

GEOLOGY OF THE
ASWAPISWANAN LAKE WEST AREA

Legend

PRECAMBRIAN (ARCHEAN)

Intrusive rocks

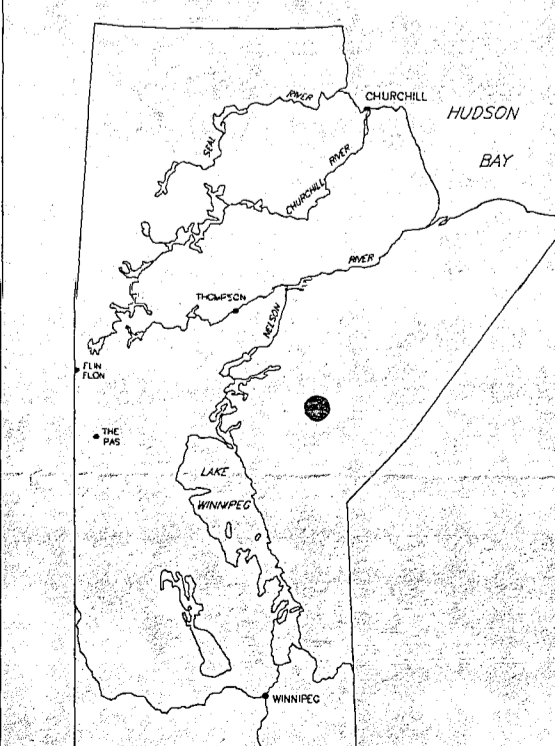
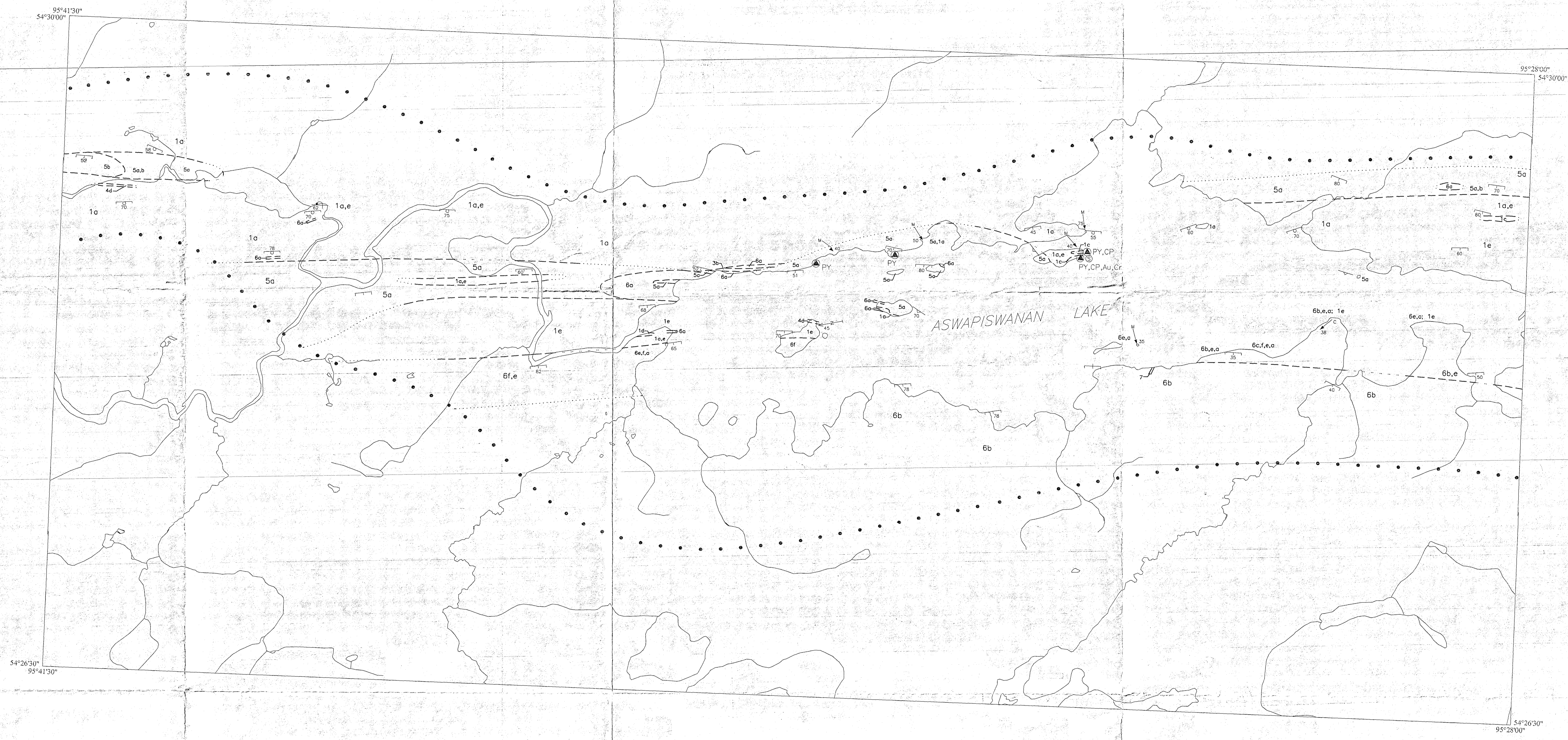
- 7 Leucogabbro, diabase
- 6 Granitoid rocks and related gneisses: tonalite, granodiorite, granite; minor plagioclase porphyry, pegmatite, aplite; hybrid gneiss derived from units 1 and 6
 - (6a) Granite, massive; related aplite and pegmatite
 - (6b) Granodiorite and granite, massive to gneissoid; minor K-feldspar blastic granodiorite/granite; minor pegmatite
 - (6c) Tonalite and granodiorite, gneissoid
 - (6d) Homoplasic quartz diorite, diorite
 - (6e) Tonalite, plagioclase-phyrlic; minor felsitic *lit*s
 - (6f) Hybrid gneiss (derived from units 1 and 6)
- 5 Gabbro, minor pyroxenite and hornblende diabase
 - (5a) Gabbro, mesocratic to melanocratic
 - (5b) Pyroxenite, hornblende
 - (5c) Diabase
 - (5d) Megacriferous 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 grey wacke 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, grey wacke and siltstone
 - 2 Sedimentary rocks; altered supracrustal rocks
 - (2a) Oolite-facies iron-formation
 - (2b) Siltstone, feldspathic grey wacke
 - (2c) Altered garnetiferous supracrustal rocks
 - 1 Basalt, related fragmental and intrusive rocks, derived laminated amphibolite, schist and gneiss
 - (1a) Aphyric basalt; minor plagioclase-phyrlic basalt and related gabbro
 - (1b) Basalt pillow-fragment breccia, flow-top breccia
 - (1c) Gabbro, minor hornblende
 - (1d) Gabbro, megaphyrlic 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
- Pillows: tops known, overturned
- Igneous layering: tops unknown
- Foliation: inclined, vertical
- Pillow flattening
- Mineral lineation
- Fold axis
- S, Z folds
- Axial plane
- Limit of geological mapping
- Mineralization
 - PV Pyrite
 - CP Chalcopyrite
 - Au Gold
 - Cr Chromium
- Alteration
 - 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.

Published 2000

