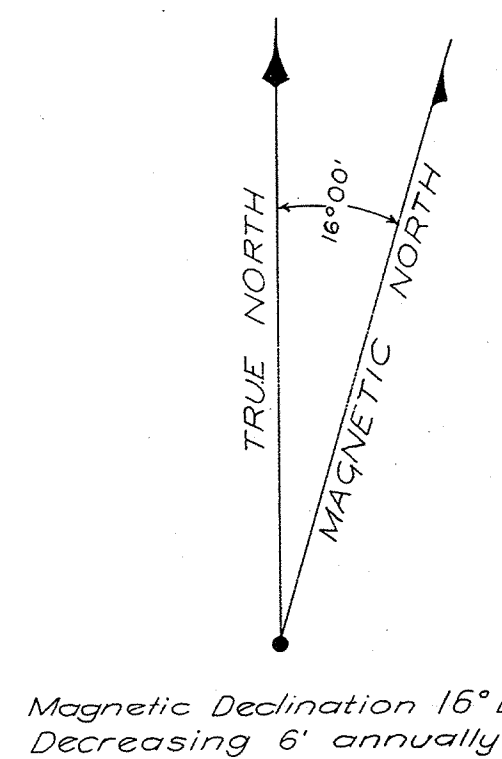


—LEGEND—

- LEGEND**
- Basic Dykes**
- Granite**
- (a) gneissic biotite granite, commonly aplitic
- (b) fine-grained pink granite, commonly aplitic
- (c) gneissic granite, partly of igneous, partly of sedimentary origin, locally containing sedimentary and metamorphosed inclusions
- (d) massive coarse-grained granite
- (e) graphic granite and pegmatite
- Diabase, quartz diorite**
- (a) hornblende diorite
- (b) biotite hornblende quartz diorite
- (c) contaminated quartz diorite
- Hornblende gabbro**
- SICKLE SERIES**
- 8** Biotite-hornblende-quartz-plagioclase gneiss
- (a) garnet-cordierite-biotite-hornblende-quartz-plagioclase gneiss
- 7** Muscovite-biotite-quartz-plagioclase gneiss, locally sillimanitic, intruded by much pegmatite and graphic granite
- 6** Micaceous quartzite and arkose
- (a) muscovite-biotite-quartz-plagioclase schist
- (b) biotite-hornblende-quartz-plagioclase gneiss interbedded with quartzite
- 5** Feldspathic quartzite and arkose
- (a) mica schist, actinolite schist, garnetiferous gneisses, interbedded with quartzite
- 4** Conglomerate
- WASEKAN SERIES**
- 3** Chiefly sedimentary rocks: quartzite, argillite, greywacke, and derived metasedimentary rocks; minor volcanics and amphibolite
- (a) garnetiferous, staurolitic, and sillimanitic gneisses
- 2** Interbedded basic volcanics, tuff quartzite, pillow lavas and agglomerate
- 1** Chiefly basic volcanics, greenstone and greenstone schist; minor amphibolites, sediments, and pyroclastics
- Mixed rocks**
- (a) altered volcanics, amphibolite, pseudo-gabbro, sheared and granitized equivalents, and gneissic granite
- (b) hornblende-plagioclase gneiss, amphibolite, sickle sediments and granitized equivalents, garnetiferous and sillimanitic gneisses, pegmatite, biotite granite

—SYMBOLS—

- SYMBOLS**
- Geological boundary (defined, assumed)
- Outcrop boundary
- Swamp and muskeg
- Bedding (vertical, inclined, top of bed known)
- Schistosity (vertical, inclined, unknown)
- Anticlinal axis
- Synclinal axis
- Portage (15 chains)
- Fault
- Magnetic anomaly
- Cp, Py, As Occurrence of chalcopyrite, pyrite, arsenopyrite
- Glacial striae
- Centres of aerial photographs 66-70, 19-22 from 10944 224-229, 272-276 " 10945 161-166, 210-214 " 11064
- Man. Gov. Survey Post



Any of the accompanying legend or symbols not appearing on this map (49-4) appear on the accompanying map (50-9)

Geology by T.A. Oliver, 1949 & 1950  
To accompany publication 50-9

Mineral claims staked within the area covered by this map are shown on Mineral Claim Sheets NE 11, 64-C and SE 11, 64-C

Base map compiled by Mines and Surveys Branches,  
Department of Mines and Natural Resources, Manitoba,  
from National Topographical Series advance sheet 64C.

MAP 49-4  
COUNSELL LAKE AREA  
NORTHERN MANITOBA

Scale: 1 inch = 1/2 mile or 1:31,680

