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GEOLOGICAL DATA INVENTORY FOLIO 601

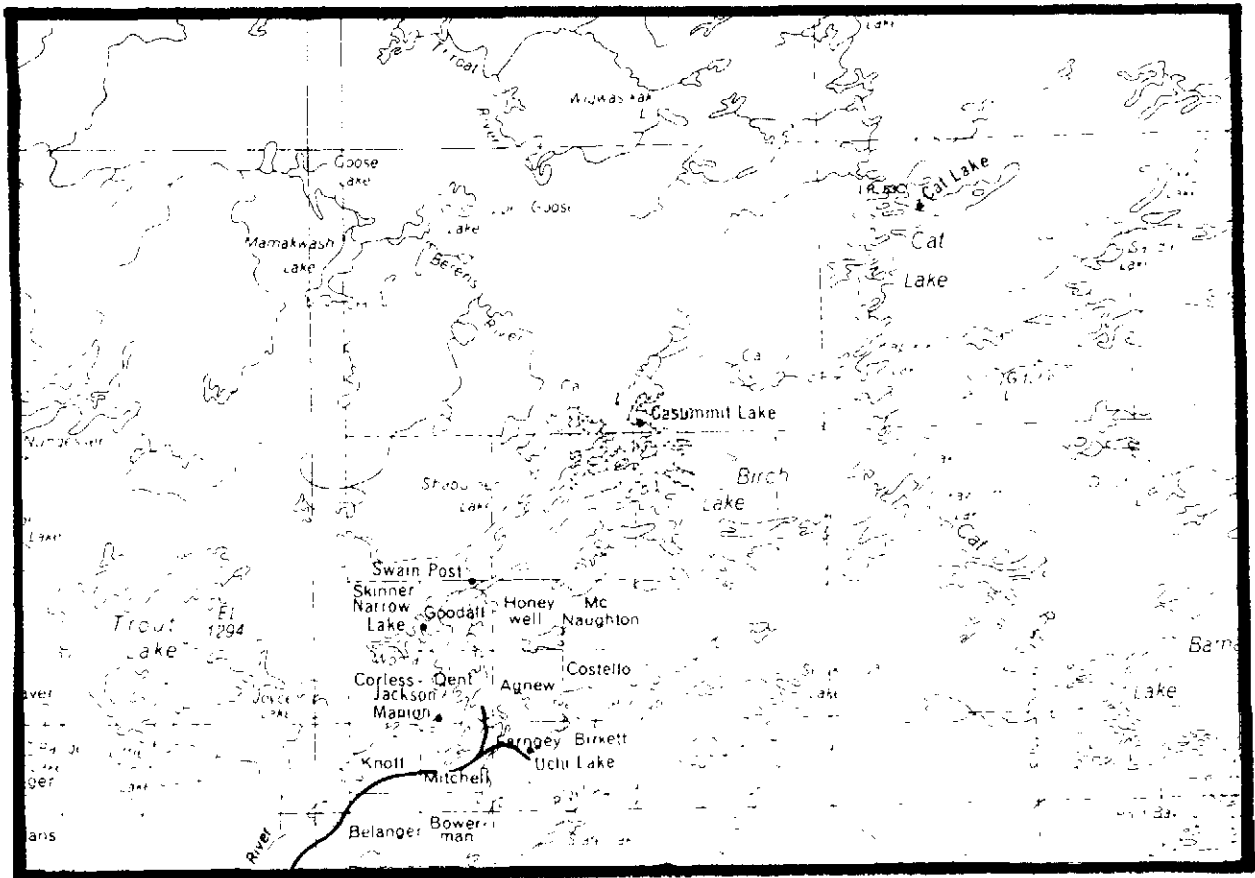
CASUMMIT LAKE AREA

Red Lake Mining Division

N.T.S. No. 52N/8SE

Compiled by the staff of
the Resident Geologist's Office

RED LAKE



LOCATION MAP

STATEMENT This inventory is unedited. Discrepancies may occur for which the Ontario Ministry of Northern Development and Mines does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Red Lake Resident Geologist's Office
1990: Casummit Lake Area; Ont. Min. Northern Dev. & Mines,
Mines and Minerals Division, G.D.I.F. No. 601, text
and accompanying maps.

Original Compilation by **Dutka, Richard J. A., March 1990.**

Date	Page(s) Revised	Revised by	Date	Page(s) Revised	Revised by

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- A. Files Index Map (s) Map A-1 , **A-2**
- B. Exploration Data Map (s) Map B-1

ABBREVIATIONS LIST

A F R O	Assessment Files Research Office (Toronto)
Ann. Rept (A.R)	Annual Report
A.R.I.P.	Aggregate Resources Inventory Paper
Bull	Bulletin
C.I.M.M.	Canadian Institute of Mining and Metallurgy
C J E S.	Canadian Journal of Earth Sciences
C M J	Canadian Mining Journal
Econ. Geol	Economic Geology
E M R.	Department of Energy, Mines and Resources
E.P.B	Earth Physics Branch
G.A.C.	Geological Association of Canada
GC	Geological Circular
GDIF	Geological Data Inventory Folio
Geol	Geology
Geol Soc Amer. Bull	Geological Society of American Bulletin
GR	Geoscience (Geological) Report
GSC	Geological Survey of Canada
I L S G	Institute on Lake Superior Geology
IMR	Industrial Mineral Report
I O C.	Report of the Iron Ore Committee (1923)
Jour. (or J)	Journal
MDC	Mineral Deposit Circular
M D I. (R)	Mineral Deposit Inventory (Record)
Mem	Memoir
MNDM	Ministry of Northern Development and Mines
MNR	Ministry of Natural Resources
MP	Miscellaneous Paper
MRC	Mineral Resources Circular
N M I	National Mineral Inventory
NOEGTS	Northern Ontario Engineering Geology Terrain Study
NTS	National Topographic System
O B M	Ontario Bureau of Mines
O D L F	Ontario Department of Lands and Forests
ODM	Ontario Department of Mines/Ontario Division of Mines
ODMNA	Ontario Department of Mines and Northern Affairs
OFR	Open File Report
OGS	Ontario Geological Survey
P R	Preliminary Report
Prelim (or P)	Preliminary
R C	Royal Commission on Mineral Resources of Ontario (1890)
S M D R	Source Mineral Deposit Record
SOEGTS	Southern Ontario Engineering Geology Terrain Study
Sum Rept	Summary Report
Res. Geol. Off. ...	Resident Geologist's Office

*

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N A , the source item is Not Applicable to this area and therefore not searched.

SOURCES OF DATA		Data	Initial
1	Resident Geologist's Office Files	YES	R . J . D .
2	Assessment Files Research Office, Toronto	NO	R . J . D .
3	OGS/ODM General Index	YES	R . J . D .
4	Catalogue of Airborne Geophysical Surveys (ODM)	YES	R . J . D .
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	YES	R . J . D .
6	ODM Industrial Mineral Reports	NO	R . J . D .
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	R . J . D .
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	R . J . D .
9	Newspaper Clippings File	YES	R . J . D .
10	GSC Index to Publications	YES	R . J . D .
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	R . J . D .
12	OGS Index Maps	YES	R . J . D .
13	Source Mineral Deposit Records (OGS)	YES	R . J . D .
14	Author - Subject Articles File	YES	R . J . D .
15	ODM/OGS Miscellaneous Papers	YES	R . J . D .
16	ODM Geological Circulars	NO	R . J . D .
17	OGS Study Series	NO	R . J . D .
18	ODM Preliminary Reports	YES	R . J . D .
19	ODM Bulletins	NO	R . J . D .
20	ODM/OGS Open File Reports	YES	R . J . D .
21	OGS Northern/Southern Ontario Engineering Geology Terrain Studies	NO	R . J . D .
22	OGS Aggregate Resources Inventory Papers	NO	R . J . D .
23	OGS Mineral Potential Maps	YES	R . J . D .
24	Drill Core Library Catalogue	YES	R . J . D .

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MINERAL OCCURRENCES			REFERENCES IN	Additional References and/or Remarks
Ref Letter on Map	(see Exploration Data Map) Name(s)	Mineralization	SMDR-Source Mineral Deposit Record MDC-Mineral Deposits Circular, OGS IMR-Industrial Mineral Report, OGS MDI-Mineral Deposit Inventory NMI-National Mineral Inventory	
A	Angela Lake	Au, Cu, Zn, Ag, po, py	SMDR #00501 MDC 12, p.175	-shown on OGS Preliminary Map P. 2387 -drilled by Dome Exploration (Canada) Ltd. (F.N. 63.992)
B	Blondin	Au, py		-ODM 1933, vol. 42, pt. 6, p.36 -OGS, MP6, p.94
C	Boylen (East Group)	py, asp		-ODM 1933, vol. 42, pt. 6, p.41 -OGS MP6, p.94
D	Boylen (West Group)	py, asp		-ODM 1933, vol. 42, pt. 6, p.41-42 -OGS MP6, p.94
E	Brengold Mines Ltd. (Floregold) (Casey Contact Gold Mines)	Au, py	SMDR #001563 MRC 13, p.245 MDI #KP0395 NMI 52N/08 Au3	-ODM 1937, vol. 46, pt. 7, p.25-26
F	Casey Mountain Operating Syndicate Ltd.	Au		-ODM 1937, vol. 46, pt. 7, p.26

MINERAL OCCURRENCES			REFERENCES IN	Additional References and/or Remarks
Ref Letter on Map	(see Exploration Data Map) Name(s)	Mineralization	SMDR-Source Mineral Deposit Record MDC-Mineral Deposits Circular, OGS IMR-Industrial Mineral Report, OGS MDI-Mineral Deposit Inventory NMI-National Mineral Inventory	
G	Springpole Gold Mines Ltd. (Dunkin, T.) (Windigokan Syndicate)	Au,py,asp, sp,gn,fl	SMDR #01569 MRC 13, p.245 MDI KP0136 NMI 52N/08W Au1	-ODM 1936, vol. 45, pt. 7, p.21 -OGS 1985, MP122, p.35 -shown on OGS Preliminary Map P. 2387 -OGS 1988 Open File Report 5685 -OGS MP6, p.95
H	Johnson-Dynes	py,asp,sid		-ODM 1933, vol. 42, pt. 6 pp. 39,40 - OGS MP6, p.94
I	Ellen	Au,asp	MRC 13, p.245	-ODM 1936, vol. 46, pt. 7, p.27 -ODM 1933, vol. 42, pt. 6, p.34
J	Finn (12N showing)	py,cp,sp, gn		-ODM 1933, vol. 42, pt. 6, pp. 36,37 -OGS MP6, p.94
K	Graham (Joneston Lake)	Au,cp,py		-ODM 1933, vol. 42, pt. 6, pp.37,38 -OGS MP6, p.94
L	Moran, J. L. (Graham-Richardson Lk)	Au,asp,py	SMDR 01570 MRC 13, p.245 MDI KP0396 NMI 52N/08 Au6	-ODM 1933, vol. 42, pt. 6, pp.38,39 -ODM 1937, vol. 46, pt. 7, pp.28-29 -OGS MP6, p.94

MINERAL OCCURRENCES			REFERENCES IN	Additional References and/or Remarks
Ref Letter on Map	(see Exploration Data Map) Name(s)	Mineralization	SMDR-Source Mineral Deposit Record MDC-Mineral Deposits Circular, OGS IMR-Industrial Mineral Report, OGS MDI-Mineral Deposit Inventory NMI-National Mineral Inventory	
M	Hatch (Mink Lake Narrows)	cp,py,gn, sid	SMDR 00558 MRC 12, p.191 MDI KP0135 NMI 52N/8W Cu4	-ODM 1933, vol. 42, pt. 6, p.36 -OGS MP6, p.94
N	Hatch (Joneston Lake Group)	Au,py,sid		-ODM 1933, vol. 42, pt. 6, pp.34-35 -OGS MP6, p.94
O	Hatch (Mink Lake Group)	py,sid,hem		-ODM 1933, vol. 42, pt. 6, p.35 -OGS MP6, p.94
P	Hewitt-Ziyone Group (Casummit Lake)	Au,py,cp, asp	SMDR 001568 MRC 13, p.245 MDI KP0139	-ODM 1933, vol. 42, pt. 6, p.39 -ODM 1937, vol. 46, pt. 7, pp.27-28 -OGS MP6, p.94
Q	Jason Gold Mine (Argosy Gold Mine) (Casey Summit Gold Mine) (New Jason Gold Mine)	Au,Ag,py, asp,cp,po, sp,gn	SMDR 01585 MRC 13, pp.230-231 NMI 52N/08 Au1	-ODM 1933, vol.42, pt. 6, pp.30-34 -ODM 1936, vol. 45, pt. 4, pp.28-29 -ODM 1937, vol. 46, pt.7, pp.17-25 -ODM , vol. 49, pt.1, p.134 -ODM , vol. 62, pt. 2, p.60 -ODM , vol. 64, pt. 1, p.25 -OGS MP6, pp.75-76

MINERAL OCCURRENCES			REFERENCES IN	Additional References and/or Remarks
Ref Letter on Map	(see Exploration Data Map) Name(s)	Mineralization	SMDR-Source Mineral Deposit Record MDC-Mineral Deposits Circular, OGS IMR-Industrial Mineral Report, OGS MDI-Mineral Deposit Inventory NMI-National Mineral Inventory	
R	Joneston Lake	py,po,cp, gn	SMDR 00502 MRC 12, p.191 MDI KP0133	-diamond drill hole by Dome Mines Ltd. 1967 -highest assay 0.11% Cu over 2 feet
S	Lundberg Group	py		-ODM 937, vol. 46, pt. 7, p.28
T	McIntyre (Cooper and Barry Lease)	Au,Cu	SMDR 00544 MDI KP0132 MRC 12, p.191	-ODM 1933, vol. 42 pt. 6, pp.40-41 -ODM 1936, vol. 45, pt. 4, p.22-23 -past producer 1934-1935, 23 oz. Au -OMEP File OM83-1-C-386 -OMEP File OM84-1-C-171 (Carmac Resources Ltd.) -OGS MP6, p.94
U	Mink Lake (Kostynuk)	Mo,Au,W,cp	SMDR 02129	-OGS MP95, p.27 -OGS Preliminary Map P. 2387
V	St. Joe Canada Inc.	Au,Zn,Cu		-OMEP File OM84-1-C-198 -OMEP File OM84-1-C-228
W	Horseshoe Island (Peterson, McDougal, Bergstrom) (Pants Island)	Au,py,asp, cp		-OMEP File OM83-1-C-198 -OMEP File OM84-1-C-228 (St. Joe Canada Inc.)

