GM 00406-A

REPORT ON OPERATIONS FOR 1948, PART I, GENERAL RESULTS

Documents complémentaires

Additional Files





Licence



License

Cette première page a été ajoutée
au document et ne fait pas partie du
rapport tel que soumis par les auteurs.

Énergie et Ressources naturelles
Québec

QUEBEC DEPARTMENT OF MINES
MAY 4 RECD 1949
MINERAL DEPOSITS BRANCH
No GM 406-A

OPERATIONS, 1948

HOLLINGER NORTH SHORE EXPLORATION COMPANY LIMITED

Montreal, Que. April 30, 1949.

Ministère des Richesses Naturelles, Québec
SERVICE DES GITES MINÉRAUX
No GM- 406-A

Note: Section II for R.W. Kirkland - please confirm 1156 (GM-406-B)

PART I

GENERAL RESULTS

by

J. A. Retty

1948

CONTENTS

	Page.
INTRODUCTION	1
WINTER OPERATIONS	1
LANDING STRIP	1
AIR FREIGHTING	1
DRILLING	2
Drilling Results	3
Footage Drilled	7
SHAFT SINKING	7
ROAD BUILDING	7
GEOLOGICAL MAPPING AND TEST-PITTING	8
GEOPHYSICAL INVESTIGATIONS	8
RAILROAD SURVEY	8

OPERATIONS, 1948

HOLLINGER NORTH SHORE EXPLORATION COMPANY LIMITED

Introduction

This report presents the results of work conducted in 1948 by Hollinger North Shore Exploration Company Limited on its licensed area in New Quebec. The object of the work was to prove up, by drilling, additional reserves on the known deposits of iron ore.

As in the past, the project was conducted as a single operation with Labrador Mining and Exploration Company Limited.

Winter Operations

During the winter, a small crew was kept at the Burnt Creek base to overhaul and repair the drilling and road-building equipment. In addition, a machine shop, two warehouses and a sample storage building were erected.

Landing Strip

The landing strip was improved considerably by widening and gravelling of the surface. A complete set of buildings was erected and radio aides to flying were installed at the site. It is now a fully equipped meteorological station in constant communication with outside points. Weather observations are taken at three-hour intervals and the results forwarded to the Dominion Government Meteorological Service.

Air Freighting

Some 650 tons of freight was moved by air for the drilling and ancillary operations. The work was done by Hollinger Ungava Transport Ltd., a company which has been formed to supply the flying requirements

of all Hollinger subsidiaries operating in the region.

Two small, float-equipped aircraft, a Norseman and a Stinson, were used on inland flying, while the heavy freighting was done by two DC3's.

Drilling

The following deposits were drilled:

- Burnt Creek No. 1
- Burnt Creek No. 3
- Burnt Creek No. 6
- Denault Lake
- Eclipse Lake
- Ferriman No. 1
- Fleming No. 2
- Fleming No. 3
- Fleming No. 6
- Goodwood No. 1
- Star Creek No. 2
- Sunny Lake No. 1

With the exception of Goodwood and Eclipse, these deposits are all located within ten miles of the Burnt Creek base. Both churn drills (Bucyrus-Erie 22T, 27T) and diamond drills (used for chopping) were employed on the work, the latter being used generally to deepen the churn drill holes. Churn drills perform very satisfactorily. Their progress is much more rapid. They are self-propelled and do not require a continuous supply of water as do the diamond drills.

Drilling Results: (Complete to date)

	(Tonnage in Thousands)	% Grade								
Burnt Creek No. 1		Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss
Bessemer	3,104	60.8	.56	.031	9.49	.09	.04	.22	.018	1.78
Non-Bessemer	1,496	62.8	.44	.063	5.49	.09	.05	.47	.015	2.99
Manganiferous	962	48.9	10.81	.041	8.91	.08	.04	.36	.012	3.84
	5,562									
Burnt Creek No. 3										
Bessemer	4,636	58.5	.84	.027	12.52	.09	.08	.49	.010	1.63
Non-Bessemer	1,048	59.5	1.47	.073	7.18	.09	.06	1.44	.012	3.93
Manganiferous	1,255	50.6	8.27	.056	10.00	.09	.08	.26	.018	4.74
	6,959									
Burnt Creek No. 5										
Bessemer	2,310	62.5	1.03	.034	6.68	.11	.08	.34	.010	1.95
Non-Bessemer	8,502	59.5	.88	.135	6.03	.13	.07	1.21	.017	5.30
Manganiferous	4,461	54.2	4.87	.166	5.51	.11	.07	1.36	.021	7.00
	15,273									
Burnt Creek No. 6										
Bessemer	5,751	66.3	.30	.025	2.55	.14	.09	.13	.015	1.24
Non-Bessemer	1,693	58.0	1.00	.127	8.47	.13	.08	.51	.019	5.34
Manganiferous	3,188	49.9	9.77	.180	5.18	.09	.05	1.36	.010	6.70
	10,632									

Drilling Results (cont'd)

	(Tonnage in Thousands)	% Grade								
Denault No. 1		Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss
Bessemer	429	56.3	.11	.040	11.55	.11	.05	.39	.013	7.07
Non-Bessemer	3,017	58.1	.23	.078	4.89	.11	.04	.87	.034	10.01
Manganiferous	509	46.1	9.81	.073	5.25	.12	.05	2.20	.040	10.25
	3,955									
Eclipse No. 1										
Bessemer	30,105	62.4	.28	.022	4.81	.10	.05	.55	.014	4.14
Non-Bessemer	99	54.1	.31	.070	8.03	.08	.05	3.60	.020	9.29
Manganiferous	4,236	53.0	6.61	.073	5.25	.12	.05	2.20	.040	10.25
	34,440									
Ferriman No. 1										
Bessemer	13,213	58.7	.51	.029	11.04	.06	.04	.40	.012	3.39
Non-Bessemer	3,708	55.0	.69	.100	11.06	.05	.04	1.32	.013	7.04
Manganiferous	1,972	52.4	3.93	.074	11.17	.05	.04	.83	.014	6.69
	18,893									
Ferriman No. 3 (3956-4054)										
Bessemer	11,375	63.8	.43	.032	4.11	.10	.06	.54	.011	3.11
Non-Bessemer	4,301	54.3	1.02	.115	11.41	.10	.05	2.31	.017	6.53
Manganiferous	998	51.0	6.05	.089	10.18	.07	.05	1.07	.011	6.52
	16,674									

Drilling Results (cont'd)

	(Tonnage in Thousands)	% Grade							
		Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss
Ferriman No. 5 (3952-Hoss)										
Bessemer	4,093	57.0	.19	.035	11.67	.11	.06	.33	.009	5.75
Non-Bessemer	14,417	56.8	.17	.097	6.74	.12	.07	1.83	.014	8.97
Manganiferous	2,782	48.1	11.70	.090	3.25	.12	.06	1.98	.010	8.49
	21,292									
Fleming No. 2										
Bessemer	529	56.5	.09	.021	14.71	.09	.04	.98	.012	2.79
Fleming No. 3										
Bessemer	2,678	61.0	.08	.023	9.27	.10	.04	.60	.011	2.30
Fleming No. 5 Hoss-Hoss										
Bessemer	7,299	61.1	.80	.030	9.62	.08	.07	.36	.009	1.40
Non-Bessemer	7,444	53.8	1.04	.122	13.24	.10	.07	1.57	.010	5.64
Manganiferous	1,421	53.6	3.66	.117	9.19	.09	.09	1.26	.012	6.45
	16,164									
Fleming No. 6										
Bessemer	26	50.0	.32	.034	18.24	.07	.05	2.53	.011	5.48
Non-Bessemer	9,379	55.8	.67	.143	9.24	.08	.04	1.81	.013	7.00
Manganiferous	1,488	50.7	6.30	.165	8.83	.09	.05	1.51	.012	6.62
	10,893									

Drilling Results (cont'd)

Goodwood No. 1	(Tonnage in Thousands)	% Grade Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss
Bessemer	40,796	59.0	.16	.029	9.27	.08	.05	.78	.012	4.77
Non-Bessemer	6,272	61.1	.09	.063	4.27	.08	.06	1.26	.012	6.18
Manganiferous	4,524	44.5	10.54	.029	12.85	.08	.05	1.21	.011	5.99
	51,592									
Sunny No. 1										
Bessemer	6,681	59.1	.08	.027	10.76	.10	.04	1.16	.011	3.12
Non-Bessemer	647	60.4	.06	.054	9.49	.09	.04	.99	.009	2.59
	7,328									
Average Analyses	**Totals**									
Bessemer	132,955	60.63	.33	.028	7.98	.09	.05	.59	.012	3.68
Non-Bessemer	62,023	57.13	.58	.108	8.10	.10	.06	1.53	.015	6.86
Manganiferous	27,796	50.38	7.74	.092	7.51	.09	.06	1.22	.014	6.95
TOTAL TONNAGE:	222,774									

Footage Drilled

	Tonnage Drilling			Test Drilling	
	Diamond Drill	Churn Drill	Total	Diamond Drill	Churn Drill
Burnt Creek No. 1	291	220	511'	---	---
Burnt Creek No. 3	---	330	330'	144'	---
Burnt Creek No. 6	541	186	727'	---	---
Denault Lake No. 1	---	684	684'	---	---
Eclipse No. 1	1,646	---	1,646'	---	---
Ferriman No. 1	1,402	4,831	6,233'	160'	56
Ferriman No. 3	---	---	---	---	385
Ferriman No. 4	---	130	130'	---	350
Ferriman No. 5	---	941	941'	---	310
Fleming No. 2	---	946	946'	---	---
Fleming No. 3	---	1,962	1,962'	---	---
Fleming No. 6	2,489	805	3,294'	643'	26
Fleming No. 7	---	195	195'	---	---
Fleming No. 8	333	235	568'	---	---
Goodwood No. 1	1,136	5,088	6,224'	---	---
Sunny No. 1	1,209	1,860'	3,069'	---	---
Sunny No. 2	---	---	---	---	151
Star Creek No. 1	---	---	---	109	177
Star Creek No. 2	---	460	460'	524	---
Totals	9,047	18,873	27,920	1,580	1,455
Total all Drilling			30,955		

Shaft Sinking

In order to check the drill results and to determine the physical character and moisture content of the ore, a small prospect shaft was sunk on Ferriman No. 1 orebody. The four walls were sampled at five-foot intervals. The results of the sampling are given on the accompanying plan.

