

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 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 1:25,000 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 whenever 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.

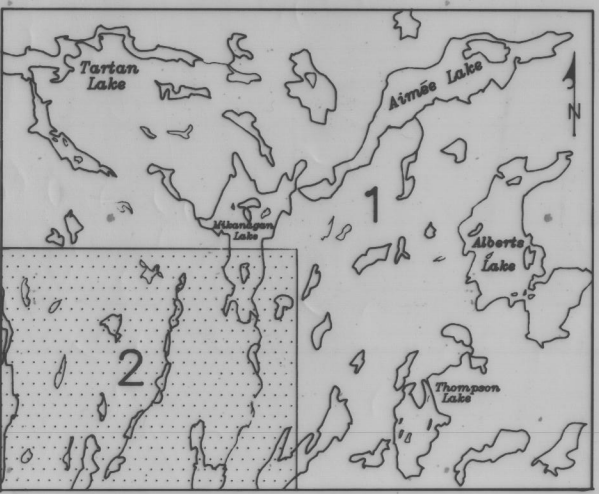
GEOLOGICAL LEGEND

- 8** Felicit intrusions  
a) Medium to coarse grained  
b) Porphyritic
- 7** Mafic intrusions gabbro, diorite, quartz diorite
- MISSI GROUP**  
a) Sandstone  
b) Conglomerate
- AMISK GROUP**  
a) Greywacke, siltstone, mudstone  
b) Volcanic conglomerate
- 3** Felicit volcanic rocks  
a) Flows, breccia and tuffs  
b) Intrusive complex (dykes and sills)
- Mafic to intermediate fragmental volcanic rocks and related sediments  
a) Coarse grained  
b) Fine grained
- Mafic to intermediate volcanic flows, related breccia and intrusions

SYMBOLS

- GEOLOGIC SYMBOLS**  
Geological boundary  
Fault  
Geophysical conductor  
Area encompassed by Mineral Deposit File
- TOPOGRAPHIC SYMBOLS**  
Marsh, swamp  
Rock, island, reef  
Contour  
Spot elevation  
Road

GEOLOGICAL MAP SOURCE



Geological base map derived or modified from:  
1. Bateman, J.D. and Harrison, J.M. 1945. Mikanagan Lake. Map 322A. 1 inch equals 1 mile. Geological Map, Geological Survey of Canada, Ottawa.  
2. Bailey, A.H. and Syme, E.C. 1987. Geology of The Flin Flon-White Lake Area. Manitoba Energy and Mines, Geological Services Branch, Geological Map GR87-1-1.