MINERAL OCCURRENCES			REFERENCES IN	Additional References and/or Remarks
Ref Letter on Map	(see Exploration Data Map) Name(s)	Mineralization	SMDR-Source Mineral Deposit Record MDC-Mineral Deposits Circular, OGS IMR-Industrial Mineral Report, OGS MDI-Mineral Deposit Inventory NMI-National Mineral Inventory	
X	Sudbury Contact (McDougal, E.) (Birch Lake - Group C) (Sanders) (Koezur)	Ni,Cu,Au, Pt,Pd	SMDR 01836 MDI KP0035 NMI 52N/08 Nil	-OMEP File OM84-1-C-228 (St. Joe Canada Inc.)
Y	Alcon Occurrence (Esso Occurrence)	Au,py		-OGS MP142, p.57-58 -shown on OGS Preliminary Map P.2387

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Ref No on Map	COMPANY/AUTHOR (file number)																	
1	Alcon Syndicate Option (New Dickenson Mines)			60	60													
2	Alcon Expl. and Mining Syndicate			61		61												
3	Amex Exploration									73		73	73					N-1
4	Argosy Gold Mines Ltd.	37			34 35 38	38	34 35 38	38 39										N-2
5	Bond Gold Canada Inc. (140-88)				88													
6	Bond Gold Canada Inc. (205-88)				87													
7	BP Resources Canada Ltd. (2.8502)											85	85					

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Ref No on Map	COMPANY/AUTHOR (file number)																	
8	BP Resources Canada Ltd. (2.9065)	85																
8	BP Resources Canada Ltd. (2.9066), (31-86)														85			
8	BP Resources Canada Ltd. (2.10005)	85																
8	BP Resources Canada Ltd. (2.12275) (Noranda Explor. Co. Ltd.)			89		89												
9	Bralorne Can-Fer Resources Ltd. (Mink-Birch Lake Group)	69		69														
10	Canex Aerial Expl. Ltd. (Casummit Lake Area) (63.2644)				70				69									

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Ref No on Map	COMPANY/AUTHOR (file number)																	
11	Carmac Resources Ltd./Tenajon Silver Corp. (TO F.N.: 63.4341) (OM83-1-JV-90)				83			83										
11	Carmac Resources Ltd. (McIntyre Birch Lake Prop.) (TO F.N.: 63.4511) (OM83-1-C-386)				84													
11	Carmac Resources Ltd. (TO F.N.: 63.4510) (OM84-1-C-171)				84													N-17
12	Cochenour Willans Gold Mines Ltd.	62			62			60 61										
13	Cochenour Willans Gold Mines Ltd. (Kostynuk Option)				74													
14	Cochenour Willans Gold Mines Ltd. (Casummit Lake)				75													

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Ref No on Map	COMPANY/AUTHOR (file number)																	
15	Cominco Ltd. (2.3070)	79																
16	Crawford, H.A. (Bert) Casummit Lake (2.8030)											85	85					
17	Dickenson Mines Ltd. (Adjacent to Argosy)				60 62													
18	Dome Explor. (Can.) Ltd. (Kostynuk Option) (63.992)				59								59					
19	Dome Explor. (Can.) Ltd. (Angela Lake) (63.992)				67													N-3
20	Dome Explor. (Can.) Ltd. (Joneston -Swain Lake)				67													
21	Dome Explor. (Can.) Ltd. (Kostynuk Option) Mink Lake				74													

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
1	Alcon Syndicate Option (New Dickenson Mines)	H1	1960	South	-40	0	85.0'	IF, mag, py	
"	" " "	H2	"	South	-40	0	89.0'	IF, mag, py	
2	" " "	H3	"	South	-40	0	96.0'	py, Au	
"	" " "	H4	"	South	-40	0	68.0'	asp, po	
2	St. Joe Canada Inc. (Crawford, H.A.) (21-88)	PW87-07	1987	180	-50	1.2m	111m	mg, po, IF, py, asp, cp	
3	Alcon Syndicate Option (New Dickenson Mines)	H5	1960	South	-40	0	90.0'	py	Au
4	" " "	1	"	South	-45	10.0'	52.6'	IF, mag, py, po, asp	
"	" " "	2	"	South	-45	8.0'	52.0'	IF, mag, py	
"	" " "	3	"	South	-45	0	32.0'	IF, mag	
4	St. Joe Canada Inc. (Crawford, H.A.) (21-88)	PW87-05	1987	135	-50	11m	128m	py, IF, mag, asp, cp	
5	Alcon Syndicate Option (New Dickenson Mines)	4	1960	South	-45	4.0'	55.0'	asp	
6	" " "	5	"	South	-45	2.8'	100.5'	asp, Au	

● ————— indicates core stored at Drill Core Library

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(see Files Index Map) EXPLORATION FILES		GEOLOGICAL	GEOCHEMICAL	TRENCHING STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION		SELF POTENTIAL	RESISTIVITY
Ref No on Map	COMPANY/AUTHOR (file number)																	
22	Dome Explor. (Can.) Ltd. (Angela Lake Area) (2.6447)											83						
22a	Dome Explor. (Can.) Ltd. (26-85)				84													
23	Dome Explor. (Can.) Ltd. (2.8111)											85	85					
24	Dome Explor. (Can.) Ltd. Project 255A (2.8253)											85	85					
25	Dome Explor. (Can.) Ltd. (Angela Lake) (125-85)				85													
26	Dome Explor. (Can.) Ltd. (14-86)				86													

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TYPE OF WORK		Numbers below represent the year in which the work was done, e g , 68 for 1968														OTHER DATA IN THIS FILE, OR FOOTNOTES		
(see Files Index Map) EXPLORATION FILES		GEOLOGICAL	GEOCHEMICAL	TRENCHING. STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS NOTES CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION		SELF POTENTIAL	RESISTIVITY
Ref No on Map	COMPANY/AUTHOR (file number)																	
27	Dome Explor. (Can.) Ltd. (25-86)				85													
28	Dome Explor. (Can.) Ltd. (92-86)				86													
29	Dome Explor. (Can.) Ltd. (35-87)				87													
30	Dome Explor. (Can.) Ltd. (38-87)				86													
31	Duration Mines Ltd., Wilshire Res. Ltd. (2.7498)	84										84	84					
32	Esso Resources Canada Ltd. (2.10419)					87												N-4
32	Esso Resources Canada Ltd. (2.10451)	87	87	87		87						87						

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TYPE OF WORK		Numbers below represent the year in which the work was done, e g , 68 for 1968														OTHER DATA IN THIS FILE, OR FOOTNOTES		
(see Files Index Map) EXPLORATION FILES		GEOLOGICAL	GEOCHEMICAL	TRENCHING STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION		SELF POTENTIAL	RESISTIVITY
Ref No on Map	COMPANY/AUTHOR (file number)																	
32	Esso Resources Canada Ltd. (2.11210)												88					
32	Esso Resources Canada Ltd. (2.11514)	88	88			88												
32	Esso Resources Canada Ltd. (81-87)			87														
33	Falconbridge Nickel Mines Ltd. (Johnson Island)				70			69	69	69	70							
34	Floregold Red Lake Mines Ltd. (Rpt. #10)				49													
35	Frahm, Randall (Casummit Lake)			81														
36	Frederick Yellow- knife Mines Ltd. (63.73)	46										46						

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

TYPE OF WORK		Numbers below represent the year in which the work was done, e.g., 68 for 1968													OTHER DATA IN THIS FILE, OR FOOTNOTES			
(see Files Index Map) EXPLORATION FILES		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC		INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY
Ref No on Map	COMPANY/AUTHOR (file number)																	
37	Gabbs Resources Ltd. (99-86)			86		86												
38	Gold Fields Canadian Mining Ltd. (2.8544)											85	85					
39	Gold Fields Canadian Mining Ltd. (Brad Heinrich Option) (2.8565)								85	85								
40	Gold Fields Canadian Mining Ltd. (2.8687)								85	85								
41	Gold Fields Canadian Mining Ltd. (2.9498)	85		85														
42	Gold Fields Canadian Mining Ltd. (Hodgson Option) (2.9643)								85	85								

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(see Files Index Map) EXPLORATION FILES		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION		SELF POTENTIAL	RESISTIVITY
Ref No on Map	COMPANY/AUTHOR (file number)																	
43	Gold Fields Canadian Mining Ltd. (36-87)				87													
43	Gold Fields Canadian Mining Ltd. (202-88)				88													
43	Gold Fields Canadian Mining Ltd. (121-89)				89													
44	Gold Fields Canadian Mining Ltd. (37-87)			87														
44	Gold Fields Canadian Mining Ltd. (2.9963)					87												
45	Gold Fields Canadian Mining Ltd. (39-87)				87													
46	Gold Fields Canadian Mining Ltd. (2.10275)							87	87									

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Ref No on Map	COMPANY/AUTHOR (file number)																	
47	Gold Fields Canadian Mining Ltd. (2.10849)		87			87												
48	Gold Fields Canadian Mining Ltd. (49-88)				88													
49	Gold Fields Canadian Mining Ltd. (99-88)				88													
50	Gold Fields Canadian Mining Ltd. (162-88)				88													
51	Gold Fields Canadian Mining Ltd. (203-88)				88													
51	Gold Fields Canadian Mining Ltd. (122-89)				89													
52	Gold Fields Canadian Mining Ltd. (16-89)				88 89													

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(see Files Index Map) EXPLORATION FILES		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION		SELF POTENTIAL	RESISTIVITY
Ref No on Map	COMPANY/AUTHOR (file number)																	
53	Gold Fields Canadian Mining Ltd. (2.12273)		89															
54	Gold Fields Canadian Mining Ltd. (OM86-1-C-066) (General File)							87	87									N-5
55	Gold Fields Canadian Mining Ltd. (International Maple Leaf Resources Claims) (OM86-1-C-066) File #1	87	87			87												
55	Gold Fields Canadian Mining Ltd. (Inter. Maple Leaf Res. Claims) (OM86-1-C-066) File #1A																	

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(see Files Index Map) EXPLORATION FILES		GEOLOGICAL	GEOCHEMICAL	TRENCHING STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS NOTES CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION		SELF POTENTIAL	RESISTIVITY
Ref No on Map	COMPANY/AUTHOR (file number)																	
5	Gold Fields Canadian Mining Ltd. (Inter. Maple Leaf Res. Claims) (OM86-1-C-066) File #1B											86	86		86			
56	Gold Fields Canadian Mining Ltd. (Loydex Option) (OM86-1-C-066) File #2				87										86			N-6
57	Gold Fields Canadian Mining Ltd. (OM86-1-C-066) File #4											86			86			
58	Gold Fields Canadian Mining Ltd. (OM86-1-C-066) File #6		86									86	86		86			
59	Gold Fields Canadian Mining Ltd. (OM86-1-C-066) File #6A	87		86 87														

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(see Files Index Map) EXPLORATION FILES		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS NOTES CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION		SELF POTENTIAL	RESISTIVITY
Ref No on Map	COMPANY/AUTHOR (file number)																	
59	Gold Fields Canadian Mining Ltd. (OM86-1-C-066) File #6B	86 87				86 87												
60	Gold Fields Canadian Mining Ltd. (OM86-1-C-066) File #6C + 6D				86 87													
60	Gold Fields Canadian Mining Ltd. (OM86-1-C-066) File #6E					86 87												
61	Gold Fields Canadian Mining Ltd. (20-90)				90													
62	Gold Fields Canadian Mining Ltd./Noranda Exploration Company Ltd. (17-90), (19-90)				90													

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(see Files Index Map) EXPLORATION FILES		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC		INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY
Ref No on Map	COMPANY/AUTHOR (file number)																	
63	Golden Maverick Res. Corp. Casummit Lake (Brownstone Lake) (2.8450)								85	85								
64	Golden Terrace Resources Corp. (2.9812)	86	86															
65	Golden Terrace Resources Corp. (181-88)				87 88													
66	Grand Bay Explor.				74			76										N-7
67	Hanson Property (Casummit-Mink Lakes)				50													
68	Heinrich, Bradley L.			81														
68	Heinrich, Bradley L.			82		82												
68	Heinrich, Bradley L.			83														
68	Heinrich, Bradley L. (61-84), (62-84)			84	84													

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(see Files Index Map) EXPLORATION FILES		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION		SELF POTENTIAL	RESISTIVITY
Ref No on Map	COMPANY/AUTHOR (file number)																	
69	Hodgson, Rand Casummit Lake (2.8393)	85																
70	Hodgson, Rand (2.8394)	85																
70	Hodgson, rand (2.8639)					85												
71	Hodgson, Rand (2.8395)	85																
71	Hodgson, Rand (2.8641)					85												
72	Hodgson, Rand (2.8397)	85																
72	International Maple Leaf Resources Corp. (2.9958)											87	87					
72	Maple Leaf Petroleum Ltd. (2.8532)	85	85									85	85					

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Ref No on Map	COMPANY/AUTHOR (file number)																	
73	Jason Mines Ltd. (East End Casummit Lake)				38	39		39 38										
74	Johnson Property (Casummit Lake Area)			70														
75	Koezur Property (Casummit Lake Area)			69														
76	Kostynuk, A.				69													
77	Kostynuk, Alexander (60-82)				81													N-8
78	Kostynuk, Alexander (Noranda Explor. Co. Ltd.) (2.4969)	81			81													
79	Kostynuk, Alexander (64-85)			85														
80	Kostynuk, A. (2.9127)											86						

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Ref No on Map	COMPANY/AUTHOR (file number)																	
81	Kostynuk Bros. (Richardson Lake)				62			62										
82	Kostynuk, M. (Casummit Lake Area)			74														
83	Labrador Mining and Exploration Co. Ltd. (2.8208)								85	85								
84	Liedtke, Gebhard A. (2.10433)											87						
85	Loydex Resources Inc. (OM85-1-I-82)											85						
85	Loydex Resources Inc. (2.8138)											85						
86	Maple Leaf Petroleum Ltd. (OM85-1-C-126)		85									85	85					
87	McIntyre Mines Ltd. (2.2260)											76	76					

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Ref No on Map	COMPANY/AUTHOR (file number)																	
88	McIntyre Porcupine Mines Ltd. (Cooper and Barry Lease)			35			35	35										
89	Mentor Exploration and Development Co. Ltd.			68	68													
90	Moran Syndicate (Adjoining Argosy Mine)					34		36										
91	Minorex Ltd. (Horseshoe Island)	81		81														N-9
92	Noranda Exploration Company Ltd. (148-80)			79														
92	Noranda Exploration Company Ltd. (Hole No. 634-1,2,3,4) (5-81)				81													
93	Noranda Exploration Company Ltd. (2,4100)								81	81								

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Ref No on Map	COMPANY/AUTHOR (file number)																	
94	Noranda Exploration Company Ltd. (86-89)			89		89												
95	Noranda Exploration Company Ltd. (Kostynuk Bros. Moly Option) (2.4303)	81																
96	Noranda Exploration Company Ltd. (OM85-1-C-160)	85	86	85	86	85						85						N-10
97	Peterson-McDougall- Bergstrand Property					39		39										
98	Placer Dome Inc. (28-89)				88													N-11
99	Selco Exploration Co. Ltd. (Mink Grid) (63.2753)											69	69					
100	Selco Exploration Corp. Ltd. (2.2196)											76	76					

