

MANITOBA MINERAL DEPOSIT SERIES

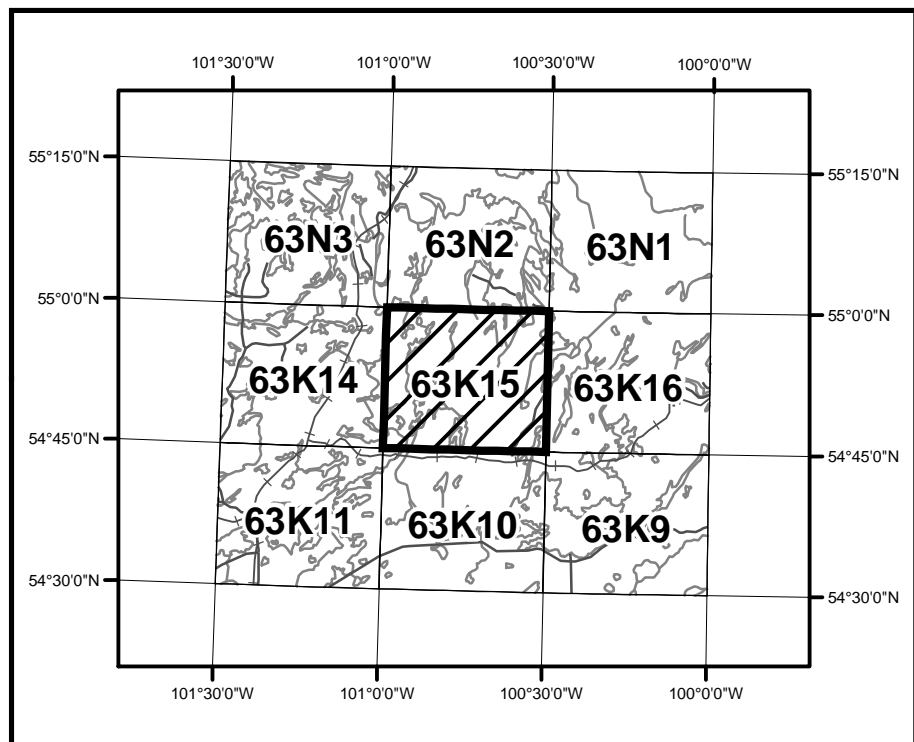
The Mineral Deposit Series is designed to provide the explorationist with an up-to-date reference and accurate geographic locations for known mineralization within the province. A descriptive classification of the mineralization into deposit types will assist mineral explorationists in the formulation 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., 63K13SE), location numbers may not be consecutive and intervening numbers will be found on the remaining portions of that NTS map sheet (e.g., 63K13SW).

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, drillhole and trench locations and wherever possible detailed geological maps of the property. The database used to derive the reports will reside in active mineral deposit files in the possession of the mineral deposit geologists at the Manitoba Geological Survey. The 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, Manitoba Geological Survey.

