

HUGHES-OWENS
313 1102
DETAILS FLEUR DE LYS
BY JOHN BURNALL
F. of Drawing No. 8030
HUGHES-OWENS

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

12-1/1 1:50,000 12-1/1
56°10' 50° 45' 55°45'

SILURIAN-DEVONIAN
12 PARTRIDGE POINT GRANITE: Medium grained, leucocratic muscovite granite; locally garnetiferous.

11 Buff to maroon weathering fine grained dike-base dikes; locally feldspar porphyritic.

EOCAMBRIAN TO MIDDLE ORDOVICIAN
FLEUR DE LYS SUPERGROUP (1-6)

RATTLING BROOK GROUP
2 Unspattered psammite, semipelite, and pelitic schist; minor greenschist, marble and graphitic schist; 2a, marble and calcareous pelite; 2b, amphibolite and greenschist; 2c, graphitic schist; 2d, porphyroblastic garnet-rich schist.

BIRCHY COMPLEX
3 Greenschist and amphibolite; minor psammite and semipelite schist, calcareous pelite, graphitic schist (including melange), calcic and metabasite; 3a, calcareous pelite; 3b, metabasite and calc-silicate schist; 3c, graphitic schist; locally as matrix to melange containing blocks of serpentized ultramafic rock, actinolite fuchsite schist, metabasite, marble, calcic and psammite and pelitic schist.

OLD HOUSE COVE GROUP
1 Interlayered psammite and semipelite schist; minor graphitic schist; 1a, amphibolite dikes, silt, and rock.

LEGEND

4 Serpentinized ultramafic rock tectonically included in units 2 and 3; in part, may be equivalent to unit 7a.

HORSE ISLANDS GROUP (5, 6)
5 EASTERN ISLAND FORMATION: dominantly gray to buff quartz-rich semipelite schist; minor psammite, pelitic, and mafic schist; meta-feralite; 5a, dominantly greenschist; minor semipelite schist and marble.
6 HIT OR MISS POINT FORMATION: Buff to gray weathering interlayered psammite, semipelite and pelitic schist; minor pebbly psammite schist.

ADVOCATE COMPLEX
8 Unspattered schistose mafic rocks; minor metabasite.

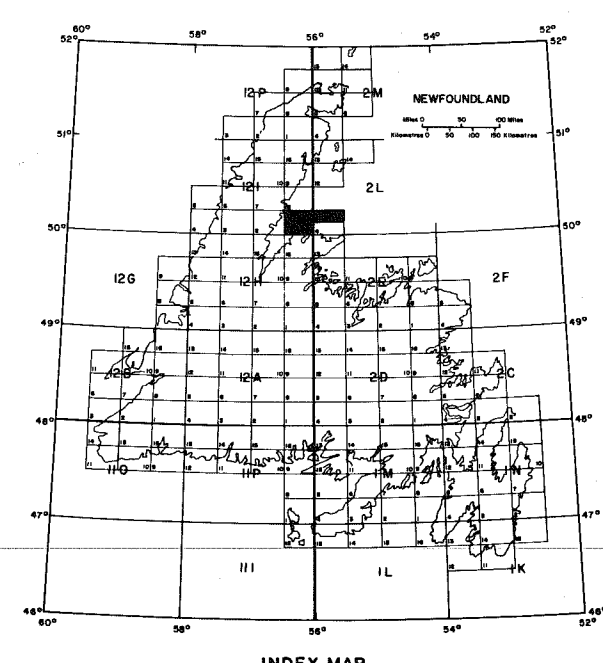
POINT ROUSSE COMPLEX
10 Unspattered pillow lava, mafic pyroclastic and volcanoclastic rocks, diabase dikes; minor chert and marble. Includes volcanic rocks genetically related to unit 9.

7 Zoisite-fuchsite schist, in part mylonitic; (represents altered gabbro and ultramafic rock; 7a, serpentized ultramafic rock.

9 Ophiolite: 9a, serpentized ultramafic rock; 9b, talc-carbonate and quartz-carbonate alterations of 9a; 9c, mixed gabbro, metabasite and serpentized ultramafic, rock; 9d, gabbro and diorite; 9e, sheeted diabase dikes.

SYMBOLS table with geological boundary, bedding, igneous layering, schistosity, lineation, fold axes, axial traces, thrust faults, shear zones, and dike orientations.