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Ref No on Map	COMPANY/AUTHOR (file number)																	
101	Springpole Mines Ltd. (Springpole Lake)			39	36			46										N-12
102	St. Joe Canada Inc. (29-83)				83													
102	St. Joe Canada Inc. (53-84)				84													
102	St. Joe Canada Inc. (74-84)				84													
102	St. Joe Canada Inc. (1-85)				84													
102	St. Joe Canada Inc. (19-85)				84													
102	St. Joe Canada Inc. (OM82-1-JV-191)	83				83						83			83			N-14
103	St. Joe Canada Inc. (2.6829)											84	84					N-13
103	St. Joe Canada Inc. (122-85)				85													

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Ref No on Map	COMPANY/AUTHOR (file number)																	
103	St. Joe Canada Inc. (OM83-1-C-198) File #2				84							84	84					N-16
104	St. Joe Canada Inc. (12-86)				84 85													
104	St. Joe Canada Inc. (OM83-1-C-198) File #1	83			83 84							83			83			N-15
105	St. Joe Canada Inc. (2.9268)							86	86									
106	St. Joe Canada Inc. (2.9576)	86																
107	St. Joe Canada Inc. (121-87)				87													
108	St. Joe Canada Inc. (2.10612)											87	87					
109	St. Joe Canada Inc. (2.10613)											87	87					

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Ref No on Map	COMPANY/AUTHOR (file number)																	
110	St. Joe Canada Inc. (Crawford, H.A.) (21-88)				87													
111	St. Joe Canada Inc. (2.10986)											88	88					
112	St. Joe Canada Inc. (OM84-1-C-228) 1985 Final Report File No.s: 1,2, + 3	84 85			83 84 85							85			84			
113	Sanders, Harry (Goldsearch Option) (2.1443)											74	74					
114	Sudbury Contact Mines Ltd. (Koezur Option)				70 71							70	70					
115	Utah Mines Ltd./ McIntyre Mines Ltd. (2.2783)											78	78					
116	Veinott, Carl (55-86)				86													

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Ref No on Map	COMPANY/AUTHOR (file number)																	
117	Williams Property (Casummit Lake Area)			69														
118	Windigokan Sturgeon Mining Syndicate			36	36	36		36										
119	Umex Inc. (2.11690)								88	88								
120	Bond Gold Canada (198-88)				87													

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DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
6	Alcon Syndicate Option (New Dickenson Mines)	6	1960	South	-45	0	127.0	py, asp	
"	" " "	AL1	"	South	-65	0	300.0'	py, asp	Au
"	" " "	AL2	"	South	-50	0	30.0'		
"	" " "	AL3	"	South	-40	0	103.0'	s	
7	Argosy Gold Mines Ltd.	DDH-1 to DDH-21	1934 to 1938	N/A	N/A	N/A	N/A	N/A	N/A
7	Jason Mines Ltd. (East End of Casummit Lake)	1J	1938	N/A	-45	25'	177'	py, asp	Au
"	" " "	2J	"	N/A	-45	22'	272'	IF, py, asp	Au
"	" " "	3J	"	N/A	-45	24'	252'	py, asp	Au
"	" " "	4J	"	N/A	-45	22'	117'	py, asp	Au
"	" " "	5J	"	N/A	-45	20'	398'	py, asp	Au
"	" " "	6J	"	S71E	-30	10'	425'	py, po	
"	" " "	7J	"	S79E	-30	19'	373'	py	
"	" " "	8J	"	S63.3E	-30	8'	250.5'	py, IF, po	
"	" " "	9J	"	S82.3E	-70	10'	949'	py, asp, po	Au

● — indicates core stored at Drill Core Library

DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
7	Jason Mines Ltd. (East End of Casummit Lake)	10J	1938	S50E	-45	N/A	322'		
"	" " "	11J	"	S50E	-45	24'	273'	py,asp	Au
"	" " "	12J	"	S50E	-45	23'	148'	py,asp	Au
"	" " "	13J	"	S50E	-45	6'	160'		
"	" " "	14J	"	S50E	-45	23'	104'	py,asp	Au
"	" " "	15J	"	S82E	-80	10'	989'	py,asp,po	Au
8	Bond Gold Canada Inc. (140-88)	HI88-132	1988	180	-64	4.5m	407m	mag,py	
9	Bond Gold Canada Inc. (Formerly St. Joe Canada) (205-88)	CE87-01	1987	192	-45	3.5m	170m	py,asp,mag	Au
10	" " "	CE87-02	"	192	-45	5.8m	111m	po,py,mag, cp	Au
11	" " "	CE87-03	"	192	-45	5.34m	111m	py,po,mag, cp,IF	Au
12	" " "	CE87-04	"	192	-45	1.2m	100m	py,po,mag, asp,IF	Au
13	" " "	CE87-05	"	192	-45	1.2m	106.5m	py,po,mag, IF	Au

↑ indicates core stored at Drill Core Library

DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
14	Bond Gold Canada Inc. (Formerly St. Joe Canada) (205-88)	CE87-06	1987	192	-45	29.9m	46m	py, mag, IF, asp	Au
"	" " "	CE87-07	"	192	-45	36.4m	161.5m	py, po, mag, IF	Au
"	" " "	CE87-13	"	192	-45	15.2m	200m	py, po, IF, mag	Au
15	" " "	CE87-08	"	192	-45	7.0m	125m	py	Au
16	" " "	CE87-09	"	192	-45	7.0m	101m	py	Au
17	" " "	CE87-10	"	192	-45	13.0m	149m	IF, mag, py	Au
18	" " "	CE87-11	"	192	-45	4.3m	101m	py	Au
19	" " "	CE87-12	"	192	-45	3.0m	104.5m	py, po	Au
20	" " "	CE87-14	"	192	-45	3.0m	152m	py, po, mag, IF	Au
21	Canex Aerial Explor. Ltd. (63.2644)	105-1	1970	142	-45	9'	702'	py, cp	
22	" " "	105-2	"	Grid S	-45	12'	702'	py, cp, po	
23	" " "	105-3	"	Grid S	-55	4'	1195'	py, cp	

● — indicates core stored at Drill Core Library

DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
24	Carmac Resources Ltd. Tenajon Silver Corp. (TO F.N.: 63-4341) (OM83-1-JV-90)	1-83	1983	S37W	-70	4'	747'	py, cp, asp, po, mag	
"	" " "	2-83	"	S37W	-90	4'	757'	py, asp, po, mag	
24	Carmac Resources Ltd. (TO F.N.: 63.4511) (OM83-1-C-386)	84-1	1984	S37W	-50	2.5m	104m	py, mag, IF	
"	" " "	84-2	"	S37W	-50	1.2m	122m	py, IF, mag	
"	" " "	84-3	"	S37W	-60	2.4m	167m	py	
"	" " "	84-4	"	S37W	-60	2.3m	157.7m	py, IF, mag	
"	" " "	84-5	"	S37W	-50	4.6m	101m	py, IF, Au, asp, mag	
"	" " "	84-6	"	S37W	-50	11m	74m	py, IF, mag asp	
24	Carmac Resources Ltd. (TO F.N.: 63.4510) (OM84-1-C-171)	84-7	1984	S37W	-50	10.9m	77m	asp, py, IF, mag	Au, Ag
"	" " "	84-8	"	S37W	-50	4.8m	119m	py, IF, mag	
"	" " "	84-9	"	S37W	-50	4.2m	116m	mag, py, asp, IF	Au, Ag

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DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
24	Carmac Resources Ltd. (TO F.N.: 63.4510) (OM84-1-C-171)	84-10	1984	S37W	-50	2.4m	107m	IF, mag, py, asp	Au, Ag
"	" " "	84-11	"	S37W	-50	3.0m	77m	IF, mag	Au, Ag
"	" " "	84-12	"	S37W	-50	12.8m	85m	IF, mag, py	Au, Ag
"	" " "	84-13	"	S37W	-50	7.9m	155m	IF, mag, py	Au, Ag
"	" " "	84-14	"	S37W	-50	4.2m	123m	IF, mag, py, asp	Au, Ag
"	" " "	84-16	"	S37E	-50	6.7m	106m	py	Au, Ag
25	" " "	84-15	"	S37W	-50	7.3m	305m	py, asp	Au, Ag
26	Cochenour Willans Gold Mines Ltd.	CAS 1962-1	1962	S55E	-60	29'	602'	py, po, cp	
27	" " "	CAS 1962-2	"	S45E	-45	7'	584'	py, po, cp	
28	" " "	CAS 1962-3	"	S51E	-40	6'	452'	py, po, cp	
29	" " "	CAS 1962-4	"	S57E	-40	29'	454'	py, po, cp	
30	Cochenour Willans Gold Mines Ltd. (Kostynuk Option)	C-74-1	1974	West	-45	17'	215'	asp, py, IF	

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DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
30	Cochenour Willans Gold Mines Ltd. (Kostynuk Option)	C-74-2	1974	West	-55	16'	199'	asp,py,IF,cp	
"	" " "	C-74-3	"	West	-45	18'	205'	asp,py,cp	
"	" " "	C-74-4	"	West	-45	19'	214'	asp,py,cp,po,IF	
"	" " "	C-74-5	"	East	-45	18'	203'	py,po,asp,cp	
"	" " "	C-74-8	"	East	-45	15'	210'	asp,py	
"	" " "	C-74-9	"	East	-45	18'	230'	mag,py,po	
"	" " "	C-74-10	"	East	-45	15'	209'	py,asp,cp	
"	" " "	C-74-11	"	N-E	-45	10'	220'	mag,py	
"	" " "	C-74-12	"	West	-45	5'	215'	IF, mag	
31	Cochenour Willans Gold Mines Ltd. (Casummit Lake)	C-75-1	1975	East	-45	21.5'	405'	asp,py,Au	Au
"	" " "	C-75-2	"	East	-45	17.5'	374'	py,po,asp	Au
"	" " "	C-75-3	"	East	-45	10'	296'	po,py,cp	Au
"	" " "	C-75-3A	"	West	-45	3'	254'	py,po,asp	Au
"	" " "	C-75-4	"	East	-45	2'	398'	po,py,asp	Au

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DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
31	Cochenour Willans Gold Mines Ltd. (Casummit Lake)	C-75-5	1975	East	-45	29'	409'	py,po	
"	" " "	C-75-6	"	West	-45	51'	356'	py	
"	" " "	C-75-7	"	East	-45	4.5'	382'	po,py,cp,asp	Au
"	" " "	C-75-9	"	East	-45	42'	408'	py,asp	
"	" " "	C-75-10	"	N60W	-80	11'	432'	asp,py,po,Au	Au
"	" " "	C-75-11	"	N60W	-60	10'	358'	po,py,cp,mag,asp	Au
32	Dickenson Mines Ltd. (Adjacent to Argosy)	1	1960	S45E	-45	5'	84'	asp,py	
"	" " "	2	"	S45E	-45	3.2'	71'	asp,py	
"	" " "	3	"	S45E	-45	2.0'	71'	py	
"	" " "	4	"	S45E	-45	6.0'	72'	asp	
"	" " "	5	"	S45E	-45	10.0'	71'	asp,py	
"	" " "	6	"	S45E	-45	14.0'	72'	py,asp,Au	
"	" " "	7	"	S45E	-45	54.0'	106'	py	

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DRILLHOLE SUMMARY									
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
32	Dickenson Mines Ltd. (Adjacent to Argosy)	9	1960	S45E	-45	46.0'	101'	py	
"	" " "	10	"	S45E	-45	10.0'	101'	py	
"	" " "	11-1962	1962	S55E	-45	6.0'	175'	py, asp, po, cp	
"	" " "	12-1962	"	S55E	-45	7.0'	150'	py, asp	
33	Dome Exploration (Canada) Ltd. (Kostynuk Option) (63.992)	DDH4	1959	North	-43	34.0'	182'	py	Au
34	Dome Exploration (Canada) Ltd. (Angela Lake) (63.992)	1	1967	210	-45	75.0'	325'	py, po, sp, cp, IF, mag	Au, Ag, Cu, Zn, Ni
35	" " "	2	"	210	-44.5	7.0'	204'	py, po, sp, cp	Au, Ag, Cu, Zn, Ni
36	" " "	3	"	210	-44.5	17.0'	326'	py, po, IF, cp, mag, asp	Au, Ag, Cu, Zn
37	" " "	4	"	210	-45	4.0'	303'	py, po, cp, sp	Au, Ag, Cu, Zn, Ni
38	" " "	5	"	210	-45	8.0'	282'	py, po, cp, sp, mag	Au, Ag, Cu, Zn, Ni
39	" " "	10	"	210	-45	11.8'	304'	py, po, cp, sp, mag	Au, Ag, Cu, Zn

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DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
40	Dome Exploration (Canada) Ltd. (Angela Lake) (63.992)	11	"	210	-45.5	27.0'	303'	py, po, cp, sp	Au, Ag, Cu, Zn
41	" " "	12	"	210	-45	3.0'	294'	py, po, cp, sp	Au, Ag, Cu, Zn
42	" " "	13	"	210	-45	52.0	247	py, po, cp, sp	Au, Ag, Cu, Zn
43	Dome Exploration (Canada) Ltd. (Joneston-Swain Lake)	6	1967	180	-45	8.0'	446'	py, po, cp, gn	Au, Ag, Cu, Zn, Pb
44	Dome Exploration (Canada) Ltd. (Kostynuk Option) Mink Lake	73-1	1974	210	-45	11.5'	705.6'	py, gn, mag, shee	Au
45	" " "	73-2	"	210	-45	12.5'	708'	py, po	Au
46	" " "	73-3	"	210	-45	43.6'	706.6'	py, shee	Au
47	" " "	73-4	"	210	-45	5.0'	700.3'	py, sp, shee, gn, po	Au
48	" " "	73-5	"	210	-45	5.0'	703'	py, shee, po	Au
49	" " "	73-6	"	210	-45	24.5'	700'	gn, py, cp	Au
50	Dome Exploration (Canada) Ltd. (26-85)	227-1	1984	230	-45	4.5m	153m mag	IF, py, po,	Au

