

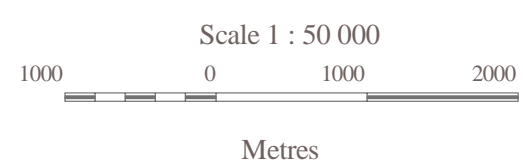


MINERAL RESOURCE LAND-USE MAP OF THE SABLE ISLAND AREA (10N/16) (1:50 000)

OFM ME 2000-4 (10N/16) Version 2

10N/16 Sable Island

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



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.

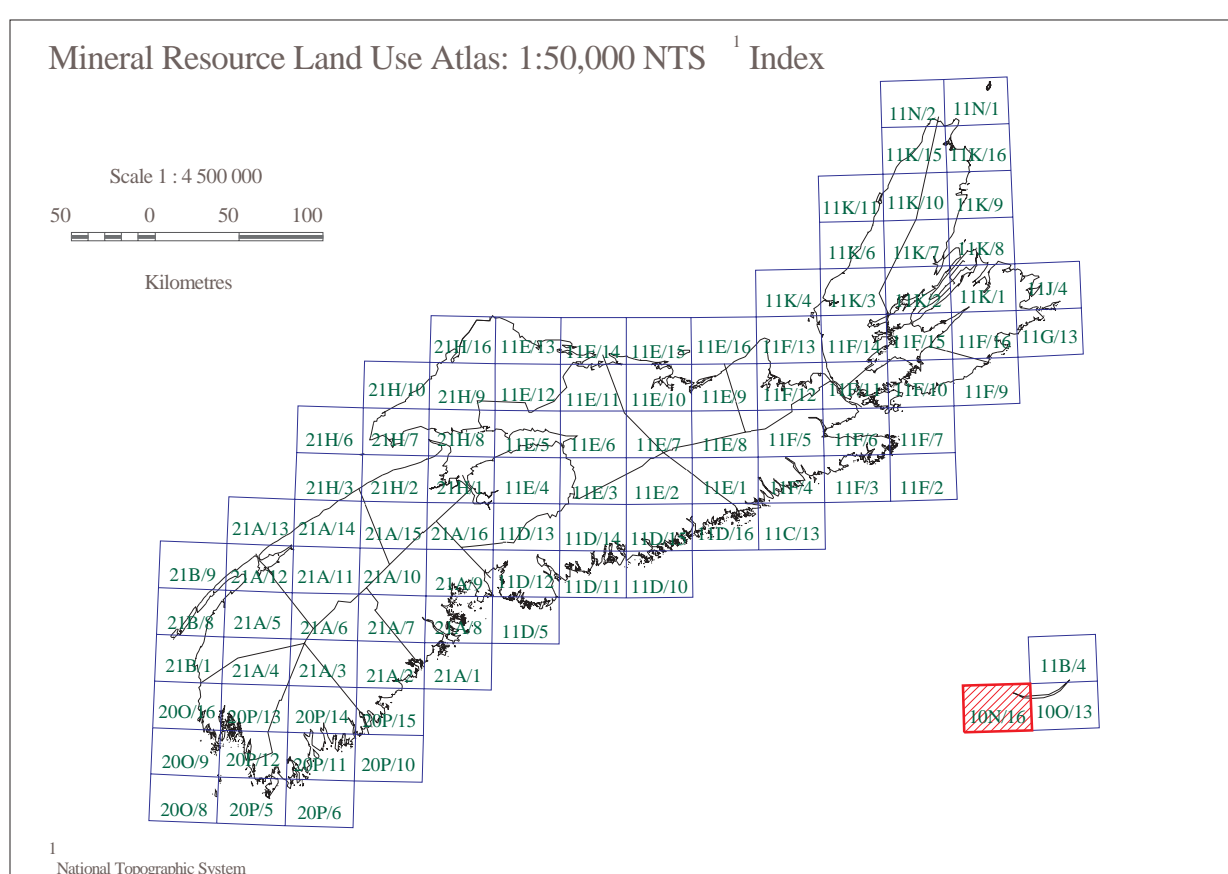
The MRLU maps display the location and distribution of mineral and energy resources and related activities as well as aspects of environmental geology that relate to land-use and environmental planning.

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 agencies and non-government organizations.

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), Amherst, 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.



References and Notes. Mineral occurrence database, NSDNR, 1999. Digital Geoscience Data Product DP9010, Version 1, 1999.

Chain Reference Maps, Mineral and Petroleum Titles, NSDNR, undated. Scale: 1:31 680.

Coal and iron districts are no longer a legal entity, although the name is still used in the literature.

Investigation of Nova Scotia's Petroleum Resources, A.R. Anderson and W. A. Brougham, 1988. NSDNR Bulletin ME 97/10 and 3 maps, scale 1:250 000.

Aggregate Resources Map, Cape Breton Island, W.J. Wright, 1985. NSDNR Maps ME 1985-3, 1985-4, 1985-4 and 1985-5. Scale 1:125 000/locates and shows the type, quality and observed thickness of sand and gravel deposits.

