

LEGEND

VOLCANIC AND SEDIMENTARY ROCKS

(?) CARBONIFEROUS

Crr Rocky Ridge Complex: Riebeckite-bearing flow-banded rhyolite and ignimbrite.

CMBRIAN

INLET GROUP **Ei** Undivided

Cdv Pleasant View Formation: Black shale, red and green mudstone, grey siltstone, grey and pink limestone.

Csp Salt Pond Formation: Red, purple, green and grey shale, pink limestone nodules and beds.

Cbv Bay View Formation: Grey-green siltstone, red micaceous sandstone and grey quartzite beds.

PRECAMBRIAN

MARYSTOWN GROUP

Pb Barsway Formation: (a) Vent agglomerate, (b) red sandstone, (c) lithic tuff, volcanic breccia, (d) basalt, (e) spherulitic rhyolite, (f) ignimbrite.

Pbr Branching Rivers Formation: (a) Mafic flows, (b) acidic pyroclastics, (c) rhyolite flows (possibly ignimbrite) (d) ignimbrite, (possibly equivalent to Tilt Hills Formation).

Pbh Beacon Hill Formation: (a) Coarse acidic and intermediate agglomerate, (b) rhyolite flows and tuff, minor mafic lithic tuff.

Pth Tilt Hills Formation: (a) Porphyritic basalt and volcanic breccia, (b) acidic pyroclastics, (c) ignimbrite.

Pla Mount Lucy Anne Formation: (a) Flow-banded and spherulitic rhyolite, (b) basalt, locally pillowed, (c) acidic pyroclastics, (possibly equivalent to Beacon Hill Formation).

Psa Mount Ste. Anne Formation: (a) Rhyolite flows, (b) acidic lapilli and lithic tuff (locally spherulitic).

BURIN GROUP

Pbp Beaver Pond Formation: Pillowed tholeiitic basalt, alkaline near Mt. Margaret, some waterlain mafic pyroclastics, minor limestone.

Pw Wandsworth Formation: (a) Tholeiitic gabbro, coarse to fine grained, locally layered, (b) granodiorite.

Ppe Path End Formation: Pillowed tholeiitic basalt, subordinate mafic pyroclastics and chert, (laterally equivalent to Port au Bras Formation).

Ps Sculpin Point Formation: Grey-green thick bedded siltstone, sandstone, conglomerate, black shale, argillite, subordinate mafic flows and sills, (possibly equivalent to Port au Bras and Corbin Head Formations).

Ppb Port au Bras Formation: Dominantly waterlain mafic pyroclastics, abundant pillowed basalt, tuffaceous sandstone, black argillite, recrystallized dolomitic limestone and limestone breccia.

Pch Corbin Head Formation: Grey-green sandstone, siltstone conglomerate, red argillite, limestone lenses. Most are graded and volcanically derived, (possibly a distal facies of the Rock Harbour Group).

Ppi Parly Island Formation: Pillowed alkali basalt with minor red-grey argillite, grey-wacke, red limestone lenses.

ROCK HARBOUR GROUP

Ph Undivided (cgl=conglomerate)

Pjc Jiggling Cove Formation: Monotonous shale and laminated siliceous siltstone, recrystallized dolomitic limestone beds and breccias, grey sandstone, quartz pebble conglomerate.

Pwc Wild Cove Formation: Poorly sorted to imbricated conglomerate and cross-bedded sandstone.

Pdc Deadmans Cove Formation: Well sorted cross-bedded grey sandstone, siltstone, conglomerate.

INTRUSIVE ROCKS

CARBONIFEROUS (?)

Csl St. Lawrence Granite: Alkaline to peralkaline alaskitic granite, locally porphyritic (riebeckite locally visible in hand specimen).

Cw Winterland Porphyry: Alkaline to peralkaline quartz-K-feldspar-phryic alkalis (contains riebeckite in groundmass).

Cgb Grand Beach Porphyry: Alkaline granite with phenocrysts of quartz and K-feldspar and abundant mafic and acidic xenoliths.

PRECAMBRIAN

Psc Seal Cove Pluton: Coarse to fine grained gabbro to monzonite.

Pth Loughins Hill Pluton: Coarse to medium grained black to green hornblende gabbro.

Pod Anchor Drogue Pluton: Pink to grey medium grained granodiorite to quartz diorite.

Pmm Mount Margaret Gabbro: Coarse grained black feldspar-phryic gabbro.

Pdd Diabase and Gabbro Dikes: Black, aphanitic to medium grained, aphyric to porphyritic.

MORTIER BAY GROUP

Pg Garnish Formation: Augite-rich basalt flows, mafic tuff, red sandstone and red conglomerate (undivided).

Pel Cashel Lookout Formation: (a) Undivided acidic pyroclastics, (b) flow-banded rhyolite (and) or ignimbrite, (c) volcanoclastic sediments.

Pc Creston Formation: (a) Subaerial alkali basalt flows, (b) intermediate pyroclastics and sediments, (c) acidic pyroclastics and sediments.

SYMBOLS

Geological contact (defined, assumed)

Thrust fault, teeth on upper slice (defined, assumed)

Normal fault, defined, assumed (solid circle indicates downthrow side)

Fault of unknown nature (defined, assumed)

Axis of anticline, syncline

Bedding (inclined, vertical, overturned)

Cleavage or schistosity (inclined, vertical)

Limestone bed or breccia

Fluorite vein

Mineral occurrence

Abandoned mine

Shaft

Trench

Diamond drill hole

Fossil locality

Location of analysed sample

Ag silver

Cu copper

Pb lead

Zn zinc

U uranium

Mn manganese

Mo molybdenum

ba barite

pph pyrophyllite

dum dumortierite

fl fluorite

Geology by D.F. Strong, S.J. O'Brien, S.W. Taylor, P.G. Strong, D.H. Wilton, 1976.