Road Building

The existing roads were extended and improved. The road from the airport to Burnt Creek was gravelled and is now in excellent condition. Branch roads were build to Fleming No. 3 and to Sunny Lake No. 1.

Geological Mapping and Test-Pitting

R. W. Kirkland with a five-man crew conducted surface exploration on the group of ore occurrences that parallel the main ore zone some 12 miles northeast. This area is known as the "Walsh Range". The work consisted of surface mapping, test-pitting and sampling the deposits. The results of the work are given in Part II of this report.

The detailed logging of the drill holes and the preparation of geological maps and sections were also carried out by the geological staff.

Geophysical Investigations

This work was conducted on the following orebodies: Goodwood, Fleming Nos. 2 and 3 and Ferriman No. 1. The instrument used was the gravity meter supplemented by work with the magnetometer. Before the work was undertaken, it was felt that it might facilitate the discovery of ore deposits beneath overburden. Thus far, however, no simple clue to the solution of this problem has been found.

Railroad Survey

This project was continued southward from the height-of-land (south of Ashuanipi Lake) to the Gulf of St. Lawrence at Seven Islands. Final location was completed along a portion of this stretch of the route.

Total 1441'
Core Locations 1-15

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

TWP 3956
(Block 3)

Deposit DUBUIT CREEK #1 District QUEBEC Hole No. DC 301b

Location 32,590.4E - 82,491.9E Elevation 2,104.32' Depth 60'

Drill Type JACKSON Started Oct. 12, 1946 Completed Oct. 13, 1946 Logged H. FLEMING

Footage	Material	Fe	Mn	SiO_2		
0-15	Surface - till					
15-25	do - some rool ore fragments					
25-30	do - blue hematite, considerable quartz					
30-35	do - considerable chert					
35-40	Lean Ore - do					
40-45	Lean Ore - lean chert					
45-50	Lean Ore - do					
50-55	Ore - minor blue hematite, fine quartz	64.8	.09	4.64		
55-60	Ore - do					

REMARKS:

MINISTÈRE DES MINES, QUÉBEC

SERVICE DES GITES MINÉRAUX

No GM- 1106-A

Also DC 301b → DC 304a

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit BURNT CREEK #3 District QUEBEC Hole No. BC 301c

Location 33,103.2N - 82,412.9E Elevation 2,103.5' Depth 37'

Drill Type JACKSON Started Oct. 6, 1948 Completed Oct. 7, 1948 Logged H. FLEMING

Footage	Material	Fe	Mn	SiO_2		
0- 5	Surface - till					
5-10	Enriched Iron Formation - Hard blue					
	hematite - Much impregnated quartz					
10-15	Same - More highly enriched					
15-20	Hematite and martite - considerable					
	free quartz - Possibly very lean ore					
20-25	- do -					
25-28	- do -					
28-30	- do -					
30-35	- do -					
35-37	- do -	53.7	.48	22.80		

REMARKS:

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit DUNN CREEK #3 District QU[illegible] 8 Hole No. BC 202c

Location 32,923.9N - 82,436.5E Elevation 2,10[illegible].6' Depth 22'

Drill Type JACKSON Started Oct.8, 1948 Completed Oct.10, 1948 Logged H. FLEMING

Footage	Material	Fe	Mn	SiO_2		
0- 5	Surface, blue hematite, considerable quartz,					
	some contamination					
5-10	- do -					
10-15	Cindery blue hematite - too much quartz -					
	Iron Formation					
15-20	Cindery blue hematite - less quartz -					
	less ore	43.4	9.69	14.56		
20-22	Blue hematite and pellonaine -					
	considerable quartz - enriched Iron					
	Formation					

REMARKS:

BC 202c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit [illegible] District [illegible] Hole No. DC 303c

Location 32,702.83 - 62,512.78 Elevation 2,104.9' Depth 25'

Drill Type [illegible] Started Oct. 11, 1948 Completed Oct. 11, 1949 Logged [illegible]

Footage	Material	Fe	Mn	SiO_2		
0-10	Surface - ore fragments					
10-15	Fairly blue hematite, some shaly fragments - ore					
15-20	do some chert - ore					
20-25	do little visible quartz - ore	63.6	2.19	2.86		

REMARKS:

DC 303c

Total 376'
Bouchette 210'
(Voir loc. mes carte 12-13, 17-44
GM. 1641

Iron Ore Company of Canada

TEST DRILL HOLE

Canton 3956
(B Loc 3)

DETAILED LOG

Deposit FERRIMAN # 1, District QUEBEC Hole No. F.104c

Location 32,043.2N-70,459.0E Elevation 2,573.9' Depth 26'

Drill Type Churn Drill Started June 4,1948 Completed June 4,1948 Logged R.GERRN.

Footage	Material	Fe	Mn	SiO_2		
0 - 10	Surface					
10 - 15	Pebbly and cherty slaty iron formation, much quartz.					
15- 20	do do	46.2	1.17	18.70		
20 - 25	do do	47.7	.74	18.08		
25- 26	No Sample	41.3	.59	24.68		
	Grab at 22 feet, Same material.	40.9	.48	24.79		

REMARKS:

Ministère des Richesses Naturelles, Québec
SERVICE DES GITES MINÉRAUX
No GM- 406-A

F.104c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FERGUSON # 1, District QUEBEC Hole No. F 105a

Location 32,002.1N-70,395.5E Elevation 2,573.9' Depth 30'

Drill Type Cisco Drill Started June 5,1948 Completed June 7,1948 Logged R.GERIN

Footage	Material	Fe	Mn	SiO_2		
0 -5	Surface - many fragments hematite					
5 - 10	Surface.	31.2	.26	49.86		
10 15	Hard hematite enriched iron formation,					
15-20	do much chert and quartz -	27.5	.17	54.4		
	iron formation					
20-25	do much fine quartz and kaolin					
	iron formation .					
25 - 30	Less hematite much chert, quartzite kaolin.	22.4	.19	60.82		

REMARKS:

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FERRIMAN # 6 District QUEBEC Hole No. F.106c

Location 21,768.63-70876.72 Elevation 2,549.2' Depth 60'

Drill Type Churn Drill Started June 16,1948 Completed June 18,1948 Logged R.GERIN

Footage	Material	Fe	Mn	SiO_2		
0 -40	Surface - many ore fragments.					
40-55	Some Surface contamination - magnotite and specular hematite much quartz.					
55-60	Red blue Hematite, much Magnetite 3% quartz - Ore.					

REMARKS: Hole started as F106c and continued number changed to F.106B - changed at 60 feet.

Deepened as 106B

F.106c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FERRIMAN # 1, District QUEBEC Hole No. F. 107c

Location 34,720.4S-70,773.4E Elevation 2,556.6' Depth 58'

Drill Type JACKSON Started July 5,1948 Completed July 9,1948 Logged R. GERRIE.

Footage	Material	Fe	Mn	SiO_2		
0 - 15	Surface - Cherty boulders					
15 -25	Brown Goethite with ~~partly~~ painty red hematite					
	and limonite, too much Silica for ore.					
25 - 30	Hard blue Hematite and partly ~~sheared~~ sheared					
	hematite lean ore.	50.4	1.32	16.86		
30-35	Partly red hematite, brown goethite					
	pyrolsite much kaolin and sheared					
	material.					
35-40	Vuggy brown goethite considerable quartz					
	chert and kaolin.	48.7	1.15	17.34		
40-45	Red ~~partly~~ painly and hard blue hematite some quartz and					
	chert - ore.					
45- 50	Chert, quartz and ~~partly~~ painty red hematite some					
	pyroluaite and kaolin, iron formation.					
50 -58	Sample missing					

REMARKS:

F.107c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FERRIMAN # 1, District QUEBEC Hole No. F.108c

Location 31,211.5N-71,176.7E Elevation 2,550.6' Depth 32'

Drill Type JACKSON Started July10,1948 Completed July 13,1948 Logged R. GERIN.

Footage	Material	Fe	Mn	SiO_2		
0 - 5	Surface					
5 - 10	Kaolin and altered chert -sheared					
	Chert Breccia					
10 - 15	Kaolin with some slaty fragments.					
15-20	Cherty lean iron formation?					
20 -25	Quartzite - Cherty					
25 - 30	Quartzite					

REMARKS:

F.108c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FERRIMAN # 1, District QUEBEC Hole No. F. 109c

Location 29,400.8N-75,347.5E Elevation 2,395.7' Depth 70'

Drill Type JACKSON Started July 17,1948 Completed July 22,1948. Logged R. GEHEN.

Footage	Material	Fe	Mn	SiO_2		
0 -40	Surface - fragments enriched iron					
	formation.					
40 -45	Well enriched iron formation					
	considered quartz.					
45 - 50	Blue Hematite and limonite some					
	surface very lean ore.	60.5	.11	10.94		
50 -55	Highly enriched Iron formation -not ore.					
55 -60	Highly enriched Iron formation, possibly					
	very lean ore.					
60-65	do do					
65 - 70	Same as above only less quartz.	54.0	.07	19.44		

REMARKS:

F.109c

Lt. 1385' (face les rapports 12-15)

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FERRIDAN NO 2. District QUEBEC Hole No. F.301 c

Location 37,~~8~~~~0~~~~0~~-75,~~5~~~~0~~ 751.1 523.9 Elevation 2,26~~0~~~~0~~ 6.8 Depth 160'

Drill Type Churn Drill Started Oct 4/48 Completed Oct 6/48 Logged H. FLEMING.

Footage	Material	Fe	Mn	SiO_2		
0-20	Surface					
20-25	Mostly shale nodules and chert.					
25-160	Nodules of grey shale becomes more carbonaceous below 85 feet.					

REMARKS:

Ministère des Richesses Naturelles, Québec

SERVICE DES GITES MINÉRAUX

No GM- 406-A

F.301 c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FERRIMAN NO 3. District QUEBEC Hole No. F.302 c

Location 37,~~716.6N~~ 707.0 75,~~600.0E~~ 493.6 Elevation 2,~~269.2~~ 8.0 Depth 35'

Drill Type Churn Drill Started Oct. 6/48 Completed Oct. 6/48 Logged H. FLEMING

Footage	Material	Fe	Mn	SiO_2		
0-10	Surface					
10-15	Grey Shale					
15-35	Grey and Green shale.					

