

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 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/3SE), location numbers may not be consecutive and intervening numbers will be found on the remaining portions of that NTS map sheet (e.g. 63K/3SW). Where the density of data warrants the publication of a 1:100 000 map sheet (e.g. 64B/SE), location numbers are consecutive within each 1:50 000 area.

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

- PRECAMBRIAN**
- PALEO PROTEROZOIC**
- INTRUSIVE ROCKS**
- 9 Pink granitic pegmatite
- 8 Felsic intrusive rocks: monzogranite, tonalite
- 6 Massive intermediate to ultramafic amphibolite
- Felsic to intermediate intrusive units
- a) tonalite, granodiorite, gneiss
- b) metadiorite, mesocratic hornblende-biotite gneiss
- MISSI METAMORPHIC SUITE**
- 5a) intermediate feldspar-quartz gneiss ± biotite ± hornblende  
magnetite ± muscovite ± epidote-quartz layers
- b) pink felsic gneiss
- c) metacompact, banded gneiss, quartz-rich  
quartzofeldspathic gneiss ± pebbles
- d) amphibolite, intermediate gneiss
- SHERIDON METAMORPHIC SUITE**
- 4- a) quartzofeldspathic gneiss, commonly quartz-rich, ± garnet ± hornblende  
b) layered or massive amphibolite, intermediate gneiss  
c) calc-silicate, calcareous gneiss, marble  
d) garnet ± anthophyllite ± cordierite porphyroblastic gneiss  
e) quartz-feldspar-garnet-biotite migmatite ± cordierite ± sillimanite  
f) garnet-biotite gneiss
- AMPHIBOLITES AND ASSOCIATED ROCKS**
- a) amphibolite ± garnet ± diopside ± calcite, calc-silicate gneiss  
± carbonate layers, ± hornblende-diopside-rich gneiss
- b) garnet-hornblende-biotite-feldspar-quartz gneiss
- c) rusty biotite-diopside-quartz gneiss ± pyroxene ± pyrite layers or lenses  
of plagioclase-hornblende-pyrite ± chlorite ± calcite
- BURNTHOOD RIVER METAMORPHIC SUITE**
- 2- Biotite-feldspar-quartz paragneiss and/or metateixe ± sillimanite  
± graphite ± garnet ± pyrite ± cordierite
- AMISK GROUP**
- 1- Metabasalt, amphibolite, metagabbro ± felsic gneiss, metadiorite

SYMBOLS

- GEOLOGICAL SYMBOLS**
- Geological contact
- Geophysical conductor
- Fault
- TOPOGRAPHIC SYMBOLS**
- Roads (gravel, trail)
- Railway
- Power transmission line

GEOLOGICAL MAP SOURCE

Geological base derived from:

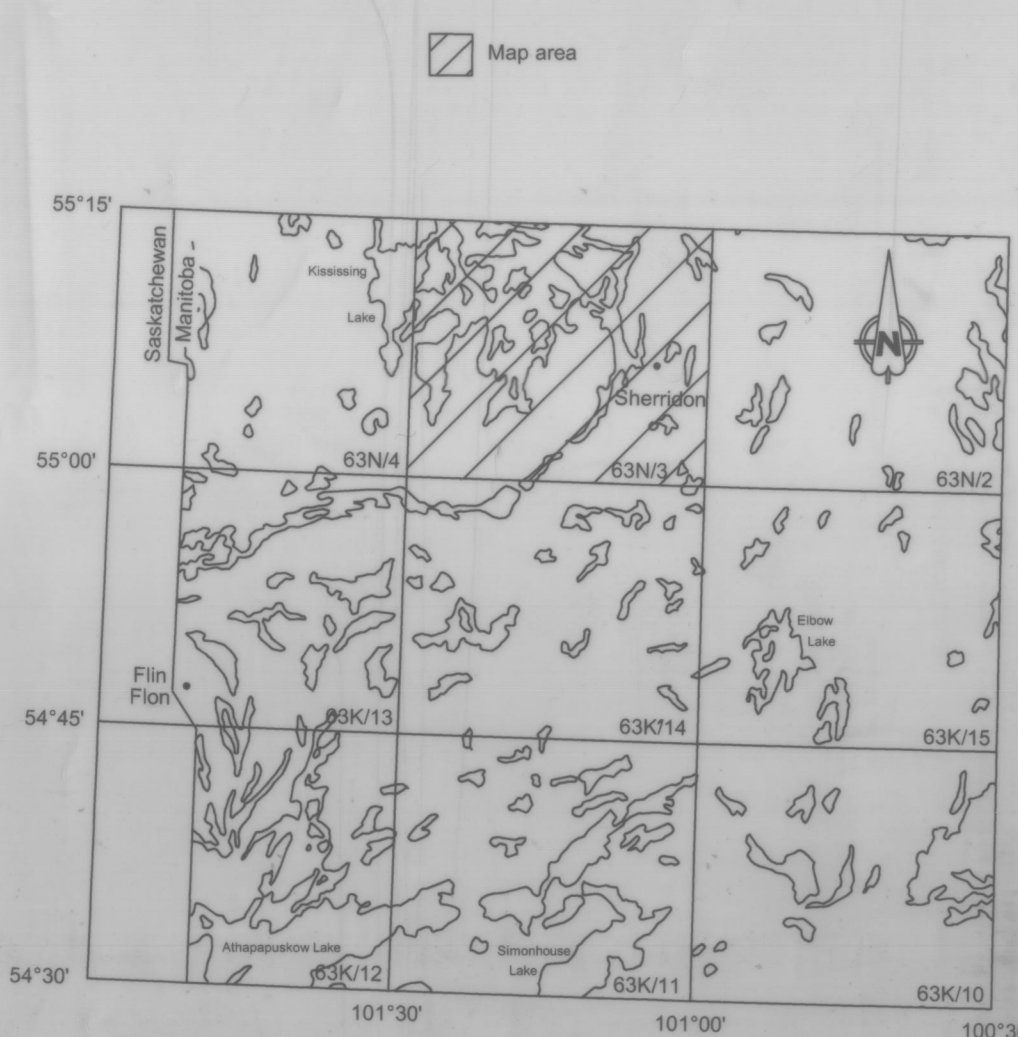
Schledewitz, D.C.P.  
1988. Kissing Lake, Manitoba Energy and Mines.  
Preliminary Map 1988K-1, scale 1:50 000.

