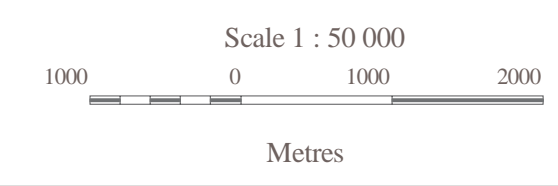


MINERAL RESOURCE LAND-USE MAP OF THE CAPE CANSO AREA (11F/7) (1:50 000) OFM ME 2000-4 (11F/7) Version 2

Compiled by D.B. Hopper, F.J. Bonner, B.E. Fisher and A.N. Murphy Halifax, Nova Scotia



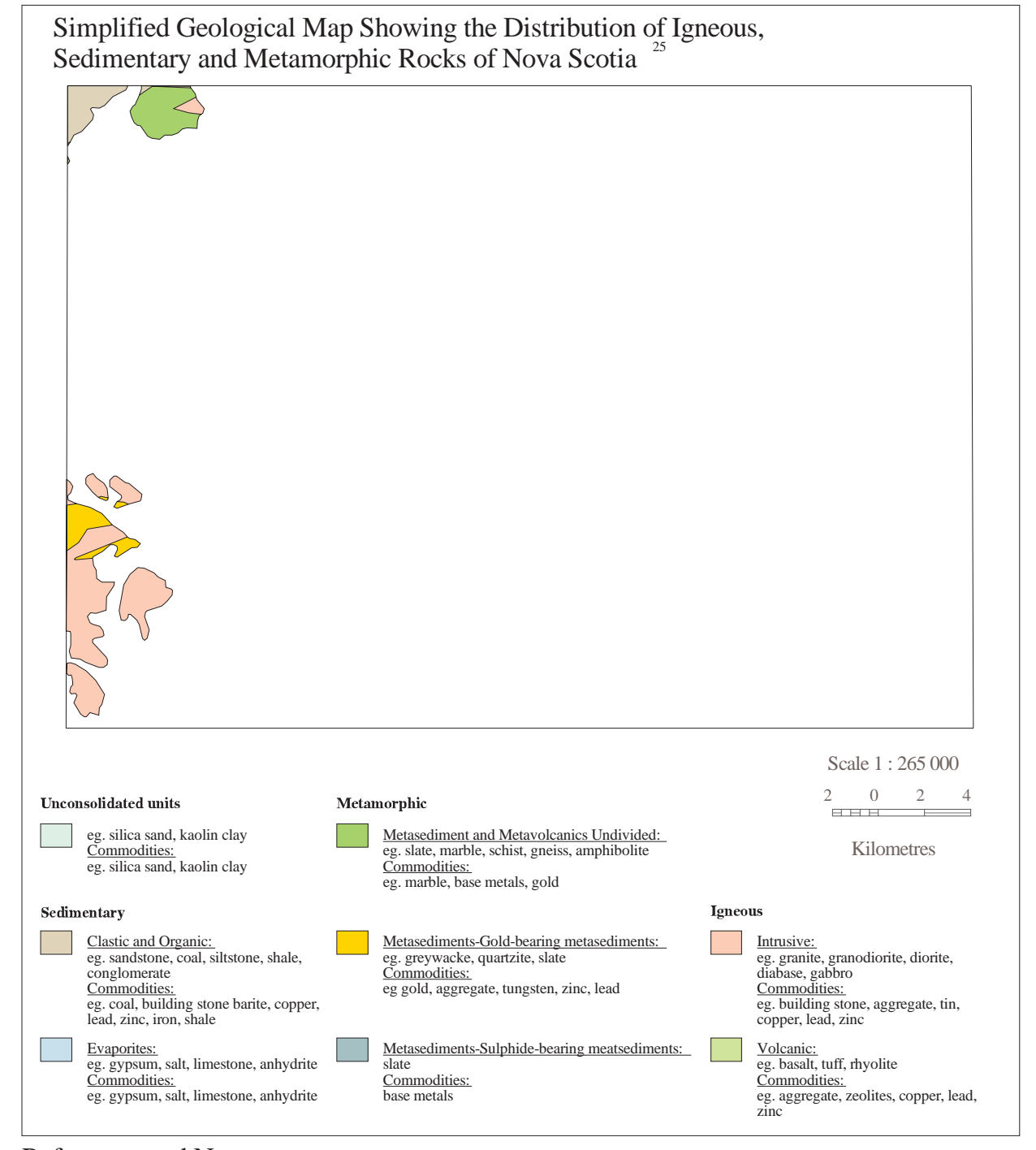
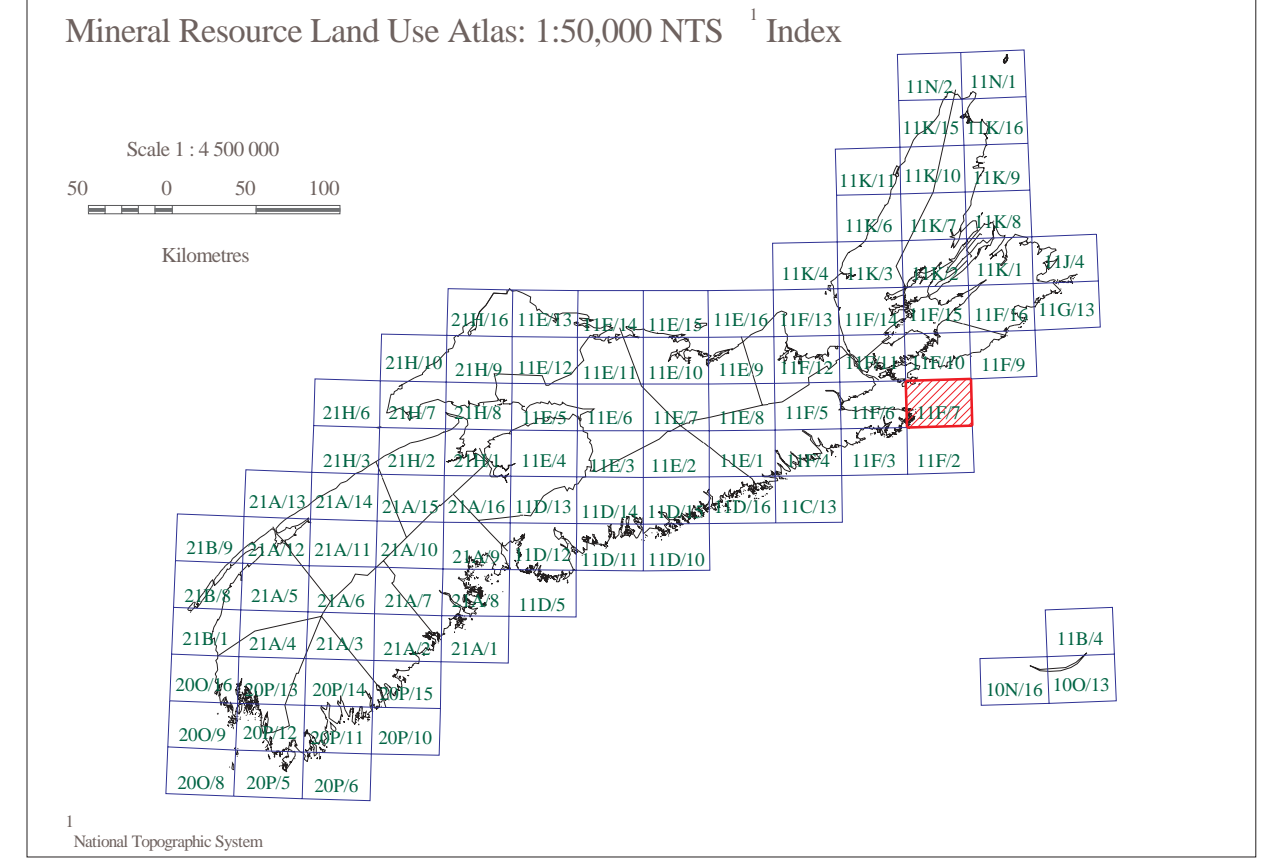
A set of 59 thematic (1:50 000 scale) Mineral Resource Land Use (MRLU) maps combine to form a thematic atlas, which covers the province of Nova Scotia including all near-shore islands and Sable Island. The main purpose in preparing this Atlas is to provide the public with a simple geographic compilation 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.

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 Nyren. The digital compilers include: Fred Bonner, Brian Fisher, Beth Wile, Lisa Hills, Angela Murphy and Jeffrey McKinnon. Details for maps and data layers should be directed to: 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: mrd@novascotia.ca.