REMARKS:

F.302c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FERRIMAN NO 2, District QUEBEC Hole No. F.303c

Location 37,~~670.8N~~ 670.4 -75,~~153.2E~~ 465.2 Elevation 2,~~270.8~~ 69.3 Depth 70'

Drill Type Churn Drill Started Oct 6/48 Completed Oct.7/48 Logged H. Fleming.

Footage	Material	Fe	Mn	SiO_2		
0-10	Surface.					
10-45	Light grey to buff shale.					
45-65	do do					
65-70	Sample Missing.					

REMARKS:

F.313c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FERRIMAN NO 3 District QUEBEC. Hole No. F.304 c

Location 37,053.0 76,267.8 Elevation 2,276.5 Depth 120'

Drill Type Churn Drill Started Oct.7/48 Completed Oct.8/48 Logged H. FLEMING.

Footage	Material	Fe	Mn	SiO_2		
0-25	Surface.					
25-60	Grey Shale					
60-115	Grey and Buff Shale					
115-120	Sample Missing.					

REMARKS:

F.304c

Total 150'
(now for assays
13-14
set 13-15 (GM-1841)

TWP 4056
(Block 3)

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FERRIMAN #4 District QUEBEC Hole No. F.401 c

Location 41,089.0N-69,371.9E Elevation 2,166.2' Depth 150'

Drill Type Churn Drill Started Oct.11/48 Completed Oct 12/48 Logged H. FLEMING

Footage	Material	Fe	Mn	SiO_2	P	
0 - 20	Surface					
20 - 25	Limonite,Goethite and Psilomelane -consid-					
	erable coarse quartz very lean ore.	30.0	14.67	29.85	0.72	
25 - 30	Limonite Goethite and Psilomelane-less	36.4	10.07	22.55	0.74	
	Quartz.					Hanna analyses
30 - 35	Painty hematite, limotite Goethit coarse	41.9	8.38	17.12	0.79	
	quartz leam ore.					
35 - 40	Painty hematite, a little ~~coarse~~ visible Quartz	44.5	8.44	11.22	0.87	
40 - 50	do do do Lean ore					
50 - 55	do do do do	47.4	7.92	7.74		
55 - 80	do do do do					
80 - 85	do do do do	45.4	2.49	13.72		
85 - 90	do do ~~very~~ very lean ore ~~do~~					
90- 115	considerable ~~chert~~ chert,iron formation.					
115-120	do do do	41.6	2.31	21.96		
120 -125	do do Considerable free					
	rounded Quartz grains					
125 -150	~~Considerably more chert~~ same, possibly enriched					
	Quartz.					

REMARKS:

MINISTÈRE DES MINES, QUÉBEC

SERVICE DES GITES MINÉRAUX

No GM-406-A

F.401 c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FERRUMAN #4 District QUEBEC. Hole No. F.402.C

Location 40,890.0N-69,229.6E Elevation 2,138.6' Depth 35'

Drill Type Churn Drill Started Oct.13/48 Completed Oct 13/48 Logged H. FLEMING.

Footage	Material	Fe	Mn	SiO_2		
0-20	Surface ore fragments and sand.					
20-25	Granular quartz - few ore fragments.					
25-35	Very pure Quartzite					

REMARKS:

F.402.C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FERRIMAN #4 District QUEBEC Hole No. F.403 c

Location 40,622.2N-69,792.8E Elevation 2,195.0' Depth 125'

Drill Type Churn Drill Started Oct/14/48 Completed Oct.14/48 Logged H. FLEMING.

Footage	Material	Fe	Mn	SiO_2		
0 - 15	Surface ? - Quarts sand some ore					
	fragments					
15 - 85	Quarts sand and ore fragments. - Quartzite					
85 -125	Slightly ferruginous Quartzite					

REMARKS:

F.403 c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FERRIMAN #4 District QUEBEC Hole No. F.404 c

Location 41,277.4N-68,942.8E Elevation 2,116.6' Depth 40'

Drill Type Churn Drill Started Oct.14/48 Completed Oct.15/48 Logged H. FLEMING

Footage	Material	Fe	Mn	SiO_2		
0 - 10	Surface					
10 - 15	considerable blue hematite and goethite -					
	Ore.					
15 - 40	Dark blue and painty red hematite ore.					
	35-40	54.2	5.49	3.34		

REMARKS:

F.404 c

Total 310'
(Sources données 13-15 (GM. 6841))

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FERRIMAN #5 District QUEBEC Hole No. F.507 c

Location 41,988.6N-72,655.9E Elevation 2,142.6' Depth 25'

Drill Type Churn Drill Started Sept. 25,1948 Completed Sept. 25,1948 Logged R. Green

Footage	Material	Fe	Mn	SiO_2		
0 - 15	Surface - considerable quartzite debris					
15 - 20	White and Buff Quartzite					
20 - 25	Slightly enriched Buff Quartzite.					

REMARKS:

Ministère des Richesses Naturelles, Québec
SERVICE DES GITES MINÉRAUX
No GM- H06-A

507c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FERRIMAN # 5 District QUEBEC Hole No. F.508 c

Location 41,902.8N-72,606.1E Elevation 2,143.5' Depth 30'

Drill Type Churn Drill Started Sept. 25, 1948 Completed Sept. 26, 1948 Logged R. GREEN.

Footage	Material	Fe	Mn	SiO_2		
0 - 10	Surface - Quartzite debris					
10 - 30	Slightly enriched quartzite.					

REMARKS:

F.508c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FERRIMAN #5 District QUEBEC Hole No. F.509 c

Location 41,824,OE-72,537.4E Elevation 2,132.8' Depth 25'

Drill Type Churn Drill Started Sept 26/48 Completed Sept 26/48 Logged R. GREEN

Footage	Material	Fe	Mn	SiO_2		
0 - 10	Surface					
10 - 25	Slightly enriched pure quartzite.					
	Some pyrolusite.					

REMARKS:

F.509 c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FERRIMAN # 5, District QUEBEC Hole No. F.510 c

Location 41,739.9N-72,455.1E Elevation 2,132.15' Depth 30'

Drill Type Churn Drill Started Sept. 27/48 Completed Sept. 27/48 Logged R. GREEN

Footage	Material	Fe	Mn	SiO_2		
0 - 5	Surface - considerable quartzite.					
5 - 10	Quartzite debris					
10 - 30	Slightly enriched quartzite, some pyrolusite.					

REMARKS:

F.510 c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FERRIMAN # 5. District QUEBEC Hole No. F.511e

Location 41,653.4N-72,371.5E Elevation 2,134-5' Depth 110'

Drill Type Churn Drill Started Sept 27/48 Completed Sept.28/48 Logged P. GREEN

Footage	Material	Fe	Mn	SiO_2		
- 10	Surface					
10 - 20	Quartzite debris,					
20 - 40	Quartzite - White					
40 -110	White Quartzite - grain size becoming					
	finer towards bottom of hole.					

REMARKS:

F.511e

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FERRIMAN #4 District QUEBEC Hole No. F 512 a

Location 41,506.9N-72,244.3E Elevation 2,131.7' Depth 90'

Drill Type Churn Drill Started Sept.28/48 Completed Sept 29/48 Logged R. GREEN

Footage	Material	Fe	Mn	SiO_2		
0-15	Surface - many Quartzite fragments.					
15 -50	Well rounded grains of quartz -Quartzite					
50 - 65	Quartzite, pyrolusite enriched					
65- 90	Quartzite, much smoky quartz.					

REMARKS:

F.512 a

Total 694' diff 25' (30' plus bas) (Sous-sol, beau contact) 15-14, 16-14

Iron Ore Company of Canada

TEST DRILL HOLE

Canton 4056 (Bloc 3)

DETAILED LOG

Deposit FLAMING NO 6 District QUEBEC Hole No. FL. 614 c

Location Missing Elevation Missing Depth 25'

Drill Type Churn Drill Started July 4/48 Completed July 5/48 Logged R. GERIN.

Footage	Material	Fe	Mn	SiO_2		
0-5	- Surface					
5-10	Many ore fragments, much Silica. - Surface.					
10-15	Many pebbles, no ore fragments. - Surface.					
15-20	More Iron formation fragments, some pebbles. - Surface.					
20-25	Limonite stained Siliceous material, some pyrol, - Not Ore.					
	(Cont. as FL 601B)					

REMARKS: Hole started as test hole 0-25' continued 25-75' as tonnage hole 601B, but hole started caving.

Ministère des Richesses Naturelles, Québec

SERVICE DES GITES MINÉRAUX

No GM- H06-A

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FLEMING NO 6 District QUEBEC Hole No. FL. 615 a

Location 51,619.3N-57,322.1E Elevation 2.195.2' Depth 26'

Drill Type Churn Drill Started July 6/48 Completed July 6/48 Logged R. GERIN.

Footage	Material	Fe	Mn	SiO_2		
0-15	- Surface					
15-20	Considerable pyrol and chert.					
	Iron formation.					
20-25	More Enrichment. ChertyIron formation					
25-26	End of hole no sample					

REMARKS:

FL.615 a

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FLEMING NO 6 District QUEBEC Hole No. FL. 616 c

Location 49,155.3N-60,259.5E Elevation 2,126.5' Depth 38'

Drill Type JACKSON Started July 25/48 Completed July 27/48 Logged R. GEREN

Footage	Material	Fe	Mn	SiO_2		
0-15	- Surface					
15-20	Quartzite debris with some pebbles.- Qte					
20-25	Same. fewer pebbles -Quartzite.					
25 ~~20~~-30	Decomposed Quartzite.					
30-35	A little enriched -Quartzite.					
35-38	Frosted grains of white quartz.-Quartzite.					

REMARKS:

FL 616 c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FLEMING NO 6 District QUEBEC Hole No. FL 617 c

Location 49,383.4N- 59,773.4E Elevation 2,125.5' Depth 43'

Drill Type JACKSON Started July 28/48 Completed July 30/48 Logged R. GEHEN

Footage	Material	Fe	Mn	SiO_2		
0-10	Chiefly ore fragments and iron formation - Surface					
10-15	Fewer ore fragments -Surface					
15-20	Ore fragments and subang. qrains quartz.-Surface.					
20-25	Painty ~~Partly~~ red blue hematite,-too many quartz grains, for ore.					
25-30	Painty ~~Partly~~ red blue hematite, less quartz. some chert. - Lean Ore.	36.5	0.09	13.40		
30-35	Reddish blue hematite, chert quartz. unleached iron formation. -Lean Ore?					
35-40	Same -much more fine quartz,-Iron formation.					
40-43	Same -much fine angular quartz.-Possibly Very Lean Ore.					

