

**PRELIMINARY GEOLOGICAL MAP OF PART OF THE
GLOVERTOWN (2D/9) MAP AREA, NEWFOUNDLAND**
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- DEVONIAN**
- TERRA NOVA GRANITE (Unit 20)**
- 20 Massive to very weakly foliated, pink, medium to mainly coarse grained, K-feldspar porphyritic, biotite ± hornblende granite; rare apatite
 - 19 Weakly foliated, coarse grained, equigranular to megacrystic granite
 - 18 Pink, beccatized granite
- GANDER LAKE GRANITE**
- 17 Massive, grey to white, K-feldspar megacrystic, biotite-muscovite granite
- SILURIAN-DEVONIAN**
- 16 Massive, coarse-grained to megacrystic granite
- SILURIAN (?)**
- 15 Unseparated, foliated fine, medium, coarse-grained, and megacrystic granite; contains minor metasedimentary rocks
 - 14 Mylonitic, variably megacrystic to coarse grained, K-feldspar porphyritic granite; ultramylonite; amphibolite; minor weakly foliated granite
 - 13 Foliated, fine-grained leucogranite; locally contains unseparated metasedimentary rocks (< 30 percent of exposure) and minor megacrystic granite; 13a, pink, muscovite-biotite granite
 - 12 Foliated, pink, grey and white, K-feldspar megacrystic biotite granite; locally intruded by minor unseparated leucogranite (Unit 13); contains minor metasedimentary rocks north of Maccles Lake
- SILURIAN AND EARLIER**
- 11 Unseparated, foliated granite and metasedimentary rocks (in approximately equal proportions)
- EARLY ORDOVICIAN OR EARLIER**
- HARE BAY GNEISS**
- 10 Unseparated metasedimentary gneiss, orthogneiss, mobilized gneiss, amphibolite
- GANDER GROUP**
- 9 Predominantly schistose, coarse grained, sillimanite-bearing metasedimentary rocks, containing minor amounts of unseparated foliated, fine- to coarse-grained and K-feldspar megacrystic granite
 - 8 Chlorite-grade metasedimentary rocks; sedimentary hornfels adjacent to the Gander Lake Granite
- LATE PRECAMBRIAN**
- 7 Gabbró diabase
- MUSGRAVETOWN GROUP (Units 1 to 3 were previously included in the Love Cove Group by Jenness (1953); no stratigraphical order for these units is implied)**
- 6 CROWN HILL FORMATION: planar-bedded and cross-bedded red and maroon sandstone; minor shale and pebble conglomerate; 6a, mafic and felsic volcanic breccia and associated equagene tuff
- ROCKY HARBOUR FORMATION (Units 4 and 5)**
- 5 Green and yellow cross-bedded sandstone; minor green conglomerate and red sandstone; 5a, massive and flow-banded rhyolite; minor felsic pyroclastic rocks; 5b, undivided red and green sandstone; 5c, basal, mafic tuff and associated metabasic rocks; 5d, highly cherted green sandstone and hornfels
 - 4 Variably strained, mainly green, massive, thin-bedded and cross-bedded, sandstone and phyllite, containing unseparated mafic flows and dykes and minor felsic tuff (includes rocks that may be equivalent to Unit 5)
 - 3 Mainly moderately strained, red, maroon and pink felsic volcanic rocks; parasitically banded rhyolite and ash-flow tuff; minor unseparated tuffaceous sedimentary rocks
 - 2 Basalt, mafic tuff and minor chert scoria
 - 1 Moderately to highly strained green, yellow, buff and white rhyolite to dacitic tuff and volcanic breccia; phyllonite; sericite schist

SYMBOLS

Geological contact (defined, approximate, assumed)	Foliation, high strain (generation unspecified)	Minor fold axis (second to fourth generation)
Bedding, tops known (inclined, vertical)	Lineations (first to fourth generation) mineral, c-crenulation	Fault (defined, approximate, assumed)
Bedding, tops unknown (inclined, vertical)	Axial trace of syncline (direction of plunge indicated)	Air photo lineament
Axial trace of anticline (direction of plunge indicated)	Cleavage or foliation (Axelson Zone) (inclined, vertical)	High strain zone
Foliation, second generation, Gander Zone (inclined, vertical)	Foliation, third generation, Gander Zone (inclined, vertical)	Foliation, fourth generation, Gander Zone (restricted to dextral high strain zone associated with the Dover Fault)
Foliation, first generation, Gander Zone (inclined, vertical)	Bedrock exposure	Limit of geological mapping

