

MANITOBA MINERAL DEPOSIT SERIES

The Mineral Deposit Series is designed to provide the explorationist with an up-to-date reference and 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).

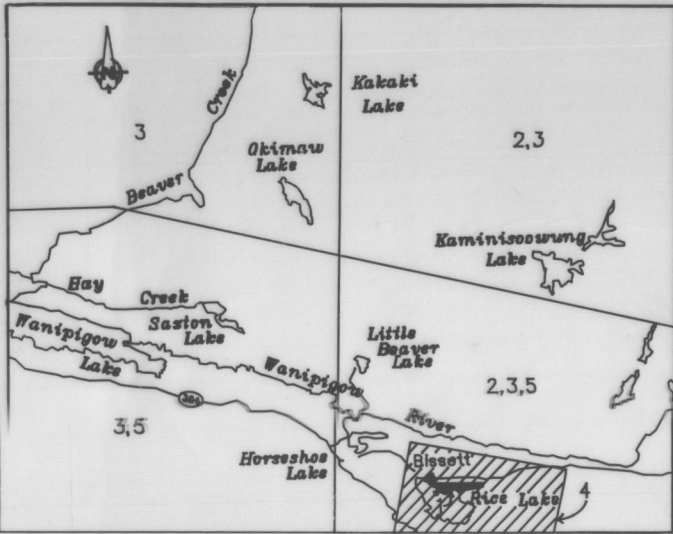
The accompanying report contains a synthesis of known information for each locality on: Exploration History, Geological Setting, Mineralization, Deposit Type and References. The reports contain detailed maps that include precise locations, drill hole and trench locations and wherever possible detailed 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

- 11** Ultramafic rocks
- 10** Mafic intrusive rocks
- 9** Quartz-feldspar porphyry
- WANIPIGW RIVER PLUTONIC COMPLEX**
- 8a** Hornblende-quartz diorite
- 8b** Biotite trondhjemite
- MANIGOTAGAN GNEISSIC COMPLEX**
- 7a** Tonalite biotite gneiss
- 7b** Biotite paragneiss
- 7c** Hornblende biotite granodiorite
- 6b** Hornblende-quartz-plagioclase gneiss
- RICE LAKE GREENSTONE BELT**
- 6a** Ross River Pluton and equivalent rocks
- 5** San Antonio Formation; sandstone, arkose
- 4** San Antonio Mine Unit (SAM Unit); mafic to intermediate intrusive and/or intrusive rock suite
- 3** Argillite, greywacke, iron formation
- 2** Felsic volcanic rocks
- 1** Mafic to intermediate volcanic and derived sedimentary rocks

GEOLOGICAL MAP SOURCE



Geological base map derived from:

- Ames, D.E.
1989. Geology of the San Antonio Mine area, Rice Lake, Fig. 2a, 1:5000; in *Satigraphy and alteration of gabbroic rocks near the San Antonio gold mine in the Rice Lake area, southeastern Manitoba*; Carleton University, M.Sc. Thesis (unpublished), 202 p.
- Davies, J.F.
1950. Wanipigow River area. Geological Map 49-3, 1:31 680; in *Geology of the Wanipigow Lake area, Manitoba Mines and Natural Resources*, Mines Branch, Publication 49-3, 21p.
- McRitchie, W.D.
1971. Geology of the Wanipigow-Winnipeg Rivers region, SE Manitoba; Geological Map 71-1/1, 1:253 440; in *Geology and Geophysics of the Rice Lake region, southeastern Manitoba (Project Pioneer)* (W.D. McRitchie and W. Weber, eds.), Manitoba Mines Branch, Publication 71-1.
- Stockwell, C.H.
1938. Rice Lake-Gold Lake area; Geological maps 5,6,7 and 8, Maps 459A-465A, 1:5000; in *Rice Lake-Gold Lake area, southeastern Manitoba*; Geological Survey of Canada, Memoir 210, 79p.
- Weber, W.
1971. Geology of the Wanipigow River-Manigotagan River region; Geological Map 71-1/4, 1:93 980; in *Geology and geophysics of the Rice Lake region, southeastern Manitoba (Project Pioneer)* (W.D. McRitchie and W. Weber, eds.), Manitoba Mines Branch, Publication 71-1.

