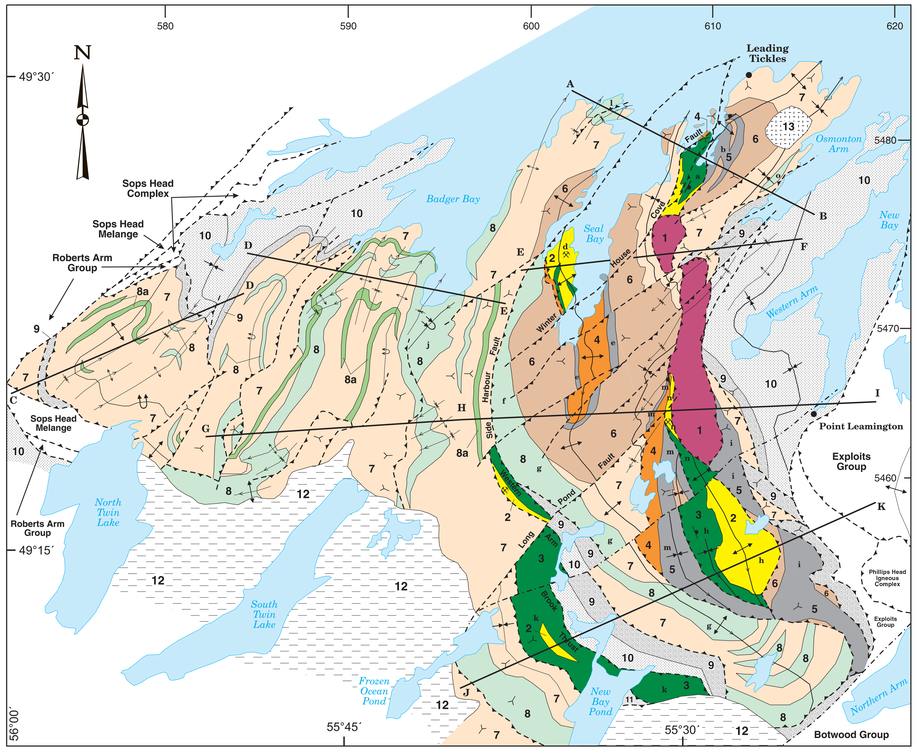

LEGEND

Jurassic

13 Budgell Harbour gabbro

Siluro -Devonian

12 Diorite and granite plutons

Silurian

11 Botwood Group (terrestrial felsic volcanic rocks)

Ordovician

Caradocian and younger

10 Badger Group (marine greywacke, conglomerate and minor argillite (Williams 1993))

9 Shoal Arm Formation (and biostratigraphic/lithostratigraphic equivalents: red to green and black shale and chert, carbonaceous black shale and minor siltstone (Dean, 1977))

Late Arenig- Early Llanvirn

(Units 7, 8, 8a may include Llandeilo rocks)

Wild Bight Group

8 - pillowed mafic volcanic and coarse-grained volcaniclastic rocks; **8a** - gabbro and diabase sills and dykes

7 Thin bedded/laminated red, green, and grey chert/argillite and minor fine to medium-grained volcaniclastic rocks

6 Thick bedded massive coarse-grained volcaniclastic rocks and minor argillite

5 Light green, plagioclase-phyric, pillowed mafic volcanic rocks and mafic to intermediate subvolcanic intrusions

4 Thin bedded to laminated red/green argillite/tuffaceous sandstone, minor massive green greywacke and black shale

Tremadoc - Early Arenig

Wild Bight Group

3 - dark green to red pillowed mafic volcanic rocks interbedded with; **2** - thick bedded intermediate to felsic lapilli tuffs/volcaniclastic rocks and quartz and plagioclase-phyric rhyolite flows and domes

South Lake Igneous Complex

1 Layered gabbro/sheeted dykes intruded by diorite and tonalite plutons

SYMBOLS

- Geological contact
- Late brittle transcurrent faults
- D_1 thrust faults (barbs on hangingwall side)
- D_2 thrust faults (barbs on hangingwall side)
- F_1 antiform and synform (plunging, upright and overturned)
- F_2 anticline and syncline (plunging, upright and overturned)
- Sedimentary facing direction
- Pillow facing direction
- Volcanogenic massive sulphide showing/deposit