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DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
50	Dome Exploration (Canada) Ltd. (26-85)	228-8	1984	230	-45	3.8m	190m	py, po, IF	Au
51	" " "	227-2	"	230	-45	10.8m	200m	IF, py, gf, po	Au
52	" " "	227-3	"	230	-45	2.4m	101m	mag, po, py	Au
53	" " "	227-4	"	230	-45	22.1m	191m	py, IF, po, mag	Au
54	" " "	227-5	"	230	-45	20.0m	100m	py, IF, po	Au
55	" " "	227-6	"	230	-45	14.7m	163.3m	py, po	Au
"	" " "	227-7	"	230	-45	21.3m	158m	py, gf	Au
56	" " "	228-9	"	230	-45	3.0m	98m	py, mag, po	Au
57	Dome Exploration (Canada) Ltd. (125-85)	227-17	1985	230	-45	7.31m	144.17m	py, IF, mag	Au
57	Dome Exploration (Canada) Ltd. (25-86)	227-14	1985	230	-45	31.09m	151.18m	py	Au
"	" " "	227-15	"	230	-45	16.46m	147.22m	py	Au
"	" " "	227-16	"	230	-45	4.27m	148.44m	py, IF, mag	Au

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Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
58	Dome Exploration (Canada) Ltd. (25-86)	227-12	1985	230	-45	19.51m	140.51m	py, gf	Au
"	" " "	227-13A	"	230	-57	23.16m	169.16m	py	Au
59	" " "	227-18	"	230	-45	25.60m	148.44m	py, IF, mag	Au
"	" " "	227-19	"	190	-45	3.66m	150.87m	py, shee, po	Au
"	" " "	227-20	"	190	-45	13.41m	168.55m	py, shee, po	Au
60	" " "	227-10	"	230	-45	19.5m	141.43m	py, po, gf, cp	Au
"	" " "	227-11	"	230	-45	15.55m	142.95m	py, po, gf	Au
"	" " "	227-23	"	230	-45	16.46m	168.24m	py, po, gn, cp	Au
"	" " "	227-24	"	230	-45	28.04m	79.24m	py, po, asp	Au
"	" " "	227-26	"	230	-55	32.92m	84.43m	py, po	Au
61	Dome Exploration (Canada) Ltd. (14-86)	255B-1	1986	225	-45	3.62m	149m	py, po, IF	
62	Dome Exploration (Canada) Ltd. (92-86)	225A-4	1986	180	-45	3.47m	101m	py, IF, mag	Au

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Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
63	Dome Exploration (Canada) Ltd. (35-87)	255B-4	1987	180	-45	10.88m	152m	py	
64	" " "	255B-5	"	180	-45	25.66m	152m	py	
65	Dome Exploration (Canada) Ltd. (38-87)	255A-1	1986	180	-45	1.69m	110m	IF, mag, py	Au
66	" " "	255A-2	"	180	-45	5.77m	101m	py, IF, mag	Au
67	" " "	255A-3	"	160	-45	9.25m	138.5m	po, py, IF, mag	Au
68	Falconbridge Nickel Mines Ltd. (Johnson Island)	Kozeur 70 No.5	1970	Grid S	-50	149.3'	342'	py	
69	Floregold Red Lake Mines Ltd. (Rpt. #10)	7	1949	N11W	-40	9.6'	300'		
70	" " "	8	"	N11W	-40	18'	307'		
71	" " "	9	"	N11W	-40	15'	319'		
72	Falconbridge Nickel Mines Ltd. (Rpt. #10)	10	1950	N6W	-45	12'	614'	py	
73	Gold Fields Canadian Mining Ltd. (36-87)	ML87-1	1987	200	-45	12.5'	509'	py	Au

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DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
74	Gold Fields Canadian Mining Ltd. (39-87)	BL87-36	1987	180	-45	106'	1050'	py, mag	Au
75	Gold Fields Canadian Mining Ltd. (49-88)	BL88-26	1988	200	-45	32'	506'	py, hem	
76	" " "	BL88-27	"	211	-45	14'	1006'	py, gf, asp	
77	" " "	BL88-28	"	200	-45	17.3'	996'	py	
78	" " "	BL88-29	"	197	-45	47.7'	756'	py, asp, mag, IF	
79	" " "	BL88-30	"	197	-45	45'	756'	py, asp, gf, gn, sp, po, cp	
80	" " "	BL88-32	"	197	-45	134.5'	1306'	py, gf, po, mag, IF, cp, asp	
81	Gold Fields Canadian Mining Ltd. (99-88)	BL88-36	1988	206	-45	N/A	1706'	mag, py, sp, gn, cp	
82	" " "	BL88-39	"	231.5	-45	9.7'	1006'	py, mag	
83	" " "	BL88-40	"	231.5	-45	13'	1306'	mag, py, po, sp, cp	

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Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
84	Gold Fields Canadian Mining Ltd. (99-88)	BL88-41	1988	207	-45	14.5'	1156'	py	
85	" " "	BL88-42	"	207	-45	12.5'	956'	py, mag, IF, po, cp	
86	Gold Fields Canadian Mining Ltd. (162-88)	BL-91	1988	200	-45	17.2'	1706'	mag, py	
87	Gold Fields Canadian Mining Ltd. (202-88)	ML88-2	1988	205	-45	10'	756'	py	
88	Gold Fields Canadian Mining Ltd. (203-88)	BL-92	1988	180	-45	21'	834'	py, asp, IF, gn	
89	Gold Fields Canadian Mining Ltd. (16-89)	BL-93	1988	229	-45	25'	845'	py	
90	" " "	BL-119	1989	245	-45	23'	803'	mag, py, gn, sp	
91	" " "	BL-123	"	245	-60	230'	856'	py, gn, sp	
92	" " "	BL-124	"	245	-60	230.8'	856'	py	

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DRILLHOLE SUMMARY									
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
93	Gold Fields Canadian Mining Ltd. (International Maple Leaf Res. Claims) (OMB6-1-C-066) File #1A	BL87-17	1986	206	-45	10.9'	406'	py, mo	Au
94	" " "	BL87-18	"	206	-45	6.6'	1286'	py, mag	Au
95	" " "	BL87-19	"	206	-45	6'	456'	py, mag, sp, gn	Au
96	" " "	BL87-20	"	206	-45	14.3'	756'	py, sp, fl?	Au
97	" " "	BL87-40	1987	225	-45	10.9'	1106'	py, po, fl	Au
98	Gold Fields Canadian Mining Ltd. (OMB6-1-C-066) File #6C + 6D	BL87-1	1986	206	-45	5'	606'	py	Au
"	" " "	BL87-2	"	206	-45	7'	486'	py, mag	Au
"	" " "	BL87-3	"	206	-45	14'	1366'	py, Au, mag	Au, Ag
"	" " "	BL87-4	"	206	-45	6'	756'	py, po	Au
"	" " "	BL87-6	"	206	-45	5.5'	506'	py	Au, Ag
"	" " "	BL87-7	"	206	-45	10.5'	506'	py	Au, Ag
"	" " "	BL87-8	"	206	-45	15'	506'	py	Au, Ag

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DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
98	Gold Fields Canadian Mining Ltd. (OM86-1-C-066) File #6C + 6D	BL87-9	1986	026	-45	7'	316'	py, g, sp, Au	Au, Ag
"	" " "	BL87-21	"	206	-45	8'	663.5	py, mag, asp	Au
"	" " "	BL87-22	"	206	-45	5'	656'	py, mag	Au
"	" " "	BL87-23	"	206	-45	9'	666'	py, Au, sp, gn, cp	Au
"	" " "	BL87-24	"	026	-60	6'	826'	py, gn, cp	Au
"	" " "	BL87-28	"	206	-38	18.6'	676'	py, mag	Au
"	" " "	BL87-3 /29	"	206	-45	14'	1366'	py, Au, mag	Au
99	Windigokan Sturgeon Mining Syndicate	1	1936	S20W	N/A	5'	126'	py, cp	Au
"	" " "	2	"	S20W	-45	14'	136'	py	Au
"	" " "	3	"	S20W	-45	6'	180'	py, sp, gn	Au
"	" " "	4	"	S20W	N/A	8'	125'	py	Au
"	" " "	5	"	S20W	-45	7'	102'	py	Au
"	" " "	6	"	S20W	-45	5'	159'	py	Au

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DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
99	Windigokan Sturgeon Mining Syndicate	7	1936	S20W	-30	14'	266'	py	Au
"	" " "	8	"	S20W	N/A	13.5'	132.5'	py	Au
"	" " "	9	"	S20W	-45	4'	119'	py	Au
"	" " "	10	"	S20W	N/A	9'	155'	py	Au
99	Gold Fields Canadian Mining Ltd. (OM86-1-C-066) File #6C + 6D	BL87-5	1986	206	-45	15'	406'	py, sp, gn, cp	Au, Ag
100	" " "	BL87-10	"	206	-45	8.6'	406'	py, mag	Au, Ag
"	" " "	BL87-30	"	206	-45	9.9'	806'	py, po, mag	Au
"	" " "	BL87-31	"	206	-45	12.9'	806'	py, po	Au
101	" " "	BL87-11 /32	1986 1987	206	-45	10'	1513'	py, mag, gn, hem	Au, Ag
"	" " "	BL87-25	1986	206	-45	8'	1386'	py, mag, gn, sp	Au
"	" " "	BL87-26	"	206	-45	12'	506'	py, mag, po, sp, cp	Au
"	" " "	BL87-11 /32	1986 1987	206	-45	10'	1513'	py, mag, gn, hem	Au

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DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
101	Gold Fields Canadian Mining Ltd. (CM86-1-C-066) File #6C + 6D	BL87-33	1987	206	-65	10'	1688'	py, asp, mag, sp, gn	Au
"	" " "	BL87-34	"	206	-65	12.7'	2016'	py, sp, cp, gn	Au
"	" " "	BL87-35	"	206	-65	11.5'	2006'	py, sp, gn, mag, cp	Au
102	" " "	BL87-37	"	233	-70	10.3'	706'	py	Au
103	" " "	BL87-38	"	206	-55	11'	1366'	py, IF, mg	Au
104	" " "	BL87-39	"	206	-70	7.5'	1256'	py, IF, mg	Au
105	" " "	BL87-12	1986	206	-45	8.7'	476'	py	Au, Ag
"	" " "	BL87-13	"	206	-45	8'	576'	py, mag	Au, Ag
"	" " "	BL87-27	"	206	-45	23.3'	776'	py, sp, gn, mag	Au
106	" " "	BL87-14	"	206	-45	9'	806'	py, sp, gn, mag	Au
107	" " "	BL87-15	"	206	-45	21.2'	614'	py, po	Au
108	" " "	BL87-16	"	206	-45	10.9'	746'	py, mag	Au
109	" " "	BL87-36	1987	206	-45	106'	1050'	py, mag	Au

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DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
110	Gold Fields Canadian Mining Ltd. (121-89)	ML4	1989	200	-45	3'	548'	py	
111	Gold Fields Canadian Mining Ltd. (122-89)	CC-2	1989	180	-45	32'	508'	py, asp	
112	" " "	CC-3	"	180	-45	32'	498'	py, asp	
113	Golden Terrace Resources Corp. (181-88)	C-87-1	1987	180	-45	18'	250'	py, po, asp	
"	" " "	C-87-2	"	180	-45	14'	205'	py, asp, po	
"	" " "	C-87-3	"	180	-45	24'	236'	py, po, asp, cp	
"	" " "	C-88-4	1988	N/A	-45	10'	280'	asp, po, cp, sp, py, Au	
"	" " "	C-88-5	"	180	-45	34'	237'	po, py	
"	" " "	C-88-6	"	360	-45	12'	60'	py, po	
"	" " "	C-88-7	"	360	-50	11'	260'	py, po, cp, mag, asp, Au	
"	" " "	C-88-8	"	360	-65	8'	250'	py, IF, asp, po, cp	

● — indicates core stored at Drill Core Library

DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
113	Golden Terrace Resources Corp. (181-88)	C-88-9	1988	360	-45	42'	265'	py, asp, IF, mag	
"	" " "	C-88-10	"	360	-45	9'	227'	asp, cp, py, po	
"	" " "	C-88-11	"	360	-45	12'	220'	asp, IF, py	
"	" " "	C-88-12	"	360	-45	0	41'		
"	" " "	C-88-13	"	360	-50	0	180'	py	
114	" " "	I-88-3	"	90	-45	9.2'	250'	py, asp	
115	Hanson Property (Casummit-Mink Lakes Area)	1	1950	N15W	-43	N/A	108'		
"	" " "	2	"	N15W	-38	N/A	75'		
"	" " "	3	"	S17W	-40	N/A	32'		
"	" " "	4	"	S17W	-37	N/A	157'		
116	Heinrich, Bradley L. (61-84), (62-84)	1	1984	158	-33	N/A	103'	py, mg, shes	
117	Grand Bay Explorations Ltd. (Drilling by Bonnacord Exploration Ltd.)	1-74	1974	N/A	-45	N/A	270'	Au	Au
"	" " "	2-74	"	N/A	-45	N/A	306'		Au

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DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
117	Grand Bay Explorations Ltd. (Drilling by Bonnacord Exploration Ltd.)	3-74	1974	N/A	-45	N/A	277'	Au	Au
"	" " "	4-74	"	N/A	-45	N/A	486'		Au
"	" " "	5-74	"	N/A	-45	N/A	267'		Au
118	Kostynuk, A.	1	1969	North	-45	N/A	103'	py, asp	
"	" "	2	"	North	-45	N/A	105'	py, asp	
"	" "	3	"	North	-45	N/A	105'	py, asp	
119	Kostynuk, Alexander (Noranda Exploration Company Ltd.) (2.4969)	611-1-81	1981	210	-45	1.5m	33.2m	py, asp	Au
"	" " "	611-2-81	"	210	-45	7.6m	36.3m	py, asp	Au
120	Kostynuk Bros. (Richardson Lake)	1	1962	South	-45	0	105'		
"	" "	2	"	North	-45	0	102'		
121	Mentor Exploration and Development Comp. Ltd.	1	1968	South	-50	3'	299.5'	py, asp, mag, IF	Au
"	" " "	2	"	South	-50	8'	254'	IF, py, asp	Au
"	" " "	3	"	South	-50	3.1'	254'	py, IF, asp	Au

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DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
122	Mentor Exploration and Development Comp. Ltd.	4	1968	South	-45	3.5'	254'	IF, py, asp	Au
123	" " "	5	"	South	-50	14'	300'	IF, py	Au
"	" " "	6	"	South	-50	8'	252'	If, py, asp	Au
123	St. Joe Canada Inc. (Crawford, H.A.) (21-88)	PW87-06	1987	180	-50	10m	99m	py, IF, mag, asp	
124	Noranda Exploration Company Ltd.	634-1-81	1981	North	-70	4'	386'	py, mo	
"	" " "	634-2-81	"	N/A	-90	8'	184'	py, mo, cp	
"	" " "	634-3-81	"	South	-70	8'	386'	py, mo	
125	" " "	634-4-81	"	N/A	-90	12'	272'	py, mo	
"	" " "	634-5-81	"	N/A	-90	4'	276'	py, mo	
126	Noranda Exploration Company Ltd. (OM85-1-C-160)	GB-86-1	1986	090	-60	12'	437'	py, asp, mag, IF	Au
"	" " "	GB-86-2	"	360	-49	40'	307'	py, asp, IF, mag	Au
127	" " "	GB-86-3	"	090	-50	12'	307'	py, asp, po, Au	Au

