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GEOLOGICAL SURVEY BRANCH
DEPARTMENT OF MINES AND ENERGY
GOVERNMENT OF NEWFOUNDLAND AND LABRADOR

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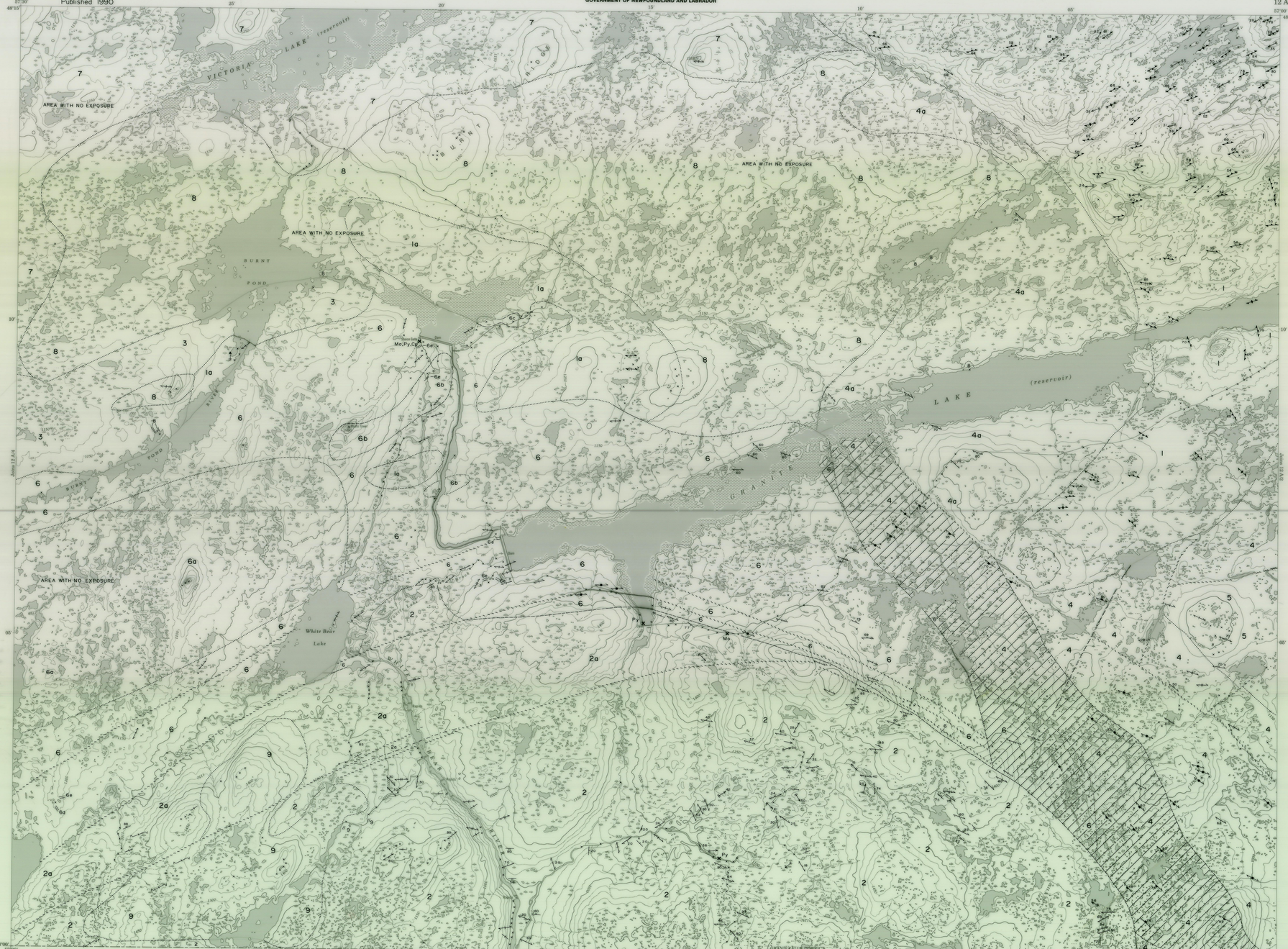


BURNT POND

LEGEND

DEVONIAN OR EARLIER

9 *Massive to strongly foliated, buff to pink, medium grained, equigranular to quartz-porphyritic, biotite granite*

NORTH BAY GRANITE SUITE (Units 3 to 8)