REMARKS:

FL 617 c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FLEMING NO 6 District QUEBEC Hole No. FL. 618 c

Location 49.175.0N-59.693.9E Elevation 2.131.3' Depth 45'

Drill Type JACKSON Started July 30/48 Completed July 31/48 Logged R. GEREN.

Footage	Material	Fe	Mn	SiO_2		
0-10	-Surface					
10-15	Some ore fragments. -Surface					
15-20	More ore fragments. -Surface.					
20-25	Lean slaty Iron formation fragments.					
	-Surface.					
25-30	Lean slaty Iron formation -Not Ore.					
30-35	Iron formation shows much more enrichment.					
35-40	Slaty blue red goethite, considerable chert.	52.5	0.09	14.30		
	- Very lean ore.	5.07	0.09	15.02		
40-45	More slaty less enriched high Alumina.					
	- Lean Ore.					

REMARKS:

FL.618 c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FLEMING NO 6 District QUEBEC Hole No. FL. 619 c

Location 49,900.0N-58,638.0E Elevation 2,152.6' Depth 35'

Drill Type JACKSON Started Aug 6/48 Completed Aug 7/48 Logged R. GERIN

Footage	Material	Fe	Mn	SiO_2		
0-10	-Surface					
10-15	Many fragments quartzite -Surface					
15-20	Surface and quartzite, unleached iron formation fragments. -Surface.					
20-25	Same -Not Ore.					
25-30	Sandy Iron formation, possibly quartzite enriched with goethite, and hematite. -Not Ore.					
30-35	Martite enriched with hematite, - Iron formation?					

REMARKS:

FL.619 c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FLEMING NO 6 District QUEBEC Hole No. EL 620 c

Location 49,915.4N-58,591.7E Elevation 2,151.2' Depth 50'

Drill Type JACKSON Started Aug.7/48 Completed Aug. 9/48 Logged R.GERBER.

Footage	Material	Fe	Mn	SiO_2		
0-5	-Surface					
5-15	Much quartz and fragments of quartzite.					
	-Surface					
15-45	Enriched Quartzite					
45-50	Missing.					

REMARKS:

EL 620 c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FLEMING NO 6 District QUEBEC Hole No. FL-621 e

Location 50,073.6N-58,686.5E Elevation 2,156.3' Depth 35'

Drill Type JACKSON Started Aug 10/48 Completed Aug 11/48 Logged R. GERIN

Footage	Material	Fe	Mn	SiO_2		
0-15	-Surface					
15-25	Mostly Iron formation fragments-Surface					
25-30	Fainty red and hard brown goethite,					
	considerable quarts, and surface-Lean Ore,	52.8	0.07	16.88		
30-35	Hard reftry brown goethite, considerable					
	chert. -Lean Ore?	49.6	0.06	20.84		

REMARKS:

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FLEMING NO 6 District QUEBEC Hole No. FL. 622 c

Location 50,173.0N-58,722.8E Elevation 2,147.4' Depth 82'

Drill Type JACKSON Started Aug 12/48 Completed Aug 14/48 Logged R. GERRY

Footage	Material	Fe	Mn	SiO_2		
0-15	- Surface					
15-20	Some painty ore fragments - Surface					
20-25	Hard, blue black goethite, considerable quartz, and surface - Ore derbis.					
25-30	Hard blue, black goethite and red painty hematite, some quarts, - Ore.					
30-35	More painty hematite & some kaolin - Ore					
35-40	Vuggy brown goethite and hematite, some quartz.- Ore.					
40-45	same, some pryol nd more quartz, Ore Lean Ore.					
45-50	More Painty with same kaolin and chert-Ore.					
50-55	Softer painty red hematite, and goethite, -Ore					
55-60	Same -Ore.					
60-65	Same more coarse quartz, Ore-Lean Ore.					
65-70	Quite painty some quartz, and kaolin, Low Fe. - Ore.					
70-75	Same -Ore.					
75-80	Same - Ore.	58.4	0.06	9.30		
80-82	Painty red nd blue hematite, some quarts. Ore.					

REMARKS:

FL 622 c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FLEMING NO° 6 District QUEBEC Hole No. FL. 623 c

Location 50,262.9N-58,759.4E Elevation 2,140.0' Depth 45'

Drill Type JACKSON Started Aug 15/48 Completed Aug 16/48 Logged R. GERIN.

Footage	Material	Fe	Mn	SiO_2		
0-20	- Surface					
20-25	Very brown goethite, and peinty hematite,					
	some quartz. - Ore					
25-30	Same. little more quartz and chert, - Ore					
30-35	Chert Quartz and brown goethite- Hardly Ore.					
35-40	Hematite, goethite, some chert and quartz.					
	- Lean Ore.	5.15		19.20		
40-45	Same, more chert. -Iron formation.	44.8		30.90		

REMARKS:

FL.623 c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FLEMING No 6 District QUEBEC Hole No. FL 624 C

Location 50,093.2N-57,331.4E Elevation 2,255.9' Depth 18'

Drill Type JACKSON Started Aug 17/48 Completed Aug 18/48 Logged R. GERIN.

Footage	Material	Fe	Mn	SiO_2		
0-5						
5-10	Sandy soft red hematite, some chert,					
	-Near Ore.					
10-15	Same, looks sheared considerable kaolin -					
	-Possibly Lean Ore.	40.3	0.61	28.82		
15-17	Rather slaty Iron formation well enriched					
	with hematite,-Not Ore.	39.3	1.13	34.32		
17-18	End of hole - no sample					

REMARKS:

FL.624 c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FLEMING NO 6 District QUEBEC Hole No. FL 625 c

Location 50,157.1N-57,453.0E Elevation 2,259.8' Depth 18'

Drill Type JACKSON Started Aug 19/48 Completed Aug 19/48 Logged R. GEREN.

Footage	Material	Fe	Mn	SiO_2		
0-5	Mostly roftry brown goethite nd quarts.					
	-Surface.					
5-10	Slaty and roftry hard brown hemite,a little					
	chert, - Ore.					
10-15	Hard roftry red brown hematite,little					
	chert - -Ore.					
15-18	Same -more unleached material -/ Ore.					

REMARKS:

F.L.625 c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FLEMING NO 6 District QUEBEC Hole No. FL 626 c

Location 50,257.6N-57,543.4E Elevation 2,194.8' Depth 25'

Drill Type JAKSON Started Aug 20/48 Completed Aug 26/48 Logged F. GERIN

Footage	Material	Fe	Mn	SiO_2		
0-10	- Surface					
10-15	Brown Geethite and limonite and much fine quartz - Not Ore.					
15-20	Same, more red and blue hematite, fine quartz. - Not Ore					
20-23	Hard slaty and reftry brown goethite, and hematite, considerable quarts. - Lean Ore?					
23-25	Same -less quartz (8-9%Silica) - Ore?	56.4	0.13	9.80		

REMARKS:

FL. 626 c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FLEMING NO 6 District QUEBEC Hole No. FL 627 c

Location 50,373.0N-57,640.3E Elevation 2,186.2' Depth 19'

Drill Type JACKSON Started Aug 23/48 Completed Aug 25/48 Logged R. GERIN.

Footage	Material	Fe	Mn	SiO_2		
0-5	Some ore material - Surface					
5-10	Black magnetite and reftry goethite, much quartz. - Not Ore.					
10-15	Same and pebbles. - Not Ore.					
15-19	Mostly quartz. -Surface?					

REMARKS:

FL.627 c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FLEMING NO. 6 District QUEBEC Hole No. FL-628 c

Location 50,401.1E-57,678.2S Elevation 2,131.2' Depth 38'

Drill Type JACKSON Started Aug. 24/48 Completed Aug 25/48 Logged R. GERIN.

Footage	Material	Fe	Mn	SiO_2		
0-10	-Surface					
10-15	Mostly quartz grains, some hematite-Surface.					
15-20	-Surface					
20-25	Well rounded quartzite grains, little Enrichment - Quartzite.					
25-30	Same -Quartzite.					
30-35	Same -Quartzite.					
35-38	Same -Quartzite					

REMARKS:

FL-628 c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FLEMING NO 6 District QUEBEC Hole No. FL 629 c

Location 49,690.8N-58,384.5E Elevation 2,152.4' Depth 28'

Drill Type JACKSON Started Aug 26/48 Completed Aug.26/48 Logged R. OBRIEN.

Footage	Material	Fe	Mn	SiO_2		
0-15	- Surface					
15-20	Cindery blue hematite, magnetite, and martite much fine quartz. - Iron Formation?					
20-22	Same more hard hematite, some rounded quartz grains, - Enriched quattzite.					
22-25	Same less Quartz, -Ore debris or Enriched Quartzite.					
25-28	Hard blue hematite, some chert, considerable quartz, some quartz grains well rounded - Enriched Quartzite?					

REMARKS:

FL.629 c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FLEMING NO 6 District QUEBEC Hole No. FL 630 e

Location 49,752.85-58,441.2E Elevation 2,254.9' Depth 25'

Drill Type JACKSON Started Aug 27/48 Completed Aug 27/48 Logged R. GEREN

Footage	Material	Fe	Mn	SiO_2		
0-10	- Surface					
10-15	Much quartz from quartzite? grains rounded. -Surface					

REMARKS:

FL 630 e

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FLEMING NO. 6 District QUEBEC Hole No. FL 631 a

Location 52,658.2N-55,914.7E Elevation Missing Depth 19'

Drill Type JACKSON Started Aug.28/48 Completed Aug.29/48 Logged R. GREEN

Footage	Material	Fe	Mn	SiO_2		
0-5						
5-10	Mostly quartz and fragments of Iron					
	formation. -Surface					
10-15	Many fragments of Iron formation enriched					
	with limonite. - Surface.?					
15-19	Sandy Iron formation enriched with limonite					
	and blue hematite. - Iron formation.	41.8	0.04	37.42		

REMARKS:

FL 631 a

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FLEMING NO. 6 District QUEBEC Hole No. FL.632 c

Location 52,750.5N-56,003.9E Elevation Missing Depth 27'

Drill Type JACKSON Started Aug. 29/48 Completed Sept. 1/48 Logged R. GREEN.

