

LEGEND

- 15 Gneissoid biotite granite and allied rocks, some garnetiferous; 15a, massive granite and allied rocks, in part coarsely porphyritic; 15b, foliated biotite granite; 15c, pegmatite
- 14 Basic intrusions varying from gabbro to quartz diorite; 14a, peridotite; 14b, hornblende; 14c, gabbroic anorthosite, some gabbro; 14d, hornblende gabbro and diorite, in part garnetiferous, in part quartz-bearing; 14e, biotite diorite
- 13 Rhyolite and quartz-feldspar porphyry; may be partly sedimentary; may be older than 4 and related to 12
- 12 "Quartz-eye" granite and related porphyry; may be older than 4
- 10 11 Granitized gneisses derived mainly from sedimentary rocks (4,5,6) by gneissic granite (10b) 11. Biotite granitoid gneiss derived mainly from sedimentary rocks (4,5,6) by gneissic granite (10b)
- SNOW GROUP
- 9 Arkose, minor greywacke, and derived, sparsely garnetiferous gneisses
- 8 Basic flows, minor tuff, undifferentiated diorite, gradations to hornblende gneiss; 8a, hornblende gneiss and schist derived from 8
- 7 Coarse, hornblende-rich, agglomerate, tuff, breccia, and undifferentiated basic intrusions; 7a, hornblende, gabbro, diorite
- 6 Acidic volcanic rocks and feldspathic sedimentary rocks; minor acidic intrusions; 6a, rhyolite
- 5 Staurolite and staurolite-sillimanite schist and gneiss; interbeds of 4, 5a, mainly coarse garnet schist and gneiss; 5b, sillimanite-garnet schist, relation to 5 unknown
- 4 Garnet gneiss and schist, derived from greywacke; minor argillaceous members
- 3 Interbedded argillite and greywacke, minor slate, arkose, quartzite, pebble beds, garnet gneiss, staurolite schist. Relation to Snow and Amisk groups unknown
- AMISK GROUP
- 2 Basic volcanic breccia, agglomerate, and tuff, minor flows; undifferentiated diorite; minor argillite
- 1 Massive and pillowed basic lavas, flow breccia; minor pyroclastic rocks; undifferentiated basic intrusions; 1a, basic flows with many interbeds of argillite; 1b, hornblende-quartz-plagioclase gneiss, in part banded; derived from 1
- A B A. Grey gneissic and banded rocks, derived mainly from basic volcanic rocks (1,2) by "quartz-eye" granite (1c); in part similar to B. B. Rocks of granitic texture derived mainly from basic volcanic rocks (1,2) by granite (1b, 1a), probably includes some A

- Drift-covered areas with few or no outcrops
- Bedding (inclined, overturned)
- Bedding, upper side of bed known, direction of dip unknown
- Bedding, upper side of bed unknown (inclined, vertical)
- Foliation (inclined, vertical, dip unknown)
- Schistosity, gneissosity (inclined, vertical, dip unknown)
- Faults and shear zones (inclined, dip unknown)
- Direction and amount of plunge determined from linear elements
- Location of prospect
- Anticlinal axis
- Synclinal axis
- Glacial striae

INDEX OF MINERAL LOCALITIES

Anderson Lake sulphide deposits	43	Moore Lake gold deposits	45
Berry Creek sulphide deposits	47	Morgan Lake gold deposit	50
Birch Lake deposits	25, 26	Morgan Lake sulphide deposits	48
Chisel Lake sulphide deposits	44	Morton Lake sulphide deposits	11, 13, 14, 16
Cook Lake sulphide deposit	41	Nor-Acme gold mine	30
Corley Lake gold showings	4, 5, 6	Noteme sulphide deposits	37
Dickstone Copper Mines, Ltd.	7, 8, 9, 10	Photo Lake gold deposit	36
Dummy Bay sulphide deposits	46	Snow group (see Kona Lake Mines, Ltd.)	
Edwards Lake deposits	38, 39, 40	Snow Lake Narrows deposits	32, 33
Gaspard-Anderson Lakes deposits	12	Squall Creek sulphide deposits	27
Gordon Lake sulphide deposits	19	Squall Lake Gold Mines, Ltd.	17, 18
Hertlet Lake deposit	28, 29, 30, 31	Tern Creek showings	35
Kona Lake Mines, Ltd.	20, 21, 22, 23, 24	Tern Lake Portage showing	34
(Snow group) deposits	1, 2, 3	Threehouse Lake gold deposit	42
Loonhead Lake sulphide deposits		Tramping Lake sulphide deposit	51
		Woosley Lake sulphide deposits	49

SYMBOLS

- ELECTRO-MAGNETIC ANOMALY
- Strong Medium Weak
- Single Zone
- MAGNETIC ANOMALY
- SELF-POTENTIAL ANOMALY
- RESISTIVITY ANOMALY
- GEOPHYSICAL GRID BOUNDARY

Geophysical data by I. T. Hanson  
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MINERAL EVALUATION AND ADMINISTRATION BRANCH  
MINERAL RESOURCES DIVISION, WINNIPEG

To Accompany Open File Report 78/2



Geological base map derived from Geol. Surv. Can. Map 929A by J.M. Morrison.  
Source data for this review obtained from Open File Assessment Reports.

MAP 78/2-BA  
COMPILATION OF THE GROUND GEOLOGICAL SURVEYS  
FROM THE OPEN ASSESSMENT FILES  
IN THE  
FILE LAKE AREA  
MANITOBA  
63 K/16  
SCALE 1:50 000

