

Bedrock Geology Map of the Liscomb Complex (Parts of NTS sheets 11E/01, 11E/02, 11E/07 and 11E/08), Nova Scotia

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Scale 1:50 000

Halifax, Nova Scotia
2008



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LEGEND

CARBONIFEROUS

HORTON GROUP (undivided)

CHu (CHu) sandstone and pebbly sandstone, grey, shale, dark grey to black, local conglomerate with clasts of Meguma Zone pebbles; used in the map area only north of the West River St. Marys Fault.

WESTERN LISCOMB COMPLEX

DEVONIAN

ELL, PL, NL, ML

SOUTH LOON LAKE (ELL), PORCUPINE LAKE (PL), NELSON LAKE (NL) and MOOSE LAKE (ML) LEUCOMONZOGRANITES: fine- to medium-grained, equigranular; proportions of biotite and muscovite variable, pink to buff in colour.

inferred intrusive contacts

ELL, S

EAST LOON LAKE (ELL) and SANCTUARY (S) MONZOGRANITES: megacrystic, medium- to coarse-grained, grey, biotite > muscovite; intruded by Porcupine Lake, Nelson Lake and South Loon Lake metamorphic suites.

inferred intrusive contacts

TL

TWIN LAKES GRANODIORITE (TL) medium-grained; in part megacrystic, grey; biotite is the single Fe-Mg mineral present; intruded Pogue Lake metamorphic suite.

inferred intrusive contacts

TML, BL

TEN MILE LAKE GABBRO (TML) quartz gabbro to quartz-diorite, with xenoliths of the Meguma Gneiss and the Pogue Lake metamorphic suite.

inferred intrusive contacts

LCgn, Mgn

LITTLE COMO LAKE GNEISS (LCgn) gneissic rocks of felsic to intermediate composition with sillimanite, cordierite and corundum.

MOOSE LAKE GNEISS (Mgn) gneisses and schists with garnet, cordierite, andalusite and sillimanite.

inferred intrusive contacts

PLm, HLgn

POGUE LAKE METAMORPHIC SUITE (PLm) high-grade mafic and felsic gneisses, schists and quartzofeldspathic gneisses; subdivision of the Pogue Lake metamorphic suite.

inferred intrusive contacts

CAMBRIAN - ORDOVICIAN

MEGUMA GROUP

CHu, COg

MALBAIE FORMATION (COg) metapelites, grey to dark grey, with thinly intercalated metagreywacke; highly magnetic; mapped in detail only in close proximity to the Liscomb Complex; distribution otherwise compiled from previous maps (Fairbairn, 1997, 1999; Fletcher and Fairbairn, 1997, 1999; Fletcher and Fairbairn, 1997, 1999; modified through interpretation of regional airborne magnetic maps of the Geological Survey of Canada (1985a, b, 1987a, b) and (1987c, d)).

CHu, COg

CHUQUOYON FORMATION (CHu) metagreywacke with minor metapelites, medium grey to dark grey in colour; mapped only in close proximity to rocks of the Liscomb Complex; distribution otherwise compiled from previous maps (Fairbairn, 1997, 1999; Fletcher and Fairbairn, 1997, 1999).

SYMBOLS

Outcrop (example number) 109

Radiometric date (⁴⁰Ar/³⁹Ar, Ma) 3744.4 A

Radiometric date (U-Pb, zircon/monzonite, Ma) 3743.3 U

Diamond-drill hole LC-1

Mineral occurrences: gold-Au, iron-Fe, lead-Pb, antimony-Sb, zinc-Zn (from Nova Scotia Department of Natural Resources, Mineral Occurrences Database) Au

Geological boundary (approximate) ---

Limit of alteration ---

Fault, steeply dipping (approximate) ---

Thrust fault (approximate) ---

Collector highway ---

Hard surface road ---

Loose surface road ---

Resource access road ---

Vehicle track ---

Trail/footpath ---

County boundary ---

Transmission lines ---

Contour ---

Index contour ---

Depression contour ---

Index depression contour ---

Single-line rivers, streams ---

Lakes ---

Map Notes

Universal Transverse Mercator Projection (UTM), Zone 20, Central Meridian 63°00' West.

North American Datum (NAD) 1983.

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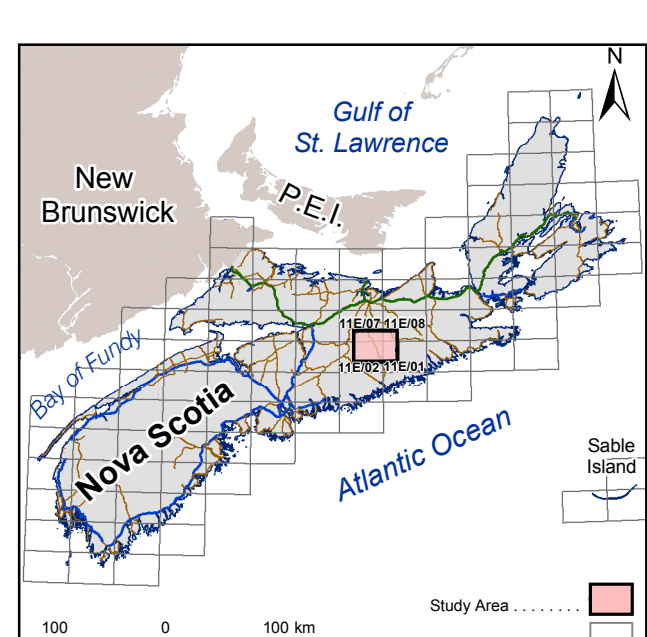
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Regional Key Map



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Recommended Citation

Giles, P.S., Chatterjee, A.K. and Ford, K.L. 2008. Bedrock Geology map of the Liscomb Complex (parts of NTS sheets 11E/01, 11E/02, 11E/07 and 11E/08), Nova Scotia. Nova Scotia Department of Natural Resources, Mineral Resources Branch, Open File Map ME 2008-4, scale 1:50 000.