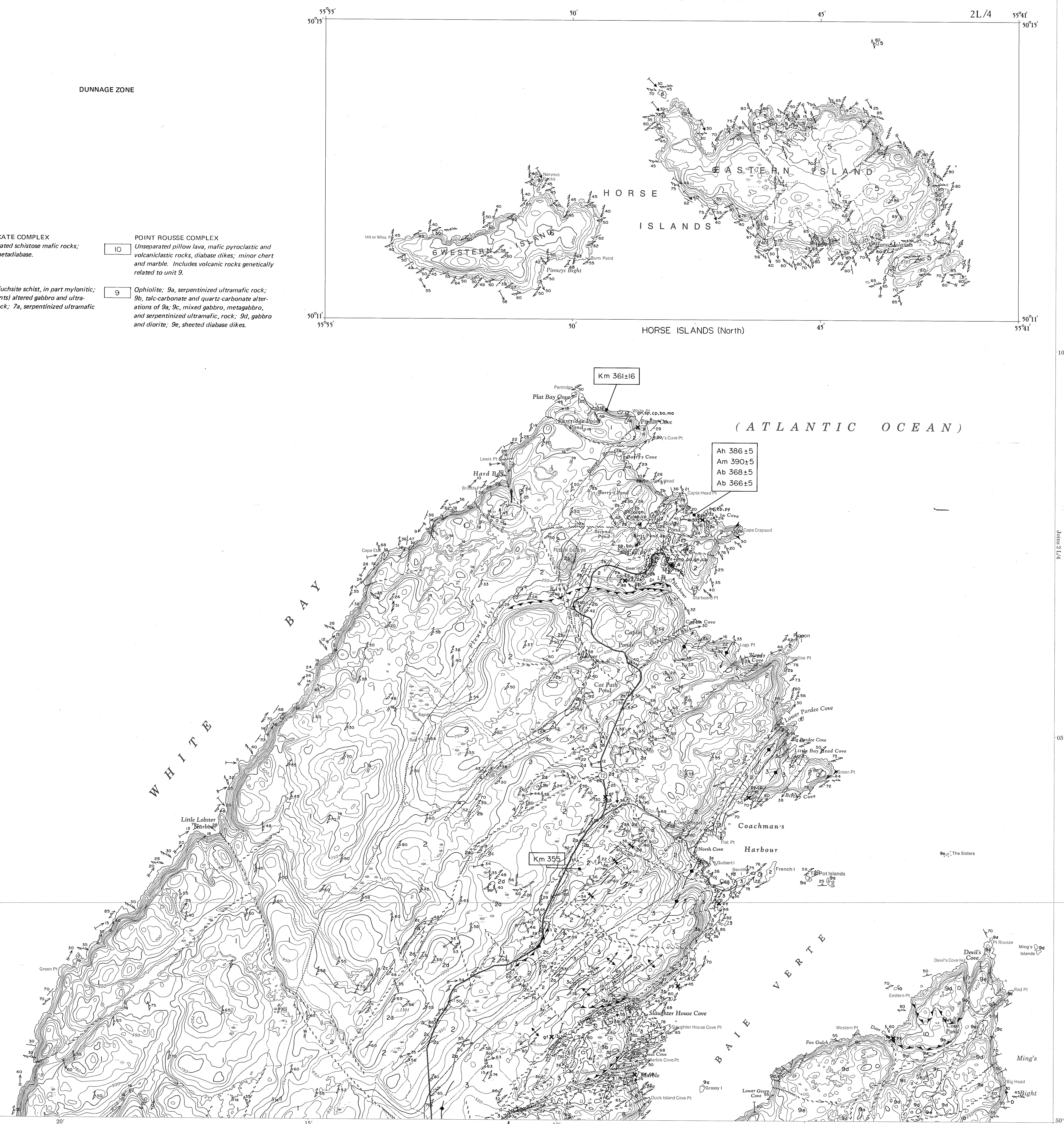
Geology of the Fleur de Lys Peninsula by John Burnall, 1978; of the Point Rouse Peninsula by James Hibbard, 1977; of the Horse Islands by James Hibbard and John Burnall, 1978. Portions of the Fleur de Lys Peninsula compiled, in part, from Neale (1959), Kennedy (1971), and Burnall (1975).
Stratigraphic units used on this map will be formalized and described in a forthcoming memoir on the geology of the Bale Verte Peninsula (Hibbard, in prep.)
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 A1C 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 center of map, 29° 47' west, decreasing 3.3" annually.
This project was financed under the Canada/Newfoundland Mineral Development Subsidiary Agreement (1977-81) by contributions from the Government of Newfoundland and Labrador (10 percent) and from the Departments of Regional Economic Expansion (45 percent) and Energy, Mines and Resources (45 percent) of the Government of Canada.



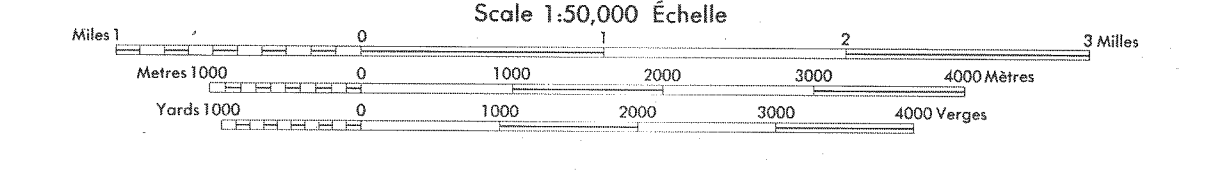
Method table with K/Ar, Ar/Ar, biotite, muscovite, hornblende.
Mineral occurrence and Abandoned shaft symbols.

ABBREVIATIONS table with bo, cb, gt, mag, ma, po, py, sp, magnetite, malaya, pyrrhotite, pyrite, sphalerite.

NOTE: No fabric correlation implied across tectonostratigraphic zones.



MAP B030
FLEUR DE LYS
WHITE BAY SOUTH DISTRICT
NEWFOUNDLAND



This Regional Map is equivalent to a standard map in accuracy of content.
Some names on this map are not official. Corrections or additions are invited by the Surveys and Mapping Branch.
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