Footage	Material	Fe	Mn	SiO_2		
0-5	-Surface					
5-10	Considerable rich Iron formation and Ore					
	material - Surface					
10-15	same -Surface					
15-17	Some Marcasite -Black Slate					
17-18	More Marcasite -Grey Blue Slate	21.2	.04	46.10		
18-20	Some grey chert and Iron formation.- Grey					
	Blue Slate.					
20-25	Chert, some slate and pyrite -Iron formation?					
25-27	Well enriched with hematite, limonite, some					
	chert. - Iron Formation.					

REMARKS:

FL.632 c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FLEMING NO 6 District QUEBEC Hole No. FL 633 c

Location 52,564.6N-55,841.2E Elevation Missing Depth 27'

Drill Type JACKSON Started Sept 1/48 Completed Sept 3/48 Logged R. GREEN

Footage	Material	Fe	Mn	SiO_2		
0-5	Surface					
5-10	Earthy and hard hem~~a~~/~~z~~ite ~~-~~ at some quartz and chert - Enriched Iron formation.					
10-15	same less Silica.					
15-20	Iron rich grey slate or slaty Iron formation - Not Ore.					
20-25	Same					
25-26	Silica ~~e~~ cous softry and slaty Iron Formation - Not Ore.					
26-27	same same					

REMARKS:

FL.633 c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FLEMING NO 6. District QUEBEC Hole No. FL-634 c

Location 53,606.5N-54,962.1E Elevation Missing Depth 21'

Drill Type JACKSON Started Sept 3/48 Completed Sept 3/48 Logged R. GREEN

Footage	Material	Fe	Mn	SiO_2		
0-5	Salty well enriched Iron Formation -					
	-Not Ore					
5-10						
10-15	Mostly Quartz grains -Surface					
15-20						
20-21	Considerable quartzose material -Slightly					
	Enriched Slaty Iron Formation.					

REMARKS:

FL.634 c

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit FLEMING NO. 6 District QUEBEC Hole No. FL.635 c

Location 53,498.2N-54,815.4E Elevation Depth 35'

Drill Type JACKSON Started Sept 4/48 Completed Sept 4/49 Logged R. GREEN

Footage	Material	Fe	Mn	SiO_2		
~~0-5~~						
~~5-10~~	-Surface					
10-35	Hard brown and earthy limonite,					
	no visible Silic - - Ore.					

REMARKS:

FL.6350

Total (51' (Churn Drill 28-17)

TWP 4154 (Block 3)

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit SUNNY LAKE NO 2 District QUEBEC Hole No. S.201 C

Location 123,964.35-2,409.7E Elevation 3,038.3' Depth 12'

Drill Type Churn Drill Started Sept. 2/48 Completed Sept. 2/48 Logged R. Geren

Footage	Material	Fe	Mn	SiO_2		
	material					
0-5	Surface; much ore ~~material~~					
5-10	do? Iron formation ore ~~material~~ considerable quartz.					
10-12	No Sample					

REMARKS:

Ministère des Richesses Naturelles, Québec

SERVICE DES GITES MINÉRAUX

No GM- H06-A

S.201 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit SUNNY LAKE No 2 District [illegible] Hole No. S 202 C

Location 12,395N.3W-2,411.1E Elevation 3,038.4' Depth 25'

Drill Type Churn Drill Started Sept 3/48 Completed Sept 4/48 Logged R. Goren

Footage	Material	Fe	Mn	SiO_2		
0-10	Surface					
10-15	Well enriched iron formation.					
15-20	Lean cherty iron formation.					
20-25	Slightly enriched cherty iron formation					

REMARKS:

S.202 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit SUNNY LAKE NO 2 District QUEBEC Hole No. S. 203 C

Location 123,944.6N-2,458.5E Elevation 3,039.0' Depth 10'

Drill Type Churn Drill Started Sept 3/48 Completed Sept 3/48 Logged R. Geren.

Footage	Material	Fe	Mn	SiO_2		
0-5	Surface Iron formation and ore fragments					
5-10	do less ore fragments					

REMARKS:

S.203 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit SUNNY LAKE NO 2 District QUEBEC Hole No. S.204 C

Location 124,093.1N-2,567.7E Elevation 3,034.5' Depth 27'

Drill Type Churn Drill Started Sept 4/48 Completed Sept 4/48 Logged R. Geren

Footage	Material	Fe	Mn	SiO_2		
0-10	Surface; Fragments of Iron formation and Ore.					
10-20	Iron formation -well enriched with blue and red hematite- Not Ore.					
20-25	Well enriched Jasper Iron formation					
25-27	No Sample					

REMARKS:

S.204 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit SUNNY LAKE # 2. District QUEBEC Hole No. S.205 C

Location 12,325S.4N-3,293.4E Elevation 3,048.8' Depth 37'

Drill Type Churn Drill Started Sept 5/48 Completed Sept 6/48 Logged R. Goren.

Footage	Material	Fe	Mn	SiO_2		
0-5	Surface					
5-10	Brown stained blue hematite; some pyrol and quartz. Ore?	41.8	0.08	33.80	.028	
10-15	do some magnetite; considerable fine quartz. - Lean Ore.	42.8	0.08	83.10	.025	
15-20	do - Lean Ore.	42.2	0.10	34.31	.023.	
20-25	do some pyrol Lean Ore.	47.0	0.18	28.89	.017	
25-30	Brown Stained; more quartz.-Lean Ore.	44.5	0.16	31.97	.023	
30-35	do more pyrol, Lean Mang Ore	42.0	0.10	36.69	.018	
35-37	More unleached fragments. Lean Ore.	47.4	0.16	29.89	.020	
35-37	Burnt Creek Lab	47.7	0.07	30.90		

REMARKS:

S.205 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit SUNNY LAKE NO 2 District QUEBEC Hole No. S.206 C

Location 12,356.1N-31125.2E Elevation 3,035.9' Depth 40'

Drill Type Churn Drill Started Sept 6/48 Completed Sept 7/48 Logged R. Geren

Footage	Material	Fe	Mn	SiO_2		
0-5	Surface - Ore debris					
5-10	Brown stained blue hematite and magnetite some quartz, ore debris.					
10-15	Ore material with some surf; ore debris.					
15-20	Brown stained blue hematite; too much angular quartz fine lean Ore.	51.5	0.13	23.63	.025	
20-25	Hard brown goethite and hematite, less quartd. - Lean Ore.	53.0	0.16	16.92	.020	
25-30	do more coarse quartz - Near Lean Ore.	51.6	0.08	18.84	.026	
30-35	do - Very Lean Ore.	52.1	0.10	18.39	.023	
35-40	do considerable coarse quartz. -Very Lean Ore?	52.7	0.08	18.10	.022	
35-40	Burnt Creek ~~Iron~~ lake	54.6	0.06	17.84		

REMARKS:

S4206 C

Intl. 28' (Core ends 14-15' (GM-6841)

Iron Ore Company of Canada

TEST DRILL HOLE

Canton 4056 (Blue 3)

DETAILED LOG

Deposit STAR CREEK NO 1 District QUEBEC Hole No. S.C. 114 C

Location 45,531.8N-68,972.5E Elevation 2,032.0' Depth 45'

Drill Type Churn Drill Started Sept 18/48 Completed Sept 19/48 Logged R. Geren

Footage	Material	Fe	Mn	SiO_2		
0-30	Surface - Till					
30-35	Iron Formation? much chert and quartz.					
35-40	Lean reftry ~~limonite cone quartz~~ and cherty IF					
40-45	Hard reftry lim., some ptz and unleached fragments,-rich iron formation.	41.6	0.31	32.50		

REMARKS:

Ministère des Richesses Naturelles, Québec
SERVICE DES GITES MINÉRAUX
No GM- 406-A

S.C. 114 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit STAR CREEK NO 1, District QUEBEC Hole No. S.C. 115 C

Location 45.386.4N-68,939.6E Elevation 2,041.6' Depth 35'

Drill Type Churn Drill Started Sept 19/48 Completed Sept 20/48 Logged R. Geran.

Footage	Material	Fe	Mn	SiO_2		
0-5	Surface - Till					
5-10	do mostly quartzite debris.					
10-15	do ? do					
15-25	Lean Quartzose iron formation, some pyrol, -Not Ore.					
25-30	Hard reftry blue hematite, some chert, and quartz; Not Ore.					
30-35	do do	45.5	0.71	30.04		

REMARKS:

S.C. 115C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit STAR CREEK NO 1. District QUEBEC Hole No. S.C. 116 C

Location 45,247.7N-68,871.8E Elevation 2,036.2' Depth 48'

Drill Type Sinun Drill Started Sept. 20/48 Completed Sept 21/48 Logged R. GERIN

Footage	Material	Fe	Mn	SiO_2		
0-15	Surface - Till					
15-30	do mixed debris					
30-35	Surface? mor fragments iron formation - Iron formation debris?					
35-40	Cherty iron formation well enriched with limonite and some blue hematite.	53.1	0.52	13.24		
40-45	do considerable quartz, Hardly Lean Ore.					
45-48	Limonite, blue hematite, chert & quartz, Near Lean Ore.	48.9	1.57	16.02		

REMARKS:

S.C. 116 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit STAR CREEK No 1 District QUEBEC Hole No. S.C. 117 C

Location 45,325.5N-68,897.9E Elevation 2,039.0' Depth 49'

Drill Type Diam Drill Started Sept 21/48 Completed Sept 22/48 Logged R. Germ.

Footage	Material	Fe	Mn	SiO_2		
0-10	Surface?					
10-15	Softy blue hematite and much quartz; enriched quartzite debris?					
15-20	Softy blue hematite, many chert fragments.					
20-25	Quartzose (zose) iron formation well enriched with blue hematite.					
25-30	do more enriched, possibly Very Lean Ore.					
30-45	do too siliceous for Lean Ore.					
45-49	do Enriched Iron Formation.	38.6	2.98	38.60		

REMARKS:

S.C. 117 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit STAR CREEK NO 1 District QUEBEC Hole No. S.C. 118 C

Location 45,056.7N-69,059.9E Elevation 2,035.6' Depth 50'

Drill Type JACKSON Started Oct 1/48 Completed Oct 1/48 Logged R GERIN.