UTM COORDINATES FOR MINERAL DEPOSITS AND OCCURRENCES					
MINERAL OCCURRENCE NUMBER	UTM EASTING (METRES)	UTM NORTHING (METRES)	MINERAL OCCURRENCE NUMBER	UTM EASTING (METRES)	UTM NORTHING (METRES)
1	377400	6072015	85	377400	6082625
2	377990	6072645	86	375670	6088315
3	376880	6075125	87	377580	6077325
4	383320	6076525	88	386930	6082775
5	383850	6077625	89	376725	6088465
6	380450	6077845	90	380750	6081955
7	379785	6078230	91	381470	6080325
8	379550	6077385	92	384920	6090095
9	381110	6079935	93	376980	6080655
10	380530	6079635	94	376780	6080535
11	379170	6080245	95	376450	6080335
12	379510	6080355	96	376710	6080175
13	379870	6080605	97	376450	6079930
14	381120	6080475	98	376210	6079795
15	380930	6081305	99	376210	6079275
16	381890	6081775	100	384760	6090345
17	381560	6082085	101	378230	6080385
18	380230	6082085	102	378140	6079755
19	379750	6081875	103	377470	6077415
20	379410	6081915	104	378005	6077590
21	381880	6082225	105	385400	6089445
22	380490	6085635	106	382030	6085200
23	380220	6085155	107	379800	6075995
24	379430	6085745	108	378880	6078125
25	378500	6079735	109	379610	6081115
26	377830	6080355	110	380160	6078085
27	377260	6080685	111	382010	6079185
28	375525	6079595	112	382030	6078815
29	375755	6079620	113	383070	6078515
30	375450	6080725	114	383530	6078155
31	375640	6080685	115	384360	6078775
32	375610	6080465	116	374760	6076015
33	378230	6082815	117	378730	6080275
34	377360	6082055	118	375740	6077125
35	377750	6082305	119	375490	6070785
36	377620	6083335	120	375290	6069745
37	379100	6083625	121	386890	6075785
38	378840	6077970	122	387120	6075415
39	400320	6078935	123	387470	6075105
40	400490	6078725	124	378970	6077375
41	400450	6078465	125	402885	6070995
42	400670	6078225	126	403340	6071825
43	400350	6077735	127	398970	6092495
44	400670	6077565	128	400210	6092375
45	400080	6077425	129	399970	6092275
46	400780	6076675	130	398900	6092145
47	399800	6076455	131	400470	6091905
48	399770	6075755	132	400740	6071575
49	400440	6075685	133	401000	6091305
50	399950	6075595	134	401480	6090980
51	398530	6075105	135	401920	6090405
52	399780	6077345	136	400490	6072435
53	399560	6076575	137	397390	6089255
54	399760	6077225	138	398570	6090255
55	394410	6085375	139	398860	6090455
56	379060	6072345	140	399190	6090215
57	374090	6094935	141	400710	6089645
58	384475	6089830	142	396520	6087905
59	384880	6089185	143	396520	6087615
60	385510	6089525	144	401860	6088170
61	385350	6089665	145	402000	6087835
62	383205	6087390	146	402710	6088235
63	382970	6087205	147	403010	6087505
64	382580	6087215	148	399770	6088145
65	382350	6086875	149	399760	6087435
66	382130	6086610	150	399680	6087305
67	379440	6086175	151	379725	6077935
68	380260	6086105	152	398550	6086235
69	380030	6085895	153	398690	6086615
70	380255	6085595	154	398280	6086455
71	381720	6085710	155	398755	6085290
72	377810	6076955	156	378565	6077880
73	381640	6084515	157	398670	6086225
74	381370	6084605	158	398630	6085885
75	380850	6084625	159	399890	6085635
76	399670	6079345	160	399740	6085515
77	380530	6084645	161	399290	6085335
78	380550	6084735	162	398900	6084685
79	379990	6084265	163	398230	6084895
80	379765	6084305	164	399430	6084975
81	379510	6083265	165	398900	6084975
82	377750	6077120	166	380780	6075165
83	375550	6087465	167	386650	6072950
84	381400	6084145			

The geology for this map is from:
NATMAP Shield Margin Project Working Group 1998. Geology, NATMAP Shield Margin Project Area (Flin Flon Belt), Manitoba - Saskatchewan, Geological Survey of Canada Map 1963A, Manitoba Energy and Mines Map A-98-2, sheets 1 to 7, Saskatchewan Energy and Mines Map 258A-2, scale 1:100 000.

