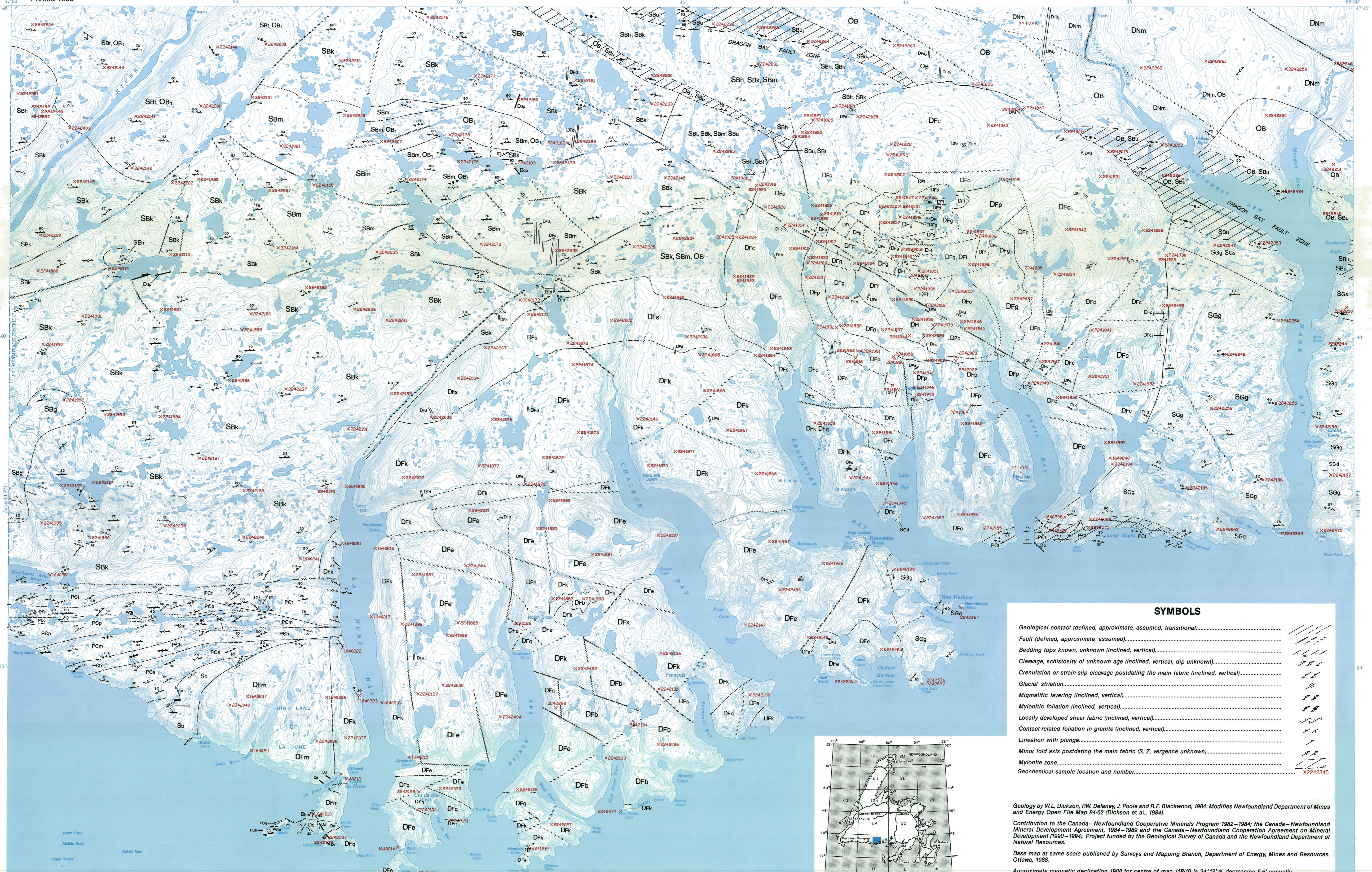


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Department of Natural Resources  
Geological Survey

