

GEOLOGICAL SURVEY OF CANADA
 COMMISSION GÉOLOGIQUE DU CANADA
 DEPARTMENT OF ENERGY, MINES AND TECHNICAL SURVEYS
 MINISTÈRE DES ÉNERGIES, MINES ET SURVEILLANCES

OPEN FILE 553
 by K.E. Eade

LEGEND TULEMALU LAKE

- HELMICAN**
- HDb Diabase and gabbro (northwest trending Mackenzie dykes) (intercepted from aeromagnetic maps)
- Hgp Porphyritic fluorite-bearing granite
- Hgpr with rapakivi texture
- Hg Granite
- DUBAWNT GROUP (HD)**
- HDM Martell syenite: syenite, monzonite, minor alkali granites
- HDMd lamprophyre dykes, syenite dykes
- CHRISTOPHER ISLAND FORMATION: HDC**
- HDCf felsic trachyte lava
- HDCr rhyolite
- HDCp pyroclastic rocks
- HDCv vent breccia and agglomerate
- HDCs volcaniclastic sedimentary rocks
- SOUTH CHANNEL FORMATION: conglomerate; minor sandstone, siltstone, mudstone lenses**
- HDS conglomerate, sandstone, siltstone, mudstone and sandstone
- ANIKYUT FORMATION: arkosic sandstone, thinly bedded siltstone, mudstone and sandstone**
- HDA arkosic sandstone, siltstone, mudstone and sandstone
- APHEBIAN**
- Av Hornblende syenite
- Aqm Quartz monzonite to granodiorite
- Adb Diabase and gabbro (east trending dykes)
- APPELIAN**
- Adb' Metagabbro (northeast trending dykes); Adb': hornblende dykes
- Adi Gabbro, metagabbro; Ad': diorite
- Aqm' Quartz monzonite to granodiorite, massive to slightly foliated
- Amp Grandiorite to quartz monzonite, massive to foliated; includes some Ampo
- Amp Grandiorite gneiss, tonalite gneiss; includes some orthogneiss, layered gneiss, swirled to nebularitic gneiss and amphibolite inclusions
- Amp' quartz diorite gneiss
- Ampo granodiorite orthogneiss
- Ampo' pyroxene-bearing granodiorite gneiss and swirled to nebularitic gneiss
- Ampom granodiorite gneiss containing abundant amphibolite inclusions
- Ampa augen gneiss, granodiorite to quartz monzonite composition
- Aml Migmatite to irregularly layered, banded or nebularitic gneiss; includes minor Amp and Ampo; commonly cut by dykes and sheets of quartz monzonite, Amp
- HENIK GROUP**
- Ampn Migmatized paragneiss; with minor Amp; commonly cut by dykes and sheets of quartz monzonite Amp; rarely Ampo
- Ampn' migmatized amphibolite with minor paragneiss, probably derived from basic to intermediate volcanic rocks
- Ampnt paragneiss, in part migmatized, with minor Amp, and amphibolite, probably derived from intermediate to felsic tuff
- Ast Metagreywacke with some metatuff
- Acf Carbonate iron formation
- Alm Limestone
- Aq Arkose, quartzite, quartz pebble conglomerate; minor black slate
- Ik Intermediate to felsic metavolcanics; tuff, agglomerate, and flows
- Am Basic metavolcanics; massive and pillowed flows, pyroclastics, tuff, and agglomerate; includes some gabbro; Amp; mixed basic and intermediate metavolcanics and gabbro
- Amb mixed basic and intermediate metavolcanics and gabbro
- Amm amphibolite

