Nova Scotia Department of Mines and Energy

MINERAL RESOURCE LAND USE MAP OF HANTS COUNTY

OFM 88-020
(11E/05 part of 11E/06)

Compiled By

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1988

HONOURABLE KEN STREATCH, MINISTER
JOHN J. LAFFIN, P.ENG., FEIC, DEPUTY MINISTER

SCALE: 1:50 000

The Nova Scotia Department of Mines and Energy is responsible for the proper management of the Province's mineral and energy resources. Under the Canada-Nova Scotia Mineral Development Agreement, Mines and Energy has initiated a land use planning project aimed at developing a province-wide mineral land use policy. The project is to develop a comprehensive database of mineral resource and land use information, and thereby provide the support data required to prepare the policy.

The Mineral Resource Land Use (MRLU) map series is part of that project. These maps provide information about the location and distribution of mineral and energy resources in Nova Scotia. They also show certain land uses which affect, either positively or negatively, mineral exploration and mining. The objective behind compiling the MRLU map series is to provide input to resource planning and to establish a basis for identifying and resolving possible conflicts in land use.

The information presented on the MRLU maps is compiled from published and unpublished maps and reports available at Nova Scotia Department of Mines and Energy. The maps contain a wide range of topics combined to show the spatial relationships between known mineral and energy resources and existing land use activities.

The alpha-numeric codes used to identify mineral and energy occurrences in MRLU maps correspond to a series of resource indexes prepared by this Department. Each MRLU map set has an accompanying handbook which describes each code in detail.

The MRLU map series organizes the information according to Nova Scotia's 18 counties. All MRLU maps are 1:50,000, National Topographic Series. The index map below shows each county and its corresponding set of NTS sheets.

INDEX MAP

MRLU MAP SET FOR HANTS COUNTY

OFM NO.	NTS
88-017	11D/13 (part of 11D/14)
88-018	11E/03
88-019	11E/04
88-020	11E/05 (part of 11E/06)
88-021	21A/16
88-022	21H/01

SHEET LOCATION

HANTS COUNTY
GEOLOGY

11E/05
11E/06

FUNDY GROUP
Red Conglomerate, Arkose, Sandstone, Shale
PICTOU GROUP
Grey Sandstone, Shale
CANSO GROUP
Mudstone, Shale, Gypsum, Anhydrite, Halite
WINDSOR GROUP
Sandstone, Siltstone, Limestone, Dolostone, Anhydrite, Gypsum
HORTON GROUP
Sandstone, Siltstone, Shale, Arkose
MEGUMA GROUP
Slate, Siltstone, Rare Limestone
GRANITE

SOURCE: Geological Map of the Province of Nova Scotia. Compiled by J. Duncan Keppie, 1979.

SAND & GRAVEL RESOURCES

- Sand deposit
- Gravel deposit
- Sand & gravel deposit
- Pit (active, inactive) (operator name given if available)

METALLIC MINERALS

- Metal occurrence
- Mine (active, inactive)
  Sample: Inactive mine NSDME* Metallic Mineral Occurrence Data Card # H01-02 Primary metal - gold; H01-03(M) Au
- Mine tailings
- Gold mining camps** (Dome)
- Shaft/adit (abandoned)
- Metals:

Antimony	Sb	Mercury	Hg
Arsenic	As	Molybdenum	Mo
Beryllium	Be	Nickel	Ni
Bismuth	Bi	Platinum (group)	Pt
Cadmium	Cd	Silver	Ag
Chromium	Cr	Tantalum	Ta
Cobalt	Co	Thorium	Th
Columbium	Nb	Tin	Sn
Copper	Cu	Titanium	Ti
Gold	Au	Tungsten	W
Iron	Fe	Uranium	U
Lead	Pb	Vanadium	V
Magnesium	Mg	Zinc	Zn
Manganese	Mn	Zirconium	Zr

- Drillhole (N.D.***)

Note: Each drillhole location or area of concentrated drilling will be accompanied by a reference number or range of numbers from the NSDME* Drillhole Database, and by a listing of the metals found at that location.

