

Geology of the Western Burlington Peninsula and the Baie Verte Lineament

1: 63,360 (1 inch = 1 mile)

Legend

Fleur de Lys Supergroup

(a) Western Division

- pre Fleur de Lys basement (? Grenville)
- Middle Arm Pond Metaconglomerate Formation
- Seal Cove Group
- Rattling Brook and White Bay Groups
- Birchy Schist and Garden Cove Formations
- Flat Point Formation
- ophiolitic ultramafic rock and derivatives
- ophiolitic gabbro and derivatives

(b) Eastern Division

- Mings Bight Group
- Paquet Harbour Group

(c) syn or pre-kinematic intrusive rocks

- Burlington Granodiorite
- Dunamagon Granite

(d) post-kinematic intrusive rocks

- Celebes Pond, Wild Cove Pond, Partridge Point and other mainly granitic bodies
- diorite and tonalite

Baie Verte Group

(a) ophiolite complex

- harzburgite, minor dunite; serpentinite derivatives
- transition zone; cumulate ultramafic rocks
- cumulate and other gabbro
- 100% sheeted diabase dyke complex
- pillow lava

(b) mafic volcanics and volcanoclastics

- unseparated
- mainly pillow lava
- mafic volcanoclastics
- Flatwater Pond, Mic Mac Lake area
- Teardrop Pond Formation
- Boudin Pond Fm.
- Kidney Pond Conglomerate Formation
- Jukes Point Formation
- Slink Pond Pillow Lava Formation
- Neales Bay Formation
- White Bay Waters Pillow Lava Formation

Mings Bight area

- mafic volcanoclastics
- pillow lava
- porphyritic dolerite

Mic Mac Lake Group

- lower unit-eutaxitic ignimbrites, conglomerates, mafic lava minor rhyolite
- upper unit-rhyolite, rheoignimbrite, minor ignimbrite
- mafic lava, conglomerate
- quartz perthite porphyry eutaxitic ignimbrite
- sandstone
- porphyry, rhyolite, syenite — ring complex

- lithologic contact
- fault
- tectonic slide of Fleur de Lys D₁ or D₂ age
- " " " " " " D₃ age
- " " " " " " Baie Verte D_{1B} age
- thrust fault " " " " " "
- road
- track
- power transmission line

Sources

Neale, 1958, 1959 a,b
 Neale, Nash and Innes, 1960
 Neale and Nash, 1963
 Watson, 1947
 Kennedy, 1971
 mapping by W.S.F. Kidd J.T. Bursnall M.J. de Wit J.F. Dewey and J.M. Bird
 compilation by W.S.F. Kidd