Footage	Material	Fe	Mn	SiO_2		
0-15	Surface; mostly quartz, some ore material.					
15-25	do Quartzite debris?					
25-30	do coarse chert, much quartz, some ore material.					
30-40	Soft painty hematite; some chert and kaolin. Lean Ore					
40-45	do Kaolinized; probably not Lean Ore.	29.3	0.07	52.62		
45-48	do; have silica sheen					
48-50	do; with some specularite-Not Ore"	37.7	0.07	35.94		

REMARKS:

S.C. 118 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit STAR CREEK NO 1 District QUEBEC Hole No. S.C. 119 C

Location 44,937.5N-68,974.0E Elevation 2,040.7' Depth 181

Drill Type JACKSON Started Oct 2/48 Completed Oct 3/48 Logged H. Geron

Footage	Material	Fe	Mn	SiO_2		
0-10	Surface - Till					
10-15	Slightly enriched and arkosic grit.					
15-18	Quartzite, some smoky quartz grains.					

REMARKS:

S.C.119 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit STAR CREEK No 1 District QUEBEC Hole No. S.C. 120 C

Location Calculating Sheet Missing Elevation Depth 41'

Drill Type JACKSON Started Oct 4/48 Completed Oct 5/48 Logged A.E.Moss

Footage	Material	Fe	Mn	SiO_2		
0-10	Surface					
10-20	Goethite, much chert and quartz. Iron Formation					
20-30	Brown goethite; much rounded quartz. Iron formation.					
30-35	Dull blue hematite, considerable free and [illegible] impreg. quartz, rich Iron Formation.					
35-37	Fairly red hematite; less visable quartz; -Rich Iron Formation.					
37-40	do much impreg. Quartz. -Iron Formation	37.9	2.02	36.44		
40-41	Dull blue hematite; considerable free quartz and chert, -Iron Formation.					

REMARKS:

S.C. 120 C

Lat 52N' (Coin Carte 14-14-1W-1S GM-6841)

TWP 4056 (Bloc 3)

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit STAR ORFAK NO 2 District QUEBEC Hole No. S.C. 201 C

Location 42,469.5N-67,668.3E Elevation 2,113.3' Depth 28'

Drill Type JACKSON Started Sept 5/48 Completed Sept 7/48 Logged R. Goren.

Footage	Material	Fe	Mn	SiO_2		
0-5	Surface - Till					
5-10	Blue Hematite and brown goethite; quartz,					
	-Near Lean Ore.					
10-15	Iron Formation well enriched with blue					
	hematite; Near Lean Ore.					
15-20	do with much fine impreg. sugary					
	quartz.					
20-25	Well enriched Quartzose Iron Formation					
	- Possibly very lean ore.					
25-28	Blue Hematite, magnetite, considerable					
	quartz. - Lean Ore.	56.7	0.13	13.96		

REMARKS:

MINISTÈRE DES MINES, QUÉBEC

SERVICE DES GITES MINÉRAUX

No GM- 406-A

S.C. 201 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit STAR CREEK NO 2 District QUEBEC Hole No. S.C. 202 C

Location 42,567.2N-67,837.8E Elevation 2,109.5' Depth 29'

Drill Type JACKSON Started Sept 7/48 Completed Sept 9/48 Logged R. Geren.

Footage	Material	Fe	Mn	SiO_2		
0-10	Surface - Till					
10-15	Blue Hematite, magnetite, martite; considerable fine impreg. quartz. - Lean Ore.	47.7	8.51	12.72		
15-20	Missing					
20-25	Vuggy blue hematite; some martite and goethite; fine quartz 16%					
25-29	Vuggy blue hematite, brown goethite; some quartz; - Ore.	60.9	0.15	5.40		

REMARKS:

S.C. 202 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit STAR CREEK NO 2 District QUEBEC Hole No. S.C. 203 C

Location 42,660.0N-67,912.4E Elevation 2,094.7' Depth 55'

Drill Type JACKSON Started Sept.9/48 Completed Sept 10/48 Logged R. Geren.

Footage	Material	Fe	Mn	SiO_2		
0-10	Surface					
10-15	Painty red hematite and coarse angular quartz; - Not Ore.					
15-20	Enriched cherty and Quartzose Iron Formation.					
20-25	do more enriched - Not Ore.					
25-30	Earthy brown hematite, considerable kaolin, and chert. - Near Lean Ore.					
30-35	Almost entirely quartz.					
35-40	Vuggy brown goethite; some fairly coarse quartz.	53.3	1.70	15.82		
40-45	Hard brown goethite; and brown hematite; considerable impreg. quartz. - Lean Ore.					
45-50	Blue hematite and much martite, some quartz ~~some quartz~~ and chert; - Lean Ore.	58.3	0.35	14.68		
50-55	Nodular blue hematite, considerable fairly coarse quartz; - Very Lean Ore.	54.4	0.67	19.60		

REMARKS:

S.C. 203 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit STAR CREEK NO 2 District [illegible] Hole No. S.C. 204 C

Location 42,762.8N-67,935.8E Elevation 2,093.6' Depth 35'

Drill Type JACKSON Started Sept 11/46 Completed Sept 12/46 Logged S. Gerca.

Footage	Material	Fe	Mn	SiO_2		
0-25	Surface - Till					
25-30	Almost entirely cherty Chert Breccia?					
30-35	do do Chert Breccia.					

REMARKS:

S.C. 204 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit STAR CREEK NO 2 District QUEBEC Hole No. S.C. 205 C

Location 42,369.9N-67,855.7E Elevation 2,116.0' Depth 17'

Drill Type JACKSON Started Sept 12/48 Completed Sept 13/48 Logged B. Geren

Footage	Material	Fe	Mn	SiO_2		
0-10	Surface - Till					
10-15	Cindery blue hematite; considerable impreg. quartz - Lean Ore?					
15-17	do some unleached impregnate.	50.1	0.13	27.08		

REMARKS:

S.C. 205 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit STAR CREEK NO 2 District QUEBEC Hole No. S.C. 206 C

Location 42,249.45-67,763.5E Elevation 2,213.5' Depth 30'

Drill Type JACKSON Started Sept 14/48 Completed Sept 14/48 Logged R. Gervais

Footage	Material	Fe	Mn	SiO_2		
0-15	Surface - Till					
15-20	Enriched cherty Iron formation; possibly enriched Chert Breccia.					
20-25	Iron formation well enriched with blue hematite; not Ore.					
25-30	Softer cherty enriched Iron Formation - Not Ore.					

REMARKS:

S.C. 206 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit STAR CREEK NO 2 District QUEBEC Hole No. S.C. 207 C

Location 42,392.6N-63,535.0E Elevation 2,097.2' Depth 20'

Drill Type JACKSON Started Sept 15/48 Completed Sept 15/48 Logged R. Gerez

Footage	Material	Fe	Mn	SiO_2		
0-10	Surface					
10-15	Iron Formation- well enriched and layers quartz contaminated Not Ore.					
15-20	Well enriched Quartzose Iron formation.	54.9	1.37	16.82		

REMARKS:

S.C. 207 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit STAR CREEK NO 2 District QUEBEC Hole No. S.C. 208 C

Location 42,484.3N-68,603.5E Elevation 2,088.7' Depth 50'

Drill Type JACKSON Started Sept 16/48 Completed Sept 17/48 Logged R. Geren.

Footage	Material	Fe	Mn	SiO_2		
0-10	Missing					
10-15	Blue hematite and brown goethite, some quartz and surf; - Ore.					
15-25	Limonite stain vuggy blue hematite; some impreg. quartzite; Pyrol; - Ore.					
25-30	do with more fine quartz, - Ore.					
30-35	do less quartz and some Pyrol- Ore.	65.0	0.33	4.48		
35-40	Blue hematite and limonite; considerable very fine Iron Formation impreg. quartz. -Ore.	64.8	0.24	4.72		
40-45	do with more fine quartz	62.0	0.20	7.54		
45-50	do do	61.1	0.17	10.00		

REMARKS:

S.C. 208 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit STAR CREEK NO 2 District QUEBEC Hole No. S.C. 209 C

Location 42,551.6N-68,681.0E Elevation 2,077.9' Depth 58'

Drill Type JACKSON Started Sept 17/48 Completed Sept 18/48 Logged R. Geren

Footage	Material	Fe	Mn	SiO_2		
0-10	Surface - Till					
10-15	Dirty grey and partially decomposed quartzite.					
15-20	do with some chert.					
20-25	do more chert; cherty quartzite.					
25-30	do less chert- Quartzite.					
30-50	Quartzite.					
50-58	Grey Quartzite.					

REMARKS:

S.C. 2096

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit STAR CREEK NO 2 District QUEBEC Hole No. S.C. 210 C

Location 42,261.5N-69.183.2E Elevation 2,099.5' Depth 20'

Drill Type JACKSON Started Sept 20/48 Completed Sept 21/48 Logged R. Geren.

Footage	Material	Fe	Mn	SiO_2		
0-10	Surface - Till					
10-15	Blue Hematite, magnetite, martite; much fine impreg. quartz - Iron Formation.					
15-17	do with less quartz. - Lean Ore	56.6	1.41	16.40		
17-18	Enriched Quartzose Iron formation.					
18-20	do do	44.7	0.56	33.72		

REMARKS:

S.C. 210 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit STAR CREEK NO #/ District QUEBEC Hole No. S.C. 211 C

Location 42,343.1N-69,255.1E Elevation 2,089.9' Depth 21'

Drill Type JACKSON Started Sept 21/48 Completed Sept 22/48 Logged R. Geren.

Footage	Material	Fe	Mn	SiO_2	
0-5	Surface - Till				
5-10	do with much quartz and some ore material.				
10-15	Vuggy blue hematite, and much fine impreg. quartz, Lean Ore.				
15-20	do more fine quartz, enriched Iron Formation.	52.2	0.11	24.30	
20-21	Vuggy blue hematite; much fine impreg. quartz; - Near Lean Ore.				

REMARKS:

S.C. 211 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit STAR CREEK NO 2 District QUEBEC Hole No. S.C. 212 C

Location 42,499.5N-69,397.6E Elevation 2,202.0' Depth 24'

Drill Type JACKSON Started Sept 22/48 Completed Sept 22/48 Logged R. Goren

Footage	Material	Fe	Mn	SiO_2		
0-5	Surface Till					
5-10	Very earthy; much chert; chert debris?					
10-20	Chert Breccia.					
20-24	Chert and quartz; Chert Breccia. or					
	cherty quartzite ?					

