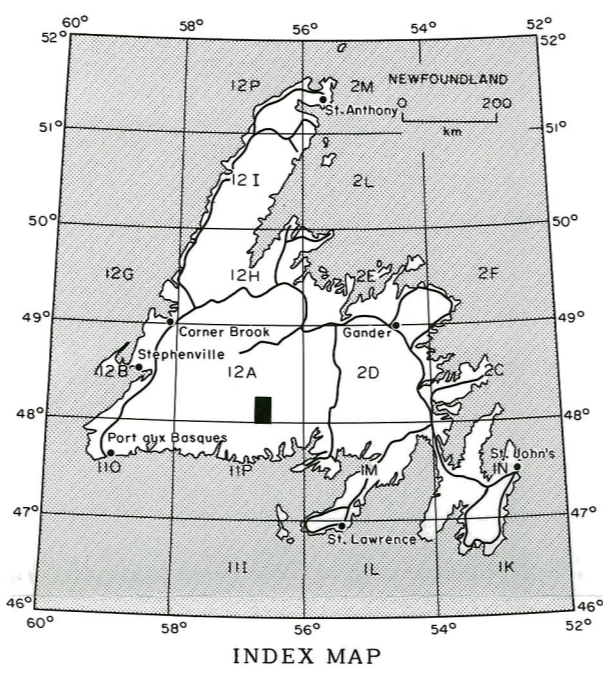


- LEGEND**
- DEVONIAN AND YOUNGER**
- 25 Massive diabase dykes
 - 24 Quartz veins
 - 23 Pink to buff, massive, very fine- to fine-grained, quartz - sandline porphyry dykes
- SILURIAN - DEVONIAN**
- 22 Massive, leucocratic, biotite microgranite dykes
- NORTH BAY GRANITE SUITE (Units 8 to 21)**
- 21 Pink to buff, weakly foliated, medium grained, equigranular to feldspar porphyritic, muscovite - biotite granite
 - 20 UPPER SALMON ROAD GRANITE: Grey to pink, massive to weakly foliated, K-feldspar porphyritic, biotite granite
 - 19 Pink, massive to weakly foliated, medium grained, K-feldspar porphyritic, muscovite - biotite ± garnet granite; 19a, DOLLAND POND GRANITE; 19b, MORGAN BROOK GRANITE; 19c, HUGHES BROOK GRANITE; 19d, D'ESPOIR LAKE GRANITE
 - 18 WOLF MOUNTAIN GRANITE: Pink to buff, massive to weakly foliated, coarse grained, K-feldspar porphyritic, muscovite - biotite granite
 - 17 Pink to buff, massive to weakly foliated, coarse grained, K-feldspar porphyritic, biotite granite; 17a, DOLLAND BROOK GRANITE; 17b, FACHEUX BAY EAST GRANITE
 - 16 WOLF LAKE GRANITE: White to buff, massive, coarse grained, equigranular, garnet - biotite - muscovite granite
 - 15 Buff, massive, medium grained, equigranular, muscovite - biotite granite
 - 14 MEELPAEG LAKE GRANITE: Buff, weakly foliated to massive, medium grained, equigranular, biotite ± muscovite granite and granodiorite
 - 13 Pink to orange, foliated, medium grained, equigranular, muscovite - biotite granite
 - 12 BOTTOM BROOK GRANITE: Grey to orange, weakly foliated to massive, feldspar porphyritic, biotite ± muscovite granite and granodiorite
 - 11 EAST BAY GRANITE: Grey to buff, weakly foliated to massive, medium grained, equigranular, biotite ± muscovite granite and granodiorite; commonly contains screens of migmatite
 - 10 WOLF LAKE NORTH GRANODIORITE: Grey to buff, foliated, medium grained, equigranular to feldspar porphyritic, biotite granodiorite; commonly contains screens of migmatite
 - 9 D'ESPOIR BROOK GRANITE: Pink to white, strongly foliated to massive, medium- to coarse-grained, equigranular, garnet - biotite - muscovite granite; locally contains abundant granite pegmatite
 - 8 Pink to buff, strongly foliated, coarse grained, microcline porphyritic, biotite granite
- SILURIAN**
- BURGEO GRANITE (Units 6 and 7)**
- 7 Pink, protomylonitic to mylonitic, K-feldspar porphyroclastic granite
 - 6 Pink, very strongly foliated to protomylonitic, medium grained, equigranular, muscovite - biotite granite
- SILURIAN?**
- 5 Interbedded sandstone, siltstone and slate, and polymict pebble conglomerate; minor, thickly bedded, subangular, polymict cobble conglomerate
- LOWER TO MIDDLE ORDOVICIAN**
- BAY DU NORD GROUP**
- 4 Highly deformed, migmatitic metasediment and psammite cut by numerous granite veins, dykes and plugs
- BAIE D'ESPOIR GROUP (Units 3a to 3h)**
- NORTH STEADY POND FORMATION (Units 3e to 3h)**
- 3h Grey and green, thin bedded, slate and minor sandstone
 - 3g Very thickly bedded, brown weathering, grey, massive sandstone and minor interbeds of Unit 3f
 - 3f Thin bedded, black, highly folded and quartz veined, graphitic slate and siltstone
 - 3e Very thickly bedded, schistose, quartz - feldspar crystal tuff and coarse grained, epiclastic sandstone
- RICHES ISLAND FORMATION (Units 3c and 3d)**
- 3d Migmatite locally with sillimanite porphyroblasts; probably derived from Unit 3c
 - 3c Highly deformed, highly metamorphosed, pelitic, semipelitic and psammite schist; intruded by numerous dykes of East Bay Granite
- SALMON RIVER DAM FORMATION (Units 3a and 3b)**
- 3b Thin bedded, strongly cleaved, commonly rust coloured, biotite pelite
 - 3a Thin- to medium-bedded, well-cleaved, grey to cream coloured, thin- to medium-bedded sandstone, calcareous sandstone and siltstone, and thick bedded limestone
- SPRUCE BROOK FORMATION (Units 2a to 2e)**
- 2e Highly deformed, psammite and semipelitic schist and minor phyllitic rhyolitic tuff, locally intruded by strongly foliated granitoid dykes
 - 2d Migmatite and biotite psammite intruded by numerous weakly foliated granitoid dykes; high-grade equivalent of Units 2a and 2b
 - 2c Clast-supported, orthoquartzite-cobble conglomerate and minor matrix-supported, slate- and quartzite-pebble breccia and coarse sandstone; minor lapilli tuff
 - 2b Thin bedded, grey to black pelite and minor psammite and semipelite
 - 2a Biotite psammite and orthoquartzite; minor semipelite
- LOWER ORDOVICIAN OR OLDER**
- 1 Highly sheared and quartz-veined, chromite-bearing magnesite
- Note: Legend is common to NTS maps 11P/15E, 11P/16 and 12A/2E. Therefore all units may not appear on each map.

