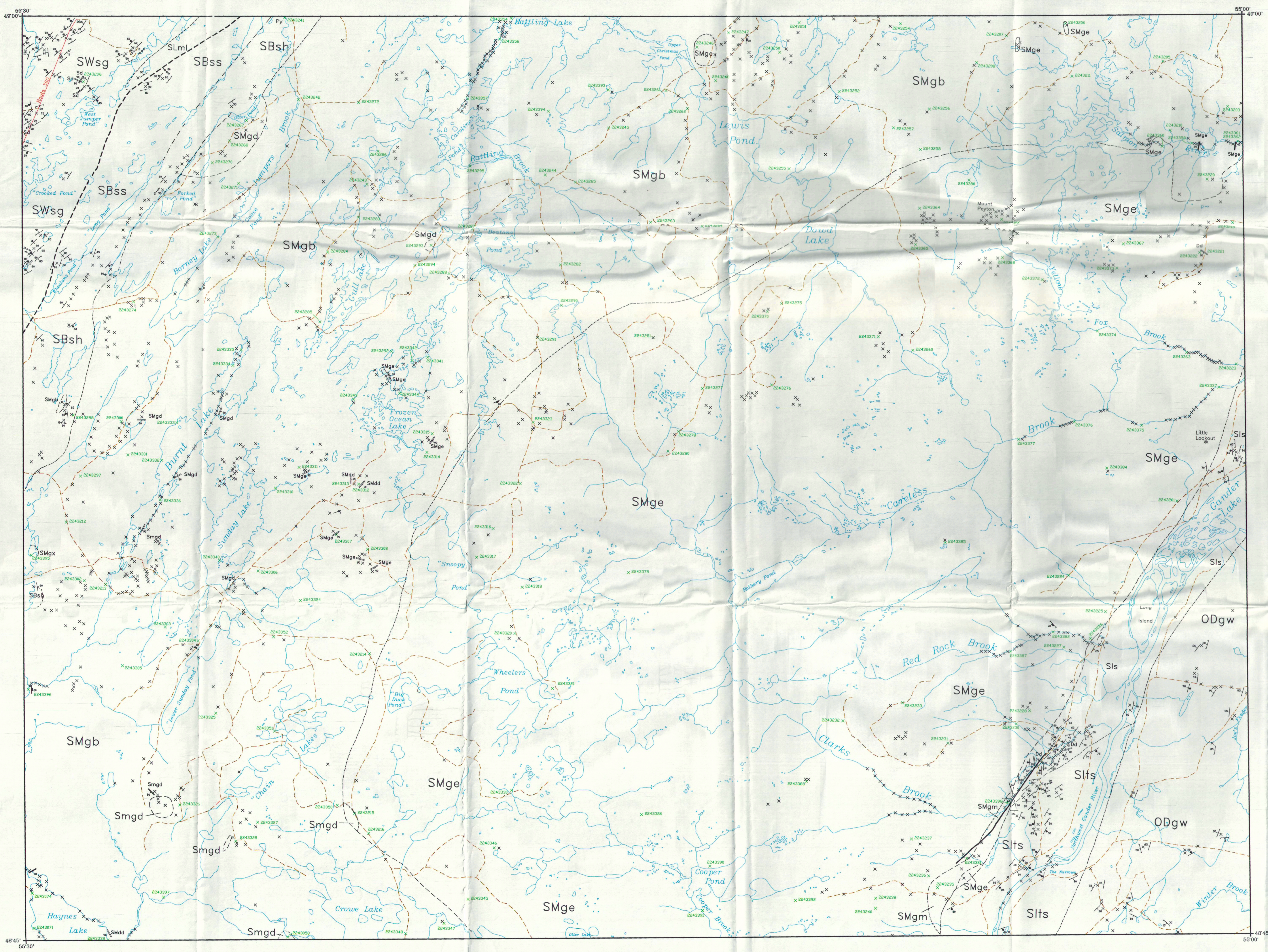
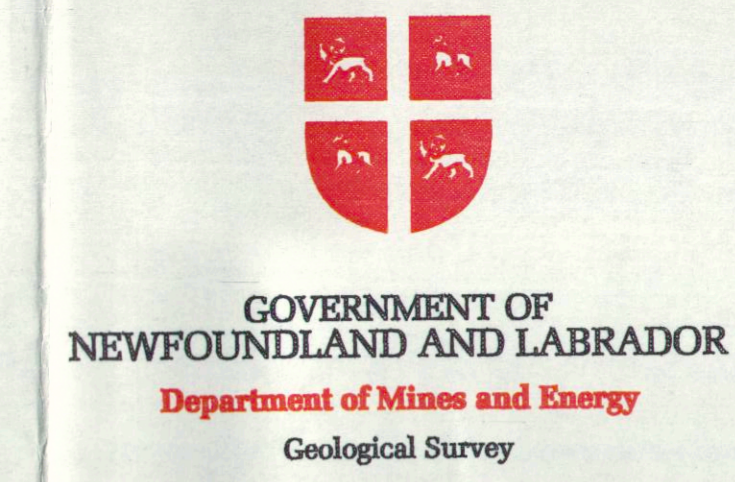


GEOCHEMICAL SAMPLE SITES IN THE MOUNT PEYTON (NTS 2D/14), MAP AREA, CENTRAL NEWFOUNDLAND



LEGEND

DEVONIAN OR YOUNGER

Dd Grey, massive, fine-grained, olivine + pyroxene porphyritic, diabase dyke

EARLY SILURIAN TO DEVONIAN?

