

Preliminary Geologic Map  
of the  
PATU LAKE AREA, NEW QUEBEC TERRITORY  
by  
Burkhard Dressler  
1971

LEGEND

- PLEISTOCENE AND RECENT**
- 12 Morsine deposits, gravel, sand
- FREDANESIEN**
- POST-KANTAPISKAU**  
(possibly post-Proterozoic)
- 11 Volcanics: (a) carbonatite; (b) carbonatite breccia; (c) olivine-melilitite tuff; (d) melitechite
- MONTANAIS GROUP**
- 10 (a) Fine- to coarse-grained metagabbro; (b) metabasalt
- KROB LAKE GROUP**
- 9 **Mepik Formation**  
(a) Gray shale; (b) gray, somewhat silty, marly shale; (c) gray, in places dolomitic, siltstone; (d) chocolate-brown, fine-grained sandstone
- 8 **FERRINAR SUBGROUP**
- Sokom Formation**  
(a) Lower hematite iron-formation; (b) lower silicate-carbonate iron-formation; (c) upper hematite iron-formation; (d) upper silicate-carbonate iron-formation
- 7 **Ruh Formation**  
(a) black, green or red chert (always existing, but often not separated on map); (b) black argillite and dark red-black, layered siltstone and "iron-argillite"
- 6 **Nighar Formation**  
Gray, medium-grained, arkosic, in places dolomitic, sandstone; fine-grained, greenish gray sandstone; subordinate gray siltstone or argillite
- 5 **SWAMPY BAY SUBGROUP**
- Savigny Formation**  
Gray slates and argillites
- 4 **LIGOLET SUBGROUP**
- Non-subdivided Fictiois Subgroup**  
(f) Gray argillite, slate, subordinate siltstone, rare dolomite beds; (g) gray slate, siltstone, subordinate green and purple siltstone, sandstone and dolomite
- (4e) **IVé Formation**  
Gray dolomite
- (4b-d) **Alder Formation**  
(b) White quartzitic sandstone; (c) red and green beds; (c<sub>1</sub>) arkose, sandstone, conglomerate; (d) gray argillite with interbeds of white quartzite
- (4a) **Lake Lake Formation**  
Gray siltstone and argillite, with interbeds of gray, brown-weathering, in places sandy, dolomite
- 3 **SEABAY SUBGROUP**
- Du Portage and Dunphy Formations**  
(a) Pink dolomite of Dunphy Formation; (b) pink arkosic sandstone, some pink dolomite and calcopentite of Du Portage Formation
- 2 **Shawangou Formation**  
White or pink, medium-grained, arkosic sandstone
- 1 **ARMANETI COMPLEX (Superior Province)**  
(Archean)  
(a) Mainly coarse-grained, pink granite; (b) sheared and brecciated (in places parautochthonous), pink granite

SYMBOLS

- (a) Outerop area, (b) outcrop, (c) local blocks
- (a) Geological contact (approximate), (b) contact of Pleistocene
- (a) Fault (approximate or assumed), (b) thrust fault
- Bedding: (a) horizontal, (b) inclined, (c) vertical
- Cleavage: (a) inclined, (b) vertical
- (a) Synclinal axis (approximate or assumed), (b) anticlinal axis (approximate or assumed)
- (a) Overturned syncline, (b) overturned anticline

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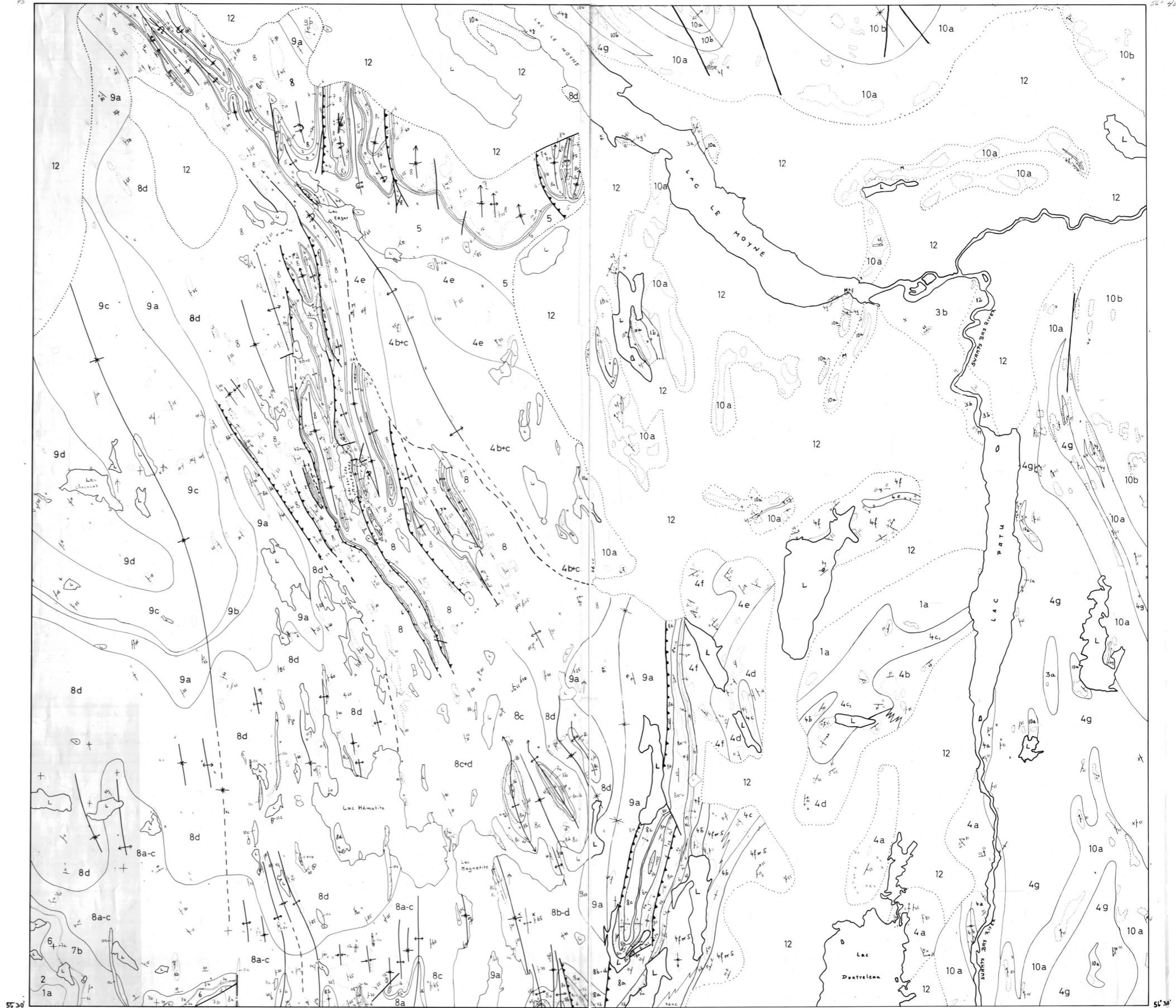
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Date: 28 FEV 1972  
No DR: 27462  
17 x 26



Approximate Magnetic Declination (1971): 55°45' W.  
Map Scale: 1 inch = 1/2 mile

GEOLOGICAL EXPLORATION SERVICE  
DEPARTMENT OF NATURAL RESOURCES, QUEBEC

DP-59



Geology: B. Dressler 1971 1" = 1/2 mile

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