



MANITOBA MINERAL DEPOSIT SERIES

The Mineral Deposit Series is designed to provide the explorationist with an up-to-date reference with accurate geographic locations of 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 classification or keep with new developments or concepts.

The basic publication unit for the Mineral Deposit Series is 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 resides 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

PALEOZOIC

10 Ordovician dolomite

INTRUSIONS

9 Felsic intrusions

a) Tonalite

b) Quartz diorite, tonalite

c) Granodiorite

d) Rhyolitic intrusions

8 Mafic intrusions: gabbro, diorite, quartz diorite

Mafic/ultramafic intrusions

a) West arm ultramafic complex

b) Limestone Narrows layered complex

MISSI GROUP

6 Sandstone and conglomerate

AMISK GROUP

5 Greywacke, siltstone, mudstone

4 Volcanic conglomerate

Felsic volcanic rocks

a) Rhyolite flows, breccia and tuff

b) Silt island dacite

c) White Lake dacite tuff

d) Heterolithic breccia: dominantly mafic fragments

Mafic to intermediate fragmental volcanic rocks

a) Tuff, tuff breccia

b) Heterolithic breccia: dominantly mafic fragments

Mafic to intermediate volcanic rocks

a) Flow

b) Pillow fragment breccia

c) Amoebooid pillow breccia

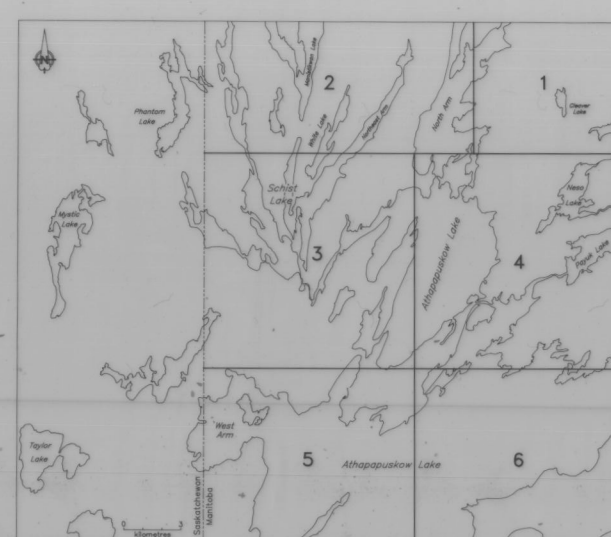
MINERAL DEPOSIT

#	NAME	TONNES/GRADE	STATUS
1	Schist Lake	1 677 813/4.21% Cu, 7.00% Zn, 1.4 g/t Au, 27 g/t Ag	Past Producer (1954-76)
2	Mandy	125 000/8.22% Cu, 11.38% Zn, 3.02 g/t Au, 60.15 g/t Ag	Past Producer (1916-19) (1943-44)
3	West Arm	Produced: 1 137 873/3.25% Cu, 1.48% Zn, 1.4 g/t Au, 15 g/t Ag Reserves: 504 454/3.53% Cu, 1.8% Zn, 1.2 g/t Au, 15 g/t Ag	Past Producer (1976-85)
4	White Lake	849 598/1.91% Cu, 4.63% Zn	Past Producer (1972-83)
5	Cypress	462 000/3.24% Cu, 6.42% Zn, 1.36 g/t Au, 28.0 g/t Ag	Past Producer (1948-54)
6	Centennial	1 624 550/1.41% Cu, 2.48% Zn, 0.046 g/t Au, 0.59 g/t Ag	Past Producer (1977-83)
7	Sourdough Bay	291 150/1.46% Cu, 1.71% Zn, 1.53 g/t Au, 29.839 g/t Ag	Past Producer (1985-88) Exploration
10	Copper Reef	500 000/1.5 Cu, 0.5% Zn	Exploration
36	Billy Bay	135 707 g/t Au	Past Producer (1937)

