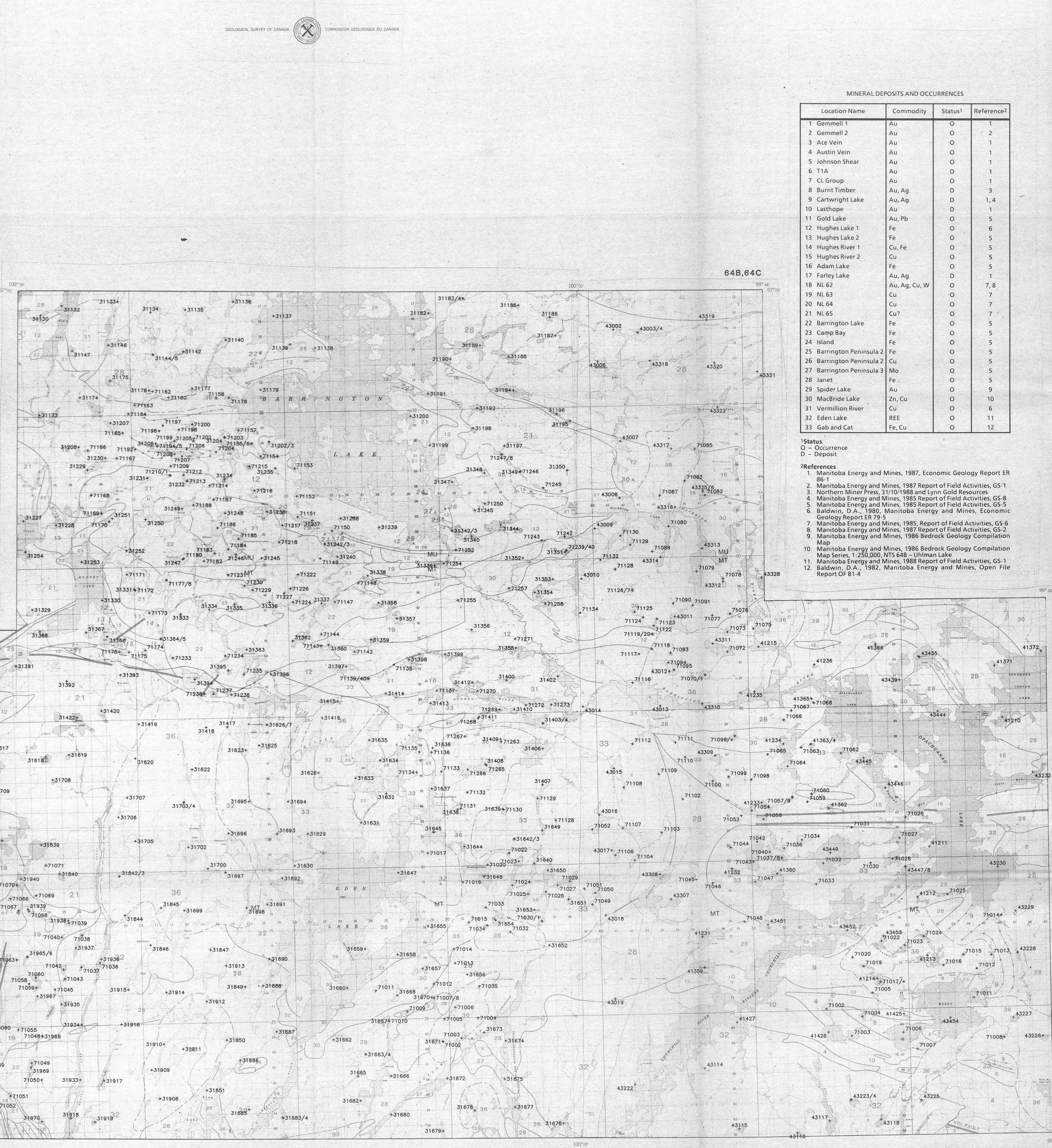
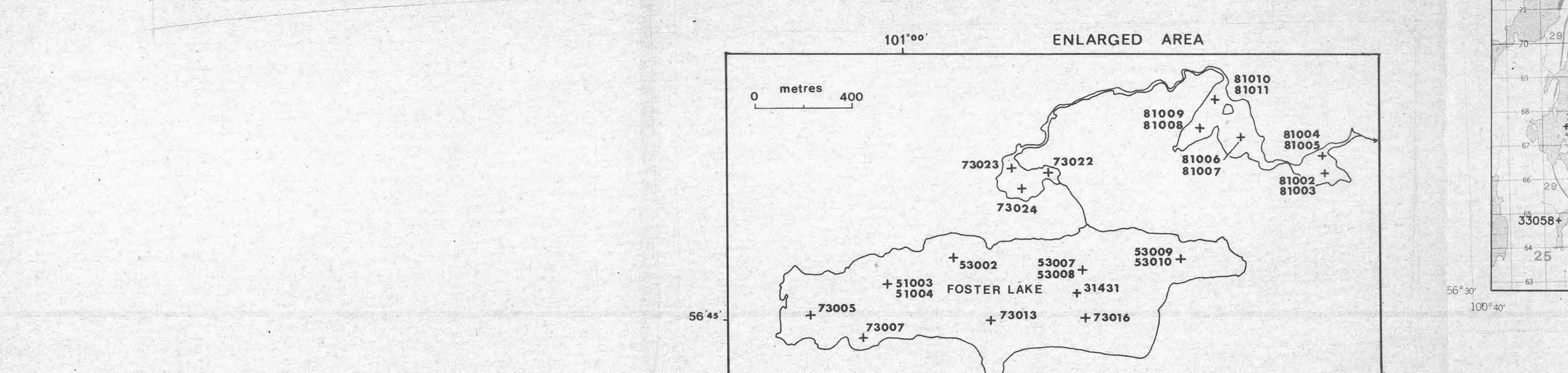
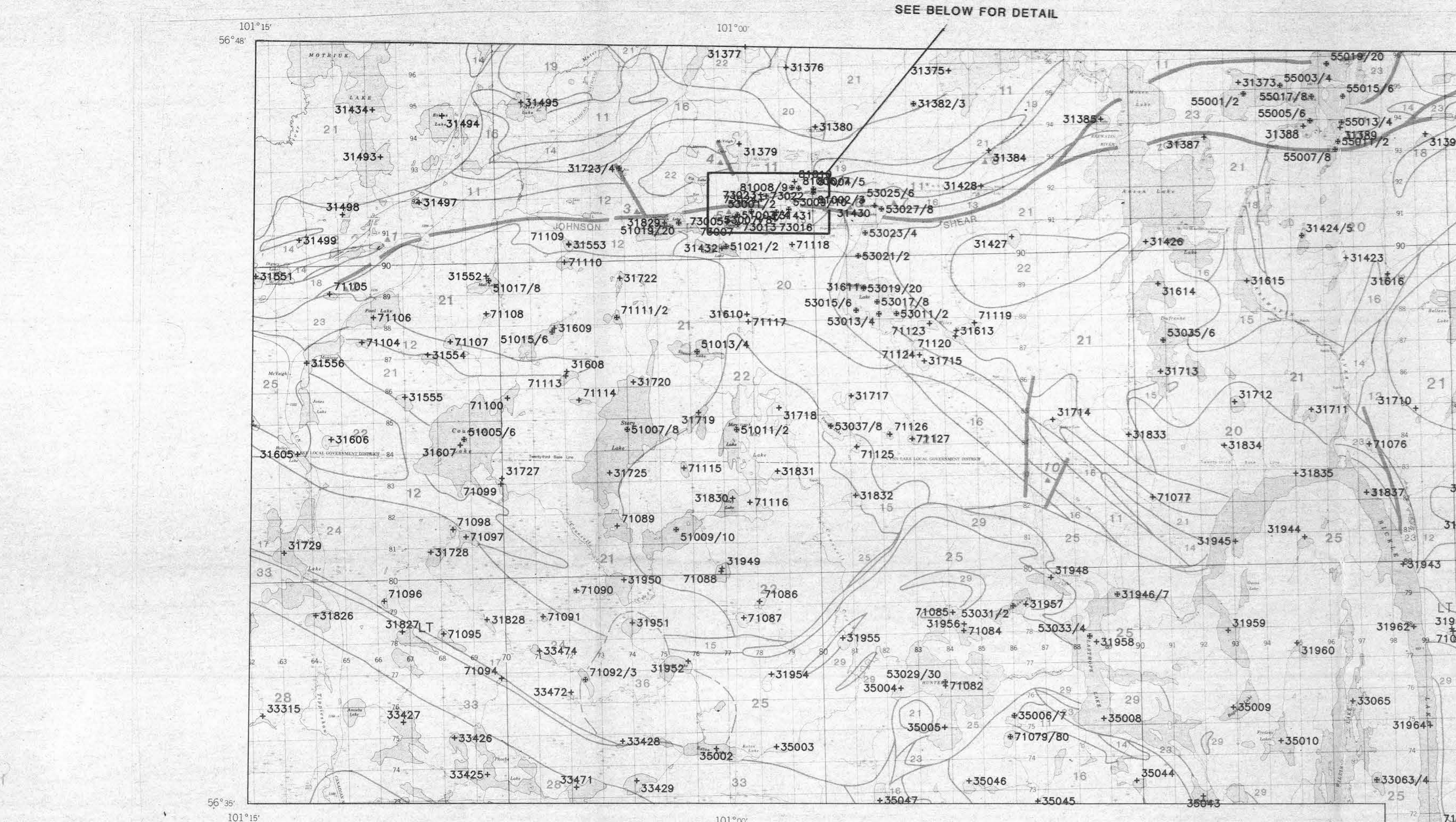


SURFICIAL GEOLOGY LEGEND		SYMBOLS	
8 ORG*	Organic deposits: marsh, fen, bog, and swamp characterized by seasonal flooding, 1 - 5 m thick	.....	Surficial unit contact
7 ALLV	Alluvial sediments: sand, gravel, and silt	.....	Interlobate moraine
6 MARN	Marine sediments: stratified clayey to stony silt	.....	Esker
5 GLLN	Glaciolacustrine nearshore sediments: silt, sand and clay, commonly well-sorted, up to 3 m thick	.....	Striation direction, known or inferred
4 GLLO	Glaciolacustrine offshore sediments: silt, clay and sand, well-sorted, 1 to 3 m thick	.....	Flute, drumlinoid form
3 GLF	Glacioluvial sediments: gravel, sand and silt, water-sorted, stratified, includes ice-contact stratified drift, 1 - 100 m thick	SOURCES OF INFORMATION	
2 TILL	Glacial till: primarily bedrock derived, veneer to blanket, silty to sandy, 1 - 3 m thick, may be covered by localized boulder lag	Kaszycki, C.A., and Way Noe, V.J., 1986, Surficial Geology of Granville Lake - Manitoba, NTS 64C, Geological Survey of Canada, Open File 1258, 1:100,000	
1 ROCK	Bedrock: predominantly exposed bedrock, commonly with a thin cover of till or organic material	Kaszycki, C.A., and Way Noe, V.J., 1989, Surficial Geology of Lynx Lake - Manitoba, NTS 64B, Geological Survey of Canada, Open File in preparation, 1:100,000	