GEOGRAPHIC VOLCANIC UNITS

a	Glovers Harbour West	i	Northern Arm
b	Glovers Harbour East	j	Badger Bay
c	New Bay	k	New Bay Pond
d	Indian Cove	l	Seal Bay Head
e	Seal Bay Bottom	m	Kerry Lake
f	Side Harbour	n	Long Pond
g	Big Lewis Lake	o	Osmonton Arm
h	Nancy Bag Lake		

NOTES: Adjacent Ordovician rock groups that are not part of the Wild Bight Group (WBG) or that do not conformably overlie it are undivided and are indicated only by the group name. Geology in the western WBG is from O'Brien and MacDonald (1996,1997) and O'Brien (1997,1998). Geology for the eastern WBG is from MacLachlan (1998). Geology of the Caradocian units on the southeast side of the WBG is from O'Brien (1993) and Williams and O'Brien (1994). Other sources used in producing this map include Dean (1977), Kusky (1985), Swinden (1988) and Swinden and Jenner (1995). The coordinate system used on the north and east borders is the UTM grid from 1:50000 NTS maps. This map is intended for graphic representation only, and may not be accurate to scale or projection.

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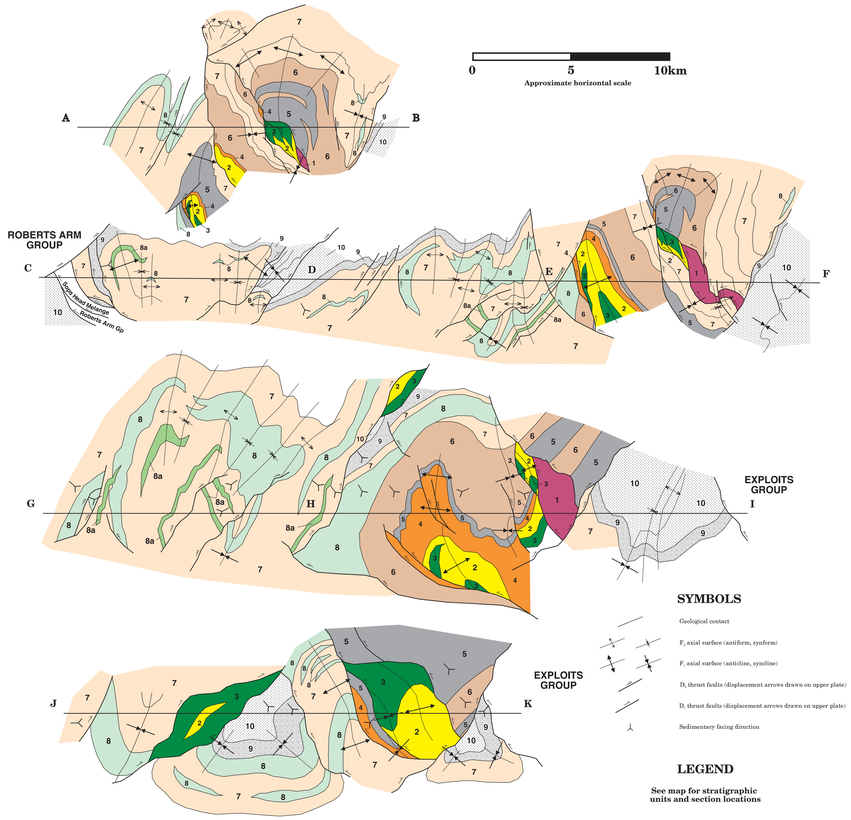
Digital cartography by T. Sears, Geological Survey, Department of Mines and Energy

Map 98-03
Regional Geological Compilation Map and Regional Cross-Sections of the Wild Bight Group and Adjacent Rocks

0 5 10km
(Approximate horizontal scale)

GOVERNMENT OF NEWFOUNDLAND AND LABRADOR
Department of Mines and Energy
Geological Survey



SYMBOLS

- Geological contact
- F_1 axial surface (antiform, synform)
- F_2 axial surface (anticline, syncline)
- D_1 thrust faults (displacement arrows drawn on upper plate)
- D_2 thrust faults (displacement arrows drawn on upper plate)
- Sedimentary facing direction

LEGEND

See map for stratigraphic units and section locations