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	611178	365584	40	611952	363339
2	611435	369854	41	6119107	347842
3	611747	368445	42	611908	347842
4	611503	368591	43	611954	347834
5	611430	368585	44	611754	351752
6	611413	361504	45	611763	351276
7	611069	368545	46	611750	351276
8	611296	365178	47	611831	352090
9	611378	365178	48	611832	352107
10	611407	365415	49	611832	352107
11	611408	365223	50	611822	350479
12	611546	365385	51	611822	350479
13	611517	365917	52	611822	350479
14	611517	365454	53	611822	350479
15	611780	365631	54	612142	348506
16	611780	365631	55	612142	348506
17	611780	365631	56	612142	348506
18	611780	365631	57	612142	348506
19	611780	365631	58	612142	348506
20	611780	365631	59	612142	348506
21	611780	365631	60	612142	348506
22	611780	365631	61	612142	348506
23	611780	365631	62	612142	348506
24	611780	365631	63	612142	348506
25	611780	365631	64	612142	348506
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30	611780	365631	69	612142	348506
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33	611780	365631	72	612142	348506
34	611780	365631	73	612142	348506
35	611780	365631	74	612142	348506
36	611780	365631	75	612142	348506
37	611780	365631	76	612142	348506
38	611780	365631	77	612142	348506
39	611780	365631	78	612142	348506
40	611780	365631	79	612142	348506

MINERAL DEPOSIT MAP SERIES

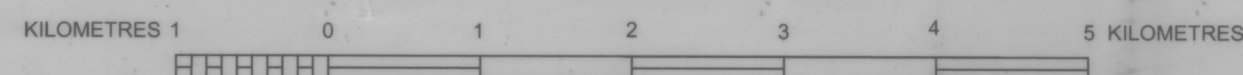
INDEX MAP



The base for this map is taken from map sheet N.T.S. Map 63N/3 1972. Her Majesty the Queen in Right of Canada with permission of Energy, Mines and Resources Canada.

Mineral Deposit interpretation and compilation by  
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Cartography by B.K. Lenton and L. Chackowsky

Scale 1:50 000



MDS MAP NO. 17  
MINERAL DEPOSITS AND OCCURRENCES  
IN THE SHERRIDON AREA (NTS 63N/3)  
MANITOBA

To accompany MDS Report No. 17 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
- MAGMA-TOGENIC TYPE DEPOSITS ASSOCIATED WITH MAGFIC/LAMFIC TRAFIC 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 6 clock position)

- ▲ Rhyolitic volcanic rock
- ▲ Basaltic volcanic rock
- ▲ Intermediate volcanic rock
- ▲ Ultramafic volcanic rock
- ▲ Chert, cherty rock
- ▲ Sericitic schist
- ▲ Chloritic schist
- ▲ Shale, slate, phyllite
- ▲ Sandstone, siltstone
- ▲ Greywacke
- ▲ Quartzite
- ▲ Calc-silicate-rich rocks (metasediments, dolomites)
- ▲ Chemical sediments
- ▲ Breccia
- ▲ Conglomerate
- ▲ Felsic intrusive rock
- ▲ Intermediate intrusive rock
- ▲ Mafic intrusive rock
- ▲ Ultramafic intrusive rock
- \* or metamorphic equivalent

TYPE OF MINERALIZATION  
(Appendage in the 6 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)

The magnetic declination at the centre of the map is approximately 15°00' East (1980) and is decreasing by 16.7 annually.

