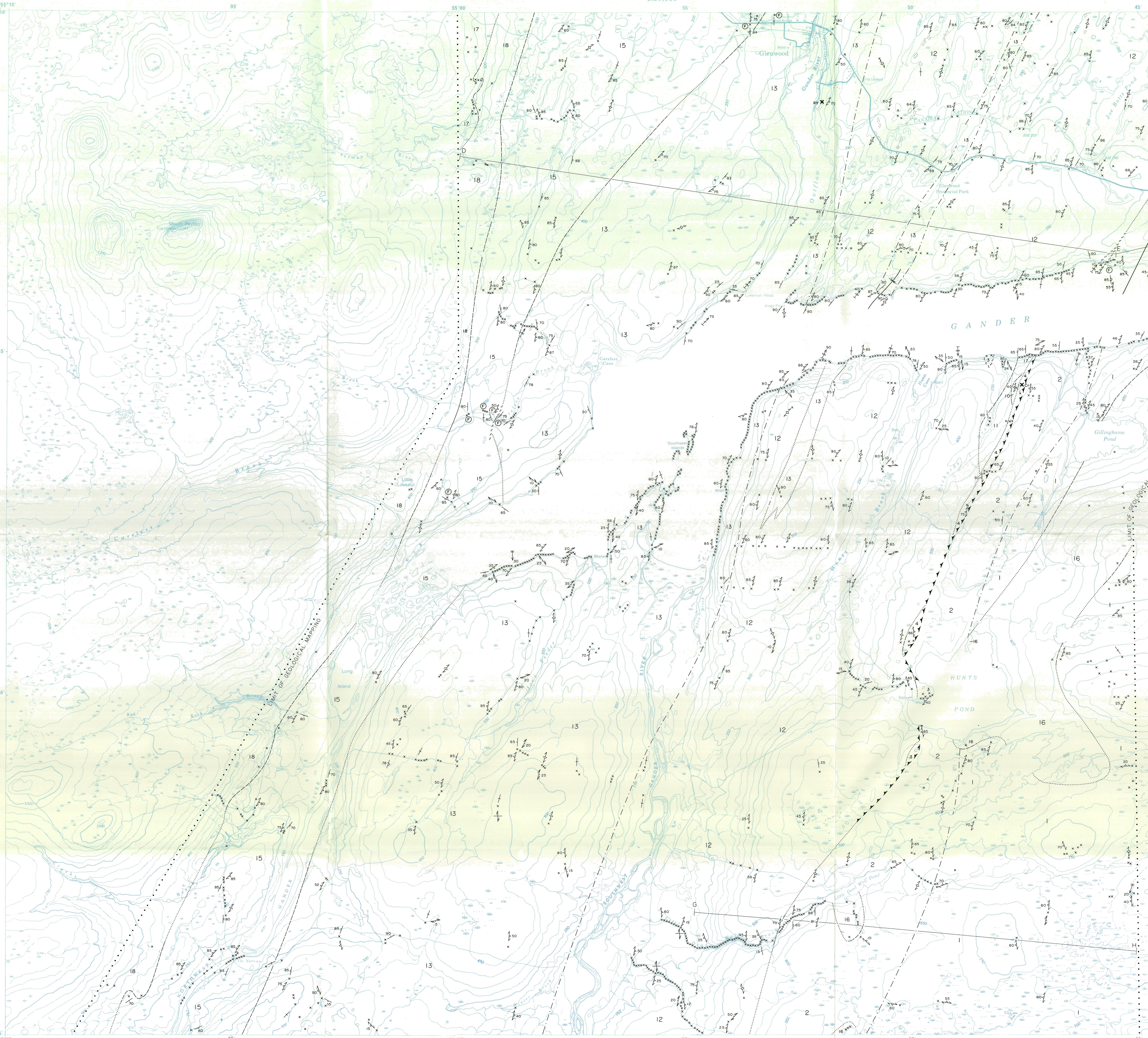
MINERAL DEVELOPMENT DIVISION
DEPARTMENT OF MINES AND ENERGY
GOVERNMENT OF NEWFOUNDLAND AND LABRADOR

2D/14E, 2D/15



LEGEND

DEVONIAN (?)

