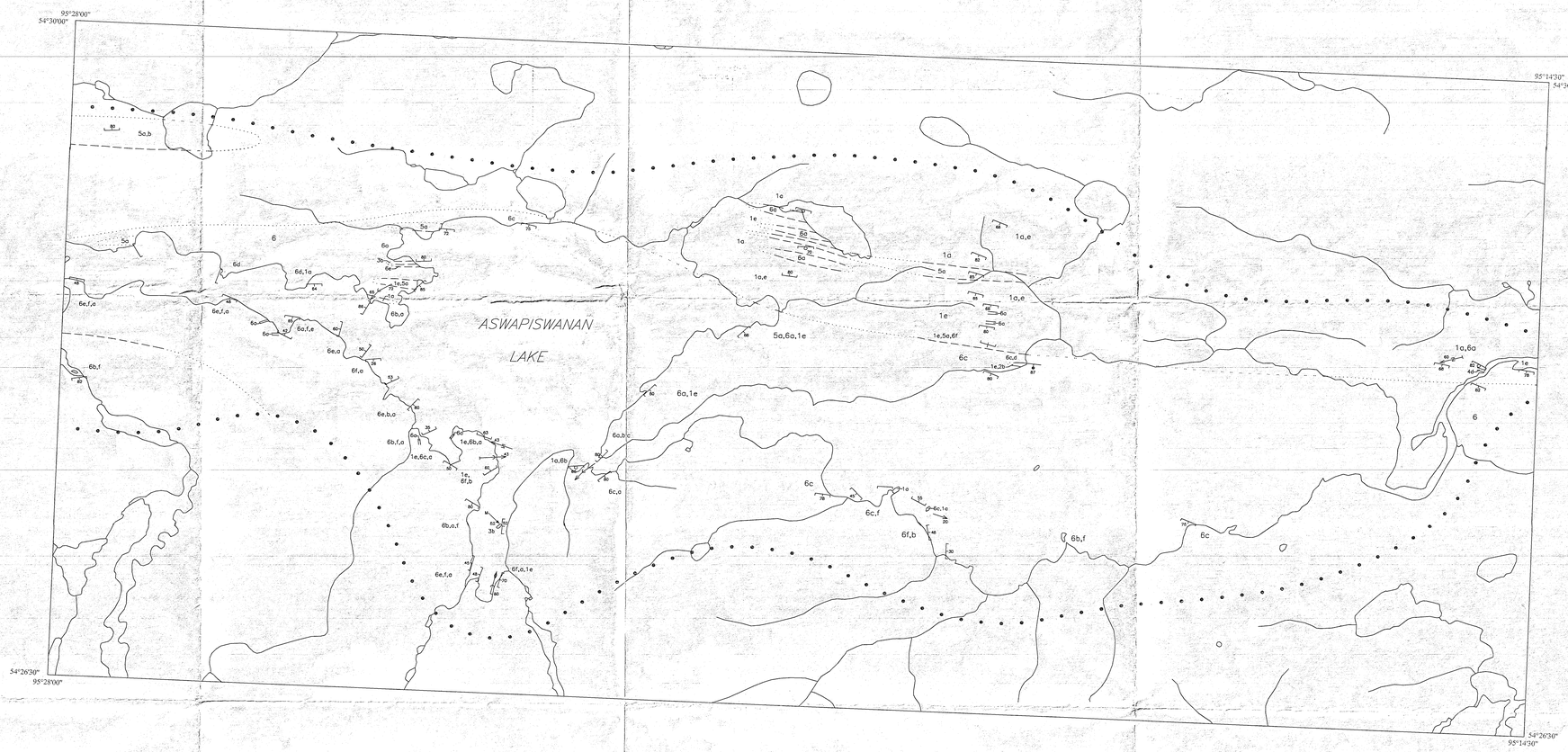
Manitoba
Industry, Trade and Mines

Preliminary Map Number: 2000S-4

N.T.S. part of 53L/6NW

GEOLOGY OF THE ASWAPISWANAN LAKE EAST AREA



Legend

PRECAMBRIAN (ARCHEAN)

Intrusive rocks

7 Leucogabbro, diabase

6 Granitoid rocks and related gneisses: tonalite, granodiorite, granite; minor plagioclase porphyry, pegmatite, aplite; hybrid gneiss derived from units 1 and 6

- (6a) Granite, massive; related aplite and pegmatite
- (6b) Granodiorite and granite, massive to gneissoid; minor K-feldspar blastic granodiorite/granite; minor pegmatite
- (6c) Tonalite and granodiorite, gneissoid
- (6d) Hornblende quartz diorite to diorite
- (6e) Tonalite, plagioclase-phyric, minor felsitic *lits*
- (6f) Hybrid gneiss (derived from units 1 and 6)

5 Gabbro, minor pyroxenite and hornblendite diabase

- (5a) Gabbro, mesocratic to melanocratic
- (5b) Pyroxenite, hornblendite
- (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, minor chert
- (2c) Altered garnetiferous supracrustal rocks

1 Basalt, related fragmental and intrusive rocks; derived laminated amphibolite, schist and gneiss

- (1a) Aphyric basalt; minor plagioclase-phyric basalt and related gabbro
- (1b) Basalt pillow-fragment breccia, flow-top breccia
- (1c) Gabbro, minor hornblendite
- (1d) Gabbro, megaphyric to glomeroporphyritic
- (1e) Amphibolite, related gneiss and schist
- (1f) Spherulitic pillowed basalt

Note: units in grey do not appear on this map

Symbols

- Geological contact: approximate, assumed, underwater
- Bedding: tops known
- Foliation: inclined, vertical, dip unknown
- Pillow flattening
- Fold axis: inclined, vertical plunge
- S, Z, and symmetrical folds
- Axial plane
- Limit of geological mapping

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Cartography by: M. Timcoe

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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Scale 1:20 000

1 0 1 2

kilometres

Reference: Gilbert, H. P. 2000: Geology of the Aswapiswanan Lake East area (part of NTS 53L/6NW); Manitoba Industry, Trade and Mines, Preliminary Map 2000S-4, scale 1:20 000.