



LEGEND

- 16 Pink biotite granodiorite
- 15 Gneissic diorite and syenodiorite, in part porphyritic (occurs on Map 1071A, "Heming Lake" only)
- 14 Gneissic biotite granodiorite; 14a, foliated, very gneissic granodiorite (14a occurs on Map 1071A, "Heming Lake" only)
- 13 Gneissic hornblende-biotite quartz diorite to granodiorite
- 12 Grey gneissic hornblende diorite (occurs on Map 1071A, "Heming Lake" only)
- 11 "Quartz-eye" granite; 11a, grey gneissic rocks derived mainly by granitization of basic volcanic rocks (1); age uncertain, possibly older than Kissenew complex (5-8)
- 10 Meta-gabbro and meta-diorite; 10a, meta-pyroxenite, younger than 3, older than 10; relation to Kissenew complex (5-8) unknown
- 9 Porphyritic rhyolite and rhyolite, in part younger than 13; relations to Kissenew complex (5-8) unknown
- KISSENEW COMPLEX (5-8)
- 8 Granodiorite; 8a, pegmatite (8 occurs on Map 1071A, "Heming Lake" only)
- 7 Granitized gneiss derived from both biotite gneiss (5) and hornblende-plagioclase gneiss (6)
- 6 Hornblende-plagioclase gneiss, in part banded
- 5 Biotite gneiss, in part garnetiferous
- 4 Interbedded argillite and greywacke; 4a, hornblende-biotite schists and gneiss; relation to Kissenew complex (5-8) unknown
- AMISK GROUP (1-3)
- 3 Hornblende-plagioclase gneiss, probably altered volcanic rocks
- 2 Garnetiferous biotite schist and gneiss; garnetiferous staurolite gneiss, probably altered sediments; minor quartzite
- 1 Basic volcanic rocks, pillow lavas, minor acidic volcanic rocks, minor pyroclastic rocks, cherts, iron-formation; undifferentiated basic intrusions; 1a, basic volcanic rocks with thin bands of garnetiferous hornblende-plagioclase gneiss; 1b, banded hornblende-plagioclase gneiss derived from 1; 1c, coarse-grained amphibolite derived from 1
- A Grey gneisses and migmatites derived from basic volcanic rocks (1, 3) and sedimentary rocks (2) by biotite granodiorite (14)
- B Grey to buff gneisses and migmatites derived from basic volcanic rocks (1) and sedimentary rocks (1a) by hornblende-biotite granodiorite (13)

