

NFLD 1905
map 89-133

LEGEND

DEVONIAN

CHETWYND GRANITE
 22 pink, fine- to medium-grained, equigranular biotite granite; minor porphyritic to subporphyritic granite; microspherulitic quartz-feldspar porphyry dykes; locally contains unseparated enclaves of Unit 14 near its margins.

SILURIAN

21 dark green to black (locally containing pink feldspars) medium- to coarse-grained gabbro
 LA POILE INTRUSIVE SUITE (Units 17 to 20; may be in part synchronous with Units 12 to 16)
 HAWKS NEST POND PORPHYRY
 20 pink to red, fine grained, biotite-bearing quartz-feldspar porphyry containing pale green, saussuritized plagioclase
 LA POILE GRANITE

19 pink, coarse grained, locally layered, K-feldspar porphyritic biotite granite; minor granite pegmatite

OTTER POINT GRANITE

18 pale pink to buff, coarse grained, K-feldspar porphyritic biotite granite; minor granite pegmatite

WESTERN HEAD GRANITE

17 buff to black and white, medium grained, equigranular, biotite hornblende granodiorite containing cognate xenoliths of diorite; unseparated septae of Units 1 and 3

BURGEO INTRUSIVE SUITE (Units 12 to 16)

16 pale pink to buff, fine- and medium-grained, equigranular biotite granite and rare muscovite-biotite granite; minor garnetiferous granite

15 grey buff and pale pink phenocryst-poor, K-feldspar porphyritic and subporphyritic granite; minor equigranular granite

14 buff, coarse grained, K-feldspar porphyritic biotite granite; 14a: pale pink, coarse grained, leucocratic, porphyritic granite; 14b: red and pink, porphyritic biotite granite

13 buff to black and white, coarse grained, K-feldspar porphyritic, biotite-rich, hornblende-bearing granite and granodiorite, containing cognate xenoliths of diorite and gabbro; minor pink apfite, granite pegmatite and gabbro

12 buff to black and white, locally pale pink, fine- to coarse-grained, K-feldspar porphyritic biotite granite containing septae of subunit 8a

LA POILE GROUP (Units 8 to 11 are lithodemic units; stratigraphic order is not necessarily implied)

11 pale pink, massive to stratified, medium- to coarse-grained, quartz-feldspar crystal tuff

10 bedded lithic tuffs and agglomerates; minor breccias

9 cream and pink, fine grained, massive to flow-banded rhyolite and welded tuff

8 grey, quartz-rich, crossbedded to planar-bedded-sandstone; quartz pebble and polymict conglomerate; light green to grey slate and argillite; quartz-feldspar grit and tuffaceous wacke; basal boulder conglomerate; 8a: schistose to hornfelsic equivalents of Unit 8 containing unseparated granite sheets

SILURIAN, ORDOVICIAN OR EARLIER

7 unseparated buff to pale pink, gneissic to mylonitic granite and platy biotite-hornblende schists; minor amphibolite and quartzofeldspathic migmatite

ORDOVICIAN OR EARLIER

6 grey, mainly fine grained, equigranular, nebulitic hornblende granite, containing ubiquitous xenoliths of Unit 1; minor unseparated subunit 1a

LATE CAMBRIAN - EARLY ORDOVICIAN

ERNIE POND GABBRO

5 medium grained hornblende gabbro and fine grained diorite; minor coarse grained pyroxenite

"YOUNG ROTI" GRANITE

4 medium- to fine-grained, equigranular, blue-quartz-bearing tonalite, and fine grained granite porphyry

LATE PRECAMBRIAN - EARLY CAMBRIAN

"OLD ROTI" GRANITE

3 coarse grained, equigranular, blue-quartz-bearing granodiorite

2 well-bedded, quartz-rich sandstone, argillite and conglomerate (Whittle Hill sandstone); mafic tuff and agglomerate (Third Pond tuff)

LATE PRECAMBRIAN OR EARLIER

CINQ CERF GNEISS

1 banded amphibolitic gneiss, lit-par-lit migmatite, and hornblende; subordinate hornblende porphyry, metagabbro, granite porphyry and fine-grained equigranular granitoid; 1a: banded amphibolitic gneiss, migmatite and hornblende screens and enclaves in nebulitic hornblende granite; agmatite

Only active mines and selected major prospects are shown on this map. For information on the location of other mineral occurrences in the map area the reader is referred to the following: NDME Mineral Occurrence Maps 84-61 (Anonymous, 1984) and 86-33 (K. Brewer, 1986); NDME Report 85-1 (B.H. O'Brien, 1988, pp. 109-125); NDME Open File Nfld 1510 (J. Tuach, 1987, 36 pages).