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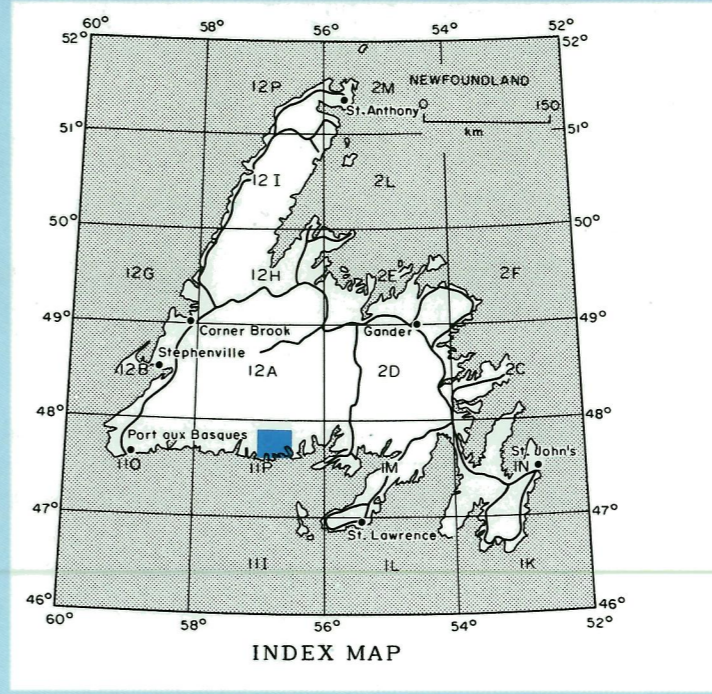
LEGEND