Bedding (inclined, vertical, overturned) /

Bedding (upper side of bed unknown) /

Schistosity, gneissosity (inclined, vertical, dip unknown) /

Foliation (inclined, vertical, dip unknown) /

Lamination (direction and amount of plunge determined from linear elements) /

Drag-fold (form and direction of plunge) /

Fault or shear zone /

Anticline /

Syncline /

Glacial striae /

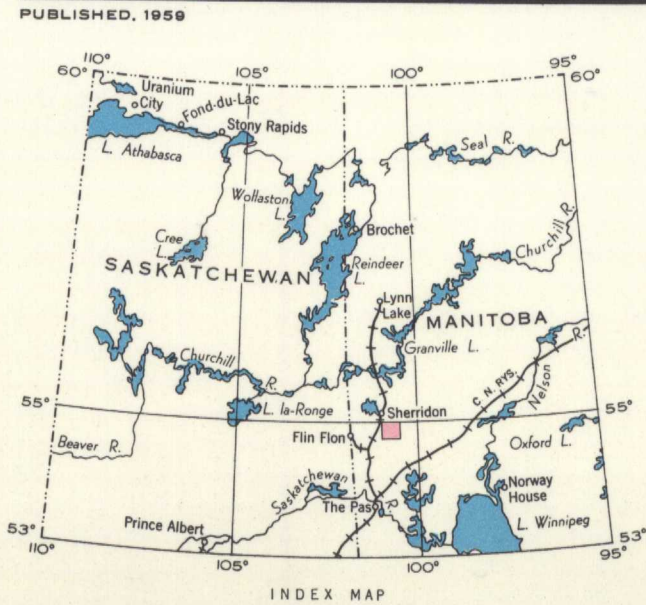
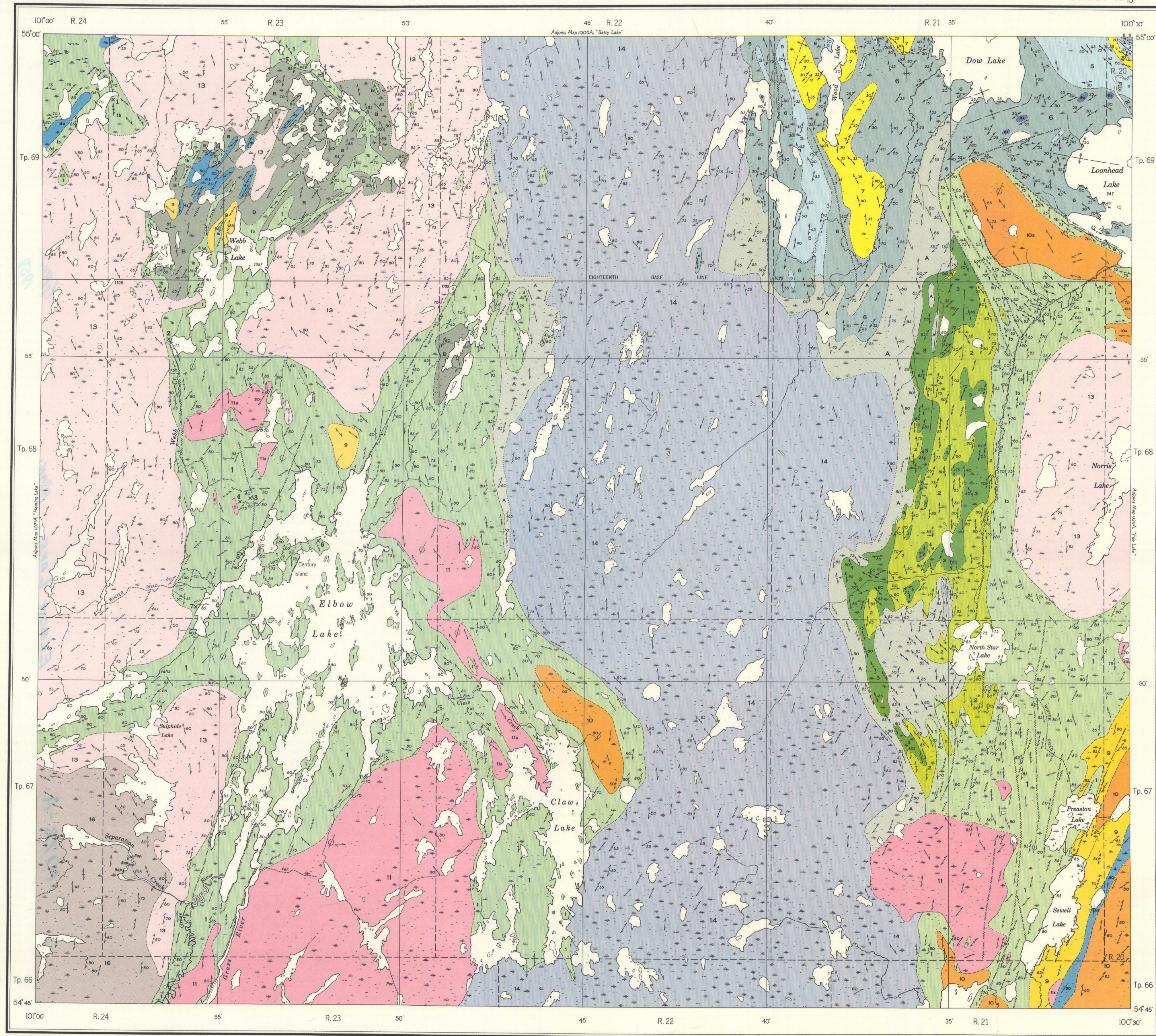
Mineral property x

INDEX TO MINERAL PROPERTIES

1. Parres property 5. Vanderberg group
2. Webb property 6. Century mine
3. Vanderberg group 7. Elbow Lake property
4. Vanderberg group 8. Ding How property

Geology by J. C. McGlynn, 1949-1952

Approximate magnetic declination, 14°06' East



MAP 1072A
ELBOW LAKE
WEST OF PRINCIPAL MERIDIAN
MANITOBA

Scale: One Inch to One Mile = $\frac{1}{63,360}$

1 1/2 0 1 2 3
Miles

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REFERENCE

Portage, trail or winter road /

Building /

Township boundary (surveyed) /

Township boundary (unsurveyed) /

Intermittent stream /

Marsh /

Reef or small island /

Height in feet above mean sea level /

Base-map compiled by the Topographical Survey, 1945.
Cartography by the Geological Cartography Unit, 1958

Air photographs covering this map - area may be
obtained through the National Air Photographic
Library, Topographical Survey, Ottawa, Ontario.

1072A