Note: Units 6 and 7 may occur in the survey area but are not indicated because of limited areal extent		Kaszycki, C.A., and Difabio, R.M.W., 1986, Surficial geology and till geochemistry, Lynx Lake - Leaf Rapids region, Manitoba, in Current Research, Part B, Geological Survey of Canada, Paper 86-1B, p. 245-256	
* A three or four character mnemonic code entered as part of the field data			



SAMPLE LOCATION LAKE SEDIMENTS AND LAKE WATERS	
GSC OPEN FILE 1959 NORTHWEST MANITOBA, 1989 Part of NTS 64B, 64C	
MINERAL DEPOSITS AND OCCURRENCES	
Location Name	Commodity
1 Gemmell 1	Au
2 Gemmell 2	Au
3 Ace Vein	Au
4 Austin Vein	Au
5 Johnson Shear	Au
6 T1A	Au
7 CL Group	Au
8 Burnt Timber	Au, Ag
9 Cartwright Lake	Au, Ag
10 Lasthope	Au
11 Gold Lake	Au, Pb
12 Hughes Lake 1	Fe
13 Hughes Lake 2	Fe
14 Hughes River 1	Cu, Fe
15 Hughes River 2	Cu
16 Adam Lake	Fe
17 Farley Lake	Au, Ag
18 NL 62	Au, Ag, Cu, W
19 NL 63	Cu
20 NL 64	Cu
21 NL 65	Cu
22 Barrington Lake	Fe
23 Camp Bay	Fe
24 Island	Fe
25 Barrington Peninsula 2	Fe
26 Barrington Peninsula 2	Cu
27 Barrington Peninsula 3	Mo
28 Janet	Fe
29 Spider Lake	Au
30 MacBride Lake	Zn, Cu
31 Vermilion River	Cu
32 Eden Lake	REE
33 Gab and Cat	Fe, Cu
Status O - Occurrence D - Deposit	
References 1. Manitoba Energy and Mines, 1987, Economic Geology Report ER 86-1 2. Manitoba Energy and Mines, 1987, Report of Field Activities, GS-1 3. Northern Miner Press, 1978, 1980 and 1981 Gold Resources 4. Manitoba Energy and Mines, 1985, Report of Field Activities, GS-8 5. Manitoba Energy and Mines, 1985, Report of Field Activities, GS-5 