● indicates core stored at Drill Core Library

DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
127	Noranda Exploration Company Ltd. (OM85-1-C-160)	GB-86-4	1986	360	-49	22'	427'	asp, py, IF, mag, hem	Au
"	" " "	GB-86-5	"	030	-49	32'	307'	py, IF	Au
128	" " "	GB-86-6	"	090	-60	102'	337'	py, Au, asp	Au
"	" " "	GB-86-7	"	090	-60	82'	246'	py, asp	Au
129	" " "	GB-86-8	"	140	-49	12'	242'	py, asp	Au
"	" " "	GB-86-9	"	135	-49	22'	247'	py	Au
130	" " "	GB-86-10	"	360	-49	12'	247'	py, IF	Au
131	" " "	GB-86-11	"	360	-49	22'	247'	py, mag, IF, asp, po	Au
132	" " "	GB86-12	"	090	-75	8'	547'	py, asp	Au
133	Placer Dome Inc. (28-89)	255B-10	N/A	180	-45	N/A	152m		
134	" " "	255B-11	N/A	180	-45	N/A	149m		
135	" " "	255B-12	N/A	180	-45	N/A	149m		
136	" " "	255B-06	1988	180	-45	16.48m	167m	py	
137	" " "	255B-5	N/A	180	-45	N/A	152m		

● indicates core stored at Drill Core Library

DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
138	Placer Dome Inc. (28-89)	255B-007	1988	180	-45	34.5m	185m	py	
139	" " "	255B-8	N/A	180	-45	N/A	167m		
140	" " "	255B-9	N/A	180	-45	N/A	152m		
141	St. Joe Canada Inc. (29-83)	HI83-01	1983	168	-45	7.75m	243m	py	
"	" " "	HI83-02	"	168	-45	5.8m	248.35m	py, cp, gn, mag	
"	" " "	HI83-03	"	168	-45	3.5m	230.5m	py	
"	" " "	HI83-04	"	168	-45	2.15m	143.5m	py, cp, Au, mag	
"	" " "	HI83-05	"	168	-45	3.6m	125m	py, Au, gf, cp	
141	St. Joe Canada Inc. (53-84)	HI84-06	1984	163	-45	3.66m	63.5m	py, mag, Au	
141	St. Joe Canada Inc. (74-84)	HI84-11	1984	140.5	-45	14m	70.7m	py	Au
141	St. Joe Canada Inc. (1-85)	HI84-28	1984	133	-45	2.55m	252m	py, mag, cp	
141	St. Joe Canada Inc. (19-85)	HI84-10	1984	140.5	-45	10.9m	76m	mag, py	

● — indicates core stored at Drill Core Library

DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
141	St. Joe Canada Inc. (19-85)	HI84-19	1984	104	-65	3m	427.5m	py, cp	
"	" " "	HI84-27	"	133	-60	2.2m	134m	py, cp, mag, Au	
"	" " "	HI84-22	"	133	-45	5.4m	238.2m	py, mag, Au	
141	St. Joe Canada Inc. (12-86)	HI84-14	1984	176	-45	3.5m	138m	py, mag	
"	" " "	HI84-24	"	133	-45	3m	107m	py, mag, cp	
"	" " "	HI85-37	1985	168	-45	1.7m	139m	py, mag, gf	
141	St. Joe Canada Inc. (OM83-1-C-198) File #2	HI84-07	1984	133	-45	2m	56.5m	py	Au
"	" " "	HI84-08	"	133	-45	3.8m	60m	py	Au
"	" " "	HI84-09	"	133	-45	3m	113m	py, mag	Au
"	" " "	HI84-12	"	133	-45	4.8m	97m	py, mag	Au
"	" " "	HI84-13	"	133	-50	1.4m	266m	py, mag, cp	Au
"	" " "	HI84-14	"	176	-45	3.5m	138m	py, mag	Au
"	" " "	HI84-15	"	133	-45	2m	62m	py	Au
"	" " "	HI84-16	"	133	-65	2m	150m	py, mag	Au

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DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
141	St. Joe Canada Inc. (OM83-1-C-198) File #2	HI84-17	1984	104	-70	3.8m	387.5m	py, mag, gf, cp, Au, po, hem	Au
"	" " "	HI84-18	"	113.5	-77	3m	390m	py, Au, cp, gf, mag	Au
141	St. Joe Canada Inc. (OM84-1-C-228) 1985 Final Report F.N. 2	HI85-33	1985	133	-60	2.12m	137m	py, Au	Au
"	" " "	HI85-34	"	223	-45	1.95m	98m	py, cp, mag, asp	Au
"	" " "	HI85-35	"	223	-45	0	95m	py, mag, cp	Au
"	" " "	HI85-36	"	133	-60	3.35m	180m	py, mag, cp	Au
"	" " "	HI85-38	"	133	-60	2m	150m	py, cp, Au, mag	Au
"	" " "	HI85-39	"	133	-45	2.6m	86m	py, cp	
142	St. Joe Canada Inc. (12-86)	HI85-31	1985	197	-45	4.2m	202.5m	py, pent, cp, po	
142	Bond Gold Canada (198-88)	PT-87-01	1987	197	-47	23.69m	254.44m	py, po, mag, cp, pent	
"	" "	PT-87-02	"	197	-47	25.40m	197.5m	py, hem	

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DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
142	Bond Gold Canada (198-88)	PT-87-03	1987	197	-47	16.30m	200m	py, cp, po, mag	
"	" "	PT-87-05	"	197	-58	19.1m	288m	py, gf, po, cp, mag, pent	
143	St. Joe Canada Inc. (122-85)	HI85-32	1985	343	-45	6.8m	93.5m	py	
144	St. Joe Canada Inc. (121-87)	PW87-01	1987	180	-45	3m	99m	py, po, IF, mag	
145	" " "	PW87-02	"	180	-45	1.2m	99m	py, po, asp, IF, mag	
146	Sudbury Contact Mines Ltd. (Koezur Option)	1	1970	S75W	-45	66'	450'	py	Au, Ag
147	" " "	2	"	S75W	-45	46'	549'	py, cp, po	Au, Cu, Ni, Ag
"	" " "	3	"	S75W	-45	97'	500'	py	Au
"	" " "	6	1971	S75W	-50	72'	457'	py	Au, Ag, Cu, Ni
148	" " "	4	"	S75W	-60	95'	553'	py	Au, Ag, Cu, Ni
149	" " "	5	"	S75W	-60	54'	601'	N/A	Au, Ag, Cu, Ni

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DRILLHOLE SUMMARY		Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)								
150	Veinott, Carl (55-86)	1	1986	200	-45	0	102.2'	py, po	
151	Gold Fields Canadian Mining Ltd. (20-90)	GF-90-133	1990	220	-45	12.5'	516'	py	
152	" "	GF-90-135	"	220	-45	16'	526'	py	
153	Noranda Exploration Company Ltd. (17-90), (19-90)	SC90-01	1990	0	-45	7.8m	352.3m	py	
154	" " "	SC90-02	"	180	-45	18.2m	425.5m	py, mag	
155	" " "	SC90-03	"	180	-45	62.8m	166.4m	py, cp, fl	
156	" " "	SC90-04	"	218	-45	80.0m	218.0m	py	
157	St. Joe Canada Inc. (12-86)	HI85-30	1985	197	-45.5	5.9m	149m	py, po, cp, mag, Au	
157	Bond Gold Canada Inc. (198-88)	PT-87-04	1987	197	-58	23.1m	53.0m	hem, py, mag	
"	" "	PT-87-06	"	287	-46	20.4m	186.5m	py, cp, mag, po, pent	
"	" "	PT-87-07	"	287	-46	20.85m	191m	py, cp, po, pent, mag	

● indicates core stored at Drill Core Library

Number on File Index Map(s)	AIRBORNE GEOPHYSICAL SURVEY DATA		Flight Altitude	Flight Line Direction	Flight Line Spacing
	- by - for - year	Type of Survey			
3	-by Geoterrex Otter AEM systems -for Amex Exploration Inc. -1973	NA	NA	NE-SW	1/8 mi.
10	-by Canadian Aero Mineral Surveys Ltd. -for Canex Aerial Explor. Ltd. -1969	Airborne Electromagnetic	150'	N-S and E-W	1/8 mi.
31	-by Canadian Aero Mineral Surveys Ltd. -for Falconbridge Nickel Mines Ltd. - 1969	a. Electromagnetic b. Magnetometer c. Gamma Ray Spectrometer	150'	N-S	1/8 mi.
37	-by Aerodat Ltd. -for Gold Fields Canadian Mining Ltd. -1985	a. Electromagnetic: Aerodat/ Geonics AEM System (932Hz and 4568Hz) b. VLF-EM: Herz Totem 1A c. Magnetics: Geometrics G803 proton precession magnetometer	60m	N25°E	1/8 mi. and 1/16 mi. (detail)
38	-by Aerodat Ltd. -for Gold Fields Canadian Mining Ltd. -1985	a. Electromagnetic: Aerodat/ Geonics AEM System (932Hz and 4568Hz) b. VLF-EM: Herz Totem 1A c. Magnetics: Geometrics G803 proton precession magnetometer	60m	N26°E and N22°W	200m and 100m (detail)

Number on File Index Map(s)	AIRBORNE GEOPHYSICAL SURVEY DATA		Flight Altitude	Flight Line Direction	Flight Line Spacing
	- by - for - year	Type of Survey			
30	-by Aerodat Ltd. -for Gold Fields Canadian Mining Ltd. -1985	a. Electromagnetic: Aerodat/ Geonics AEM System (932Hz and 4568Hz) b. VLF-EM: Herz Totem 1A c. Magnetics: Geometrics G803 proton precession magnetometer	60m	N25°E	1/8 mi. and 1/16 mi. (detail)
42	-by Aerodat Ltd. -for Gold Fields Canadian Mining Ltd. -1987	a. VLF-EM: Herz Totem 2A b. Magnetics: Scintrex Cesium	75m	N30°E	100m
49	-by Aerodat Ltd. -for Gold Fields Canadian Mining Ltd. -1987	a. VLF-EM: Herz Totem 2A b. Magnetics: Scintrex Cesium	60m	N15°E	100m
54	-by Aerodat Ltd. -for 4DX Ltd. (Golden Maverick Resources Corp.) -1985	a. Electromagnetic: Aerodat 3-frequency system (932Hz and 4527 Hz) b. VLF-EM: Herz Totem 1A	60m	E-W N-S N40°W	100m
69	-by Aerodat Ltd. -for Labrador Mining and Explor. Comp. Ltd. -1985	a. Electromagnetics: Aerodat 3-frequency system (932Hz and 4527Hz) b. VLF-EM: Herz Totem 1A c. Magnetics: Geometrics G803 proton precession magnetometer	60m	N68°W	200m

Number on File Index Map(s)	AIRBORNE GEOPHYSICAL SURVEY DATA		Flight Altitude	Flight Line Direction	Flight Line Spacing
	- by - for - year	Type of Survey			
76	-by Questor Surveys Ltd. -for Noranda Exploration Company Ltd. -1981	a. Mark VI Input (R) Airborne E.M. System b. Sonotek P.M.H. 5010 Proton Magnetometer	45m	N-S and N20°E	300m
87	-by Questor Surveys Ltd. -for St. Joe Canada Inc. -1986	a. VLF-EM: Herz Totem 2A b. Magnetics: Optically pumped helium magnetometer sensors	90m	N40°W	100m
94	-by Terraquest Ltd. -for Umex Inc. -1988	a. Magnetometer: GSM-9BA Proton precession type b. VLF-EM: Herz Totem 2A	100m	045°	100m

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA (see Exploration Data Map)		By	Reference
	Type of Survey	Analysis For		
1	Lake Sediment Geochemistry	Au, As, Cu, Pb, Zn, Ni, Co, Ag, Mo, Fe, Mn, B, Ba, Bi, Sb, Ti, V, Sr, Th, U, Mg, Al	BP Resources Canada Ltd.	Res. Geol. Off. Files, Red Lake (Toronto F.N.: 2.10005)
2	Soil Geochemistry (B horizon)	Cu, Zn, As, Mo, Ag, Pb, Hg, Au	Esso Resources Canada Ltd.	Res. Geol. Off. Files, Red Lake (Toronto F.N.: 2.10451)
3	Soil Geochemistry (B Horizon)	Cu, Zn, As, Mo, Ag, Pb, Hg, Au	Esso Resources Canada Ltd.	Res. Geol. Off. Files, Red Lake (Toronto F.N.: 2.11514)
4	Biogeochemical Survey (Green Alder leaf)	Au	Gold Fields Canadian Mining Ltd.	Res. Geol. Off. Files, Red Lake (Toronto F.N.: 2.10849)
5	Humus Geochemistry (Humus)	Au	Gold Fields Canadian Mining Ltd.	Res. Geol. Off. Files, Red Lake (Toronto F.N.: 2.12273)
6	Humus Geochemistry (Humus)	Au	Gold Fields Canadian Mining Ltd.	Res. Geol. Off. Files, Red Lake (Toronto F.N.: OM86-1-C-066, File No. 1)

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA (see Exploration Data Map)		By	Reference
	Type of Survey	Analysis For		
6	Rock and Soil Geochemistry (B Horizon)	Au, As	Maple Leaf Petroleum Ltd.	Res. Geol. Off. Files, Red Lake (Toronto F.N.: OM85-1-C-126)
7	Humus Geochemistry (Humus)	Au	Gold Fields Canadian Mining Ltd.	Res. Geol. Off. Files, Red Lake (Toronto F.N.: OM86-1-C-066, File No. 6)
8	Humus Geochemistry (Humus)	Au, As	Golden Terrace Resources Corp.	Res. Geol. Off. Files, Red Lake (Toronto F.N.: 2.9812)
9	Rock and Soil Geochemistry (B horizon)	Au, As	Maple Leaf Petroleum Ltd.	Res. Geol. Off. Files, Red Lake (Toronto F.N.: 2.8532)
10	Tailings Sampling Geochem (Mine Tailings)	Au	Noranda Exploration Company Ltd.	Res. Geol. Off. Files, Red Lake (Toronto F. N.: OM85-1-C-160)
11	Whole Rock Geochemistry (Rock Samples)	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , FeO, MgO, CaO, Na ₂ O, K ₂ O, TiO ₂ , MnO, P ₂ O ₅ , L.O.I., Sp.Gr.	Ontario Dept. of Mines	M.P. 6, pp. 88-89