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

MINERAL OCCURRENCE NUMBER	U.T.M. NORTHING (METRES)	U.T.M. EASTING (METRES)	MINERAL OCCURRENCE NUMBER	U.T.M. NORTHING (METRES)	U.T.M. EASTING (METRES)
1	5655564	312143	21	5655599	315001
2	5662954	307136	22	5656122	316599
3	5658166	313879	23	5655127	308301
4	5655837	313233	24	5653005	315558
5	5655498	312863	25	5653314	314631
6	5655449	313593	26	5656169	322282
7	5655423	313507	27	5656754	319716
8	5655387	314178	28	5656917	324223
9	5660232	309725	29	5655419	326217
10	5653288	314554	30	5656507	301731
11	5655398	309177	31	5655104	319766
12	5655394	305490	32	5656047	297653
13	5655507	305578	33	5656419	299651
14	5657265	302210	34	5656001	305741
15	5655235	311071	35	5656116	323745
16	5656191	310725	36	5656286	318973
17	5653281	313328	37	5657217	293519
18	5657128	308613	38	5653114	300132
19	5655745	315043	39	5657407	307286
20	5655001	314799	40	5656205	317297

Deposit #	Name	Tonnes/Grade	Status
1	San Antonio Mine	4 059 580.9 2g Au	Closed
2	Poundmaker	12.4 kg Au (total production)	Closed
28	Grand Central	0.93 kg Au (total production)	Closed

SYMBOLS

GEOLOGICAL SYMBOLS

- Geological boundary
- Fault
- Anticline
- Syncline
- Geophysical conductor
- Area encompassed by Mineral Deposit File

TOPOGRAPHIC SYMBOLS

- Provincial Road
- Logging Road
- Trail

Mineral Deposit interpretation and compilation by

P. Theyer

Scale 1:50 000

KILOMETRES 0 1 2 3 4 5 KILOMETRES

MDS MAP NO. 18 (1994)
MINERAL DEPOSITS AND OCCURRENCES
IN THE BISSETT AREA (52M/4)
MANITOBA

To accompany Report No. 18 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
- AuCuZn 1

1 Occurrence location and reference number

Mineral deposit

Mineral occurrence

Immediate host rock to mineralization

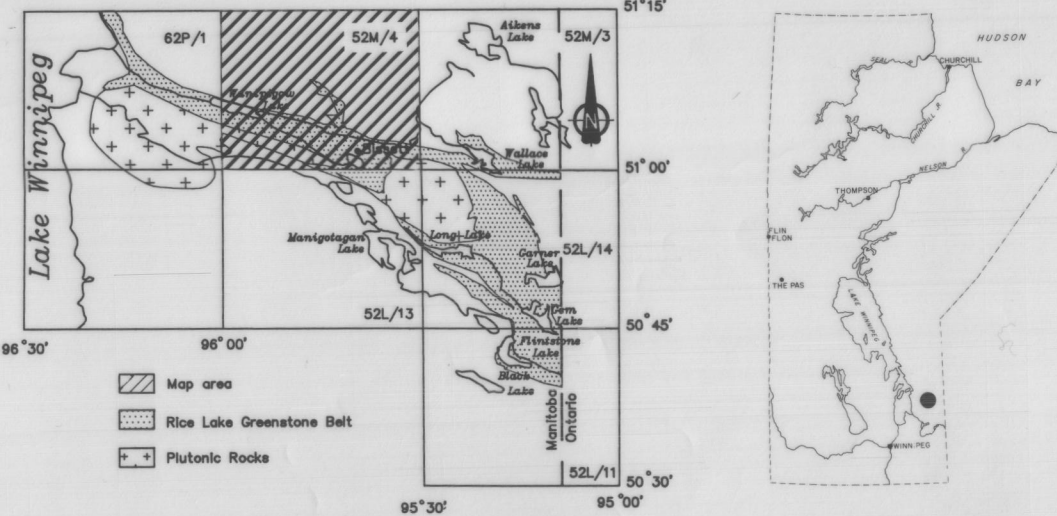
Type of mineralization

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



The base for this map is taken from map sheet N. T. S. Map 52M/4-1970. Her Majesty the Queen in Right of Canada with permission of Energy, Mines and Resources Canada.

The magnetic declination at the centre of the map is approximately 4°22' East (1992) and is decreasing by 7.7' West annually.