



### GEOLOGY OF THE SOUTHEAST MAX LAKE AREA

#### Legend

##### PRECAMBRIAN (ARCHEAN)

###### Intrusive rocks

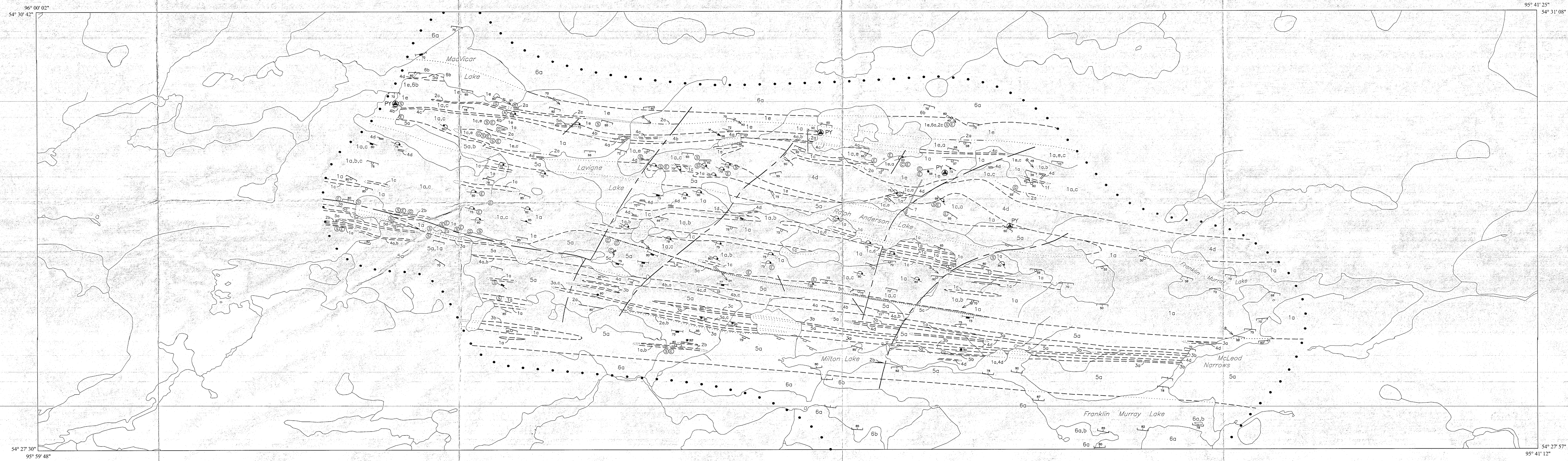
- 7 Leucogabbro, diabase
- 6 Granitoid rocks and related gneisses
  - (6a) Tonalite, granodiorite; minor plagioclase porphyry, pegmatite, aplite
  - (6b) Hybrid gneiss (derived from units 1 and 6)
- 5 Gabbro, minor pyroxenite and hornblende (Lavigne Lake gabbro; McLeod Narrows gabbro); diabase
  - (5a) Gabbro, mesocratic to melanocratic
  - (5b) Pyroxenite, hornblende
  - (5c) Diabase
  - (5d) Magnetiferous quartz diorite, diorite

###### Volcanic and sedimentary rocks

- 4 Rhyolite, massive to fragmental; heterolithic breccia, minor related sedimentary rocks; plagioclase ± quartz porphyry
  - (4a) Rhyolite, massive to fragmental
  - (4b) Heterolithic volcanic breccia and tuff
  - (4c) Volcanic-derived conglomerate, feldspathic greywacke and siltstone
  - (4d) Plagioclase ± quartz porphyry
- 3 Heterolithic volcanic breccia and associated tuff; related sedimentary rocks
  - (3a) Heterolithic volcanic breccia and tuff, mafic to felsic fragments
  - (3b) Heterolithic volcanic breccia and tuff, felsic and minor intermediate fragments
  - (3c) Volcanic-derived conglomerate, greywacke and siltstone
- 2 Sedimentary rocks; altered supracrustal rocks
  - (2a) Oxide-facies iron formation
  - (2b) Siltstone, feldspathic greywacke
  - (2c) Altered garnetiferous supracrustal rocks
- 1 Basalt, related fragmental and intrusive rocks; derived laminated amphibolite, schist and gneiss
  - (1a) Aphyric basalt; minor plagioclase phytic basalt and related gabbro
  - (1b) Basalt pillow-fragment breccia, flow-top breccia
  - (1c) Gabbro, minor hornblende
  - (1d) Gabbro, megaphyric to glomeroporphyritic
  - (1e) Amphibolite, related gneiss and schist
  - (1f) Spherulitic pillowed basalt

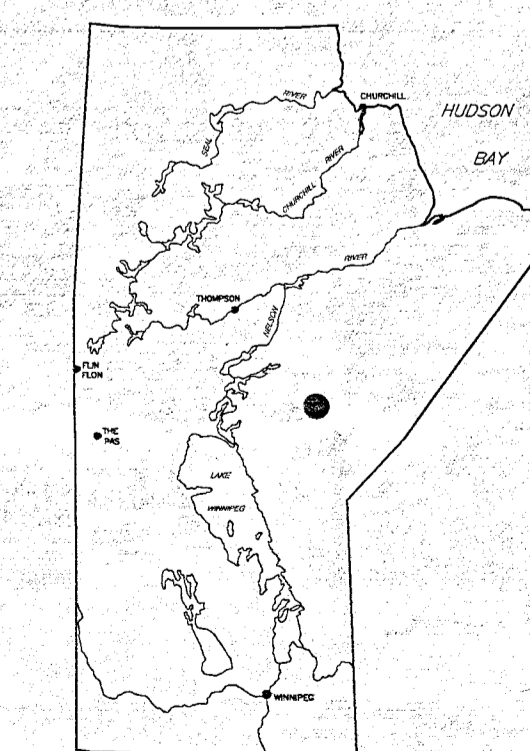
#### Symbols

- Geological contact: approximate, assumed, underworn
  - Bedding: tops known, overturned, tops unknown
  - Pillows: tops known, overturned, tops unknown
  - Igneous layering: tops known, tops unknown
  - Volcanic flow contact: tops known, tops unknown
  - Foliation: inclined, vertical
  - Pillow flattening
  - Mineral lineation
  - Fold axis
  - S, Z folds
  - Axial plane
  - Fault: defined, inferred
  - Shear zone
  - Oxide-facies iron formation (2a)
  - Dyke
  - Limit of geological mapping
  - Mineralization, pyrite
- |                   |
|-------------------|
| Alteration        |
| ⊙ Garnetite       |
| ⊙ Carbonatization |
| ⊙ Epidotization   |
| ⊙ Gossan          |
| ⊙ Silicification  |



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This map is a provisional summary of work carried out during the summer field season and is printed directly from the geologist's manuscript. It is not to be regarded as a final interpretation of the geology of the area.

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