

MINERAL DEPOSITS AND OCCURRENCES IN THE WEASEL BAY (63K/13NW) AND DEFENDER LAKE (63K/13NE) AREA, MANITOBA.

To accompany Report No. 3 of the Mineral Deposit Series

MINERAL DEPOSIT TYPE

STRATABOUND MASSIVE SULPHIDE TYPE DEPOSITS

- a) Volcanic rock — associated
- b) Sedimentary rock — associated
- c) Alteration zone associated with a or b

CHEMICAL-SEDIMENT TYPE DEPOSITS

- a) Sulphide facies Iron Formation
- b) Oxide facies Iron Formation
- c) Carbonate facies Iron Formation
- d) Silicate facies Iron Formation
- e) Other chemical sediments

VEIN TYPE DEPOSITS

- a) Single vein
- b) Multiple veins or lenses
- c) Stockwork

MAGMATOGENIC TYPE DEPOSITS ASSOCIATED WITH
MAFIC/ULTRAMAFIC ROCKS

- a) Disseminated
- b) Layered
- c) Net textured
- d) Podiform

DEPOSITS WITH PORPHYRY AFFINITIES

PEGMATITE TYPE DEPOSITS

CLASTIC SEDIMENT TYPE DEPOSITS

REPLACEMENT TYPE DEPOSITS

DISSEMINATED MINERALIZATION — NOT CLASSIFIED

IMMEDIATE HOST ROCK* TO MINERALIZATION
(Appendage in the 9 o'clock position)

- ▲ Rhyolitic volcanic rocks
- ▲ Dacitic volcanic rocks
- ▲ Intermediate volcanic rocks
- ▲ Basaltic volcanic rocks
- ▲ Ultramafic volcanic rocks
- ▲ Chert, cherty rocks
- ▲ Sericitic schist
- ▲ Chloritic schist
- ▲ Shale, slate, phyllite
- ▲ Sandstone, arkose
- ▲ Greywacke
- ▲ Quartzite
- ▲ Calc-silicate-rich rocks (limestone, dolomite)
- ▲ Chemical sediments
- ▲ Breccia
- ▲ Conglomerate
- ▲ Felsic intrusive rocks
- ▲ Intermediate intrusive rocks
- ▲ Mafic intrusive rocks
- ▲ Ultramafic intrusive rocks

*or metamorphic equivalent

TYPE OF MINERALIZATION
(Appendage in the 6 o'clock position)

- Trace (<1%)
- Minor (1-10%)
- ▲ Moderate (10 - 50%)
- Near solid (50-75%)
to solid (>75%)
- Near solid to solid stratified
- Near solid to solid zoned

*by volume

EXPLANATION OF MINERAL DEPOSIT AND OCCURRENCE SYMBOLS

AuCuZn
▲-1

1 Occurrence location* and reference number

Mineral deposit

Mineral occurrence

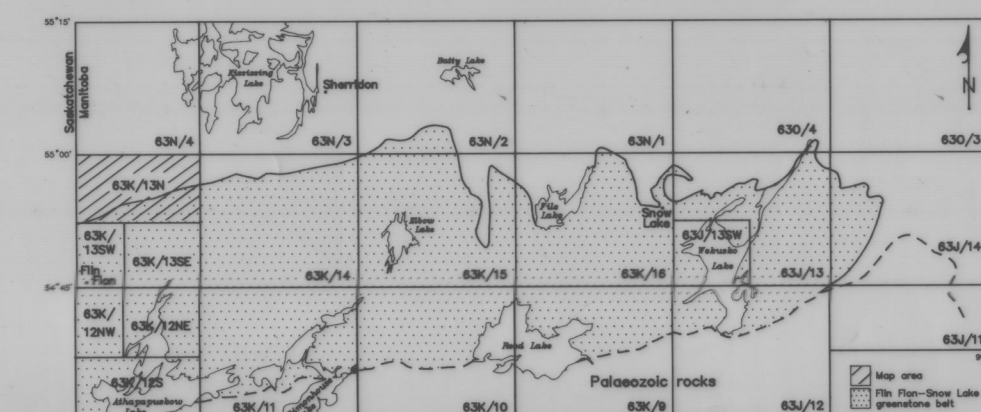
Immediate host rock to mineralization

Type of mineralization

AuCuZn Elements present (in order of increasing abundance)

*Exact locations indicated by a dot or outline of mineralization in solid black.
Approximate locations indicated by an x.

MINERAL DEPOSIT MAP SERIES



MANITOBA MINERAL DEPOSIT SERIES

The Mineral Deposit Series is designed to provide the explorationist with an up-to-date reference with accurate geographic locations for known mineralization within the Province. A descriptive classification of the mineralization into deposit types will assist mineral explorationists in the formulation of exploration strategies.

Mineral occurrences with known tonnage and metal grades are designated as deposits and are highlighted with bold deposit type symbols. Where more than one deposit type is known to occur at a locality, the deposit type with the greatest economic potential is indicated. For example, a 30 cm thick solid sulphide layer of the massive sulphide deposit type is indicated instead of a 2 m thick graphic sulphide layer of the chemical sediment deposit type at the same locality. Mineral occurrence data not displayed on the map are referenced in a companion report to enable the explorationist to modify the classifications in keeping with new developments or concepts.