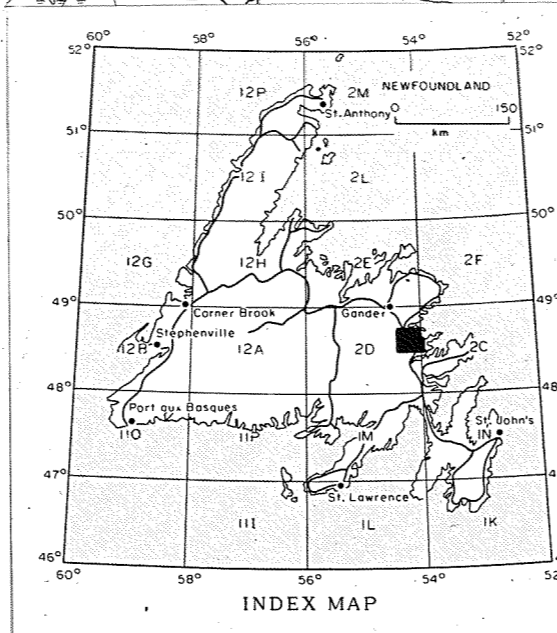
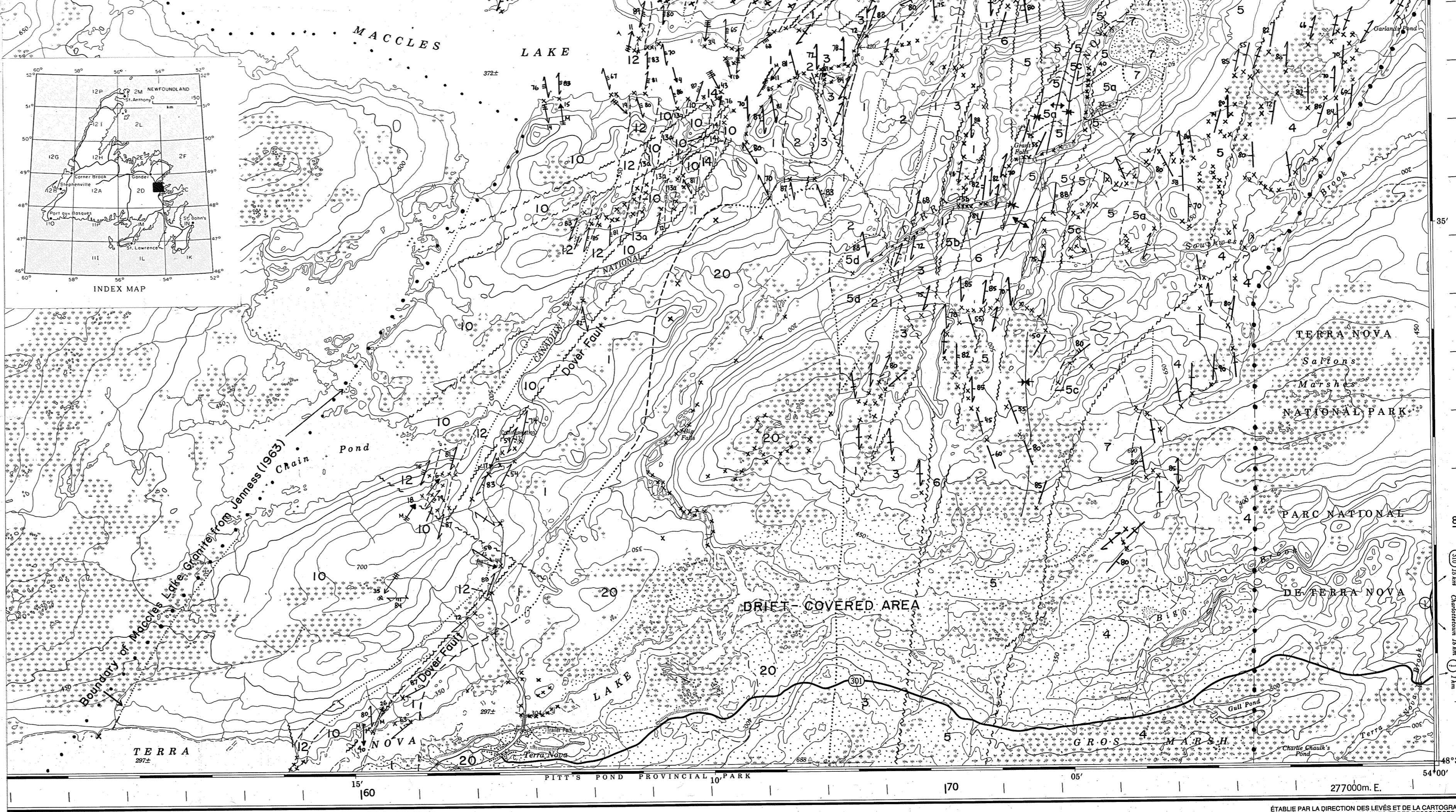
1 Refers to that portion of the Glovertown map area east of the Dover Fault; 2 Refers to that portion of the Glovertown map area west of the Dover Fault

This preliminary open file map is subject to revision and correction.

Copies of this map are available from the Publications and Information Section, Geological Survey Branch, Department of Mines and Energy, P.O. Box 8700, St. John's, Newfoundland, A1B 4J6

REFERENCE

Jenness, S.E.
1953. Terra Nova and Bonaville map areas, Newfoundland. Geological Survey of Canada, Memoir 327, 184 pages.



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O'Brien, O'Neill & Holdsworth
Map 71-167

**GLOVERTOWN
NEWFOUNDLAND
TERRE-NEUVE**

Scale 1:50 000 Échelle

CONVERSION SCALE FOR ELEVATIONS
Mètres 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790 800 810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990 1000

ÉCHELLE DE CONVERSION DES ALTITUDES
Mètres 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790 800 810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990 1000

CONTOUR INTERVAL, 50 FEET
ÉCHELLE DE CONVERSION DES ALTITUDES
Mètres 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790 800 810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990 1000

BROWN NUMBERED TICKS INDICATE THE 1000 METRE U.T.M. GRID ZONE 22

LES ANCHES BRUNES NUMÉRIQUES REPRÉSENTENT LE QUADRILLAGE U.T.M. DE 1000 MÈTRES

2 015	2 016	2 017
2 018	2 019	2 020
2 021	2 022	2 023

Scale 1:50 000 Échelle