8 *Massive to weakly foliated, buff and pale pink, fine- to medium-grained, equigranular to subporphyritic, biotite – muscovite granite; includes minor, unseparated tourmaline – muscovite – garnet granite pegmatite*

7 *Weakly foliated, buff to light grey, medium- to coarse-grained, subporphyritic, variably porphyritic and rarely equigranular, biotite – muscovite granite*

6 *Variably foliated to mylonitic, grey and very pale pink, medium- to coarse-grained, K-feldspar-porphyritic, biotite ± titanite granodiorite and subordinate granite;* **6a,** *unseparated coarse grained, porphyritic and equigranular, biotite granodiorite;* **6b,** *coarse grained, K-feldspar-porphyritic, biotite granodiorite together with cognate xenoliths of diorite;* **6c,** *coarse grained, K-feldspar-porphyritic, biotite granite together with screens of paragneiss and metasedimentary rocks;* **6d,** *dark green, fine- to medium-grained diabase;* **6e,** *pink and grey aplite*

5 *Variably deformed, buff to pink, fine grained, equigranular to locally porphyritic, biotite – muscovite granodiorite and granite*

4 *Variably deformed and mylonitic, pink and grey, medium grained, equigranular, biotite granodiorite; contains minor unseparated tonalite;* **4a,** *same as* **4,** *but with an unseparated subphase of muscovite-bearing granodiorite*

3 *Variably deformed, dark grey, medium- to coarse-grained, equigranular, hornblende – biotite tonalite; contains minor unseparated, K-feldspar-porphyritic biotite-rich grandiorite*

MIDDLE ORDOVICIAN

BAY DU NORD GROUP (Unit 2)

2 *Light grey to black phyllite, slate, psammite and semipelite; minor sandstone, tuff, and conglomerate interbeds; minor siltstone and shale;* **2a,** *biotite schist, semipelite and psammite together with granitoid and quartz segregations; siltstone and shale*

ORDOVICIAN OR EARLIER

1 *Grey foliated migmatite, sillimanite schist, granodiorite dykes, pegmatite containing rare inclusions of orthoquartzite and amphibolite;* **1a,** *unseparated migmatite, paragneiss, nebulitic granitoid and psammite*

SYMBOLS

Geological boundary (defined, approximate, assumed)
Fault (assumed)
Bedding, tops known (inclined, vertical, overturned)
Bedding, tops unknown (inclined, vertical)
Cleavage or schistosity, first generation (inclined, vertical, dip unknown)
Cleavage or schistosity, second generation (inclined, vertical)
Gneissic or migmatitic foliation (inclined, vertical, dip unknown)
Minor fold axes, first generation, second generation (plunge indicated)
Mylonitic foliation (inclined, vertical)
Mylonite zone (boundary approximate, assumed)
Shearing and dip (vertical)
Mineral occurrence (molybdenite, pyrite, chalcopyrite) × Mo, Py, Cp
Outcrop, where not otherwise indicated by geological symbol

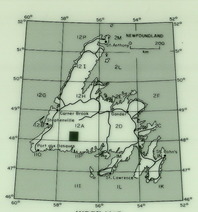
Geology by W. L. Dickson, 1980 (12A/3 east half), see Dickson (1982), and by S.J. O'Brien and S.L. Tomlin (12A/3 west half), see O'Brien and Tomlin (1984, 1985).

This map replaces all previous maps of these areas published by the authors.

Geological cartography by Drafting Section, Geological Survey Branch, Department of Mines and Energy.

*Approximate magnetic declineation, 1987, for centre of map, 25°*45' W, decreasing 3.3' annually.*

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



MAP 90 - 42

BURNT POND

GRAND FALLS DISTRICT

NEWFOUNDLAND

Scale 1:50,000 Échelle

Miles 1 0 1 2 3 Miles
Metres 1000 0 1000 2000 3000 4000 Mètres
Yards 1000 0 1000 2000 3000 4000 Verges

Roads:	Routes:	
loose or stabilized surface, all weather	gravier aggloméré, toute saison	Motor roads, all weather / Routes carrossables, toutes saisons
loose surface, dry weather and unclassified streets	de gravier, temps sec et rues non classées	Other roads / Autres routes
cart track	de terre	
trail or portage	sentier ou portage	

This Provisional Map is equivalent to a standard map in accuracy of content.

Some names on this map are not yet official. Corrections or additions are invited by the Surveys and Mapping Branch.

CONTOUR INTERVAL 50 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

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