2

11K/11
Cheticamp

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 Halifax, Nova Scotia

Scale 1 : 50 000

1000 0 1000 2000
 Metres

A total of 98 planimetric (1:50 000 scale) Mineral Resource Land Use (MRLU) maps combine to form a thematic atlas, which covers the province of Nova Scotia including all near-shore islands and Sable Island. The main purpose in preparing this Atlas is to provide the public with a simple geographic compilation of mineral resource and related land-use information at a reasonably detailed scale. A key objective is to create a useful reference for practitioners working in land-use and environmental planning, geotechnical firms and groups involved in community economic development.

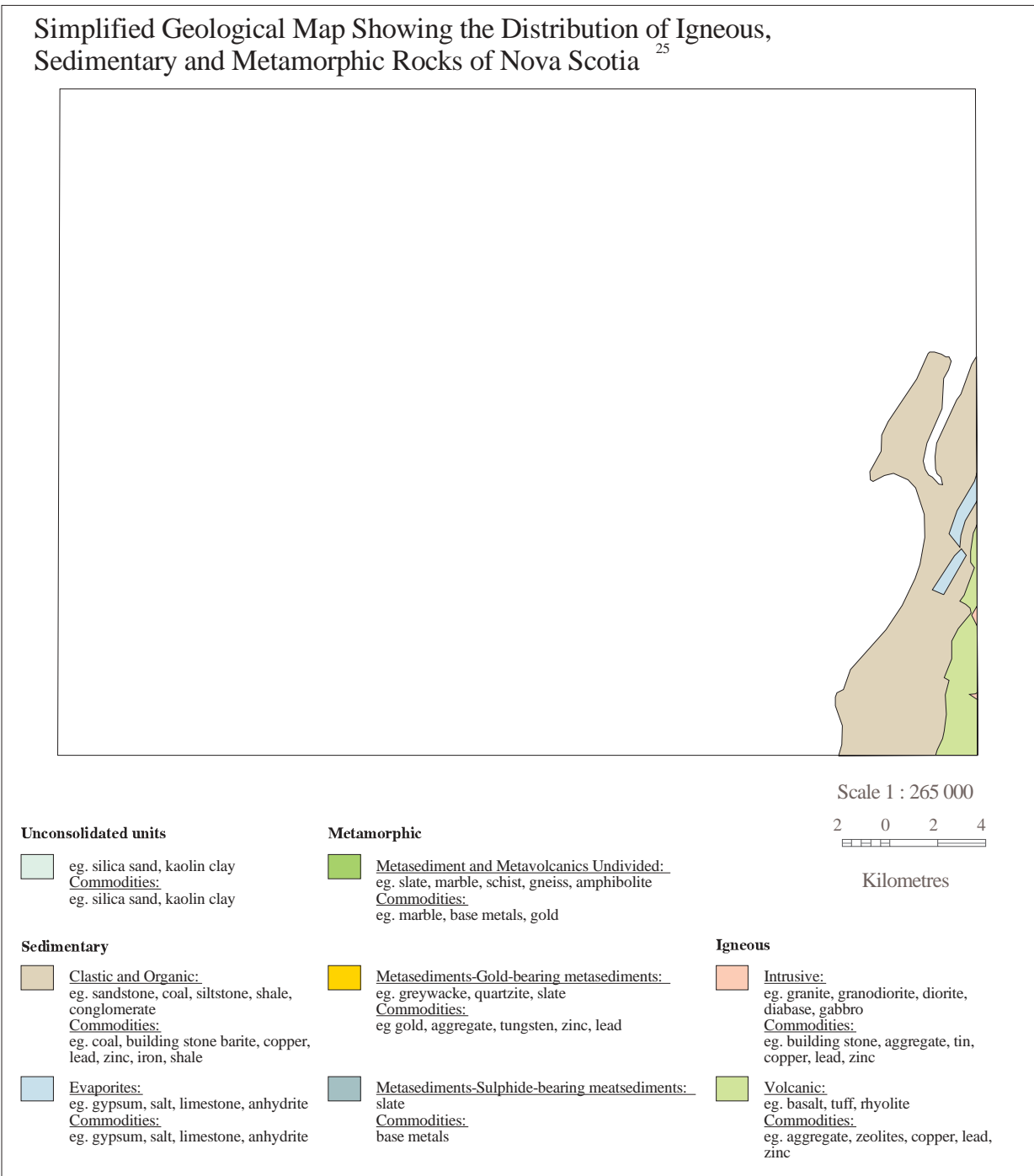
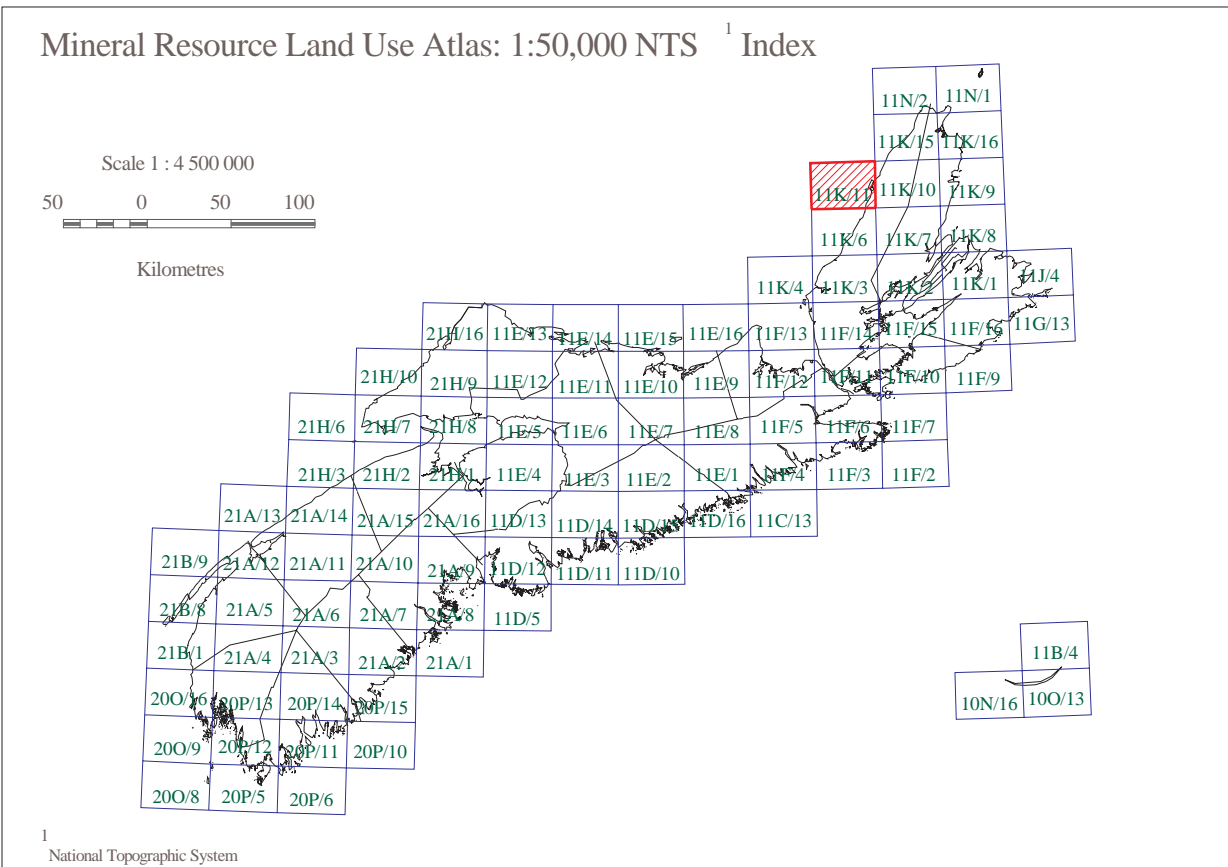
The MRLU maps display the location and distribution of mineral and energy resources and related activities as well as aspects of environmental geology that relate to land-use and environmental planning. Special land-use designations on Crown and some privately-owned land are shown to indicate how Nova Scotia's land base varies regarding the ability of mineral resource interests to access land and hold secure tenure. Please note: Because these maps were compiled from many different data sources with different scales and projections, some of the overlapping thematic data appears "distorted" relative to each other.