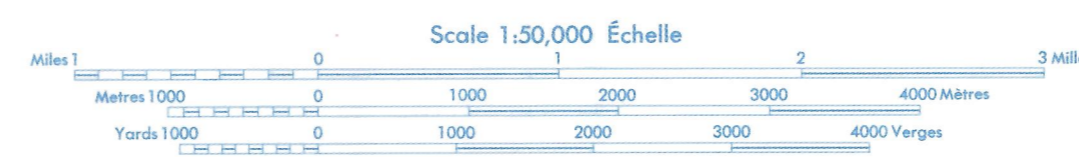


- MINERAL OCCURRENCES**
- Quartz.....q
 - Pyrite.....py
 - Scheelite.....W

- SYMBOLS**
- Geological contacts (defined, approximate, assumed, gradational).....
 - Bedding, tops known (inclined, overturned).....
 - Bedding, tops unknown (inclined, overturned).....
 - Fault (defined, approximate, assumed).....
 - Cleavage or schistosity
 - regional first generation (inclined, vertical).....
 - regional second generation (inclined, vertical).....
 - Migmatitic foliation (inclined, vertical).....
 - Fold plunge - first generation, second generation,
 - migmatite, (direction and amount of plunge).....
 - Geochemical sample location and number
 - (sample numbers prefixed by 224xxxx in data listings).....
 - Outcrop area.....
 - Isolated outcrop.....
 - Glaciofluvial outwash.....
 - Glacial striation (direction of ice flow known).....
 - Diabase dyke.....
 - Microgranite dyke.....
 - Quartz vein.....

Geology by W.L. Dickson, S.L. Tomlin and P.W. Delaney, 1983, 1984.
 Geological cartography by Drafting Section, Geological Survey Branch, Department of Mines and Energy, Government of Newfoundland and Labrador.
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 Base map at same scale published by Surveys and Mapping Branch, Department of Energy, Mines and Resources, Ottawa, 1973.
 Approximate magnetic declination, 1989, for centre of map 12A/2 is 26°5.2'W, decreasing 3.3' annually.

**GEOLOGY OF THE WOLF MOUNTAIN (EAST HALF) MAP AREA WITH
GEOCHEMICAL SAMPLE SITES**



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