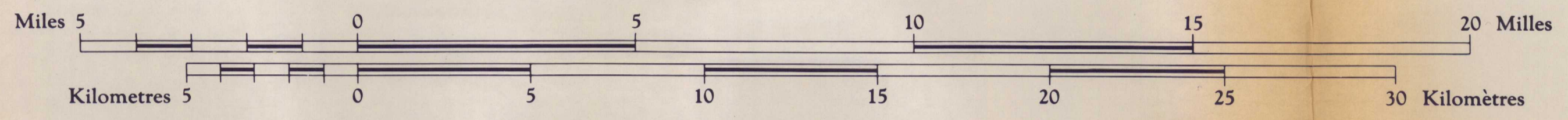
- Geological boundary (defined, approximate, assumed).....
- Geological boundary (gradational).....
- Bodding, tops unknown (inclined, vertical, dip unknown).....
- Pillows, tops known (inclined).....
- Pillows, tops unknown (inclined, vertical).....
- Schistosity, cleavages (inclined, vertical, dip unknown).....
- Gneissosity, foliation (inclined, horizontal, vertical, dip unknown).....
- Lamination, plunge.....
- Jointing.....
- Fault (defined, approximate, assumed).....
- Minor fold axis, plunge.....
- Mineral occurrence (py: pyrite; po: pyrrhotite).....

Geology by K.E. Eade, 1975, 1976, and D.H. Blake, 1976

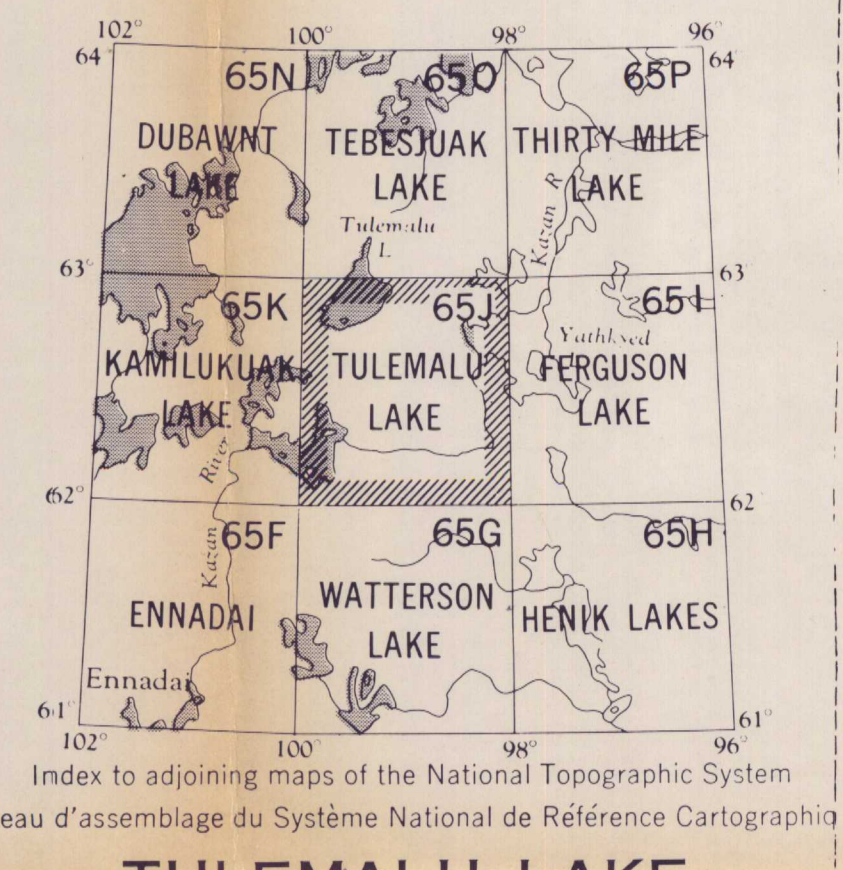
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 DEC. 1980 DEC.
 GEOLOGICAL SURVEY
 COMMISSION GÉOLOGIQUE
 OTTAWA

TULEMALU LAKE
 DISTRICT OF KEEWATIN
 NORTHWEST TERRITORIES

Scale 1:125,000 Échelle



Transverse Mercator Projection
 North American Datum 1927



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