Over the course of developing this project, several companies have contributed to the preparation of these maps, which involved gathering and organizing data from databases managed by the department as well as other government departments, agencies and non-government organizations. The mineral companies include: David Hopper, Cheryl Dubois, Godfrey Katz, Hugh Collins, Fred Bonner, Janet Webster, and Mia Nyman. The digital compilers include: Fred Bonner, Brian Fisher, Beth Wile, Lou Hills, Angela Murphy and Jeffrey McKinnon. Details for maps and data layers should be directed by: Nova Scotia Department of Natural Resources, Library, PO Box 698, Halifax, Nova Scotia, B3J 2Y9. Telephone: (902) 424-8188; Fax: (902) 424-3375; E-Mail: mdr@ns.gov.ns.ca.

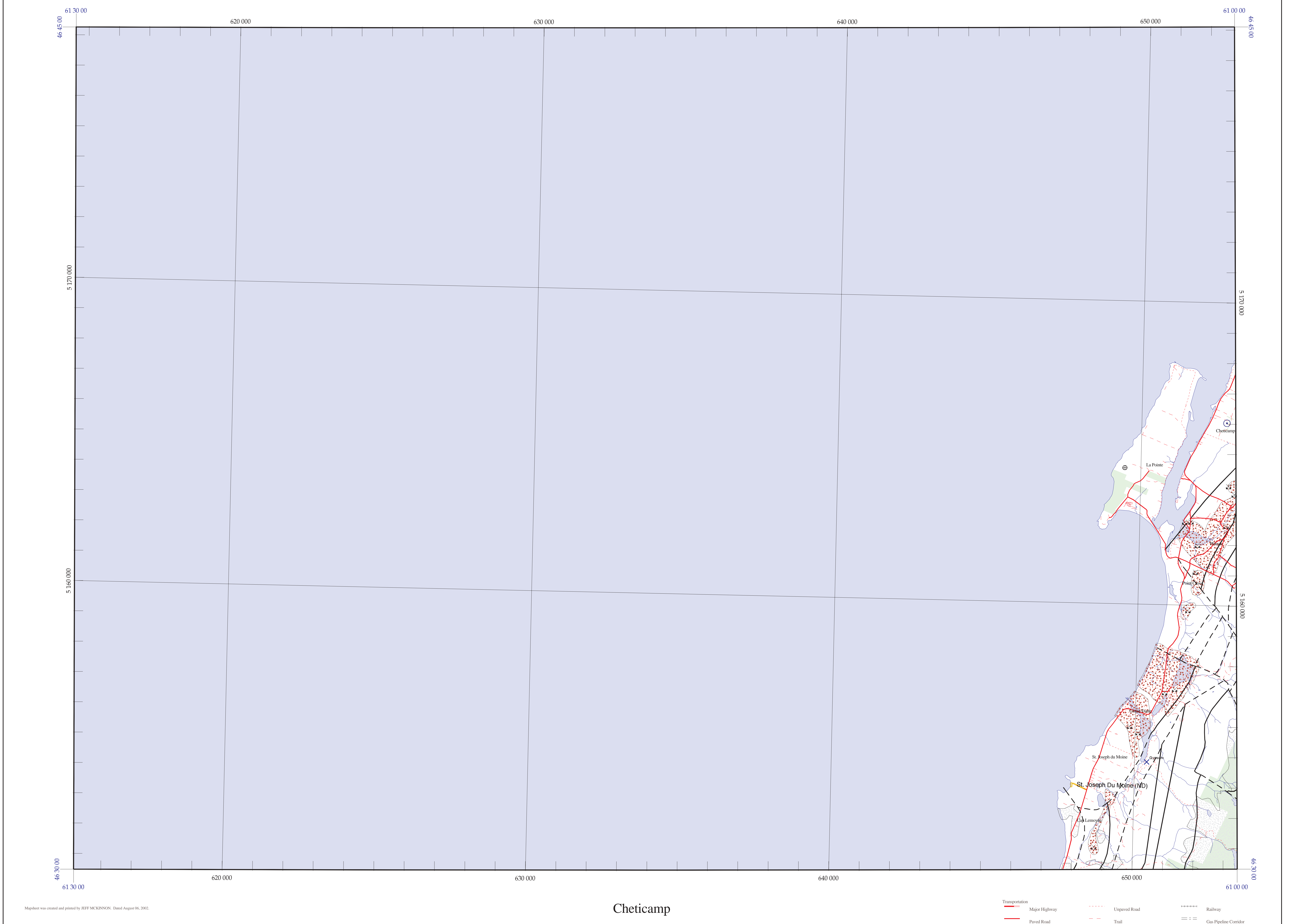
Base data derived from the Nova Scotia Topographic Database (NSTDB). Copyright Her Majesty the Queen in Right of the Province of Nova Scotia. The NSTDB is available from the Service Nova Scotia & Municipal Relations, Nova Scotia Geomatics Centre (NSGCG), Antigonish, Nova Scotia.

This map was generated from information stored in the Mineral Resources Branch (MRB) Geographic Information System of the Nova Scotia Department of Natural Resources (NSDNR).