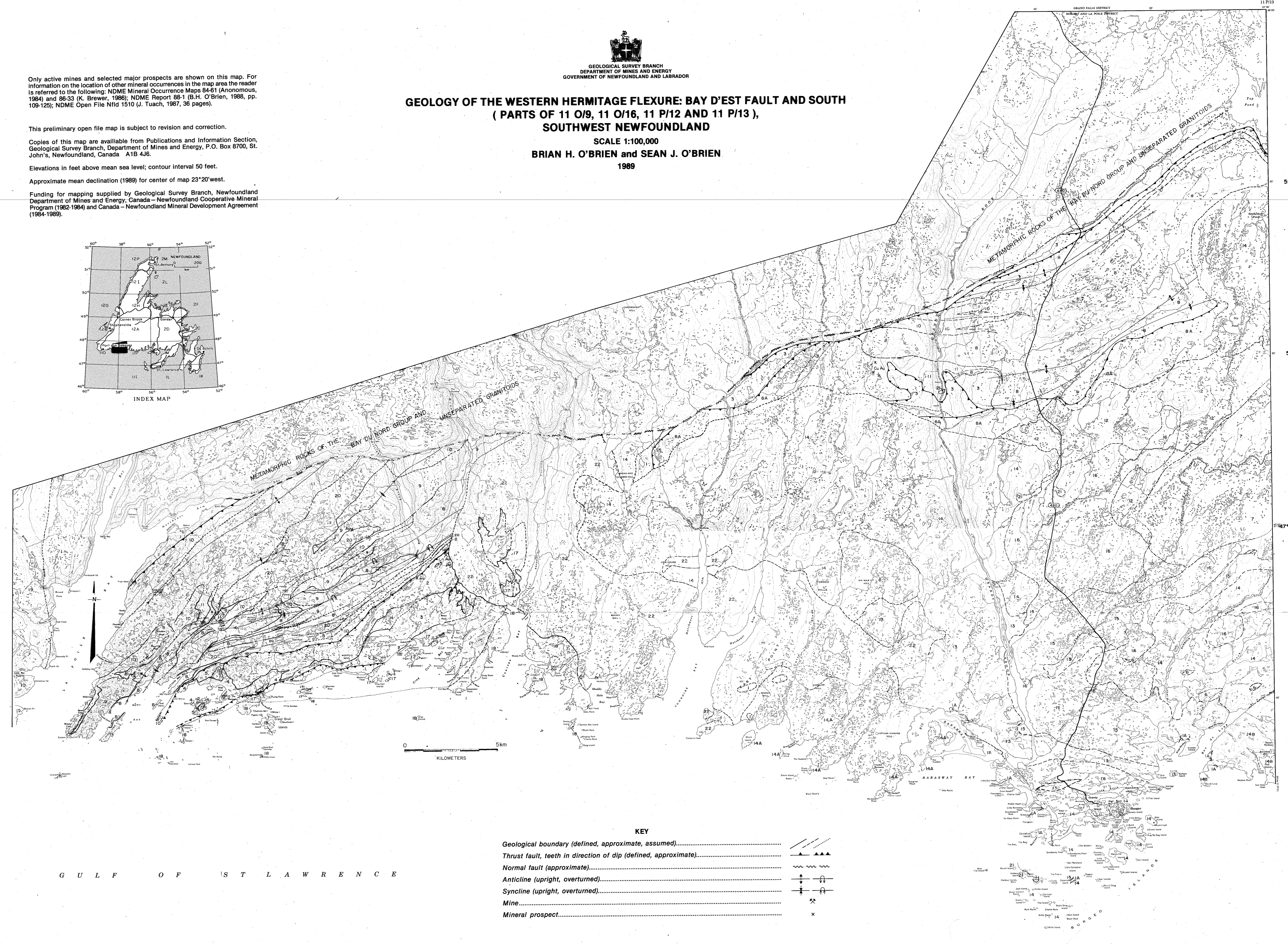
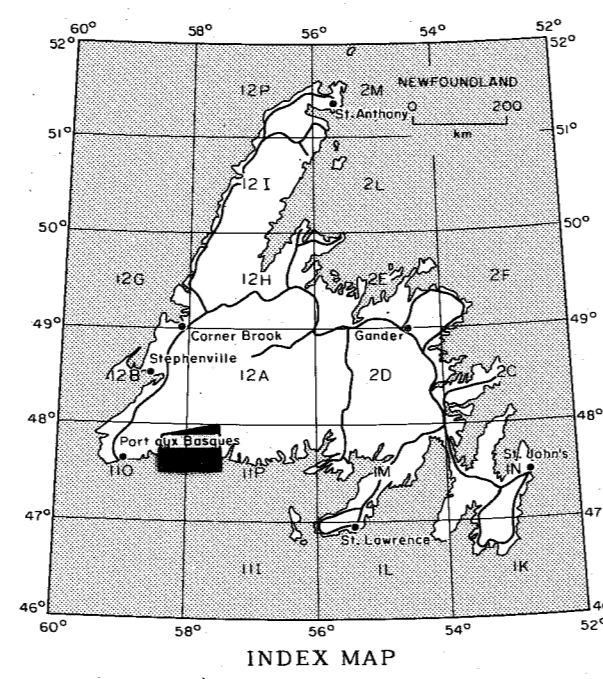
This preliminary open file map is subject to revision and correction.

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

Elevations in feet above mean sea level; contour interval 50 feet.

Approximate mean declination (1989) for center of map 23°20' west.

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GEOLOGY OF THE WESTERN HERITAGE FLEXURE: BAY D'EST FAULT AND SOUTH (PARTS OF 11 O/9, 11 O/16, 11 P/12 AND 11 P/13), SOUTHWEST NEWFOUNDLAND

SCALE 1:100,000
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 1989

KEY

Geological boundary (defined, approximate, assumed).....	—
Thrust fault, teeth in direction of dip (defined, approximate).....	▲▲▲
Normal fault (approximate).....	▼▼▼
Anticline (upright, overturned).....	⌒
Syncline (upright, overturned).....	⌒
Mine.....	⊗
Mineral prospect.....	x