

Plate 1  
**Geology of the Baie Verte Lineament**  
 Mic Mac Lake - Flatwater Pond area

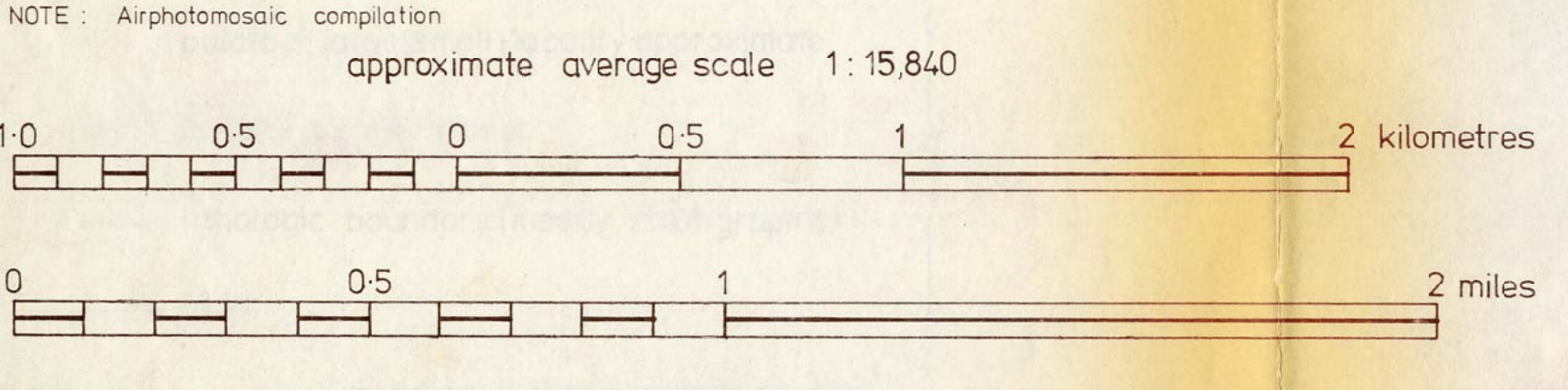
- General symbols**
- lake/pond; stream, brook
  - waterholes in bogs
  - main road, subsidiary road or track
  - power transmission line
  - x outcrop: large, small; locality approximate
  - (a) locality number in text
  - lithologic boundary (mostly stratigraphic)
  - fault
  - bedding: inclined, vertical, upright, overturned, facing both ways
  - linear structure: plunging, horizontal, variable plunge

**Rock groups bordering the Baie Verte Lineament**  
**Fleur de Lys Supergroup (Western Division)**

- Psammite-amphibolite unit
- Leucocratic gneiss
- Noseum boundary slide (D<sub>1</sub>?)
- Semi-pelitic schist unit
- graphitic
- Birchy Schist Formation
- psammite member
- interbanded semipelitic and mafic schists
- metagranodiorite and apfite
- Roadside Slide (D<sub>1</sub>) A-tremolite-fuchsite pods
- S<sub>1</sub>
- S<sub>2</sub> or composite S<sub>1</sub>S<sub>2</sub> → F<sub>2</sub> → L<sub>2</sub>
- S<sub>3</sub> → F<sub>3</sub> or L<sub>3</sub>
- S<sub>4</sub> → F<sub>4</sub>/L<sub>4</sub> local near old camp 32 road
- S<sub>4b</sub> → F<sub>4b</sub>/L<sub>4b</sub> local near W.L.B. Slide; = S<sub>2B</sub>/F<sub>2B</sub>
- major F<sub>2</sub> antiform, synform axial trace, with plunge
- F<sub>3</sub> " " " " " "
- garnet isograd; garnets on side with semicircles
- staurolite
- garnet amphibolite

- post-D<sub>3</sub> intrusive rocks (Celebes Pond, Wild Cove Pond)
- porphyritic biotite granite
  - diorite, quartz-diorite
  - outer limit of granite apophyses
  - andalusite isograd, andalusite on side with triangles
  - dent du cheval rock

- Burlington Granodiorite**
- hornblende-biotite granodiorite
  - affected by D<sub>1B</sub>
  - local cleaved regolith under Mic Mac Lake Group unconformity



Geology by W.S.F. Kidd

**Rocks of the Baie Verte Lineament**

- Western Lineament Boundary Slide (D<sub>1B</sub>)
- virginite on W.L.B. Slide
- other D<sub>1B</sub> tectonic slides
- foliation in virginite = S<sub>1B</sub>
- S<sub>1B</sub> → F<sub>1B</sub> → L<sub>1Ba</sub>
- S<sub>2B</sub> → F<sub>2B</sub> L<sub>2B</sub> = S<sub>4b</sub> F<sub>4b</sub> in Fleur-de-Lys
- L<sub>1Ba</sub> colinear with F<sub>2B</sub>
- S<sub>2m</sub> → F<sub>2m</sub>
- F<sub>1B</sub> axial trace, anticline, syncline
- post D<sub>1B</sub> thrust fault

**Baie Verte Group**

- (a) ophiolite complex
- harzburgite, minor dunite, minor sheared serpentinite derivatives
  - pyroxene-rich partly cumulate ultramafic transition zone
  - gabbro partly cumulate common parallel diabase dykes
  - sheeted diabase dyke complex
  - lithologic banding
  - high temperature gneissic foliation
  - lineation
  - lithologic banding coplanar with gneissic foliation
  - diabase dyke orientation
  - boundary between white-weathering and orange-weathering serpentinitized harzburgite
  - foliation in sheared serpentinite
- (b) sediments and volcanics
- tectonic contact of ultramafic and other rock, D<sub>1B</sub> age
  - ultramafic tuffite

**Mic Mac Lake Group**

- pink porphyritic eutaxitic ignimbrite
- non- " " " "
- flow-banded rhyolite
- rhyolite (mainly intrusive)
- red porphyritic eutaxitic ignimbrite
- mafic lava
- trachyte lava
- pebble to boulder conglomerate with granodiorite clasts
- " " " " without "
- sandstone
- lahar
- highly-deformed rock in or proximal to E.L.B. Slide
- a) derived from silicic volcanics
- b) conglomerate
- post-kinematic dolerite on Park Pond Fault

- Boudin Pond Formation
- Teardrop Pond Formation (m-marble R-maroon argillite)
- Kidney Pond Conglomerate Formation
- quartz-rich boulder conglomerate
- Jukes Point Formation
- Slink Pond Pillow Lava Formation (also pillow lava in other formations)
- Little Moose Cove Member
- Neales Bay Formation
- Prairie Hat Members I and II
- pink silicic tuff
- rhyolite
- White Bay Waters Pillow Lava Formation
- dolerite sills