- DEVONIAN OR LATER**
- Dd Diabase dykes that out the François Granite
  - Dp Grey, fine-grained, plagioclase porphyritic, diabase dykes
  - Dq Postkinematic quartz veins; commonly contain tungsten and base-metal mineralization in the Grey River enclave
  - Dc Red and green conglomerate, sandstone and argillite locally containing limestone lenses
- DEVONIAN**
- Dg GREY RIVER POINT GRANITE: fine- to medium-grained, biotite ± hornblende granite
  - FRANÇOIS GRANITE - Df
    - Df1 Pink, fine-grained, granite dykes; Df1a, fine-grained, apilite; Df1b, very fine-grained quartz-K-feldspar (after sanidine)-albite porphyritic tholite dykes Northeast Lobe (Units Df1a, Df1b, Df1c, Df1d)
    - Df2 Pink, fine- to medium-grained, quartz-K-feldspar porphyritic, biotite granite
    - Df3 Buff to grey, medium-grained, quartz-plagioclase porphyritic, biotite granodiorite
    - Df4 Pink, fine, medium- and coarse-grained, quartz-K-feldspar porphyritic, biotite granite
    - Df5 Pink, coarse-grained, quartz-K-feldspar porphyritic, biotite granite; Df5a, fine- to medium-grained to pegmatitic, quartz-K-feldspar porphyritic, biotite granite
    - Df6 Buff to grey, medium-grained, quartz-plagioclase porphyritic, biotite granite and granodiorite
    - Df7 Pink, coarse-grained, quartz-K-feldspar porphyritic, biotite granite
    - Df8 Pink, coarse-grained, equigranular and locally K-feldspar porphyritic, biotite granite
    - Df9 Pink, coarse-grained, equigranular to slightly feldspar porphyritic, biotite granite
    - Df10 Buff to grey, fine- to medium-grained, feldspar porphyritic, granophyric, biotite granite
    - Df11 Df10 with muscovite
    - Df12 Buff to grey, fine- to medium-grained, feldspar porphyritic, granophyric, biotite granite
    - Df13 Buff to grey, fine- to medium-grained, feldspar porphyritic, granophyric, biotite granite
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    - Df99 Buff to grey, fine- to medium-grained, feldspar porphyritic, granophyric, biotite granite
    - Df100 Buff to grey, fine- to medium-grained, feldspar porphyritic, granophyric, biotite granite
  - Dm MORGAN BROOK GRANITE (part of the North Bay Granite Suite): buff, medium-grained, K-feldspar porphyritic, biotite ± muscovite granite
- SILURIAN OR EARLY DEVONIAN?**
- Sb BLACK COVE GABBRO: Massive to weakly foliated, fine- to coarse-grained, hornblende metagabbro and hornblende
- SILURIAN AND LATER**
- RAMEA COMPLEX - Sr**
- Sr1 Massive, medium-grained diabase plug and dykes
  - Sr2 Massive, medium-grained, biotite-hornblende gabbro and quartz diorite
  - Sr3 Felsic dykes of unknown affiliation; Sr3a, weakly cleaved, pink, fine-grained felsite dykes; Sr3b, massive, pink, fine-grained biotite granite dykes
  - Sr4 Massive to weakly cleaved, pink, equigranular, leucocratic, biotite granite; Sr4a, fine-grained granite dykes
  - Sr5 Grey, massive to sheared, medium-grained, equigranular biotite-hornblende granodiorite
  - Sr6 Massive, medium-coarse-grained, K-feldspar porphyritic, biotite granite; Sr6a, pink, fractured and sheared, medium- to medium-coarse-grained, equigranular to K-feldspar porphyritic, biotite granite
  - Sr7 Black and pink, medium- to coarse-grained, K-feldspar porphyroclastic, strongly foliated to mylonitic biotite granite; Sr7a, black, fine- to very fine-grained, feldspar porphyroclastic, mylonitic granite; Sr7b, black and pink, foliated, medium-grained, metamorphosed, K-feldspar porphyroclastic, biotite granite
  - Sr8 Medium- to coarse-grained, massive to foliated metagabbro and diabase
- SILURIAN**
- Sbu Undivided, mylonitic granitoids derived in part from the Burgeo Intrusive Suite, the Gaultois Granite and Bay du Nord Group; Sbu1, ultramylonite
- BURGOE INTRUSIVE SUITE - Sb**
- Sb1 Fine- to medium-grained, granite protomylonite, mylonite and ultramylonite
  - Sb2 Weakly foliated, pink, medium-grained, equigranular or locally feldspar porphyritic, biotite ± muscovite granite
  - Sb3 Weakly foliated, pink, coarse-grained, equigranular, biotite granite
  - Sb4 Massive to weakly foliated, pink, coarse-grained, K-feldspar porphyritic, biotite granite
  - Sb5 Weakly to strongly foliated, buff, coarse-grained, K-feldspar porphyritic, biotite ± hornblende granodiorite
  - Sb6 Massive to locally strongly foliated and sheared, pink, coarse-grained, K-feldspar porphyritic, biotite granite
  - Sb7 Foliated, grey, medium-grained, equigranular biotite tonalite and granodiorite
  - Sb8 Moderately to strongly foliated, buff to grey to black, coarsely K-feldspar and plagioclase porphyritic, biotite-rich ± hornblende granodiorite, tonalite and granite
- GAULTOIS GRANITE - Sg**
- Sg1 Strongly foliated to sheared, white and black, medium-grained, feldspar porphyritic, biotite granite
  - Sg2 Foliated, pink, coarse-grained, equigranular biotite granite dyke
  - Sg3 Strongly foliated to sheared, black and white to pink and buff, medium- to coarse-grained, coarsely feldspar porphyritic, biotite ± hornblende granodiorite and granite
- ORDOVICIAN**
- BAY DU NORD AND BAIE D'ESPOIR GROUPS - Ob**
- Ob Psammitic and semipelitic schist, and migmatized equivalents; strongly foliated metasedimentary rocks and undivided granite veins; Ob1, melanocratic, schistose metasedimentary and mafic xenoliths; Ob2, psammitic gneiss of uncertain affiliation
- LATE PROTEROZOIC TO CAMBRIAN**
- GREY RIVER ENCLAVE AND POSSIBLE EQUIVALENTS - PC**
- PCq Prekinematic quartz veins
  - PCa Fine- to coarse-grained amphibolite, including minor gabbro and hornblende; PCa1, hornblende and gabbro; PCa2, gneissite
  - PCt Fine-grained grey-white and pink-white felsic tuff, locally containing minor carbonate lenses; medium- to coarse-grained quartz and feldspar lapilli tuff; minor sandstone and phyllite. East of Devil Bay, strongly schistose to mylonitic, felsic volcanic rocks
  - PCp Pelitic to psammitic phyllite and schist, minor quartzite, banded amphibolite and migmatite
  - PCm Migmatized semipelitic, pelitic and psammitic schist, and minor hornblende ± biotite schist
  - PCs Agmatite. Hornblende ± biotite schist, migmatite and amphibolite intruded by foliated leucogranite
  - PCh Hornblende ± biotite schist and migmatite, and amphibolite
  - PCg Fine- to medium-grained granite and granodiorite gneiss containing profuse mafic xenoliths



