Manitoba
Energy and Mines

MDS MAP NO. 7 (1989)

MINERAL DEPOSITS AND OCCURRENCES IN THE TRAMPING LAKE (63K/9) AREA, MANITOBA

To accompany Report No. 7 of the Mineral Deposit Services

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 graphitic 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

PALEOZOIC

- Dolomitic limestone

PRECAMBRIAN

- Felsic plutonic intrusions
  a) Medium to coarse grained
  b) Fine grained
  c) Porphyritic
- Mafic intrusions
- Sandstone and conglomerate
  a) Sandstone
  b) Conglomerate
- Greywacke, siltstone, mudstone
- Felsic volcanic rocks
- Mafic to intermediate volcanic rock and related sedimentary rocks

SYMBOLS

GEOLOGICAL SYMBOLS

- Geological boundary
- Fault
- Geophysical conductor strong, moderate, weak
- Area encompassed by Mineral Deposit File

TOPOGRAPHIC SYMBOLS

- Marsh, swamp
- Rock, island, reef
- 950 Contour
- Road
- Trail
- Winter road
- Provincial park boundary
- Borrow pit

GEOLOGICAL MAP SOURCE

Geological base map derived from:

Stanton, M.
1945: Tramping Lake, Manitoba; Geological Survey of Canada, Map 906A, Scale 1:63 360

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	6048317	409356	24	6062022	427758
2	6053494	403829	25	6066345	421642
3	6060782	410951	26	6047484	432253
4	6060146	411853	27	6052686	411908
5	6059739	411556	28	6043846	419722
6	6061832	411037	29	6047687	419518
7	6060845	409963	30	6047993	417600
8	6059378	413918	31	6050904	416757
9	6058663	411362	32	6043353	414006
10	6061930	429320	33	6049403	406079
11	6067125	432714	34	6047931	412986
12	6058623	415768	35	6040507	417782
13	6055479	410845	36	6052396	405058
14	6057822	404789	37	6060215	404876
15	6056651	414373	38	6065235	403419
16	6063201	409197	39	6055535	412590
17	6060097	418326	40	6050842	404008
18	6058704	419364	41	6061028	431903
19	6062745	405820	42	6063442	435104
20	6065457	414954	43	6065180	405440
21	6067045	413850	44	6068175	422625
22	6061619	425065	45	6065000	421650
23	6065850	428888			

MINERAL DEPOSITS

Deposit #	Name	Tonnes/Grade	Status
1	Spruce Point	616 000/2.7% Cu, 4.3% Zn	Production (1982-)

Mineral Deposit interpretation and compilation by

K.J. Ferreira and M.A.F. Fedikow

Cartography by E. Truman

Scale 1:50 000

KILOMETRES 1 0 1 2 3 4 5 KILOMETRES

410000 m. E. — 430000 m. E. — 6060000 m. N. — 6040000 m. N.

The base for this map is taken from map sheet N.T.S. Map 63K/9- 1984. 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 10°18' East (1989) and is decreasing by 10.4' annually.

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