This map is available as map 7720.

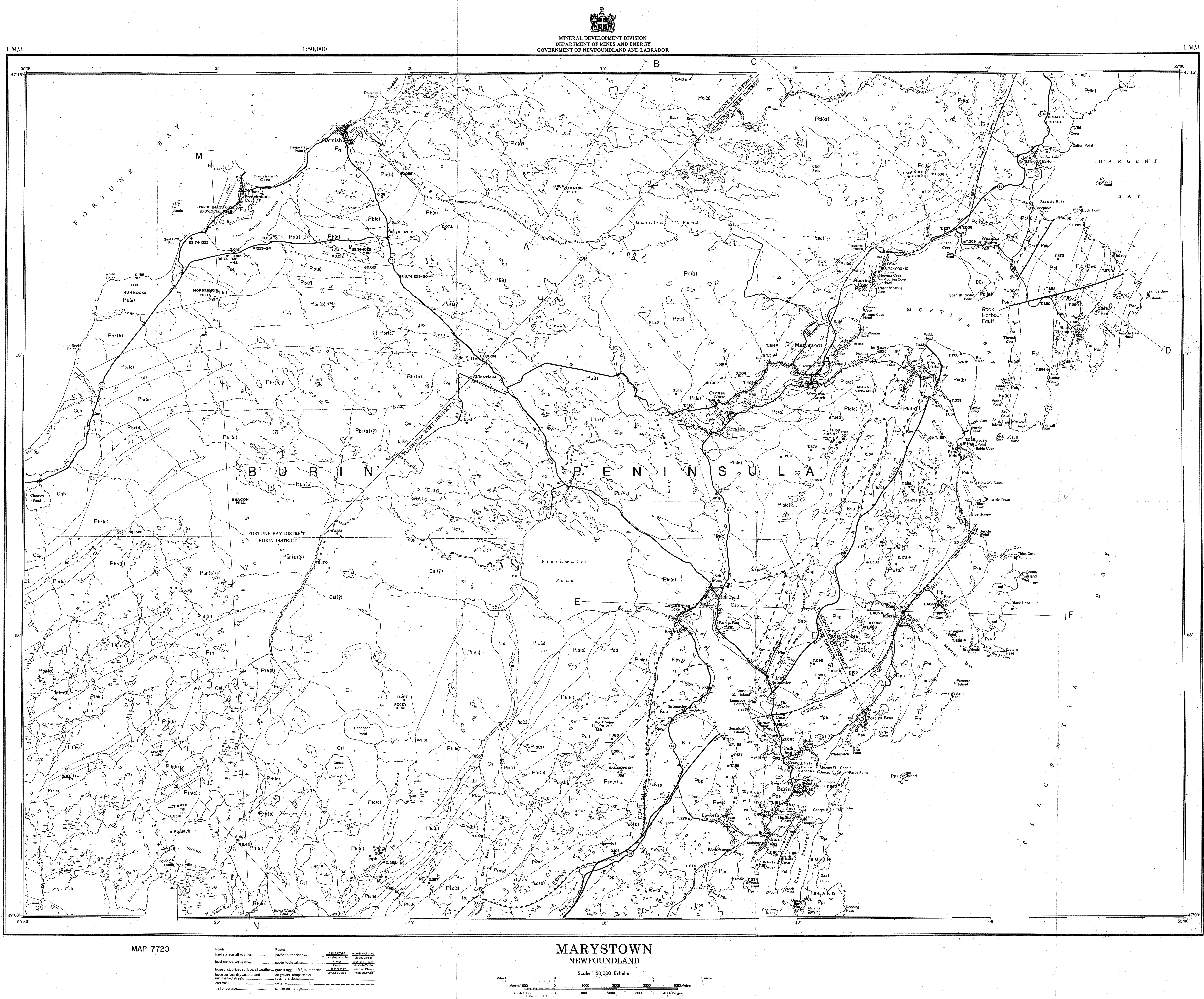
Geological cartography by Mineral Development Division, Department of Mines and Energy, Government of Newfoundland and Labrador, St. John's.

Copies of this map may be obtained from the Publications and Information Section, Mineral Development Division, Department of Mines and Energy, P.O. Box 4750, St. John's, Newfoundland, A1C 5T7.

Base maps at same scale published by the Surveys and Mapping Branch, Department of Energy, Mines and Resources, Ottawa, 1971.

Elevation in feet above mean sea level.

To accompany Report 77-8 by D.F. Strong, S.J. O'Brien, S.W. Taylor, P.G. Strong, D.H. Wilton.



**MARYSTOWN
1 M/3**

Geology by D.F. Strong, S.J. O'Brien, S.W. Taylor, P.G. Strong, D.H. Wilton, 1976.

This map is available as map 7720.

Geological cartography by Mineral Development Division, Department of Mines and Energy, Government of Newfoundland and Labrador, St. John's.

Copies of this map may be obtained from the Publications and Information Section, Mineral Development Division, Department of Mines and Energy, P.O. Box 4750, St. John's, Newfoundland, A1C 5T7.

Base maps at same scale published by the Surveys and Mapping Branch, Department of Energy, Mines and Resources, Ottawa, 1971.

Elevation in feet above mean sea level.

To accompany Report 77-8 by D.F. Strong, S.J. O'Brien, S.W. Taylor, P.G. Strong, D.H. Wilton.