REMARKS:

S.C. 212 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit STAR CREEK NO 2 District QUEBEC Hole No. S.C. 213 C

Location 42,178.7N-69,111.4E Elevation 2,115.1' Depth 43'

Drill Type JACKSON Started Sept 23/48 Completed Septn24/48 Logged R. Geren.

Footage	Material	Fe	Mn	SiO_2		
0-15	Surface					
15-18	do? coarse fragments quartzite and ore material					
18-20	Limonite enriched Iron formation, some blue hematite, little quartz. Near Lean Ore.					
20-25	More limonite, some ~~manganese~~ manganite and pyrol quartz and chert; - Ore.	37.7	9.36	22.00		
25-28	Hard reftry yellow limonite, some pyrol and coarse quartz; Ore.					
28-30	Reftry and blue goethite and Limonite, much buff pulverized quartz; Iron formation.					
30-35	Soft red stained blue hematit , some limonite pyrol, considerable quartz; Ore, Lean Ore.					
35-40	Hard Brown goethite, limonite and pyrol; less quartz, Manganese Ore.	49.9	2.09	10.72		
40-43	Mostly limonite, some brown goethite, considerable pyrol; Manganese ore					

REMARKS:

A.C. 123 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit STAR CREEK NO 2 District QUEBEC Hole No. S.C. 214 C

Location 42,030.3N-52,070.3E Elevation 2,106.3 Depth 27'

Drill Type JACKSON Started Sept. 25/1948 Completed Sept. 27/48 Logged R. Gorman

Footage	Material	Fe	Mn	SiO_2		
0-5	Surface - Till					
5-10	do considerable clayey ore fragments.					
10-14	Friable red blue hematite, considerable kaolinized pointy particles and chert, no quartz - Lean Ore?					
10-15	do less Silicat Ore Lean Ore.					
15-18	do with more Kaolin and chert not Ore.					
18-20	Lean Cherty Iron Formation					
20-21	do more enriched					
21-24	Soft pointy red blue hematite, considerable pyrol and kaoling - Lean Ore.					
24-27	Well enriched cherty Iron formation.	39.7	0.24	36.40		

REMARKS:

S.C. 214 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit STAR CREEK NO 2 District QUEBEC Hole No. S.C. 215 C

Location 42,286.3N-68,466.9E Elevation 2,101.1' Depth 40'

Drill Type JACKSON Started Sept 17/48 Completed Sept 23/48 Logged M. Goren

Footage	Material	Fe	Mn	SiO_2		
0-10	Surface - Till					
10-15	Fissile, rather soft red and blue hematite,					
	and limonite; considerable chert-Lean Ore.					
15-20	Missing					
20-25	Limonite and hard brown goethite; consider-					
	able very fine impreg. quartz; Lean Ore-Ore,					
25-30	do with more fragments pulv. quartz, some					
	pyrol; Lean Manganese Ore.					
30-35	do do -Near Lean Ore.					
35-40	More Limonitic, Less quartz;-Lean Ore.	52.3	0.06	11.84		

REMARKS:

S.C. 215 C

Iron Ore Company of Canada

TEST DRILL HOLE

DETAILED LOG

Deposit STAR CREEK NO 2 District QUEBEC Hole No. S.C. 216 C

Location 42,197.6N-68,346.9E Elevation 2,106.9' Depth 27'

Drill Type JACKSON Started Sept 29/48 Completed Sept 30/48 Logged G. GREEN

Footage	Material	Fe	Mn	SiO_2		
0-10	Surface - Till					
10-15	Soft hematized Iron Formation - Not Ore.					
15-20	Rusty Rock - Possibly ferruginous chert					
20-25	Cherty Iron formation					
25-27	No sample					

REMARKS:

S.C. 216 C

DRILL - HOLE #

QUEBEC DEPARTMENT OF MINES

MINERAL DEPOSITS BRANCH

No G M- 406-A

LEGEND

(TO ACCOMPANY ANALYSIS SHEETS)

CASING RECORD

COMBINED ANALYSIS

- OVERBURDEN

- BESSEMER AND NON-BESSEMER IRON ORE

FE
MN
P
SiO_2
} STRAIGHT AVERAGES

- MANGANIFEROUS IRON ORE

CaO
MgO
S
Al_2O_3
Loss
} COMPOSITE ANALYSES

- LEAN IRON ORE

- IRON FORMATION AND SHALY IRON FORMATION

- SHALE

- QUARTZITE

- CHERT BRECCIA

Sidebar (illegible) Drawing 11-15

TWP 395 (Block 3) HOLLINGER NORTH SHORE EXP. CO. NEW QUEBEC Reg.

FORM BC 11

H.N.S.E.Co.

DEPOSIT – BURNT CREEK No. 1 DISTRICT – Quebec HOLE NO. – BC-101

LOCATION – 32,991.9 N – 81,356.8 E ELEVATION – 2130.3' DEPTH – 224'

DRILL TYPE – Longyear STARTED – July 28, 1948 COMPLETED – Oct. 28, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10																	
15																	
20					39.7	1.13	.060	29.62									
25	Chiefly magnetite with some quartz. –				55.7	2.27	.111	7.18									
30					60.6	1.48	.076	5.43	58.8	1.87	.079	7.06	.03	.03	2.14	.014	3.02
35					60.1	1.85	.049	8.57									
40	Hematite, magnetite and pyrolusite – with more quartz.				61.0	4.06	.035	4.08									
45					48.5	10.02	.027	12.40	51.7	7.36	.029	11.99	.09	.03	.49	.017	2.45
50					45.7	8.00	.026	19.49									
55	Enriched ferrocarbonate I. F. –				47.7	4.86	.031	21.01									
60					39.4	4.28	.033	34.58	43.6	4.57	.032	27.80					
65	Same – with less quartz.				45.4	6.71	.035	21.43									
70					48.7	6.40	.031	18.50	47.5	6.56	.033	19.96	.08	.04	.39	.012	2.24
75	Hematite and magnetite with some quartz.				60.1	.24	.031	7.76									
80					61.7	.45	.037	8.29	60.9	.34	.034	8.02	.09	.05	.23	.024	1.76
85	Same – with more fine quartz.				59.2	.18	.029	12.25									
90					57.7	.74	.031	13.32	57.8	.65	.036	12.73	.08	.05	.24	.021	3.06
95					56.5	1.03	.049	12.61									
100					59.4	.87	.036	9.76									
105					62.8	.26	.051	5.69									
110	Goethite, hematite and manganese, with some coarse quartz.				62.6	.24	.044	6.73									
115					63.4	.18	.044	5.46									
120					60.9	.08	.040	10.16	62.3	.24	.038	7.78	.09	.04	.11	.021	2.22
125					63.2	.10	.033	7.34									
130					59.3	.16	.020	14.15									
135					64.6	.08	.042	6.17									
140					64.8	.16	.033	4.58									
145					58.0	.10	.031	14.19									
150					59.9	.08	.037	10.95									
155	Same – with more fine quartz.				59.1	.13	.038	11.17									
160					56.4	.08	.037	15.31	58.8	.09	.038	11.99	.09	.05	.16	.021	2.71
165					60.7	.06	.029	9.62									
170					59.5	.08	.040	10.70									
175			B.X.		58.4	.11	.047	11.83									
180					59.9	.16	.045	9.97									
185	Cindery blue hematite, with minor fine quartz.				63.6	.27	.043	5.63									
190					64.0	.35	.062	4.66									
195					62.2	.32	.064	7.38									
200					63.1	.35	.079	4.80									
205					63.7	.32	.081	3.07	63.2	.26	.060	5.54	.09	.05	.19	.015	2.87
210					62.1	.21	.071	6.31									
215					64.6	.19	.057	3.99									
220					62.5	.18	.045	7.29									
224					64.5	.13	.053	4.49									

MINISTÈRE DES MINES, QUÉBEC
SERVICE DES GITES MINÉRAUX
No GM-406-A

REMARKS

BC-101

FORM BC 11

H.N.S.E.Co.

DEPOSIT – BURNT CREEK No. 1 DISTRICT – Quebec HOLE NO. – BC-101 BD

LOCATION – 32,757.8 N – 81,285.5 E ELEVATION – 2154.8' DEPTH – 167'

DRILL TYPE – 27T + SULLIVAN STARTED – Oct. 17, 1948 COMPLETED – Oct. 19, 1948 LOGGED – H.W. Fleming

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Cindery blue hematite and much magnetite with minor quartz		N.X.		62.8	2.56	.030	3.51									
10					63.0	2.64	.039	3.52									
15					63.8	1.93	.023	4.63									
20					62.4	2.06	.020	6.26									
25					63.4	1.85	.021	4.62									
30					64.4	1.53	.018	3.88									
35					65.2	.79	.016	4.20									
40					65.5	.63	.020	4.52									
45					65.5	.74	.020	4.15									
50					Sample Missing				63.9	1.03	.020	5.75	.09	.04	.24	.015	.70
55					63.7	.85	.016	5.80									
60					64.4	.24	.013	6.67									
65					65.6	.16	.011	4.86									
70					64.4	.21	.013	6.43									
75					63.4	.34	.016	7.61									
80					Sample Missing												
85					62.7	.45	.014	8.54									
90					60.7	.47	.014	11.35									
95					62.1	.55	.016	8.92									
100			B.X.		61.2	.47	.021	10.82									
105					67.0	.75	.024	2.33									
110					66.0	1.34	.031	2.45									
115	Blue hematite with considerable psilomelane and minor quartz.				54.3	10.62	.039	2.72									
120					59.2	6.58	.036	2.21									
125					56.0	8.30	.062	2.38									
130					24.1	32.70	.071	7.47									
135					25.5	33.80	.074	4.39	48.6	14.25	.065	2.91	.09	.04	.44	.011	5.08
140					52.5	11.02	.079	1.53									
145					56.9	7.57	.070	1.15									
150					51.0	11.78	.081	2.50									
155					57.8	5.89	.076	1.83									
160	Cindery blue hematite with some chert.				61.7	.64	.069	4.89									
165					63.9	.35	.055	4.03	62.8	.50	.062	4.46	.09	.05	1.15	.017	5.17
167																	

REMARKS

Deepened from 100' with Diamond Drill.

BC-101 BD

FORM BC 11

H.N.S.E.Co.