Aggregate Potential of Cumberland and Colchester Counties, 14 Preliminary Map Sheets, G. Prime, 1991. NSDNR OFM ME 1991-1, OFM ME 1991-18. Scale 1:50 000.

Sand and Gravel Occurrences of Nova Scotia, J.F. Fowler and G.B. Dikla, 1978. NSDNR OFR 378 (70 maps). Scale 1:50 000.

Surface Petroleum Shows, Offshore Nova Scotia, G. Shaw, 1986. NSDNR IS ME 11, March 1986, pp.31. See: http://www.gov.ns.ca/nat/nattechpubs3.htm#databases

Petroleum Wells and Driftholes with Petroleum Significance, Offshore Nova Scotia, P.G. McMahon, G. Shaw, and D. Walker, 1986. NSDNR IS ME 10, pp.14. See: http://www.gov.ns.ca/nat/nattechpubs3.htm#databases

Abandoned Mine Openings Database, NSDNR, 1999. Digital Geoscience Data Product DP9010, Version 2, 2000. See: http://www.gov.ns.ca/nat/nattechpubs3.htm#databases

Drifthole database, NSDNR, 2001. Digital Geoscience Data Product DP903, Driftholes Database, Version 2, 2001. Driftholes plotted include only those holes with lithologic logs or overburden thicknesses. See: http://www.gov.ns.ca/nat/nattechpubs3.htm#databases

Geological Map of the Province of Nova Scotia, J. D. Kopp, 2000. NSDNR Map ME 2000-1, Scale 1:500 000. Digital Geoscience Data Product D000-1, Version 1, 2000. See: http://www.gov.ns.ca/nat/nattechpubs3.htm#maps

Units showing sulphide bearing slates are mainly Halifax Formation rocks which may contain bands of arsenic-bearing slates which will likely produce acid drainage.

Units showing potential karst areas are mainly early Windsor Formation rocks comprised of gypsum, anhydrite and limestone which under certain conditions can develop sinkholes.

Surface Geology Map of the Province of Nova Scotia, R.R. Shea, H. Collins and B. Brown, 1992. NSDNR Map ME 1992-2, scale 1:50 000. Digital Geoscience Data Product DP903, Version 1, 2000. See: http://www.gov.ns.ca/nat/nattechpubs3.htm#maps

Digital data are provided by Service Nova Scotia & Municipal Relations, Nova Scotia Geomatics Centre, and Department of Environment and Labour.

Geological Highway Map of Nova Scotia, Second Edition, H.V. Davidson, Jr., and R. G. Grimshaw, 1989. Scale 1:60 000. NSDNR OFR 1989-1 (Automated Geoscience Society, Special Publication Number 1). (Note: the sites shown are meant to provide additional information for ecotour promotion.)

Simplified geological map showing the distribution of igneous, sedimentary and metamorphic rocks of Nova Scotia, Bonner, F.J., Fisher, B.E., and Hopper, D.B., 2000. Map in progress, scale 1:50 000.

Data sets digitized from maps provided by the Canadian Department of Natural Resources.

Data set provided by the Nova Scotia Department of Agriculture and Fisheries.

Renewable and Limited Use Land Database, NSDNR, Digital Data Product DP 1002, 2002. See: http://www.gov.ns.ca/nat/nattechpubs3.htm#databases

NSDNR, Renewable Resources Branch, Parks and Recreation Division.

Nova Scotia Department of Environment and Labour, Protected Areas Division.

NSDNR, Land Services Branch, Surveys Division.