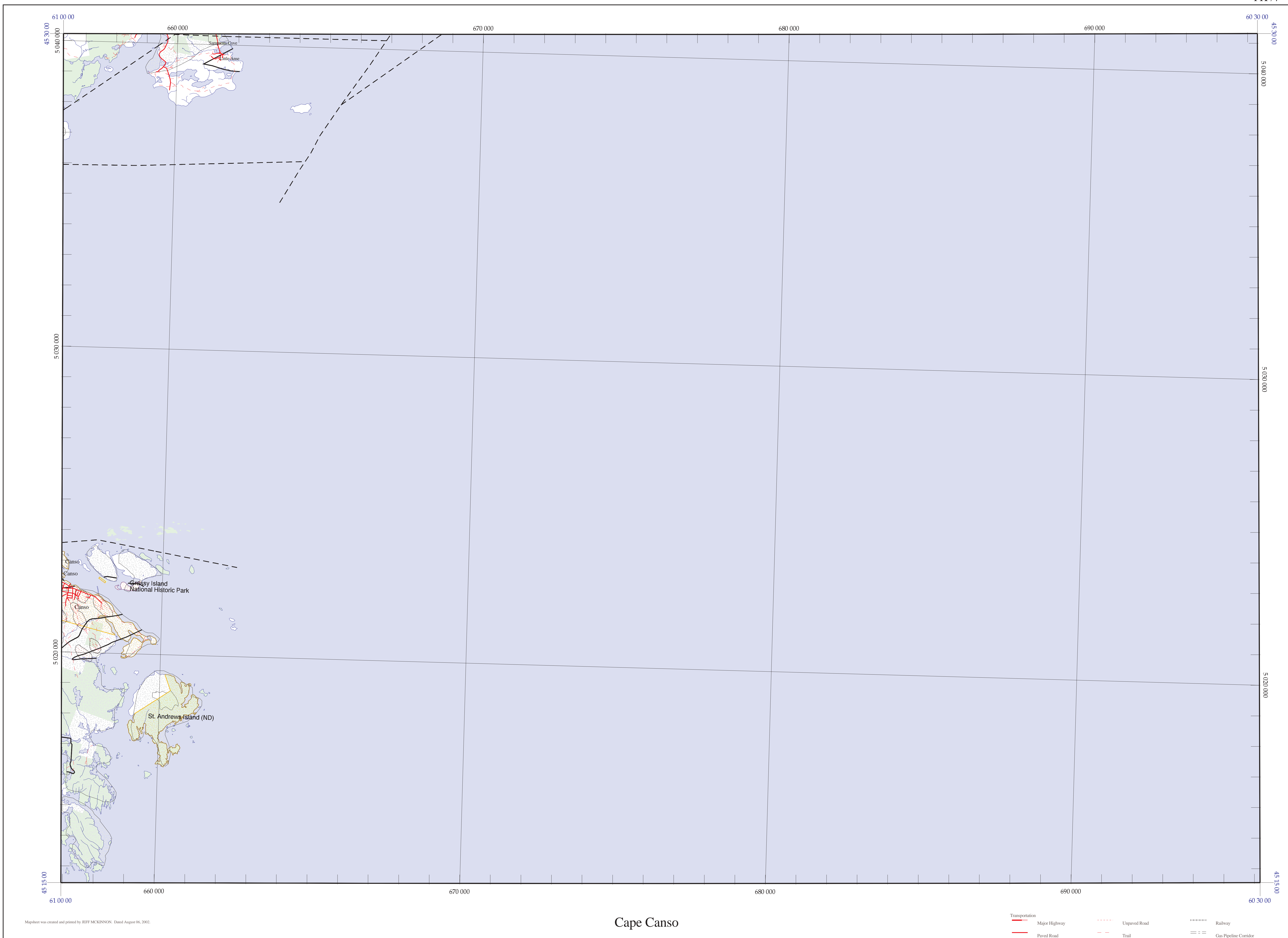
Base data derived from the Nova Scotia Topographic Database (NSTDB). Copyright Her Majesty the Queen in Right of the Province of Nova Scotia. The NSTDB is available from the Service Nova Scotia & Municipal Relations, Nova Scotia Geomatics Centre (NSGC), Antigonish, Nova Scotia.

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).