6. Baldwin, D.A., 1980, Manitoba Energy and Mines, Economic Geology Report ER 79-1 7. Manitoba Energy and Mines, 1985, Report of Field Activities, GS-6 8. Manitoba Energy and Mines, 1987, Report of Field Activities, GS-2 9. Manitoba Energy and Mines, 1986, Bedrock Geology Compilation Map Series, 1:250,000, NTS 64B - Uthman Lake 10. Manitoba Energy and Mines, 1986, Bedrock Geology Compilation Map Series, 1:250,000, NTS 64C - Uthman Lake 11. Manitoba Energy and Mines, 1988, Report of Field Activities, GS-12 12. Baldwin, D.A., 1982, Manitoba Energy and Mines, Open File Report OF 81-4	
LEGEND	
QUATERNARY	
36 Q	Unconsolidated glacial sediments
PRECAMBRIAN	
35 X	Pegmatite
34 EZ	Aegirine-augite monzonite
33 G	Granite, megacrystic to seriate porphyritic
32 GA	Granodiorite, seriate porphyritic to hornblende
31 GB	Granite, undivided
30 GC	Granodiorite, granite
29 BTD	Diorite, quartz diorite - Black Trout diorite
28 T	Tonalite, granodiorite, gneissic tonalite
27 ZM	Monzoniorite
26 D	Diorite, quartz diorite, amphibolite
LYNN LAKE DOMAIN	
SICKLE GROUP	
25 SS	Sandstone, quartzofeldspathic gneiss
24 SSH	Calcareous sandstone, hornblende-quartzofeldspathic gneiss
23 SC	Polymictic conglomerate
PLUTONIC ROCKS	
22 PG	Granite, granodiorite
21 PT	Tonalite, granodiorite - Pool Lake intrusive suite
20 PD	Diorite, quartz diorite
19 B	Gabbro, diorite
WASEKWAN GROUP	
18 C	Conglomerate
17 W	Feldspathic greywacke, conglomerate
16 WW	Volcanic sandstone, siltstone and mafic mudstone, iron formation (dotted line)