*NSDME: N.S. Department of Mines and Energy
**THE TERM GOLD MINING CAMP IS EQUIVALENT TO GOLD DISTRICT
***N.D. = NO DATA

INDUSTRIAL MINERALS

- Mineral/Commodity occurrence
- Mine/Quarry (active, inactive)
  Sample: Active quarry NSDME* Industrial Mineral Occurrence Data Card # H01-05 Primary commodity - gypsum; H01-05(I) gyp
- Mine/Quarry boundary
- Mine tailings
- Peat bog (horticultural peat ≥ 100 ha)
  Note: Each peat bog location will be accompanied by a reference number from the NSDME* summary report, **The Evaluation of Nova Scotia's Peat Resources.**

Industrial Minerals & Commodities:

Asumina		Dolomite	Marl
Agate		Dolomite	Mica
Agalmatolite		Epidote	Peat moss
Amethyst		Feldspar	Pyrophyllite (carnallite)
Andalusite (alumina)		Fluorite	Rockwall (halite)
Anhydrite		Fullers earth	Sandstone
Anorthosite		Garnet	Serpentine
Barite		Granite	Shale
Basalt		Gravel	Silica (quartz, quartzite)
Bentonite		Grinding pebbles	Silica Sand
Brucite		Gypsum	Slate
Building stone		Howlite (borate)	Spodumene (lithium)
Celestite (strontium)		Ilmenite, rutile (titanium)	Sulphur
Chalcedony		Kyanite	Talc
Clay		Limestone,	Tripoly
Crushed stone		Magnesite	Wollastonite
Diamonds (borate)		Marble	Zeolites

- Drillhole

Note: Each drillhole location or area of concentrated drilling will be accompanied by a reference number or range of numbers from the NSDME* Drillhole Database, and by a listing of the commodities found at that location.

ENERGY RESOURCES

- Coal field boundary (approximate)
- Coal mine (active, inactive)
- Coal seam (approximate, inferred)
- Coal waste bank
- Near surface coal resource (≤ 100 feet below surface)
- Underground coal resource (≥ 100 feet below surface)
- Peat bog (fuel peat ≥ 100 ha)
  Note: Each peat bog location will be accompanied by a reference number from the NSDME* summary report, **The Evaluation of Nova Scotia's Peat Resources.**
- Oil shale
- Surface Petroleum shows
  Note: Each surface petroleum show location will be accompanied by a reference number from the NSDME* publication **Surface Petroleum Shows Onshore Nova Scotia.**
- Drillhole
  Sample: Petroleum well Index # P-97, NSDME* publication. **Petroleum Wells and Drillholes with Petroleum Significance Onshore Nova Scotia.** P-97
  Sample: Miscellaneous drillhole with petroleum show NSDME* publication. **Petroleum Wells and Drillholes With Petroleum Significance.** M-54

LANDFORMS

- Glaciofluvial deposits
  - Kames, kame terraces, outwash
  - Eskers
- Glaciolacustrine deposits
- Glaciomarine deposits
- Drumlins
- Sink hole, sink hole topography
- Exposed bedrock (or thin till veneer)

GEOLOGICAL POINTS OF INTEREST

- Geological points of interest

("Source: Geological Highways Map of Nova Scotia by Bujak, J.P. and Donohoe, H.V., Jr., 1980. Atlantic Geoscience Society, Special Publication No. 1.)

LAND USE

- Land owned by mining companies (Z)

Note: The following categories are those land uses which completely or partially restrict mineral exploration and mining.

COMPLETELY RESTRICTED

- National Defence land (D)
- National park, national historic park, national historic site, heritage canal (NP)
- NSDME* closure area (C)
- Uranium closure area (U)

PARTIALLY RESTRICTED

- Protected beach (designated under the Beaches Preservation and Protection Act) (B)
- Ecological site/protected s/e (designated under the Special Places Protection Act) (E)
- Game preserve/wildlife management area (GP)
- Indian reserve (IR)
- Major airport (civilian) (A)
- Preservation area (Peggys Cove and Sherbrooke Village) (R)
- Provincial park (or park reserve ≥ 2 km²) (P)
- Townicity land (T)
- Watersupply watershed (W)
- Land use boundary

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EDITION I.

To accompany Nova Scotia Department of Mines and Energy Information Series No. 16

MRLU
HANTS COUNTY
SHEET 11E/05
(part of 11E/06)

Nova Scotia Department of Mines and Energy

Canada - Nova Scotia Mineral Development Agreement