SYMBOLS

- Geological contact (defined, approximate, assumed, transitional).....
- Fault (defined, approximate, assumed).....
- Bedding tops known, unknown (inclined, vertical).....
- Cleavage, schistosity of unknown age (inclined, vertical, dip unknown).....
- Crenulation or strain-slip cleavage postdating the main fabric (inclined, vertical).....
- Glacial striation.....
- Migmatitic layering (inclined, vertical).....
- Mylonitic foliation (inclined, vertical).....
- Locally developed shear fabric (inclined, vertical).....
- Contact-related foliation in granite (inclined, vertical).....
- Lamination with plunge.....
- Minor fold axis postdating the main fabric (S, Z, vergence unknown).....
- Mylonite zone.....
- Geochemical sample location and number..... X224234



Geology by W.L. Dickson, R.W. Delaney, J. Poole and R.F. Blackwood, 1984. Modifies Newfoundland Department of Mines and Energy Open File Map 64-62 (Dickson et al., 1984).

Contribution to the Canada-Newfoundland Cooperative Minerals Program 1985-1984; the Canada-Newfoundland Mineral Development Agreement, 1984-1989 and the Canada-Newfoundland Cooperation Agreement on Mineral Development (1990-1994). Project funded by the Geological Survey of Canada and the Newfoundland Department of Natural Resources.

Base map at same scale published by Surveys and Mapping Branch, Department of Energy, Mines and Resources, Ottawa, 1988.

Approximate magnetic declination 1988 for centre of map 11P10 is 24°13'W, decreasing 5.6" annually.

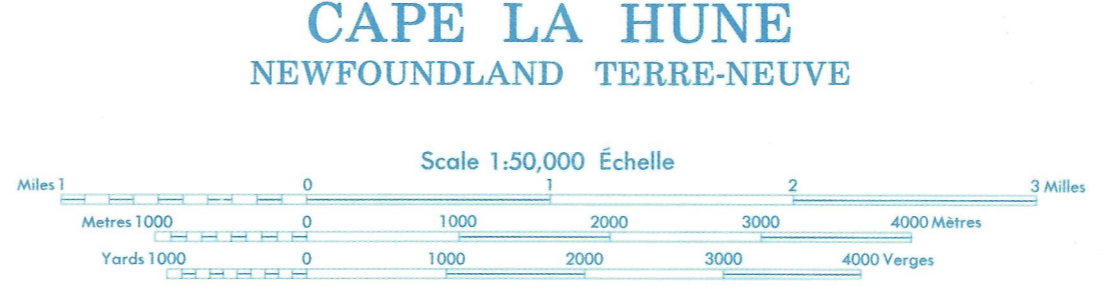
Copies of this map may be obtained from the Publications and Information Section, Geological Survey, Department of Natural Resources, P.O. Box 8700, St. John's, Newfoundland, Canada, A1B 4J6.

This map accompanies Geological Survey report by W.L. Dickson, J.C. Poole and R.W. Delaney, entitled Geology of the Silurian and Devonian granites and associated rocks in the Cape La Hune (NTS 11P10) and Ramea (NTS 11P11) map areas, south coast of Newfoundland.

Geological cartography by T. Peltanavage and T. Sears; geological cartography and photomechanical artwork by D. Leonard; cartographic supervisor K. Byrne, Cartographic Section, Geological Survey, Department of Natural Resources.

MAP 94-220

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This Proposed Map is equivalent to a standard map in accordance with the  
Some names on this map are not yet official.  
Corrections or additions are noted by the  
Survey and Mapping Branch.

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