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA (see Exploration Data Map)		By	Reference
	Type of Survey	Analysis For		
12	Whole Rock Geochemistry (Rock Samples)	SiO ₂ , TiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , FeO, MnO, MgO, CaO, Na ₂ O, K ₂ O, P ₂ O ₅ , CO ₂ , S, H ₂ Ot, H ₂ O-, L.O.I., Trace Elements: Be, Co, Cr, Cu, Ni, Pb, Sc, Sr, V, Y, Zn	Ontario Geological Survey	OGS Open File Report 5685, pp. 77-85

Site No on Map	GEOCHRONOLOGY DATA - AGE DATING			
	Method	Material	Reference	Result

AERIAL PHOTOS; MOSAICS; IMAGERY

The following items are available for inspection at the Resident Geologists Office:

(a) Aerial Photographs:

1. 1" to 1/4 mile, black and white, 1975

(b) Photomosaics:

1. Existing 1/15,840 air photos, flown in 1983, were enlarged and assembled into a 1/1,200 (1"=100') mosaic by McElhanney Mapping Services, for Gold Fields Canadian Mining Ltd. (Res. Geol. Off., Red Lake: Gold Fields Canadian Mining Ltd. General File OM86-1-C-066)

(c) Satellite Imagery:

TOPOGRAPHIC MAPS (selected)

scale	year	name and/or number	by
1:250 000	1974	Trout Lake ; 52N Edition 3	Dept. Energy, Mines and Resources
1:50 000	1976	Birch Lake; 52N/8 Edition 1	Dept. Energy, Mines and Resources

NEWSPAPER CLIPPINGS FILE (selected)

PAPER	DATE	PAGE	"ARTICLE HEADLINE" OR COMPANY AND/OR SUBJECT
Source Paper Unknown	April 6, 1961	?	Alcon Syndicate Active at Red Lake
Northern Miner	July 27, 1939	?	Jason Mines Has 150 ft. of Ore
Northern Miner	Aug. 21, 1969	?	Mine Was Closed in 1952 New Jason Still Inactive
Northern Miner	Dec. 18, 1975	?	New Jason Proposes Distribution of Assets
Northern Miner	Apr. 18, 1974	?	Bonnacord Options New Jason Property
Northern Miner	Aug. 23, 1951	?	New Jason Ready For Deep Drilling
The Globe and Mail	Aug. 1937	?	New Jason Mines In High Values on 700 ft. Level
Northern Miner	Oct. 15, 1970	?	New Jason Still Inactive and Without Funds
Northern Miner	Apr. 5, 1973	?	New Jason Dormant Subsidiaries Too
Kenora Miner	Oct. 19, 1945	?	Springpole Reports New Gold Discovery
Northern Miner	Nov. 5, 1970	?	Sudbury Contact Finds Modest Indications
Northern Miner	Nov. 26, 1970	?	Interesting Zone Found in Drilling By Sudbury Contact
Northern Miner	May 27, 1971	?	Sudbury Contact Plan Busy year
The Pre-Cambrian	May 1936	16	Ellen Gold Starting Exploration of Claim Group at Casummit Lake
Northern Miner	?	?	Noront Putting Six Drills on Newfoundland, Ontario claims
George Cross News Letter	Dec. 20, 1989	3	Noront Resources Ltd.

NEWSPAPER CLIPPINGS FILE (selected)

PAPER	DATE	PAGE	"ARTICLE HEADLINE" OR COMPANY AND/OR SUBJECT
Vancouver Stockwatch	Dec. 18, 1989	?	Noront Resources Ltd. - Uchi Lake, Horseshoe Island Project
George Cross News Letter	Jan. 17, 1986	2	Norman Resources Ltd. - Drill Test is Imminent in Red Lake Camp in Ontario
Northern Miner	Oct. 28, 1985	11	Golden Terrace Merged with Golden Maverick
George Cross News Letter	Dec. 5, 1986	4	Gabbs Resources Ltd.
George Cross News Letter	Aug. 7, 1987	3	Gabbs Resources Ltd. - Half Interest Being Earned in Ontario Gold Prospect
George Cross News Letter	Sept. 25, 1987	3	Gabbs Resources Ltd. - Ontario Property Joint Ventured With St. Joe
George Cross News Letter	Jan. 21, 1988	4	Gabbs Resources Ltd.
George Cross News Letter	Jan. 26, 1988	1	Gabbs Resources Ltd. - Drill Test is to Start Mid-February in Ontario
Vancouver Stockwatch	Dec. 19, 1988	?	Gabbs Refuses to Pay Phase II Drilling Costs for Red Lake
Northern Miner	Mar. 5, 1981	B44	Gold Fields to Seek Massive Sulphides
Vancouver Stockwatch	May 30, 1989	?	Corptech Industries Ltd. - Negotiations to Acquire Interest in Springpole Project, Ontario
Vancouver Stockwatch	Oct. 30, 1989	1	Akiko-Lori Gold Resources Ltd. - Interest to be Earned in Springpole Project

NEWSPAPER CLIPPINGS FILE (selected)

PAPER	DATE	PAGE	"ARTICLE HEADLINE" OR COMPANY AND/OR SUBJECT
Northern Miner	Nov. 6, 1989	A7	Stock Markets - Akiko-Lori Gold Resources Ltd
George Cross News Letter	Jan. 9, 1990	?	Akiko-Lori Gold Resources Ltd. - Drilling Begins
Vancouver Stockwatch	Jan. 26, 1990	?	Akiko-Lori Gold Resources Ltd. - Acquisition
George Cross News Letter	Jan. 29, 1990	?	Akiko-Lori Gold Resources Ltd.
Vancouver Stockwatch	Feb. 20, 1990	?	Akiko-Lori Gold Resources Ltd. - Springpole Project Assay Results
George Cross News Letter	Feb. 21, 1990	?	Akiko-Lori Gold Resources Ltd. - Springpole Drill Results
Northern Miner	Feb. 26, 1990	17	Significant Widths at Springpole
George Cross News Letter	Mar. 5, 1990	2	Akiko-Lori Gold Resources Ltd. - Springpole Project Underway
Vancouver Stockwatch	Mar. 5, 1990	?	Akiko-Lori Gold Resources Ltd. - 3 Drill Rigs Mobilized to Springpole Project
George Cross News Letter	Sept. 5, 1986	1	Nexus Resources Corp. - Gold Encountered in Birch Lake Drill Program
George Cross News Letter	Sept. 23, 1986	?	Nexus Resource Corp. - Gold Assays Awaited From Red Lake
George Cross News Letter	Sept. 25, 1986	?	Nexus Resource Corp. - Drilling Tests Gold on Birch Lake Claims
Northern Miner	Oct. 13, 1986	22	Nexus Drilling on Birch Lake bet

NEWSPAPER CLIPPINGS FILE (selected)

PAPER	DATE	PAGE	"ARTICLE HEADLINE" OR COMPANY AND/OR SUBJECT
George Cross News Letter	Oct. 14, 1986	2	Nexus Resource Corp. - Progress of Drilling on Gold Property in Ontario Reported
George Cross News Letter	Nov. 21, 1986	2	Nexus Resource Corp. - Additional Flow-Through Funding Arranged
George Cross News Letter	Jan. 13, 1987	1	Nexus Resource Corp. - Phase 1 Work Outlined Gold-Bearing Tonnage
George Cross News Letter	Jan. 30, 1987	1	Nexus Resource Corp. - Another \$1,000,000 Provided For Exploration in Canada
George Cross News Letter	May 8, 1987	2	Nexus Resource Corp. - Platinum is One of Precious Metals in Ontario Drilling
Northern Miner	May 25, 1987	3	2nd Phase of Program Finished at Birch Lake
George Cross News Letter	Jan. 19, 1988	4	Nexus Resource Corp.
Northwest Prospector	Mar. 10, 1987	32	Nexus Resource Corp. - Horseshoe Island Gold Discovery on Target
Vancouver Stockwatch	Apr. 10, 1989	?	Nexus Resource Corp. - Nexus to Option 40% interest in Birch Lake Property to Noranda
Northern Miner	Jan. 19, 1987	1	Nexus Spending to Soar on St. Joe Red Lake Bet
George Cross News Letter	Nov. 6, 1987	2	Nexus Resource Corp. - New Drilling Phase Starts on Ontario Gold Prospect
Northern Miner	Mar. 19, 1990	3	Two Drill Rigs Working at Springpole Gold Bet

OGS/ODM GENERAL INDEX SEARCH

Words Searched:	Index Volume	Listing	Report Volume	Part	Page	
Alcon Syndicate	I	No Listings Found				
Amex Syndicate						
Argosy Gold Mines	II	No Listings Found				
Birch Lake						
Blondin Occurrence	III	Argosy Gold Mine: Accident Rate: (1936)	46	1	243	
Bonnacord Explor.			Accident Rate: (1937)	47	1	255
Bralorne Can-Fer		Acquired by Jason Mines	49	1	134	
Brengold Mines Ltd.		Geology and workings	45	4	28,29	
Canex Aerial Explor.		Report and plans	46	7	16-25	
Casey Contact G. M.		Rocks, photomicrographs	46	7	8,9,25	
Casey Mtn. Operating		Mill capacity: (1937)	47	1	21	
Casey Summit Gold		(1938)	48	1	25	
Casummit Lake		Operations: (1935)	45	1	80	
Cochenour Willans		(1936)	46	1	97	
Cooper and Barry		(1937)	47	1	87	
Dickenson Mines Ltd.		(1938)	48	1	20,76	
Dome Explor. (Canada)		(1939)	49	1	20,134	
Ellen Gold Mines Ltd.		Incorporated	45	1	51	
Falconbridge Nickel		Plant, photos	45	4	29	
Finn Occurrence		Production: (1936) facing	47	1	10	
Floregold Red Lake M.		(1937) facing	48	1	10	
Fredrick Yellowknife		(1938) facing	49	1	10	
Goldsearch	III	Birch Lake Area: Gold Mining Activities				
Graham Occurrence			(1938)	48	1	20
Grand Bay Explor.			(1939)	49	1	21
Hanson		Reports: Birch-Springpole Lake Area	45	4	-	
Hatch Occurrence	III	Blondin Gold Claims: Mineralization	42	6	36	
Hewitt-Ziyone Group						
Horseshoe Island	III	Bregold Gold Claims: Geology and Workings	46	7	25,26	
Jason Gold Mines Ltd.			Location, see Map 46f	46	7	
Johnson-Dynes Occurr.						
Joneston Lake						
Koezur Property						
Kostynuk Property						
Lundberg Group						

OGS/ODM GENERAL INDEX SEARCH

Words Searched:	Index Volume	Listing	Report Volume	Part	Page
McIntyre Porcupine Mentor Explor. & Dev. Mink Lake Moran, J. L. New Jason Mines Peterson-McDougall -Bergstrad Sanders, Harry Selco Explor. Springpole Gold Mines Springpole Lake Sudbury Contact Mines Utah Mines Windigokan Sturgeon Williams Property Williamson, R. G.	III	Casey Contact Gold Mines Ltd: Officers	45	1	89
		Succeeded by Brengold Mines	46	1	106
	III	Casey Mountain Operating Syndicate Ltd: Capital, officers	36	1	153
		Gold Claims, geology	46	7	26
		Location, see Map 46f	46	7	
	III	Casey Summit Gold Mine: Acquired by Argosy Gold Mines	45	1	80
		Geology, report and sketch map	42	6	30-34
		Operations, Capital, officers: (1931)	41	1	67
		(1932)	42	1	64
		(1933)	43	1	64
		(1934)	44	1	77
		Plant, photo	42	6	31
		Mill, capacity	45	1	24
		Production (1934)	44	1	11
	III	Cooper, W. D. and Barry, P. A.: Gold Claims, Birch Lake Area, geology	45	4	22,23
		Operations: (1934)	44	1	86
		(1935)	45	1	97
		Production: (1934)	46	1	15
	III	Ellen Gold Claims: Exploratory Work on Geology	42	6	34
		Location, see Map 46f	46	7	27
	Incorporated (Ellen Gold Mines Ltd.)	46	7		
		44	1	45	
III	Finn Gold Claims: Mineralization	42	6	36	

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Words Searched:	Index Volume	Listing	Report Volume	Part	Page
	III	Graham Gold Claims: Mineralization	42	6	37
	III	Hatch Gold Claims: Mineralization	42	6	34-36
	III	Hewitt-Ziyone Group Gold Claims: Gold Discovery	46	7	4
		Geology and workings	46	7	27, 28
		Mineralization	42	6	39
	III	Jason Mines Ltd: Capital, Officers, Operations Incorporated	49	1	134
			48	1	47
	III	Johnson-Dynes Gold Claims Report on Mineralization	45	4	22
			42	6	39, 40
	III	Joneston Lake: Glacial deposits	42	6	29
		Gold claims	42	6	34-37
		Rocks	42	6	27-28
	III	McIntyre Gold Claims: Report, photo and sketch map	42	6	40, 41
	III	Mink Lake: Glacial deposits	42	6	29
		Gold Claims	42	6	35, 36
		Rocks	36	3	105
			42	6	26, 28

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Words Searched:	Index Volume	Listing	Report Volume	Part	Page
	III	Moran Syndicate: Gold Claims	46	7	28,29
	III	Lundberg Group: Gold Claims	46	7	28
	III	Williamson, R. G.: of Casey Mountain Operating Synd. Casey Summit Gold Mines	36 41 44	1 1 1	153 67 77
	IV	Argosy Gold Mines: Historical notes Production (1940) facing Succeeded by Jason Mines	58 50 50	1 1A 1	Table VI 8 55
	IV	Cooper, W. D. and Barry, P. A. Gold Production	59	1	Table VII
	IV	Floregold Red Lake Mines Ltd.: Incorporated	56	1	45
	IV	Fredrick Yellowknife Mines Ltd: Incorporated	55	1	49
	IV	Jason Mines Ltd.: Historical note Capital, Operations, Officers: (1940) (1941) (1942) (1945) (1946) (1947)	58 50 51 52 55 56 57	1 1 1 1 2 2 2	Table VI 55,56 119,120 120 36,37 41,42 41,42

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Words Searched:	Index Volume	Listing	Report Volume	Part	Page
	IV	Jason Mines Ltd.: (Cont.)			
		Production: (1941) facing	51	1	16
		(1942) facing	52	1	10
		(1946) facing	56	1	10
		(1947) facing	57	1	10
		Dividends (1941)	59	1	11,16
		Name changed	58	1	46
		Profit tax: (1942)	52	1	47
		(1943)	53	1	48
		Succeeded by New Jason Mines	58	2	60
	IV	McIntyre Gold Claims:			Table
		Production	58	1	VI
	IV	New Jason Gold Mine:			Table
		Historical Note	58	1	VI
		Mill Capacity	59	1	25
		Operations, capital, officers: (1948)	58	2	60,61
		(1949)	59	2	58,59
		Production (1949) facing	59	1	10
		Statistics	59	1	Table
					VIII
		Change of Name	58	1	46
	IV	Springpole Mines Ltd.:			
		Incorporated	55	1	53
	V	Cooper, W. D. and Barry, P. A.:			
		Gold Production	64	1	24
	V	New Jason Mines Ltd.:			
		Mill Capacity	64	1	37
		Capital, officers, operations: (1950)	60	2	55
		(1951)	61	2	57
		(1952)	62	2	59,60