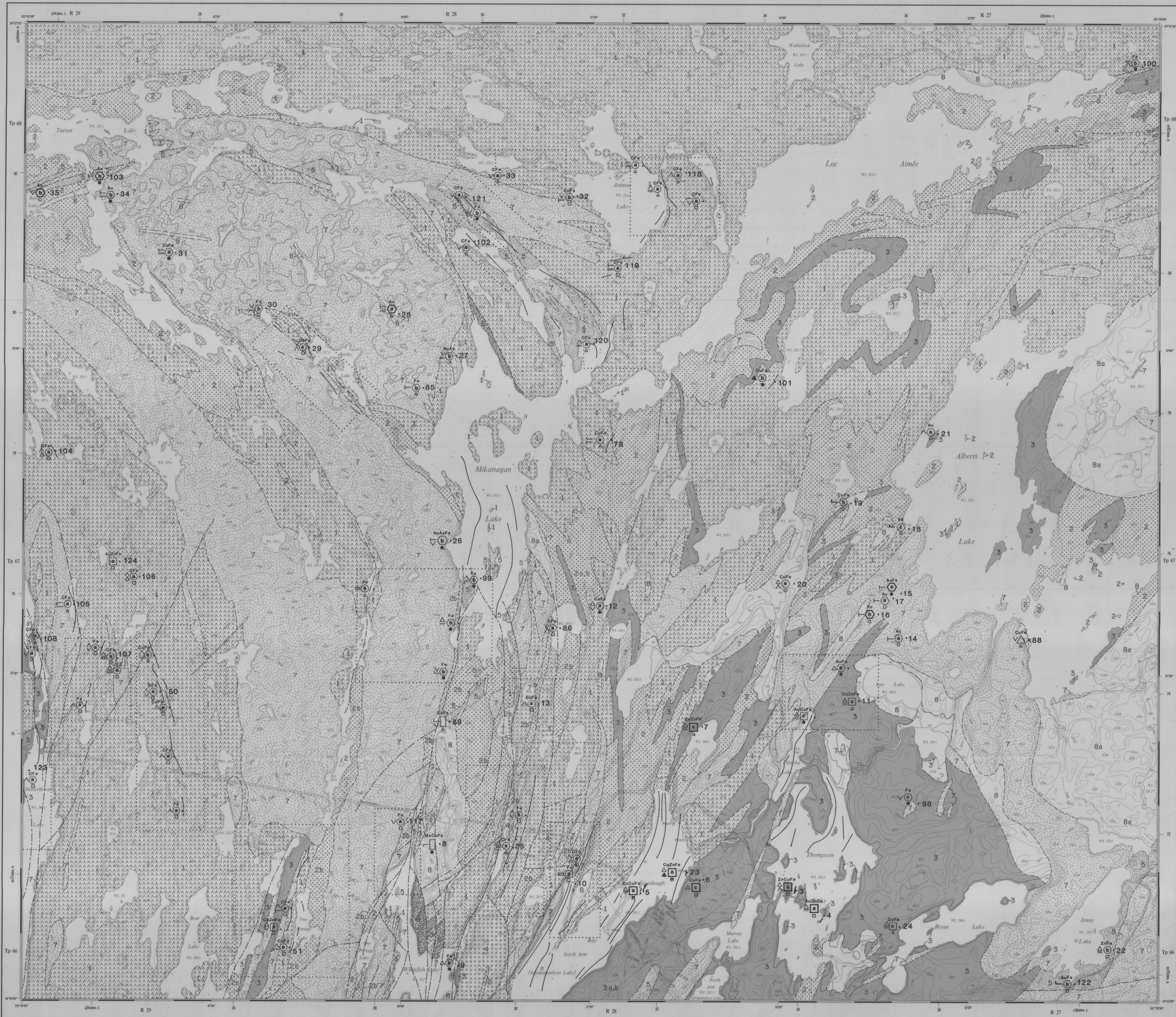
U.T.M. ZONE 14 COORDINATES FOR MINERAL DEPOSITS/OCCURRENCES

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)
3	6071374	334021	32	6081372	331242
4	6071303	334021	33	6081702	332020
5	6071442	331847	34	6081629	324738
6	6071576	332706	35	6081990	322702
7	6073758	332703	50	6074585	329283
8	6072219	329194	51	6077189	328911
9	6070472	329195	78	6077890	331808
10	6071446	330651	79	6077895	329953
11	6074040	334907	86	6075221	330793
12	6075171	331466	87	6077811	331443
13	6074158	330454	89	6073949	329184
14	6074171	330466	89	6073949	329184
15	6075551	335637	99	6073989	329194
16	6075263	335300	100	6082842	338332
17	6075480	335319	101	6078538	333845
18	6075457	335773	102	6080782	339774
19	6076852	334958	103	6081901	324068
20	6075742	334124	104	6077999	323729
21	6081413	329969	105	6078910	323917
22	6070368	338490	106	6078172	324659
23	6071681	330584	107	6077022	324501
24	6070804	335463	108	6075325	323438
25	6072728	330020	117	6075747	336848
26	6076510	329063	118	6081649	332799
27	6079187	329070	119	6080475	331873
28	6078783	328674	120	6079254	331408
29	6079340	327862	121	6081638	329766
30	6079937	326793	122	6079036	338172
31	6080773	325548	123	6079490	329716
			124	6076576	324416

MINERAL DEPOSITS

Deposit #	Name	Tonnes/Grade	Status
3	North Star	241 643 / 6.11%Cu	Producer (1945-58)
4	Don Jon	79 313 / 3.07%Cu	Producer (1955-57)
5	Prosser	400 000 / 3.07%Cu	Exploration shaft
6	Baker Patton	50 000(Est.) / 1%Cu(Est.)	Exploration shaft
7	Amulet	25 000(Est.) / 1.1%Cu / 2.9%Zn	Drilled
15	Wally	100(Est.) / 16%Cu	Exploration pit
16	Amulet Lake	400 000(Est.) / 7.30Au	Drilled
23	Cabin Zone	80 000 / 6.9%Zn / 1%Cu(Est.)	Drilled
28	Stinky	36 / 3.53Au / 6.33%Cu	Exploration shaft
35	Ruby Lake	200 / 6.7 to 8.3Au	Exploration pit
103	Tartan Lake	582 000 / 10.25Au	Producer (1964-)

\*grams per tonne



MINERAL DEPOSITS AND OCCURRENCES  
IN THE MIKANAGAN LAKE AREA  
(63K/13SE), MANITOBA.

To Accompany Report No. 1 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) Not textured  
d) Poriform

DEPOSITS WITH PORPHYRY AFFINITIES

PEGMATITE TYPE DEPOSITS

CLASTIC SEDIMENT TYPE DEPOSITS

NOT CLASSIFIED DEPOSITS

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  
□ Felicit intrusive rocks  
□ Intermediate intrusive rocks  
□ Mafic intrusive rocks  
□ Ultramafic intrusive rocks

or metamorphic equivalent

TYPE OF MINERALIZATION

(Appendage in the 9 o'clock position)

- Trace (<1%)  
● Minor (1-10%)  
▲ Disseminated (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 rock. Approximate locations indicated by an x.

1:20 000

Mineral Deposit interpretation and compilation by G.H. Gale and D.R. Eccles

Cartography by N. Barton

Scale 1:20 000

Kilometres

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