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
- outcrop: large; small; locality approximate
- [21] 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
  } Western sequence

- Noseeum boundary slide (D₁?)

- Semi-pelitic schist unit
- graphitic
- Birchy Schist Formation
- " " " psammite member
- interbanded semipelitic and mafic schists
  } Rattling Brook Group

- metagranodiorite and aplite, syn/pre S_1; g - small apophyses
- or ——— Roadside Slide (D_1) A - tremolite-fuchsite pods

- S_1
- S_2 or composite S_1/S_2 → F_2 → L_2
- S_3 → F_3 or L_3
- S_4 → F_4/L_4 local near old camp 32 road
- S_{4b} → F_{4b}/L_{4b} local near W.L.B. Slide; ≡ S_{2B}/F_{2B}
- major F_2 antiform, synform axial trace, with plunge
- " F_3 " " " " " "
- garnet isograd; garnets on side with semicircles
- staurolite
- garnet amphibolite

post-D_3 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_{1B}
- local cleaved regolith under Mic Mac Lake Group unconformity

NOTE: Airphotomosaic compilation

approximate average scale 1:15,840

1:0 0.5 0 0.5 1 2 kilometres

0 0.5 1 2 miles

Geology by W.S.F. Kidd

Rocks of the Baie Verte Lineament

- Western Lineament Boundary Slide (D_{1B})
- virginite on W.L.B. Slide
- other D_{1B} tectonic slides
- foliation in virginite ≡ S_{1B}
- S_{1B} → F_{1B} → L_{1Ba}
- S_{2B} → F_{2B} L_{2B} ≡ S_{4b} F_{4b} in Fleur-de-Lys
- L_{1Ba} colinear with F_{2B}
- S_{2m} → F_{2m}
- F_{1B} axial trace, anticline, syncline
- post D_{1B} thrust fault

Baie Verte Group

(a) ophiolite complex

- harzburgite, minor dunite; minor sheared serpentinite derivatives
- pyroxene-rich partly cumulate ultramatic transition zone
- gabbro partly cumulate common parallel diabase dykes
  } also used for clastic blocks in sediments
- 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 serpentinized harzburgite
- foliation in sheared serpentinite
- tectonic contact of ultramafic and other rock, D_{1B} age
- ultramatic tuffisite

(b) sediments and volcanics

- 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

Mic Mac Lake Group

Armageddon Formation:

- pink porphyritic eutaxitic ignimbrite
- non- " " " "
- " " flow-banded rhyolite
- " " rhyolite (mainly intrusive)
- red porphyritic eutaxitic ignimbrite
- mafic lava
- trachyte lava

Snoopy Pond Formation:

- 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

Gull Pond
Flatwater Pond
Flatwater Pond Provincial Park
Old Camp 32 Road
Camp 32
Camp 153 Road
Old Baie Verte Road
Fleur de Lys Road
Jacks Pond
Camp 32 Road
Tom's Pond
Kidney Pond
Camp 150 Road
Celebes Pond
Park Pond
White Bay Waters
Slink Pond
Wild Cove Pond
Camp 154 Road
Marty's Pond
Mic Mac Lake
Jacobs Lake
Baie Verte Road