The basic publication unit for the Mineral Deposit Series will be the 1:50,000 NTS sheet, on which deposits and occurrences are indexed consecutively. Where the density of data warrants the publication of a 1:20,000 map sheet (e.g. 63K/13SE), location numbers may not be consecutive and intervening numbers will be found on the remaining portions of that NTS map sheet (e.g. 63K/13SW).

The accompanying report contains a synthesis of known information for each locality on: Exploration History, Geological Setting, Mineralization, Deposit Type and References. The reports contain detailed maps that include precise locations, drill hole and trench locations and wherever possible detailed geological maps of the property. The data base used to derive the reports will reside in active mineral deposit files in the possession of the mineral deposit geologists at the Geological Services Branch.

This Mineral Deposit Series will be updated periodically as new information becomes available. Consequently, any errors, omissions or suggestions for improvement should be brought to the attention of the Director, Geological Services Branch.

GEOLOGICAL LEGEND

- 6+ Granitic rocks and granitoid gneisses
- 5 Mafic intrusions: Norite, gabbro, diorite
- 4 Quartzofeldspathic gneiss and migmatite
- 3 Greywacke gneiss and migmatite
- Amphibolite and hornblende-biotite-quartz-plagioclase gneiss
- Mafic to intermediate volcanic flows, related breccia and intrusions

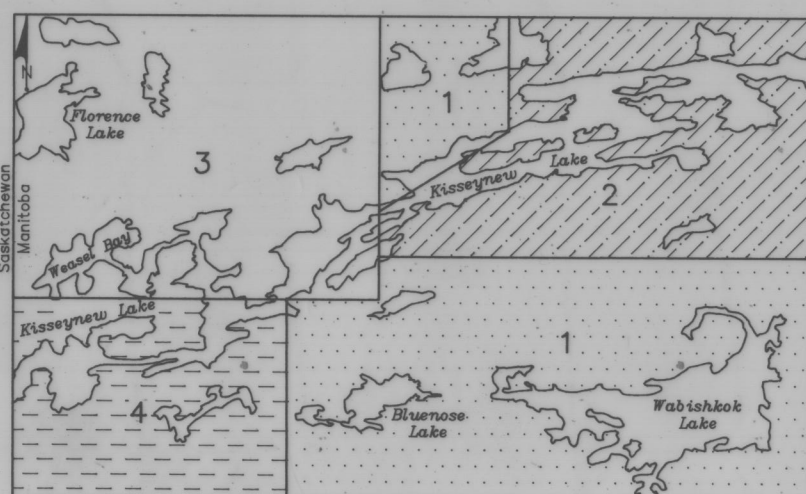
SYMBOLS

GEOLOGICAL SYMBOLS

- Geological boundary
- Fault
- Geophysical conductor
- Area encompassed by Mineral Deposit File
- Marsh/swamp
- Rock, island, reef
- Contour
- Road

TOPOGRAPHICAL SYMBOLS

GEOLOGICAL MAP SOURCE



Geological base map derived or modified from:

1. Bateman, J.D. and Harrison, J.M.
1945: Mikanagan Lake, Map 832A; one inch equals one mile geological map; Geological Survey of Canada.
2. Prose, E. and Gail, G.
1981: Geology of the Eastern Vicinity of Kisseynew Lake, Manitoba; Geological Survey of Canada, Current Research, Part A, Paper 81-1A, p. 311-313.
3. Zwandig, H.V. and Seneshen, D.M.
1984: Lobstick Narrows - Cleburne Lake, Manitoba Energy and Mines, Geological Services, Preliminary Map 1984 K-1, 1:20,000.
4. McRitchie, W.D.
1986: Kisseynew Project: Geological Reconnaissance of Kisseynew Lake West; Manitoba Energy and Mines, Geological Services, Report of Field Activities 1986, p. 96-99.
5. Tanton, T.L.
1941: Flin Flon Map 632A; one inch equals one mile geological map; Geological Survey of Canada.

U.T.M. COORDINATES FOR MINERAL DEPOSITS/OCCURRENCES

MINERAL OCCURRENCE NUMBER	UTM NORTHING (METRES)	UTM EASTING (METRES)	MINERAL OCCURRENCE NUMBER	UTM NORTHING (METRES)	UTM EASTING (METRES)
64	6084345	324653	79	6084095	338890
66	6084185	334183	82	6087533	327487
67	6084142	334980	87	6085652	327838
68	6084929	336897	109	6089169	316027
69	6086139	329875	110	6087542	317254
70	6085233	334937	111	6084932	334118
71	6085567	320967	112	6086245	327486
72	6089464	322466	113	6088347	327617
73	6080651	321149	114	6085569	334138
74	6081657	328043	115	6086036	327217
75	6083034	330647	116	6086388	338607

Mineral Deposit interpretation and compilation by

G.H. Gale and D.R. Eccles

Cartography by E. Graveley

Scale 1:50,000

KILOMETRES 1 2 3 4 5