The thematic information shown on this map came from many different government and non-government sources. The NSDNR accepts no liability for errors, deficiencies or faults on the map. Since land-use information is dynamic and subject to change over time, updated versions of this map will be provided in the future. This map should not be used for legal purposes and should only be used at the scale portrayed on the map.



- References and Notes**
- ¹ Mineral occurrence database. NSDNR, 1999. Digital Geoscience Data Product DP001b, Version 3, 1998. This database can be used with FPO1a, the Mineral Occurrence Query Program, which is a viewing and searching program with instructional manual for use with Mineral Occurrence Database. See: <http://www.gov.ns.ca/natres/pub/2001/01/01.htm>
- ² Claims Reference Maps, Mineral and Petroleum Titles, NSDNR, undated. Scale 1:31 690.
- ³ Grid and iron districts are no longer a legal entity, although the term is still used in the literature, and so the former surveyed district boundaries are not shown. Instead a polygon is shown to flag the former mining camps and encompasses most of the basic, underground workings and related mineral occurrences. Digital data set provided by NSDNR, Mineral Resources Branch.
- ⁴ Evaluation of Nova Scotia's Potential Resources. A.R. Anderson and W. A. Broughan, 1988. NSDNR Bulletin ME 99/09 and 3 maps, scale 1:250 000.
- ⁵ Aggregate Resources Map, Cape Breton Island, W.J. Wright, 1985. NSDNR Maps ME 1985-3, 1985-4, 1985-5, and 1985-6. Scale 1:125 000. Also shows the type, quality and observed thickness of sand and gravel deposits.
- ⁶ Aggregate Potential of Cumberland and Colchester Counties, 14 Preliminary Map Sheets, G. Price, 1991. NSDNR OFM/ME 1991-18. Scale 1:50 000.
- ⁷ Sand and Gravel Occurrences of Nova Scotia, J.F. Fowler and G.B. Dickie, 1978. NSDNR ORR 378 (7) maps, Scale 1:50 000.
- ⁸ Digital data set provided by NSDNR, Mineral Development and Policy Section.
- ⁹ Surface Petroleum Shows, Outcrop Nova Scotia, G. Short, 1986. NSDNR IS ME 11, March 1986, pp33. See: <http://www.gov.ns.ca/natres/pub/2001/01/01.htm>
- ¹⁰ Petroleum Wells and Drillholes with Petroleum Significance, Outcrop Nova Scotia, P.C. McMillan, G. Short, and D. Walker, 1986. NSDNR IS ME 10, pp194. See: <http://www.gov.ns.ca/natres/pub/2001/01/01.htm>
- ¹¹ Abandoned Mine Openings Database, NSDNR, 1999. Digital Geoscience Data Product DP001b, Version 2, 2000. See: <http://www.gov.ns.ca/natres/pub/2001/01/01.htm>
- ¹² Drillhole database. NSDNR, 2000. Digital Geoscience Data Product DP001. Drillhole database, Version 2, 2000. Drillholes plotted include only those holes with lithologic logs or overburden thicknesses. See: <http://www.gov.ns.ca/natres/pub/2001/01/01.htm>
- ¹³ Geological Map of the Province of Nova Scotia, J. D. Kerpeck, 2000. NSDNR Map ME 2000-1, Scale 1:300 000. Digital Geoscience Data Product D00-01, Version 1, 2000. See: <http://www.gov.ns.ca/natres/pub/2001/01/01.htm>
- ¹⁴ Units showing sulphide-bearing slates are mainly Early Windsor Formation rocks which may contain bands of arsenic-bearing slate, which will likely produce acid drainage.
- ¹⁵ Units showing potential karst areas are mainly early Windsor Formation rocks which consist of pyram, anthracite and limestone which under certain conditions can develop sinkholes.
- ¹⁶ Geological Map of the Province of Nova Scotia, R.R. Sims, H. Carley and V. Brown, 1992. NSDNR Map ME 1992-3, scale 1:50 000. Digital Geoscience Data Product D92-03, Version 1, 2000. See: <http://www.gov.ns.ca/natres/pub/2001/01/01.htm>
- ¹⁷ Digital Data set provided by Service Nova Scotia & Municipal Relations, Nova Scotia Geomatics Centre, and Department of Environment and Labour.
- ¹⁸ Geological Highway Map of Nova Scotia, Second Edition, H.V. Donohue, Jr., and R.G. Grenham, 1989. Scale 1:50 000. NSDNR, OF ME 1989-1. Geologic Geoscience Data Product D89-01, Version 2, 2000. (Note: the sites shown are meant to provide additional information for contour promotion.)
- ¹⁹ Simplified geological map showing the distribution of igneous, sedimentary and metamorphic rocks of Nova Scotia, Hopper, F.J., Fisher, B.E. and Hopper, D.B., 2000. Map in progress, scale 1:50 000.
- ²⁰ Data sets digitized from maps provided by the Canadian Department of Natural Defence.
- ²¹ Data set provided by the Nova Scotia Department of Agriculture and Fisheries.
- ²² "Retrieved and Limited Use Land Database, NSDNR, Digital Data Product DP DNR 002, 2002. See: <http://www.gov.ns.ca/natres/pub/2001/01/01.htm>, data provided by:
- ²³ NSDNR, Renewable Resources Branch, Parks and Recreation Division.
- ²⁴ NSDNR, Land Services Branch, Survey Division.
- ²⁵ Nova Scotia Department of Environment and Labour, Protected Areas Division.
- ²⁶ Parks Canada
- ²⁷ NSDNR, Renewable Resources Branch, Wildlife Division.
- ²⁸ NSDNR and Canadian Wildlife Services.
- ²⁹ Nature Conservancy of Canada.
- ³⁰ NSDNR, Mineral Resources Branch.



