Nova Scotia Department of Mines and Energy

MINERAL RESOURCE LAND USE MAP OF LUNENBURG COUNTY

OFM 89-005
21A/07 (part of 21A/02)

Compiled By

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1989

HONOURABLE JACK McISAAC
MINISTER

JOHN J. LAFFIN, P.ENG., FEIC
DEPUTY MINISTER

SCALE: 1:50 000

Miles 0 1 2 3 Miles
Metres 1000 0 1000 2000 3000 4000 Metres

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 provincial 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.

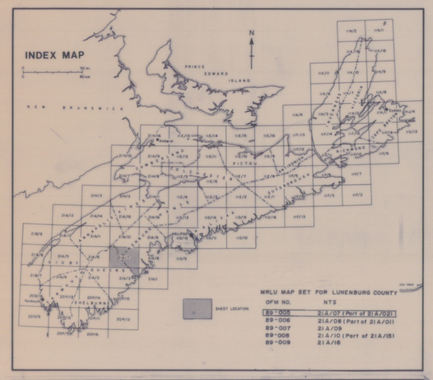
The Mineral Resource Land Use (MRLU) map series is part of that project. These maps provide information about the location and distribution of mineral and energy resources in Nova Scotia. They also show certain land uses which affect, either positively or negatively, mineral exploration and mining. The 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The information presented on the MRLU maps is compiled from published and unpublished maps and reports available at Nova Scotia Department of Mines and Energy.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

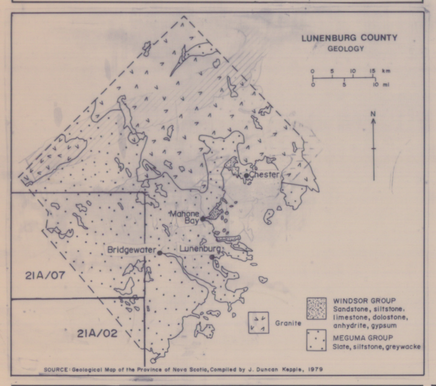


MRLU MAP SET FOR LUNENBURG COUNTY

OFM NO.	NTS
89-005	21A/07 (Part of 21A/02)
89-006	21A/08 (Part of 21A/01)
89-007	21A/09
89-008	21A/10 (Part of 21A/15)
89-009	21A/16

SHEET LOCATION

LUNENBURG COUNTY
GEOLOGY



WINDSOR GROUP
Sandstone, siltstone, limestone, dolostone, anhydrite, gypsum

MEGUMA GROUP
Slate, siltstone, greywacke

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

21A/02 INSET

INSET 21A/02

Base map derived from National Topographic 1:50,000 Series Produced by Surveys and Mapping Branch, Energy Mines and Resources, Canada, Edition ; Information Current as of 19

SAND & GRAVEL RESOURCES

- Sand deposit
- Gravel deposit
- Sand & gravel deposit
- Pit (active, abandoned or active on demand) (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 — H01-02(M) Au
- Mine tailings
- Gold mining camps** — name
- 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	Strontium	Sr
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 # H01-02 — Primary commodity - gypsum — H01-02(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:

Alumina	Diatomite	Marl
Agate	Dolomite	Mica
Agalmatolite	Epidote	Peat moss
Amethyst	Feldspar	Potash (sylvite, carnallite)
Andalusite (alumina)	Fluorite	Rocksalt (halite)
Anhydrite	Fullers earth	Sandstone
Anorthosite	Garnet	Serpentine
Barite	Graphite	Shale
Beryl	Graphite	Silica (quartz, quartzite)
Bitumen	Gravel/clay pebbles	Silica Sand
Brucite	Gypsum	Slate
Building stone	Howlite (borate)	Spodumene (lithium)
Celestite (strontium)	Ilmenite, rutile (titanium)	Sulphur
Chalcedony	Jasper	Talc
Clay	Limestone	Topaz
Crushed stone	Magnesite	Wollastonite
Danburite (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 P
  Sample: Miscellaneous drillhole with petroleum show — Index # M-54, NSDME* publication, **Petroleum Wells and Drillholes With Petroleum Significance.** — M-54 P

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 / leased 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)
- Uranium closure area (U)

PARTIALLY RESTRICTED

- Protected beach (designated under the Beaches Preservation and Protection Act) (B)
- Ecological site/protected site (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) (P)
- Town/city land (T)
- Watersupply watershed (W)
- Land Use Boundary

Nova Scotia Department of Mines and Energy

Canada – Nova Scotia Mineral Development Agreement

COMPILED MARCH, 1989
EDITION 1

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

MRLU
LUNENBURG COUNTY
SHEET 21A/07
(part of 21A/02)