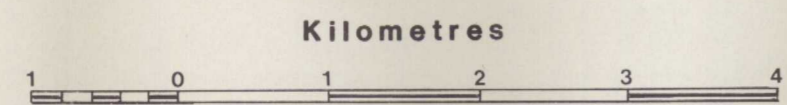




SOUTHEASTERN AMER LAKE AREA (66H/1)
 DISTRICT OF KEEWATIN
 NORTHWEST TERRITORIES

Scale 1:50,000



CENOZOIC

APHEBIAN

ARCHEAN

DUBAWNT
 GROUP

ALKALIC INTRUSIVE COMPLEX

GRANITIC PLUTONIC COMPLEX

QUARTZITE SEQUENCE

WOODBURN

LAKE

GROUP

VOLCANIC SUITE

LEGEND

- Qal** Glacial, fluvial and lacustrine sediments
- Pip** Lamprophyre
- Psy** Alkali feldspar syenite
- Pgb** Gabbro
- Ppd** Plagioclase-bearing peridotite
- Pga** Fluorite-bearing alkali feldspar granite
- Agf** Foliated granite
- Agz** Coarse-grained granite; Agz - border zone; Agg - gabbro; Agc - coarse-grained granite
- Aggs** Sheared granitoid rocks
- Apf** Late felsic porphyry
- Aqo** Orthoquartzite; Aqs - white mica-quartz schist; Aqf - feldspathic quartzite; Agc - oligomictic conglomerate
- Aqp** Phyllite, minor greywacke
- Agb** Gabbro, diorite
- Apf** Porphyries; Apf - felsic quartz-feldspar porphyry; Apt - Tern Lake porphyry
- Aif** Iron formation
- Aido** Dolostone
- Av** Volcaniclastic rocks; Av - undivided volcaniclastic rocks; Avt - coarse volcaniclastic rocks; Avg - greywacke
- Amv** Mafic volcanic rocks, minor gabbro; Abk - basaltic komatiite
- Aum** Ultramafic rocks, Akm - komatiite
- Afi** Felsic to intermediate volcanic rocks; Afv - felsic volcanic rocks; Aiv - intermediate volcanic rocks

- Geological boundary (approximate, assumed)
- Bedding, top known (inclined, overturned to northwest)
- Foliation (horizontal, inclined, vertical)
- Lineation (inclined, horizontal)
- Sheared contact
- Reverse fault (teeth on hanging wall)
- Fault

Geological map of the southeastern Amer Lake area (66H/1), District of Keewatin, Northwest Territories

Note: Stratigraphic order of volcanic suite is approximate. For more detailed information, see Ashton (1981, 1982, 1985, in prep.). Corrections or additional information would be welcomed and acknowledged.

Geology by: K.E. Ashton (1980-1982)

References

- Ashton, K.E.
- 1981: Preliminary report on geological studies of the 'Woodburn Lake Group' northwest of Tehek Lake, District of Keewatin; in Current Research, Part A, Geological Survey of Canada, Paper 81-1A, p. 269-274.
- 1982: Further geological studies of the 'Woodburn Lake Group' northwest of Tehek Lake, District of Keewatin; in Current Research, Part A, Geological Survey of Canada, Paper 82-1A, p. 151-157.
- 1985: Archean orthoquartzites from the Churchill Structural Province near Baker Lake, N.W.T.; in Program with Abstracts, Volume 10, Geological Association of Canada, p. A2.
- (in prep.): Precambrian geology of the southeastern Amer Lake area (66H/1), near Baker Lake, N.W.T.: A study of the Woodburn Lake group, an Archean, orthoquartzite-bearing sequence in the Churchill Structural Province; Unpublished Ph.D. thesis, Queen's University, Kingston, Ontario.

- 2621:2z** Isotopic age date (z - U/Pb zircon date, a - ⁴⁰Ar/³⁹Ar date) (Ma)
- 2621:2z** Mineral occurrence (A - arsenopyrite, C - chalcopyrite, F - Fe-rich goossan, G - galena, M - malachite, P - massive pyrite)