MINERAL AND AGGREGATE RESOURCES

- Mineral Occurrence (metallic, non-metallic)¹
- Active Mine/Quarry² (metallic, non-metallic) (lease/permit boundary)
- Coal Seam Trace³
- Fuel Peat Occurrence⁴
- Gold Mining Area⁵ (former gold district)
- Iron Mining Area⁶ (former iron district)
- Crown Limestone Area⁷
- Sand/Gravel Deposit^{8,9}
- Aggregate Pit/Quarry^{8,9}
- Horticultural Peat Occurrence⁴

ENERGY RESOURCES

- Active Coal Mine² (lease/permit boundary)
- Coal Seam Trace³
- Fuel Peat Occurrence⁴
- Geothermal Resource Area²
- Surface Petroleum Show⁹
- Well /Drill hole with Petroleum Significance¹⁰
- Underground Gas Storage² (exploration area, exploration permit)
- Faults¹¹

GEOLOGY FOR LAND-USE / ENVIRONMENTAL PLANNING

- Areal Extent of Underground Coal Mine Workings⁸
- Abandoned Underground Mine Opening¹¹ (metallic, non-metallic, coal)
- Abandoned/Inactive Surface Mine/Quarry⁸ (Data is not available at this time)
- Reclaimed Surface Mine Site⁸ (Data is not available at this time)
- Drill Hole¹²
- Sulphide-bearing Slate^{13,14}
- Geological Contacts²⁰
- Faults¹¹

LAND DESIGNATION AND ACCESS

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

- Protected Area (Strictly no access to commercial and industrial use by order of legislation, regulation, policy or private interest.)
- National Parks and Adjuncts¹⁶, National Historic Site and Parks¹⁶, National Wildlife Management Areas¹⁶, National Defence Land¹⁶, National Wildlife Sanctuaries¹⁶, Designated Provincial Park and Park Reserve¹⁶, Wilderness Areas¹⁶, Protected Beaches¹⁶, Mineral Closure¹⁶, Name Conservancy of Canada (NCC)¹⁶, Areas under the Special Places Act¹⁶, Flight 111 Act¹⁶
- Exposed Bedrock/Thin Till Cover¹⁶
- Drumlin¹⁶
- Flood Risk Area¹⁷ (20 yr. flood level)
- Limited Access Area (Access is possible although certainty of tenure will vary. Areas are usually identified for specific interests and access permission could be limited by owner, operator, or special interest depending upon the proposed activity.)
- Provincial Game Sanctuaries¹⁸, Provincial Wildlife Management Areas¹⁸, Water Supply Areas (Designated and Non-Designated)¹⁸, Canadian Heritage Rivers¹⁸, Indian Reserve Lands¹⁸, Urban Areas¹⁸, Sites of Ecological Significance (SES)¹⁸, Prong's Cove Preservation Area¹⁸, Aquacultural Areas¹⁸, Pipeline Corridor¹⁸, Operational Non-Designated Parks and Reserves (NCC)¹⁸, Non-Designated Rail Corridors¹⁸, Ramsar Wetland Sites¹⁸, Liasium Habitat Joint Venture Lands (EHV)¹⁸ and Trails Act Lands¹⁸
- General Access Area (This includes all province-owned land that has not been designated as protected or limited use.)
- Privately Owned Land