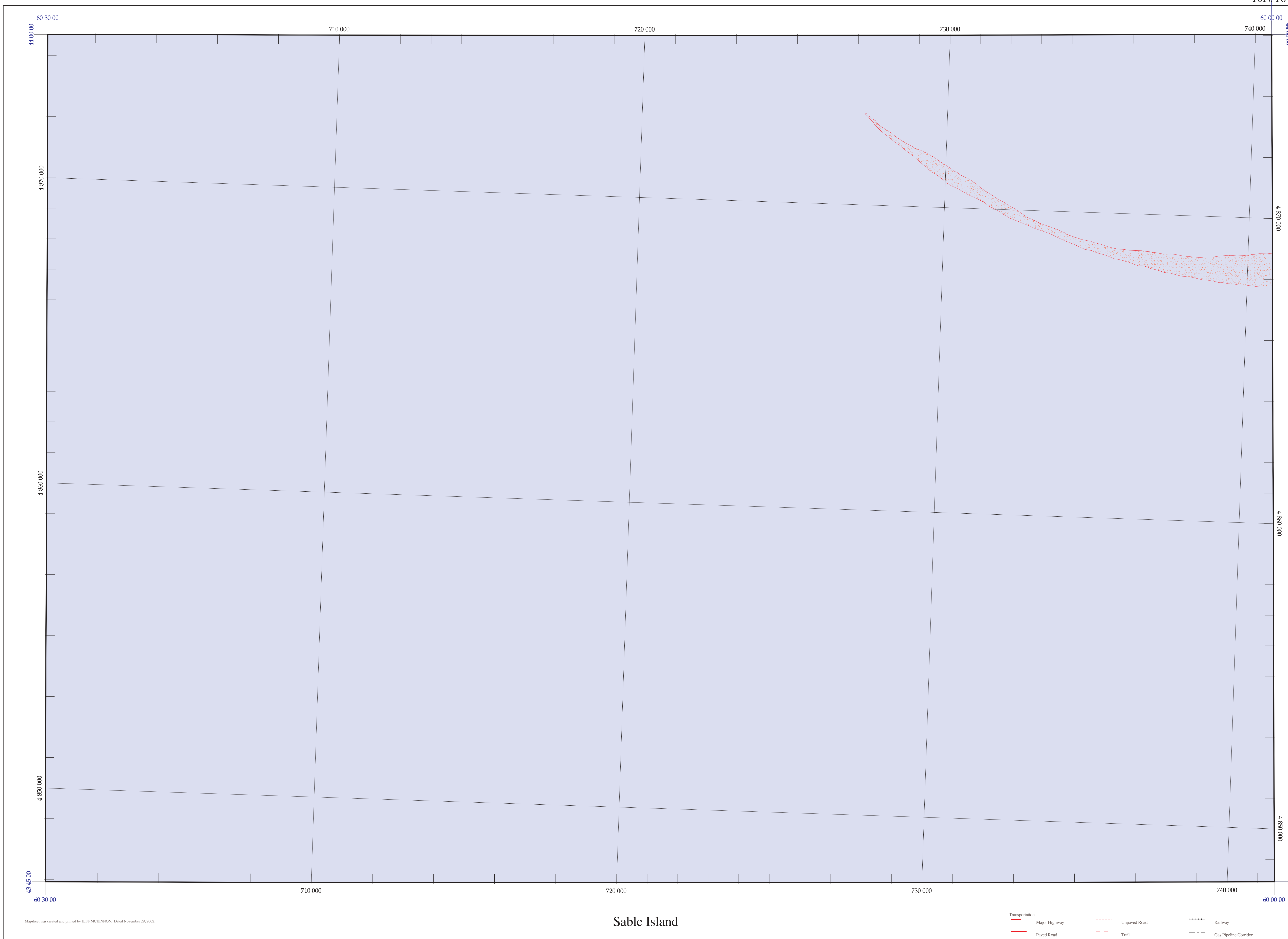
Parks Canada

NSDNR, Renewable Resources Branch, Wildlife Division.

NSDNR and Canadian Wildlife Services.

Nature Conservancy of Canada.

NSDNR, Mineral Resources Branch.



Sable Island

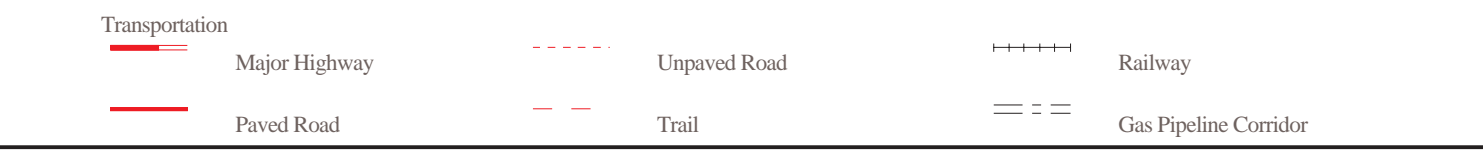


Table with 2 columns: Symbol and Resource Name. Includes Mineral Occurrence, Active Mine/Quarry, Gold Mining Area, Iron Mining Area, Crown Limestone Area, Sand/Gravel Deposit, Aggregate Pit/Quarry, and Horticultural Peat Occurrence.

Table with 2 columns: Symbol and Resource Name. Includes Active Coal Mine, Coal Seam Trace, Fuel Peat Occurrence, Geothermal Resource Area, Surface Petroleum Show, Well/Drill hole with Petroleum Significance, Underground Gas Storage, and Geological Contacts.

Table with 2 columns: Symbol and Resource Name. Includes Areal Extent of Underground Coal Mine Workings, Abandoned/Inactive Surface Mine Quarry, Reclaimed Surface Mine Site, Drill Hole, Sulphide-bearing Slate, and Faults.

Table with 2 columns: Symbol and Resource Name. Includes Potential Karst Area, Exposed Bedrock/Thin Till Cover, Drumlin, Flood Risk Area, Water Supply Watershed Intake, Water Supply Well, and Special Geological Interest.

Table with 2 columns: Symbol and Resource Name. Includes Protected Area, Limited Access Area, General Access Area, and Privately Owned Land. Includes detailed notes on access and permissions.