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Words Searched:	Index Volume	Listing	Report Volume	Part	Page
	V	New Jason Mines Ltd.: (Cont.)			
		Dividends	64	1	33,36
		Production (1950) facing	60	1	12
		(1951) facing	61	1	12
		(1952) facing	62	1	10
		Statistics (to 1952)	64	1	25
	VI	New Jason Gold Mine Mill Capacity (1957)	67	1	15
	VII	Jason Mines Ltd.: Fatality	47	Bul. 133	
	VIII	Argosy Mine	MP006		75,76, 93,94
	VIII	Birch Lake Occurrences	MRC011		222 -223
	VIII	Birch-Uchi-Confederation Lakes Areas: Gold	MP006		70-82
		Volcanic studies of the area, Reports and charts on, 1967 by A. M. Goodwin	MP006		
		Summary of Field Work (gravity) 1975 By: R. B. Barlow, V. K. Gupta and D. R. Wadge	MP063		141 -143
	VIII	Casummit Lake	MP006		16-79
	VIII	Casummit Lake Area: Gold	AR074 AR075 AR076		37 35 38

OGS/ODM GENERAL INDEX SEARCH

Words Searched:	Index Volume	Listing	Report Volume	Part	Page
	VIII	Casummit Lake Occurrences:	MRC011		223
	VIII	Hatch Mineral Occurrence	MP006		94
	VIII	Hewitt-Ziyone Mineral Occurrence	MP006		94
	VIII	Jason Mine: Mining property, report on	MRC013		230 -231
	VIII	Kostynuk Brothers Ltd.: Casummit Lake Area Mining property, report on	AR074 AR075 AR076		37 35 38
	VIII	Mink Lake	MP006 MP033		11,40, 43,71, 78 12,13
	VIII	Springpole Lake	MP007		10,11 38-91
	IX	Argosy Mine	MP075		9
	IX	Birch Lake Area: Placer Gold Summary of Field Work, 1977 By: P. C. Thurston Summary of Field Work, 1978 By: P. C. Thurston Tourmaline	MDC017 MP075 MP082 MP070		173 9-11 13-15 409

Casummit Lake Area

OGS/ODM GENERAL INDEX SEARCH

Words Searched:	Index Volume	Listing	Report Volume	Part	Page
	IX	Birch-Red Lake Area: Summary of Field Work (Gravity), 1978 By: V. K. Gupta	MP082		171 -174
	IX	Bralorne Can-Fer Resources Ltd.: Birch Lake Area	MP075 MP082		10 12
	IX	Canex Aerial Explor. Ltd.: Birch Lake Area	MP075 MP082		10 13
	IX	Cochenour Willans Gold Mine Ltd.: Birch Lake Area	MP082		13
	IX	Dickenson Mines Ltd.: Birch Lake Area	MP082		13
	IX	Dome Explor. (Canada) Ltd.: Birch Lake Area	MP075 MP082		10 13
	IX	Grand Bay Explor. Ltd.: Birch Lake Area	MP082		13
	IX	Koezur, K.: Birch Lake Area	MP082		14
	IX	Kostynuk, M.: Birch Lake Area	MP082		13, 14
	IX	McIntyre Mines Ltd.: Birch Lake Area	GR177 MP075		47 10

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Words Searched:	Index Volume	Listing	Report Volume	Part	Page
	IX	Selco Mining Corp. Ltd.: Birch Lake Area	GR177 MP075 MP082		50 10 14
	IX	Sudbury Contact Mines Ltd.: Birch Lake Area	MP075		9-10

Casummit Lake Area

Author	Date	SELECTED REFERENCES		Map Scales and/or Report Pages
		Title	Reference	
Atkinson, B.T., Parker, J.R. & Storey, C.C.	1990	Red Lake Resident Geologist's District - 1989 Report of Activities	OGS MP 147	p. 41-68
Atkinson, B.T. & Storey, C.C.	1989	Red Lake Resident Geologist's District - 1988 Report of Activities	OGS MP 142	p. 47-63
Barron, K.M., Duke, N.A. & Hodder, R.W.	1989	A High Level Archean Alkaline- Carbonatite Complex, Springpole Lake, N.W. Ontario	GAC-MAC Annual Meeting, Program with Abstracts, vol. 14	p.A72
Barron, K.M., Duke, N.A. & Hodder, R.W.	1989	Petrology of the Springpole Lake Alkalic Volcanic Complex; in Geoscience Research Grant Program Summary of Research 1988-1989	OGS MP143	p.133-145
Beakhouse, G.P.	1985	Geology of Birch Lake Area (Southwestern Half); in Summary of Field Work and Other Activities	OGS MP 126	p. 8-12
Beakhouse, G.P.	1987	Geology of the Birch Lake Area, District of Kenora, Patricia, in Summary of Field Work and Other Activities, 1987	OGS MP 137	p. 99-103
Beakhouse, G.P.	1989	Geology of the Western Birch Lake Area, Kenora District, Patricia Portion	OGS OFR 5700	106 pages 1:15 840 1"=1/4mi.
Beakhouse, G.P., Forsythe, D.M., Scott, K.V. & Wallace, Henry	1989	Geology of the Western Birch Lake Area, Southern Half, District of Kenora (Patricia Portion)	OGS Map P.3118	1"=1/4mi. 1:15 840

Author	Date	SELECTED REFERENCES		Map Scales and/or Report Pages
		Title	Reference	
Beakhouse, G.P. & McNeil, A.	1989	Geology of the Western Birch Lake Area, Northern Half, District of Kenora (Patricia Portion)	OGS Map P.3117	1"=1/4mi. 1:15 840
Burrows, D.R. & Spooner, E.T.C.	1987	Generation of a Magmatic H ₂ O-CO ₂ Fluid Enriched in Mo, Au, and W within an Archean Sodic Granodiorite, Mink Lake, Northwestern Ontario	Economic Geology ,Vol. 82	p.1931- 1957
Burwash, E.M.	1920	A Geological Reconnaissance into Patricia, Ontario	ODM Vol. 29, pt. 1	p. 157-192
Cooper, B.D.	1985	Hydrothermal alteration associated with gold mineralization at the the Horseshoe Island granodiorite intrusion, Ontario	Unpublished B.Sc. Thesis Univ. of Waterloo	50 pages
Donaldson, A.J. & Jackson, G.D.	1969	Geology Trout Lake, Ontario	GSC Map 1200 A	1"=4mi. 1:253 440
Ferguson, S.A., Brown, D.D., Davies, J.C. & Pryslak, A.P.	1968	Red Lake - Birch Lake Sheet, Geological Compilation, Compilation Series	ODM Map 2175	1"=4mi. 1:253 440
Furse, G.D.	1934	Geology of the Shabumeni - Birch Lakes Area,	ODM Vol. 42, pt. 6, with map 42d	p. 21-51 1"=1mi. 1:63 360
Gerow, M.C. & Bellinger, J.A.	1990	Springpole Lake Fluorite-bearing Carbonatite by D.M. Conrod; in Northwestern Region Industrial Minerals Program - 1989 Report of Activities	OGS MP147	p.161-179

Author	Date	SELECTED REFERENCES		Map Scales and/or Report Pages
		Title	Reference	
Good, D.J.	1985	Geology of the Birch Lake Area (Eastern Half), District of Kenora (Patricia Portion); in Summary of Field Work and Other Activities, 1985	OGS MP 126	p. 13-16
Good, D.J.	1986	Geology of Birch Lake Area (Eastern Half), District of Kenora, Patricia Portion	OGS OFR 5627 with map P.2964	58 pages 1"=1/4mi. 1:15 840
Good, D.J.	1986	Birch Lake Area (Eastern Half), District of Kenora (Patricia Portion); in Summary of Field Work and Other Activities, 1986	OGS MP 132	p. 25-29
Good, D.J.	1988	Geology of the East Half of the Birch Lake Area, District of Kenora, Patricia Portion	OGS OFR 5685 with 4 maps	131 pages 1"=1/4mi. 1:15 840
Good, D.J., Dawson, D. & Wu, C.	1986	Geology of the Birch Lake Area (Eastern Half), District of Kenora (Patricia Portion)	OGS Map P.2964	1"=1/4mi. 1:15 840
Goodwin, A.M.	1967	Volcanic Studies in the Birch-Uchi Lakes Area of Ontario	ODM MP 6	96 pages
Gordon, J.B.	1977	Gold Deposits of Ontario, West Central Sheets, Districts of Kenora (Patricia Portion), Thunder Bay, Algoma and Cochrane	OGS Map P.1227	1"=16mi. 1:1 013 760
Greig, J.W.	1928	Woman and Narrow Lakes Area, District of Kenora (Patricia Portion)	ODM vol. 36, pt. 3, with map	1"=2mi. 1:126 720 36e

Author	Date	SELECTED REFERENCES		Map Scales and/or Report Pages
		Title	Reference	
Gupta, V.K. & Wadge, D.R.	1986	Gravity Study of Birch, Uchi and Red Lakes Area, District of Kenora (Patricia Portion)	OGS Report 252 with Maps 2492, 2493, 2494, 2495	1:250 000 98 pages
Harding, W.D.	1936	Geology of the Birch-Springpole Lakes Area	ODM Vol. 45, pt. 4, with map 45c	33 pages 1"=1mi. 1:63 360
Horwood, H.C.	1938	Geology of the Casummit Lake Area and Argosy Mine	ODM Vol. 46, pt. 6, with map 46f	p. 26-35 1"=1 200' 1:14 400
Lavigne Jr., M.J., & Atkinson, B.T.	1985	Red Lake Resident Geologist's Area - 1984 Report of Activities	OGS MP122	p. 35-43
Lavigne Jr., M.J. & Atkinson, B.T.	1988	Red Lake Resident Geologist's Area - 1987 Report of Activities	OGS MP138	p.41-60
Meyn, H.D. & Robertson, James, A	1975	Iron Deposits of Ontario, West Central Sheet, Districts of Kenora (Patricia Portion), Thunder Bay, Algoma and Cochrane	OGS Map P.1041	1"=16mi. 1:1 013 760
ODM-GSC	1960	Aeromagnetic Series, Sheet 52 N/8, Birch Lake, Kenora District, Ontario	Geophysics Paper 883	1"=1mi.
ODM-GSC	1963	Aeromagnetics Series, Sheet 52/N, Trout Lake, Ontario	Geophysics Paper 7011	1"=4mi.
OGS-GSC	1977	Airborne Gamma-Ray Spectrometry Survey, Trout Lake Sheet, District of Kenora (Patricia Portion) Geophysical Series	Maps P.1390 to 1396	

Author	Date	SELECTED REFERENCES		Map Scales and/or Report Pages
		Title	Reference	
Panagapko, D.A. & Gibson, J.C.	1980	Casummit Lake Area, Data Series, District of Kenora (Patricia Portion)	OGS Map P.2020	1"=1/4mi.
Nelson, S.E.	1982	Birch Lake Area, District of Kenora (Patricia Portion); in Summary of Field Work, 1982	OGS MP 106	p. 8-9
Springer, Janet	1978	Ontario Mineral Potential, Trout Lake Sheet, District of Kenora (Patricia Portion)	OGS Map P.1543	1:250 000
Springer, J.S., Robertson, J.A. & Vos, M.A.	1982	Mineral Potential Map of Ontario, West Central Sheet, NTS 41 NW, 42 W, 43 SW, 52, 53 SE	OFR 5326	1"=16mi.
Thurston, P.C.	1977	Birch Lake Area, District of Kenora, Patricia Portion; in Summary of Field Work, 1977	OGS MP 75	p. 9-11
Thurston, P.C.	1978	Birch Lake Area, District of Kenora, Patricia Portion; in Summary of Field Work, 1978	OGS MP 86	p. 13-15
Thurston, P.C.	1986	Geology of the Birch Lake Area, Kenora District, Patricia Portion	OGS OFR 5607 with 2 maps	96 pages 1:50 000
Thurston, P.C. & Bartlett, J.R.	1981	Trout Lake - Birch Lake Sheet, Compilation Series, Kenora District	OGS Map P.2386	1"=2mi. 1:126 720
Thurston, P.C. & Jackson, M.C. & Pirie, I.	1981	Geology of the Birch Lake Area, Kenora District, Patricia Portion	OGS Map P.2387	1:50 000

Note No	NOTES
N-1	Airborne electromagnetic map not included in file, ground geophysical follow-up maps are presented.
N-2	This file contains plans of underground workings, underground assay data and surface diamond drill plans. No diamond drill logs are present. In addition, underground mine plans are available for viewing at Resident Geologist's Office, Red Lake.
N-3	Limited geological mapping presented on diamond drill plan.
N-4	This file contains proof of payment receipts for soil geochem samples and rock sample assays and analyses. No actual assay or analytical data is presented.
N-5	This is a general file logistics report for Gold Fields Canadian Mining Ltd. The file contains orthophoto maps presented as a photomosaic illustrating elevation contours. In addition, the file contains a boundary retracement land survey of Gold Fields Canadian Mining Ltd. claim group, and an elevation profile showing surveyed drill hole collars along one grid line.
N-6	The diamond drill hole data for ML87-1 was also reported in Gold Fields Canadian Mining Ltd. File Number 39-87 and is indicated on the Exploration Data Map as drilling location number 23 (Assessment Files, Resident Geologist's Office, Red Lake).
N-7	This file contains personal correspondence reporting diamond drill data completed by Bonnacord Explorations Ltd. in 1974 on the New Jason property.
N-8	The diamond drill data reported in this file was actually performed and submitted by Noranda Exploration Company Ltd., File Number 2.4969.
N-9	This file contains information regarding the re-sampling of old 1944 trenches with a brief geological description.