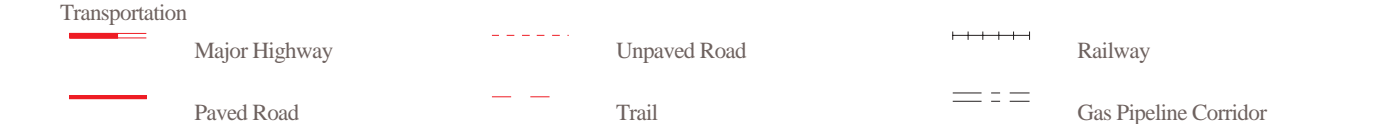
The thematic information shown on this map came from many different government and non-government sources. The NSDNR accepts no liability for errors, deficiencies or omissions on the map. Since land-use information is dynamic and subject to change over time, updated versions of this map will be provided 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 FPO10, 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/nat/mr/pubs/identifdbases
2. Claim Reference Maps, Mineral and Petroleum Titles, NSDNR, undated. Scale 1:31 690.
3. Gold 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 encompass most of the basic, underground workings and 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. Brough, 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 1:125 000.000 and 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 1991-5 to 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 ES ME 11, March 1986, pp33. See: http://www.gov.ns.ca/nat/mr/pubs/identifdbases
10. Petroleum Wells and Drillholes with Petroleum Significance, Outcrop Nova Scotia, P.C. McMillan, G. Short, and D. Walker, 1986. NSDNR ES ME 10, pp194. See: http://www.gov.ns.ca/nat/mr/pubs/identifdbases
11. Abandoned Mine Openings Database, NSDNR, 1999. Digital Geoscience Data Product DP010, Version 2, 2000. See: http://www.gov.ns.ca/nat/mr/pubs/identifdbases
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 thickness. See: http://www.gov.ns.ca/nat/mr/pubs/identifdbases
13. Geological Map of the Province of Nova Scotia, J. D. Kerpis, 2000. NSDNR Map ME 2000-1, Scale 1:500 000. Digital Geoscience Data Product D00-01, Version 1, 2000. See: http://www.gov.ns.ca/nat/mr/pubs/identifdbases
14. Units showing sulphide-bearing slates are mainly Early Windsor Formation rocks which 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 comprise of gypsum, anhydrite and limestone which under certain conditions can develop sinkholes and cave systems.
16. Geological Highway Map of Nova Scotia, Second Edition, H.V. Donohue, Jr., and R. G. Greenham, 1989. Scale 1:500 000. NSDNR, OF ME 1989-1. Volume Geoscience, Digital Data Product DP001, Version 2, 2000. (Note: the sites shown are meant to provide additional information for corridor promotion.)
17. Simplified geological map showing the distribution of igneous, sedimentary and metamorphic rocks of Nova Scotia, Hopper, F.J., Fisher, B.E., and Hopper, G.B., 2000. Map in progress, scale 1:50 000.
18. Data sets digitized from maps provided by the Canadian Department of Natural Resources.
19. Data set provided by the Nova Scotia Department of Agriculture and Fisheries.
20. "Retrieved and Limited Use Land Database, NSDNR, Digital Data Product DP001, Version 2, 2000. See: http://www.gov.ns.ca/nat/mr/pubs/identifdbases
21. NSDNR, Renewable Resources Branch, Parks and Recreation Division.
22. NSDNR, Land Services Branch, Survey Division.
23. Nova Scotia Department of Environment and Labour, Protected Areas Division.
24. Parks Canada.
25. NSDNR, Renewable Resources Branch, Wildlife Division.
26. NSDNR and Canadian Wildlife Services.
27. Nature Conservancy of Canada.
28. NSDNR, Mineral Resources Branch.



Cape Canso



MINERAL AND AGGREGATE RESOURCES

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

ENERGY RESOURCES

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

GEOLOGY FOR LAND-USE / ENVIRONMENTAL PLANNING

- 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

LAND DESIGNATION AND ACCESS

- Potential Karst Area
Protected Area (Strictly no access to commercial and industrial use by order of legislation, regulation, policy or private interest.)
National Parks and Adjuncts
National Historic Site and Parks
National Wildlife Management Areas
National Defence Land
National Wildlife Sanctuaries
Designated Provincial Park and Park Reserve
Wilderness Areas
Protected Beaches
Mineral Closure
Native Cooperativity of Canada (NCC)
Areas under the Special Places Act
Flight 111 Act
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 Sanctuaries
Provincial Wildlife Management Areas
Water Supply Areas (Designated and Non-Designated)
Canadian Heritage Rivers
Indian Reserve Lands
Lobby Areas
Sites of Ecological Significance (SES)
Peggy's Cove Preservation Area
Aquacultural Areas
Pipeline Corridor
Operational Non-Designated Parks and Reserves (NCC)
Non-Designated Rail Corridors
Ramsar Wetland Sites
Liasium Habitat Joint Venture Lands (EHV) and Trails Act Lands
General Access Area (This includes all province-owned land that has not been designated as protected or limited use.)
Privately Owned Land