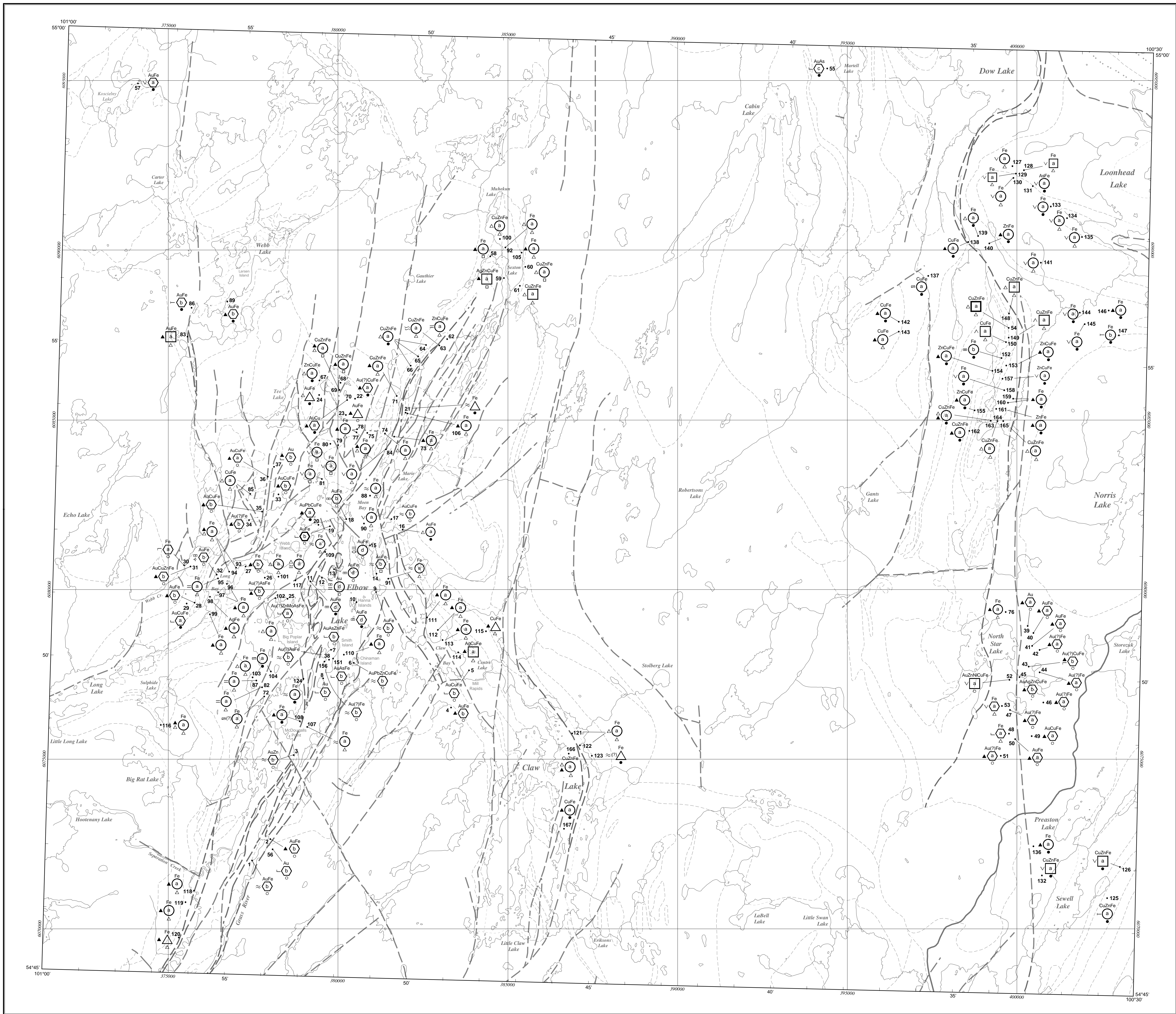
INDEX MAP



MDS MAP No. 30-2

MINERAL DEPOSITS AND OCCURRENCES IN THE ELBOW LAKE AREA, MANITOBA (NTS 63K15)

To accompany Report No. 30 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 DEPOSIT
- 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
- Mafic phyllonite
- Greywacke
- Quartzite
- Calc-silicate-rich rocks (limestone, dolomite)
- Chemical sediments
- Breccia
- Conglomerate
- Felsic intrusive rocks
- Intermediate intrusive rocks
- Mafic intrusive rocks
- Ultramafic intrusive rocks
- Felsic phyllonite

*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

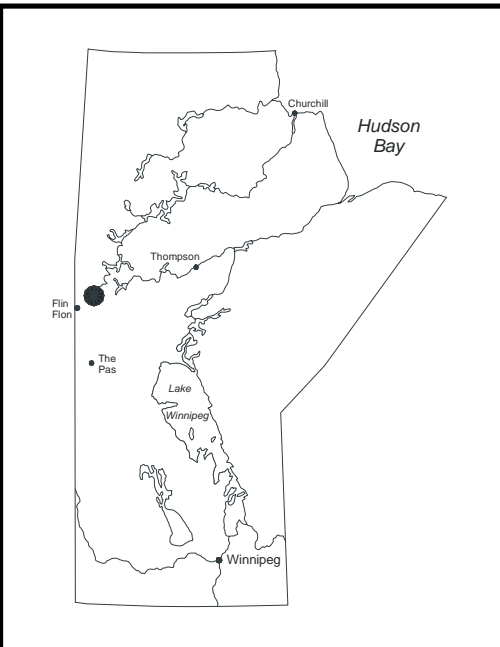
EXPLANATION OF MINERAL DEPOSIT AND OCCURRENCE SYMBOLS

- 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.

LOCATION MAP



Mineral deposit interpretation and compilation by: T.H. Heine

Cartography by: M.E. McFarlane

Published by Manitoba Industry, Trade and Mines, Manitoba Geological Survey, 2003

Suggested reference:
Heine, T.H. 2003: Mineral deposits and occurrences in the Elbow Lake area, Manitoba, NTS 63K15; Manitoba Industry, Trade and Mines, Manitoba Geological Survey, Mineral Deposit Series Report No. 30, 378 p. plus 2 maps at 1:50 000.