Note No	NOTES
N-10	<p>This file contains references to diamond drilling completed on the property, but drill logs are not available in the Assessment Files, Resident Geologist Office, Red Lake. The file mentions three diamond drill holes completed by Grand Bay Explorations Ltd. in 1978, and an 18 diamond drill hole program carried out by Noranda Exploration Company Ltd. during 1982-83. Drill hole locations are present for Noranda's drill program, however, drill logs are absent. In addition, Noranda cleaned out and resampled several of the old trenches and conducted a geochemical sampling program on the mine tailings pile.</p>
N-11	<p>This file contains diamond drill hole locations for holes 255B-5 to 12 inclusive, however, only drill logs for holes 255B-6 and 7 are in the file.</p>
N-12	<p>This file refers to ten diamond drill holes (about 1300 feet in all) drilled during August 1936. Drill hole locations are indicated on a property map however, no drill logs are present in the file. (The actual drill logs are located in the Windigokan Sturgeon Mining Syndicate file).</p>
N-13	<p>Magnetic maps missing from this file.</p>
N-14	<p>This file contains assay data for previous reported diamond drill holes HI83-01 to HI83-05 (File Number 29-83). In addition, geological rock description are accompanied by thin section petrographic analysis and an and major and trace element analysis.</p>
N-15	<p>This file consists of a final report on OMEP application, OM-83-1-C-198 and duplicates information previously reported in earlier files submitted by St. Joe Canada Inc.</p>
N-16	<p>This file contains some previously reported diamond drill holes by St. Joe Canada Inc. with assay data included.</p>

Note No	NOTES
N-17	<p>This file contains reference to diamond drilling completed on the property which was not filed in the Assessment Files, Resident Geologist's Office, Red Lake. The following is a summary of the work which has been done:</p> <p>1931 - Five diamond drill holes totalling 1,954 feet were completed by McIntyre Porcupine Mines Ltd. One intersection of 0.38 oz Au/ton over 13 feet was encountered in hole No. 31-4.</p> <p>1934 - Property leased to Cooper and Barry. A 90-foot vertical shaft was sunk with 155 feet of drifting completed on the 50 foot level. A 20 ton mill was erected, which produced approximately 200 ounces of gold.</p> <p>1935 - Cooper and Barry complete 2,000 feet of surface diamond drilling along strike of the main shear zone.</p> <p>1940- McIntyre Porcupine Mines Ltd. completed 7 diamond drill holes, totalling 3,185 feet, to test the main shear zone.</p>

ADDENDA

CONVERSION FACTORS

Conversion from SI to Imperial			Conversion from Imperial to SI		
SI Unit	Multiplied by	Gives	Imperial Unit	Multiplied by	Gives
LENGTH					
1 mm	0.039 37	inches	1 inch	25.4	mm
1 cm	0.393 70	inches	1 inch	2.54	cm
1 m	3.280 84	feet	1 foot	0.304 8	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	1.609 344	km
AREA					
1 cm ²	0.155 0	square inches	1 square inch	6.451 6	cm ²
1 m ²	10.763 9	square feet	1 square foot	0.092 903 04	m ²
1 km ²	0.386 10	square miles	1 square mile	2.589 988	km ²
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
VOLUME					
1 cm ³	0.061 02	cubic inches	1 cubic inch	16.387 064	cm ³
1 m ³	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m ³
1 m ³	1.308 0	cubic yards	1 cubic yard	0.764 555	m ³
CAPACITY					
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	4.546 090	L
MASS					
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	31.103 476 8	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	0.453 592 37	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	907.184 74	kg
1 t	1.102 311	tons (short)	1 ton (short)	0.907 184 74	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	1016.046 908 8	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	1.016 046 908 8	t
CONCENTRATION					
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t
OTHER USEFUL CONVERSION FACTORS					
1 ounce (troy) per ton (short)	20.0	pennyweights per ton (short)			
1 pennyweight per ton (short)	0.05	ounces (troy) per ton (short)			

One gram(g) per tonne is equivalent to one part per million (1 ppm)

Note: Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries, published by the Mining Association of Canada in cooperation with the Coal Association of Canada





For further information please contact

Resident Geologist's Office
Ministry of Northern Development and Mines
P. O. Box 324
Red Lake, Ontario
POV 2M0
(807)727-3272

MAP LEGENDS







A. FILES INDEX MAP

FILE AREAS See pages 4-1,2.... of text








-  Reference number is always inside work area outlined. See listing in text pages.
-  Small area of exploration data.
-  File covers whole township or area.
- 

B. EXPLORATION DATA MAP




MINERAL OCCURRENCES See pages 3-1,2.... of text

-  Mineral occurrence at surface, with reference letter.
-  Mineral occurrence with shaft depth given with reference letter.
-  Mineral occurrence reported but exact location uncertain with reference letter.
-  Mineralized float with reference letter.
-  Mineral occurrence encountered in drilling, with reference letter.
- 

DRILLHOLES See pages 5-1,2.... of text

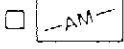

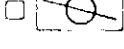
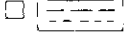
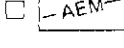
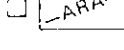
-  Location of single drillhole, with reference number.
-  Location of group of closely spaced drillholes with reference number.
-  Drillhole, exact location uncertain, with reference number.
-  Property with underground drillholes in this general area, with reference number.
-  Property with drillholes which have not been plotted on map, with reference number.
-  Reverse circulation drillhole, churn drilling, with reference number.
- 

GEOCHEMICAL See pages 7-1,2....of text

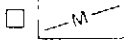
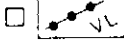
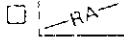

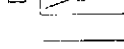
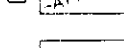
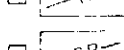


-  Geochemical sample site, with reference number.
-  Area of geochemical sampling with reference number.
- 

GEOPHYSICAL ANOMALIES



Airborne Surveys See pages 6-1,2.... of text

-  Airborne magnetic anomaly.
-  Airborne electromagnetic anomaly. Length of anomaly along flight line.
-  Airborne electromagnetic anomaly. Location of anomaly along flight line.
-  Airborne electromagnetic anomaly. Conductor axis: definite, probable, possible.
-  Airborne electromagnetic anomaly. Conductor axis. Location of flight lines uncertain.
-  Airborne radiometric anomaly.

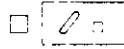
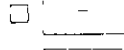

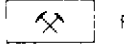
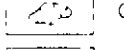
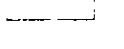
Ground Surveys

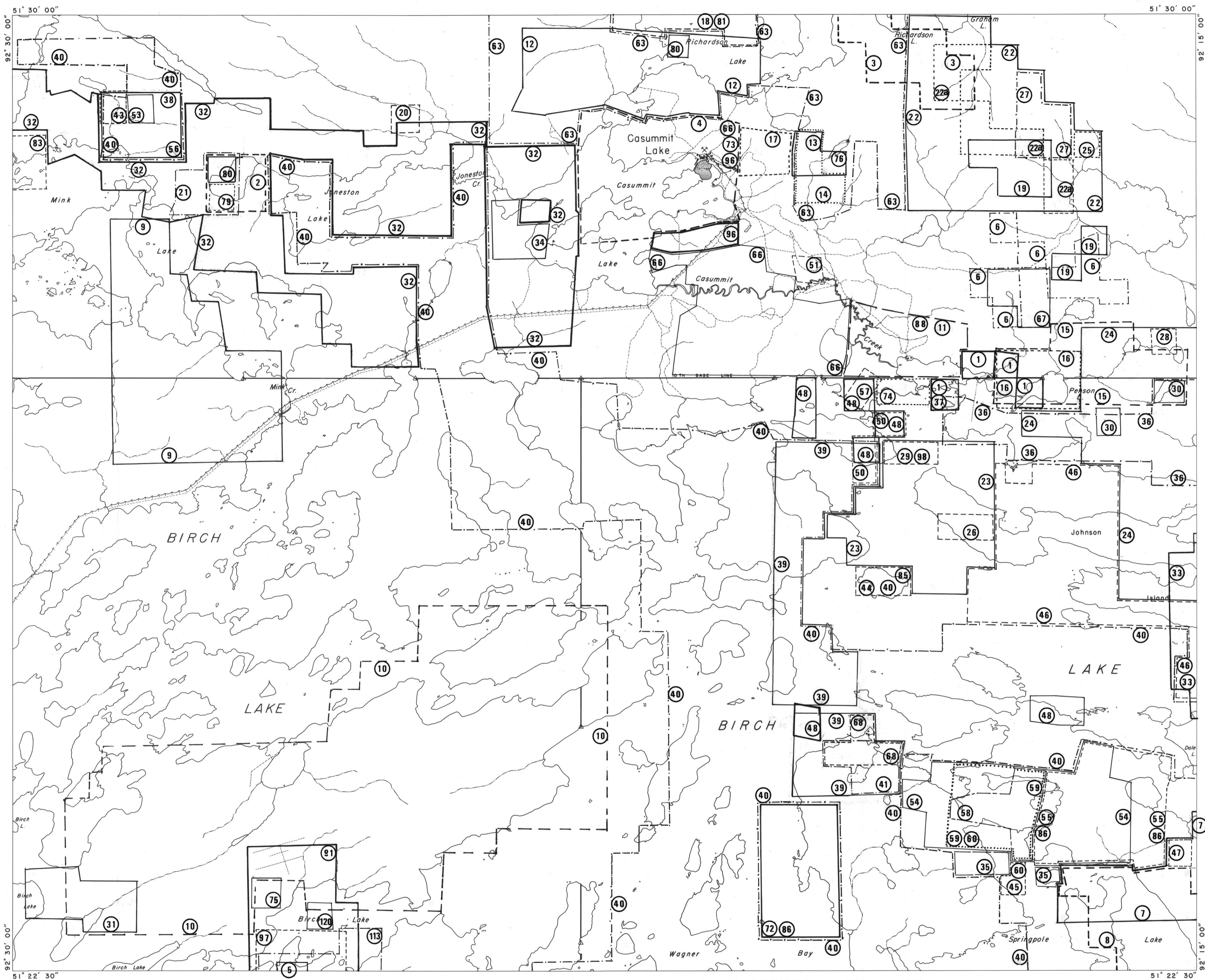
-  Ground magnetic anomaly.
-  Ground electromagnetic anomaly (VL - Vertical loop, HL - Horizontal loop, VLF - Very low freq., Turam, JEM - Crone Em - 16).
-  Ground radiometric anomaly.
-  Induced polarization anomaly.
-  Self potential anomaly.
-  Audio frequency magnetic anomaly (total intensity).
-  Resistivity anomaly.
-  Gravity anomaly.
- 

GEOCHRONOLOGICAL DATA See page 8 of text

-  Age dating material sampling site with reference number.
- 

MISCELLANEOUS DATA

-  Trenching pit.
-  Adit.
-  Sand and/or gravel pit.
-  Rock quarry.
-  Open pit.
- 



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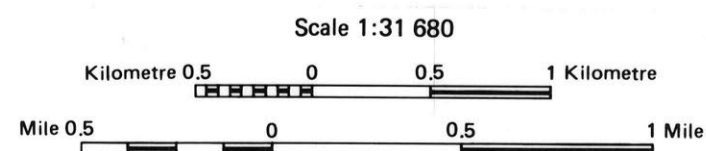
Mines and
Minerals
Division

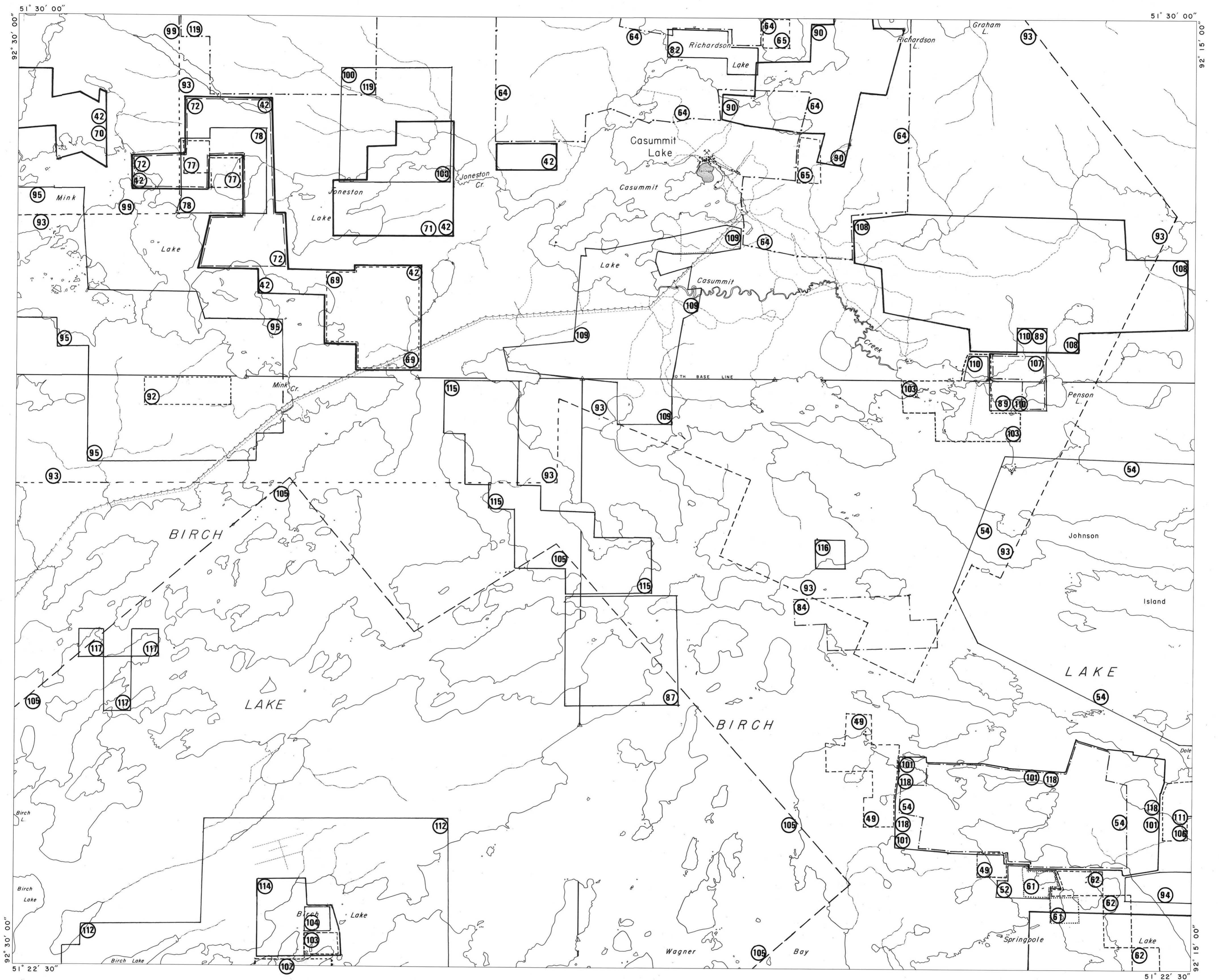
GEOLOGICAL DATA INVENTORY FOLIO 601

CASUMMIT LAKE AREA

A. FILES INDEX MAP (Map A-1)

SEE MAP LEGENDS ON BACK COVER OF
ACCOMPANYING TEXT





Ministry of
Northern Development
and Mines

Mines and
Minerals
Division

GEOLOGICAL DATA INVENTORY FOLIO 601

CASUMMIT LAKE AREA

A. FILES INDEX MAP (Map A-2)

SEE MAP LEGENDS ON BACK COVER OF
ACCOMPANYING TEXT