15 WA	Wasekwan Group undivided
14 WV	Rhyolite, dacite, pyroclastics
13 Wva	Andesite, porphyritic and aphyric basalt, tuff
12 Wvr	Basalt, porphyritic and aphyric, iron formation (dotted line), mafic tuff
11 Wvrb	Basalt, pillow basalt, porphyritic and aphyric basalt, mafic tuff
LEAF RAPIDS DOMAIN	
PLUTONIC ROCKS	
10 LBD	Gabbro
UNNAMED METASEDIMENTARY AND METAVOLCANIC ROCKS	
9 LRW	Greywacke, calc-silicate rock, iron formation (dotted line)
8 LRC	Polymictic conglomerate and interbedded sandstone
7 K	Chemical sedimentary rock
6 V	Aphyric pillow basalt
5 LRA	Amphibolite, includes gabbro, sedimentary and volcanic rocks
RUTTAN GROUP	
4 RVf	Mafic volcaniclastic rock, minor quartz diorite
3 RVr	Basalt, aphyric and porphyritic
SOUTHERN INDIAN DOMAIN	
2 N	Quartzofeldspathic gneiss ± hornblende, may include meta-sandstone
1 SIW	Quartz-biotite gneiss, amphibolite, migmatite
SYMBOLS	
.....	Geological boundary
.....	Area of little or no outcrop
.....	Fault, shear zone
.....	Mineral deposit or occurrence
.....	Lake sediment and water sample location
.....	Field duplicate sample site
Geology base derived from: Cameron, H.D.M., 1988, Geology of the Eden Lake Area, Manitoba Energy and Mines, Geological Report GR 84-2, 1:50,000. Manitoba Energy and Mines, 1986, Bedrock Geology Compilation Map Series, 1:250,000, NTS 64B - Uthman Lake Bedrock Geology Compilation Map Series, 1:250,000, NTS 64C - Granville Lake	
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