UTM COORDINATES FOR MINERAL DEPOSITS/OCCURRENCES

MINERAL OCCURRENCE NUMBER	UTM NORTHING (METRES)	UTM EASTING (METRES)	MINERAL OCCURRENCE NUMBER	UTM NORTHING (METRES)	UTM EASTING (METRES)
1	606875	318003	47	6051403	328955
2	6067818	317666	48	6050527	329056
3	6058577	318982	49	6047961	318028
4	6054505	320741	50	605613	320063
5	6066565	325093	51	6052706	318296
6	6064870	326389	52	6065428	321540
7	6067175	326472	53	6068006	323919
8	6068945	327523	54	6069022	326533
9	6068704	328130	55	6064976	333744
10	6064943	332775	56	6064025	338750
11	6068184	331759	57	6059111	325287
12	6069057	320251	58	6068231	335551
13	6065210	318241	59	6067220	334813
14	6059784	319276	60	6060712	318285
15	6055924	321048	61	6064065	316780
16	6063353	318550	62	6068051	319215
17	6065126	319854	63	6069890	319225
18	6070133	321022	64	6061326	322442
19	6068476	320428	65	6068040	318447
20	6067985	321361	66	6057841	319118
21	6067634	320712	67	6057714	320228
22	6062811	318908	68	6057167	321255
23	6061865	320216	69	6057807	322440
24	6067507	319900	70	6069268	321990
25	6062521	321168	71	6063965	323857
26	6067034	333930	72	6066249	328840
27	6067091	334769	73	6060346	320810
28	6066503	333535	74	6063833	329456
29	6065994	333182	75	6048869	325441
30	6065154	334403	76	6062200	328979
31	6065954	332768	77	6042050	326247
32	6059830	336479	78	6062172	326047
33	6062487	325642	79	6057898	327683
34	6061002	330566	80	6054428	331419
35	6059486	331130	81	6065217	331737
36	6057690	331549	82	6055722	322385
37	6057256	331140	83	6054527	320908
38	6058515	337110	84	6050422	318403
39	6060905	336212	85	6048837	319389
40	6059300	334898	86	6052276	321783
41	6051005	333981	87	6043672	318205
42	6052588	332907	88	6053393	325836
43	6052412	332246	89	6055955	326028
44	6047205	334971	90	6053615	325604
45	6063328	336509	91	6048470	320214
46	6052689	327527	92	6045012	329718

GEOLOGICAL MAP SOURCE



Geology base map derived or modified from:

1. Buckham, A.F.
1944. Athapapuskow Lake, Manitoba; Geological Survey of Canada, Map 807A, 1:63 360.
2. Bailey, A.H. and Syme, E.C.
1967. Geology of the Fin Flon-White Lake Area; Manitoba Energy and Mines, Geological Map G1887-1, 1:20 000.
3. Syme, E.C.
1988. Schist Lake (part of NTS 63K/12); Manitoba Energy and Mines, Geological Services, Preliminary Map Number 1988F-1, 1:15 840.
4. Syme, E.C.
1988. Baker's Narrows (part of NTS 63K/12); Manitoba Energy and Mines, Geological Services, Preliminary Map Number 1988F-2, 1:15 840.
5. Syme, E.C.
1988. West Arm (part of NTS 63K/12); Manitoba Energy and Mines, Geological Services, Preliminary Map Number 1988F-3, 1:15 840.
6. Syme, E.C.
1988. Millwater (part of NTS 63K/12); Manitoba Energy and Mines, Geological Services, Preliminary Map Number 1988F-4, 1:15 840.

Mineral Deposit interpretation and compilation by
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Cartography by D.R. Eccles, J.Morales and J.Burns

MDS MAP NO. 11

MINERAL DEPOSITS AND OCCURRENCES IN THE SCHIST LAKE AREA (NTS 63K/12) MANITOBA

To accompany Report No. 11 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) 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 (>75%) to solid (>75%)

Near solid to solid stratified

Near solid to solid zoned

* by volume

EXPLANATION OF MINERAL DEPOSIT
AND OCCURRENCE SYMBOLS

AuCuZn

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 SERIES