MOUNT PEYTON INTRUSIVE SUITE (SM)

SMge Pink, massive, leucocratic, fine- to medium-grained, locally microlitic, equigranular, biotite ± hornblende granite

SMgx White and buff, massive, medium- to fine-grained, equigranular, biotite granite associated with migmatized Badger Group strata

SMgd Grey and buff, massive, medium-grained equigranular, biotite granite and granodiorite

SMdd Grey, massive, equigranular, diabase and gabbro dykes

SMgb Grey, massive, equigranular, fine- and medium-grained gabbro ± hornblende ± biotite gabbro; **SMgm** massive, medium-grained metagabbro

EARLY SILURIAN OR YOUNGER

Sd Grey, massive, equigranular and plagioclase-porphyritic diabase dykes

SILURIAN

Llandovery? to Ludlow

BOTWOOD GROUP (Units SW and SL)

Wigwam Formation

SWsg Red, grey and green, cleaved, mainly medium- to thick-bedded, micaceous sandstone, siltstone and minor felsic volcanic-clast conglomerate

Lawrenceton Formation

SLmi Grey, cleaved, fine-grained basalt

Llandovery or younger

INDIAN ISLANDS GROUP

Sls Cream, grey, green and minor red, cleaved, thin- to medium-bedded, micaceous sandstone, siltstone and minor grey sandstone, highly sheared along the upper portion of Clarks Brook where the melange contains isolated lentilles of graphic chert

Slt Grey and green, poorly cleaved, medium- to thick-bedded, feldspathic sandstone and well-cleaved siltstone

LATE ORDOVICIAN to LLANDOVERY

Badger Group (SB)

SBsh Contact metamorphosed, grey, massive, medium-bedded psammite comprising migmatite, biotite ± cordierite ± andalusite psammite hornfels intruded by fine-grained gabbro and granite veins, and minor granite pegmatite veins

SBss Grey, cleaved, medium-bedded greywacke sandstone and siltstone and comprising migmatite, biotite ± cordierite ± andalusite psammite hornfels

MIDDLE ORDOVICIAN

DAVIDSVILLE GROUP

ODgw Dark grey to black, well-cleaved, medium- to thick-bedded sandstone, siltstone and slate

SYMBOLS

Geological contact (defined, approximate, assumed, transitional)

Fault (defined, assumed)

Outcrop

Geochemical sample site 2241234

Bedding tops known (inclined, vertical, overturned)

Bedding tops unknown (inclined, vertical)

Cleavage first generation (inclined, vertical)

Cleavage second generation (inclined, vertical)

Shear fabric

Minor fold axis (with plunge)

Z-fold, S-fold, U-fold

Intersection lineation

Igneous layering

Igneous mineral lineation

Vein

Dyke

Mineral occurrence (Gold, Pyrite) Au, Py

Dimension stone quarry St

Notes: Many other woods roads occur within map area 2D/14. See Dickson (1992) for the location of roads other than those appearing on the NTS topographic map.

Approximate magnetic declination 1986 for centre of map is 26° 34' decreasing 8.2" annually.

Geology by W. Lawson Dickson; field assistance by Barry N. Wheaton. Data for the area east of the Northwest Gander River from Blackwood (1982, Report 82-4).

Geochemical samples collected by W.L. Dickson during 1992.

Cartography by W. Lawson Dickson.

This map is modified from Geological Survey Branch Map 9222 by W.L. Dickson.

This project is a contribution to the Canada - Newfoundland Cooperation Agreement on Mineral Development 1990 - 1994. Project carried out by the Newfoundland Department of Mines and Energy.

References cited

Blackwood, R.F. (1982). Geology of the Gander Lake (2D/15) and Gander River (2D/2) areas. Newfoundland Department of Mines and Energy, Mineral Development Division, Report 82-4, 56 pages.

Dickson, W.L. (1992). Geology of the Mount Peyton (NTS 2D/14) map area. Newfoundland Department of Mines and Energy, Geological Survey Branch Open File Map 9222.

Recommended Citation

Dickson, W.L. (1992). Geochemical data and sample sites from the Eastern Pond (NTS 2D/11), Mount Peyton (NTS 2D/14), and Botwood (NTS 2E/03) map areas Central Newfoundland - Mount Peyton area. Newfoundland Department of Mines and Energy, Geological Survey Open File NFLD/2614.

Open File NFLD/2614

Map 96-27. Part of Open File NFLD/2614

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