Unit	Description
18	*Fine to medium grained, pink granite*
17	*Fine to medium grained gabbro and diorite*
16	*Medium grained, two-mica, garnetiferous leucogranite*

SILURIAN

BOTWOOD GROUP

Unit	Description
15	*Gray and minor red sandstone and slate, locally micaceous; minor fossiliferous calcareous beds*
14	*Conglomerate*

MIDDLE ORDOVICIAN AND LATER

DAVIDSVILLE GROUP

Unit	Description
13	*Fine to coarse grained sandstone, locally with shale intraclasts, interbedded with gray to black siltstone and slate;* **13a,** *conglomerate*
12	*Gray to black slate and siltstone; minor red slate and minor sandstone*
11	*Fine to coarse grained gray sandstone with pebble lenses, calcareous siltstone; minor red sandstone, limestone (marble), quartzite, and gray to black slate.*
10	*Fine to coarse grained polymictic (locally oligomictic) conglomerate and minor sandstone*

LOWER ORDOVICIAN OR EARLIER

GANDER RIVER ULTRABASIC BELT

Unit	Description
9	*Quartz and/or feldspar porphyry, locally brecciated*
8	*Fine to coarse grained trondhjemite, locally brecciated*
7	*Fine to medium grained volcaniclastic rocks and porphyritic mafic flows*
6	*Mafic flows; including pillowed, porphyritic, and amygdaloidal varieties*
5	*Fine to coarse grained gabbro; including minor diorite, tonalite and basalt*
4	*Serpentinite, magnesite and talc/tremolite schist; including minor pyroxenite*
3	*Medium to coarse grained pyroxenite; including minor serpentinite, magnesite, amphibolite, hornblendite and gabbro.*

GANDER GROUP

Unit	Description
2	*Semipelite, pelite, minor psammite and concordant amphibolite bands*
1	*Psammite and semipelite; including minor mafic tuff bands*

SYMBOLS

Geological contact (defined, approximate, assumed, gradational) . . . .

Anticline (defined, approximate) . . . .

Syncline (defined, approximate). . . . .

Main schistosity or cleavage of unspecified age (inclined, vertical, dip unknown) . . . .

Strain-slip cleavage (inclined, vertical, horizontal) . . . .

Bedding, tops known (inclined, vertical overturned). . . . .

Bedding, tops unknown (inclined, vertical). . . . .

Axes of minor F_1 folds (sense of vergence observed looking along arrow). . . . .

Axes of minor F_2 folds. . . . .

Fault (assumed) . . . .

Thrust fault (defined, assumed) . . . .

Fossil locality . . . . F

Rock outcrop, area of outcrop . . . .

MINERAL OCCURRENCES

Arsenopyrite . . . . .asp

Chalcopyrite . . . . .cp

Chromite . . . . .cr

Picrolite . . . . .pic

Pyrite . . . . .py

Gold . . . . .Au

Note: Units 2, 16, 18 and some symbols do not occur on this map.

Geology by R.F. Blackwood (1979); field assistance was provided by Morris J. West and Lewis Wheaton.

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

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 AIC 5T7.

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

Elevations in feet above mean sea level.

Approximate magnetic declination, 1969, for centre of map, 30°07′ west, decreasing 3.1′ annually

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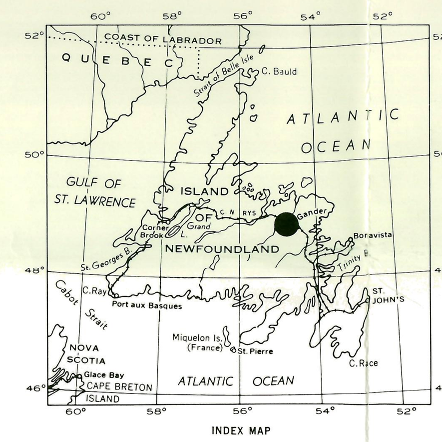

MAP 80198

GANDER (Mount Peyton E.)

NEWFOUNDLAND

Scale 1:50,000 Échelle