DEPOSIT – BURNT CREEK No. 1 DISTRICT – Quebec HOLE NO. – BC-102 B

LOCATION – 32,749.6 N – 81,753.6 E ELEVATION – 2131.2' DEPTH – 120'

DRILL TYPE – 27 T STARTED – Oct. 18, 1948 COMPLETED – Oct. 20, 1948 LOGGED – H.E. Moss

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Ore debris–		6"														
10																	
15																	
20			Open		44.9	9.07	.028	15.53									
25			Hole		42.7	14.32	.029	12.19									
30					43.5	14.72	.031	9.84									
35	Blue hematite and pailomelane with considerable quartz.				47.1	13.07	.031	8.82									
40					49.4	8.50	.024	11.26	48.8	9.58	.028	11.09	.08	.04	.29	.012	3.42
45					51.7	7.66	.019	11.73									
50					51.3	8.35	.027	9.52									
55					49.5	9.30	.033	10.72									
60					52.2	7.22	.029	10.63									
65					56.0	3.58	.033	10.63									
70					57.2	1.71	.038	11.16									
75	Same– with no pailomelane–				57.6	.70	.034	13.30									
80					59.3	.59	.033	11.76	57.4	.74	.032	13.68	.09	.04	.30	.015	1.71
85					54.8	.31	.028	18.50									
90					58.2	.40	.029	13.66									
95	Red hematite– with minor quartz				62.6	.70	.110	2.37	62.4	.63	.100	3.24	.10	.05	.48	.009	5.20
100					62.2	.56	.089	4.10									
105	Same–				56.3	.37	.031	16.74									
110	with more quartz.				56.9	.70	.034	15.36	55.4	.79	.031	16.65	.08	.03	.44	.015	1.23
115					53.8	1.31	.028	17.04									
120																	

REMARKS

BC-102 B

Quebec 395c (Block 3)

FORM BC 11

H.N.S.E.Co.

DEPOSIT – BURNT CREEK No. 3 | DISTRICT – Quebec | HOLE NO. – BC-301B

LOCATION – 32,590.4N – 82,493.9E | ELEVATION – 2104.1' | DEPTH – 225'

DRILL TYPE – 22T | STARTED – Oct. 19, 1948 | COMPLETED – Oct. 21, 1948 | LOGGED – H.E.M...

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10	I.F. – enriched with blue hematite.				42.7	3.00	.028	25.36									
15			Open		45.1	2.28	.026	25.60									
20			Hole		46.8	1.77	.026	25.51	45.8	1.50	.024	27.34					
25					47.0	.73	.019	30.34									
30					46.7	.59	.026	28.52									
35					46.7	.64	.019	28.18									
40	Blue hematite with considerable fine quartz.				57.0	.83	.016	14.71									
45					52.7	.94	.014	20.30									
50					55.3	.91	.024	16.12									
55					51.5	1.23	.029	20.90	54.0	.12	.032	16.78	.09	.05	1.60	.011	2.03
60					53.0	1.45	.040	16.76									
65					54.4	2.04	.068	11.86									
70	Fairly red hematite with less quartz.				56.0	2.68	.068	9.40									
75					57.6	2.98	.066	8.26									
80					58.0	2.17	.069	8.93									
85					56.9	2.12	.086	9.65	57.1	2.48	.076	9.19	.10	.05	2.22	.010	2.65
90					58.0	1.58	.082	10.24									
95					56.3	3.80	.081	7.79									
100					57.0	2.04	.081	10.06									
105	Cherty and quartzose I.F. –				41.0	1.61	.102	31.02									
110					44.8	3.30	.094	23.84	43.9	3.45	.096	22.82					
115					43.8	5.75	.092	20.98									
120					46.0	3.14	.107	19.59									
125	Same – with less chert and some manganese.				46.5	3.14	.107	17.98									
130					49.0	4.16	.140	14.92	47.8	3.65	.121	16.01					
135					48.0	3.64	.116	15.23									
140	Well enriched cherty I.F. – near lean ore.				45.4	2.28	.116	17.59									
145					44.2	3.21	.112	18.48									
150					48.3	1.90	.114	17.68									
155					46.8	2.17	.096	21.88									
160					45.8	2.28	.099	22.53									
165					45.2	1.45	.086	25.53									
170					39.8	1.93	.096	31.16									
175					37.6	1.21	.096	34.80									
180					44.8	1.88	.109	22.76	45.3	1.89	.119	21.70					
185					49.0	2.94	.142	14.24									
190					47.9	1.66	.192	14.52									
195					46.5	1.77	.178	16.51									
200					44.0	1.82	.162	19.98									
205					45.0	1.74	.131	22.14									
210					47.5	1.42	.118	19.28									
215					51.6	1.53	.105	15.50									
220					44.5	1.74	.096	25.60									
225					44.1	1.47	.092	26.87									

Ministère des Mines et Ressources Naturelles, Québec
SERVICE DES GITES MINERAUX
No GM- H06-A

REMARKS

FORM BC 11

H.N.S.E.Co.

DEPOSIT – BURNT CREEK No. 3 | DISTRICT – Quebec | HOLE NO. – BC-302 B

LOCATION – 32,748.2N-82,582.0E | ELEVATION – 2118.4' | DEPTH – 105'

DRILL TYPE – 27 T | STARTED – Oct. 22, 1948 | COMPLETED – Oct. 22, 1948 | LOGGED – H.E. Moore

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25																	
30					28.1	.24	.094	40.80									
35					40.7	.29	.056	33.08									
40			Open		36.2	.35	.037	42.76									
45	Cherty I.F. – enriched with painty red hematite.		Hole		34.1	.32	.041	44.75									
50					42.7	.32	.036	35.07	40.8	.28	.053	34.95					
55					44.5	.29	.039	33.05									
60					37.6	.21	.037	43.04									
65					44.8	.19	.043	31.77									
70					50.9	.35	.066	22.04									
75					48.6	.26	.083	23.17									
80	Painty red hematite with some magnetite.				52.6	.32	.087	17.22									
85					52.3	.32	.105	16.02	53.4	.38	.067	16.22	.09	.05	3.01	.008	3.15
90					55.1	.32	.083	14.86									
95					53.4	.57	.073	16.77									
100	Cherty I.F.				44.7	.57	.064	29.97	42.8	.64	.058	32.48					
105					40.9	.72	.053	34.98									

REMARKS

BC-302B

carton 3956 (Block 3)

FORM BC 11

H.N.S.E.Co.

DEPOSIT – BURNT CREEK No. 6 DISTRICT – Quebec HOLE NO. – BC-602 BD

LOCATION – 32,267.2 N-80,545.5 E ELEVATION – 2129.1' DEPTH – 337'

DRILL TYPE – 22 T and Sullivan STARTED – Oct. 16, 1948 COMPLETED – Oct. 24, 1948 LOGGED – H.W. Fleming

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Hematite and martite with considerable quartz		6"		54.7	.86	.068	13.92	53.0	.88	.064	16.01	.08	.05	2.08	.007	2.65
10			NX		51.4	.89	.060	18.10									
15					58.3	2.09	.077	8.60									
20					60.6	2.50	.071	5.61									
25	Hematite, magnetite and martite –				60.3	3.90	.081	2.45									
30					62.2	2.84	.107	1.40									
35	with some psilomelane and				60.8	3.78	.133	1.25	58.2	4.46	.132	2.49	.09	.06	.83	.010	5.84
40					53.8	3.50	.178	.27									
45	minor quartz.				56.7	3.04	.190	1.50									
50					49.3	12.44	.143	.76									
55					54.6	7.24	.172	1.28									
60					59.6	3.32	.172	1.32									
65					62.1	1.18	.152	1.38									
70					62.5	.91	.152	1.59									
75					60.3	2.60	.160	1.39									
80					63.3	.83	.146	1.45									
85	Chiefly goethite				61.9	1.02	.124	2.00									
90					62.9	.38	.131	2.50	61.8	.81	.122	3.75	.08	.05	.43	.009	5.55
95	with minor quartz.				59.1	.30	.041	12.40									
100					57.2	.27	.041	14.66									
105					64.2	.59	.115	2.06									
110					63.0	.48	.130	2.20									
115					63.3	.53	.130	2.10									
120					62.4	.65	.139	1.30									
125					57.6	4.36	.137	1.61									
130					53.6	10.45	.090	1.31									
135					55.6	7.93	.105	1.80									
140					60.2	4.52	.102	1.46									
145					60.7	3.41	.143	1.48									
150			BX		59.0	4.34	.130	1.27									
155					57.8	5.61	.152	1.93									
160					35.0	26.65	.132	1.63									
165					34.0	28.30	.201	2.45									
170					15.9	45.46	.165	1.02									
175					57.5	2.50	.250	5.26									
180					35.4	28.80	.225	3.30									
185					41.5	17.67	.242	3.08									
190	Red hematite –				38.4	20.50	.215	2.86									
195					41.4	18.08	.162	5.32									
200	with pyrolusite				43.6	17.70	.124	3.59									
205					44.5	15.80	.129	4.76	48.5	13.22	.152	3.97	.08	.04	1.77	.007	4.97
210	and psilomelane				38.2	23.95	.154	2.08									
215					47.1	11.87	.120	8.00									
220	and minor quartz.				46.4	14.20	.126	5.32									
225					51.1	12.57	.156	2.07									
230					50.4	16.55	.180	1.61									
235					49.3	13.62	.165	2.07									
240			AX		50.6	12.77	.172	1.55									
245					57.2	6.86	.124	2.10									
250					39.2	21.12	.146	6.28									
255					48.1	14.35	.146	2.85									
260					41.4	17.20	.160	4.75									
265					55.2	8.45	.139	2.39									
270					57.0	6.33	.150	3.04									
275					60.2	6.84	.111	3.36									
280					60.2	3.86	.178	3.96									
285					51.2	10.75	.124	3.82									
290					51.9	10.27	.107	4.11									
295					56.5	4.96	.100	5.21									
300					47.2	11.90	.116	3.80									
305			EX		50.9	4.08	.197	21.68									
310					42.0	7.76	.182	16.70									
315	Charty I.F. –				28.7	12.60	.203	22.28									
320					31.8	2.36	.212	31.27	31.2	6.15	.275	29.62					
325					29.7	8.77	.310	20.14									

MINISTÈRE DES MINES, QUÉBEC

SERVICE DES GITES MINÉRAUX

No GM- HOG-A

REMARKS

Deepened from 80' with Diamond Drill. –

Continued on next page –

BC-602 BD

FORM AC 11

H.N.S.E.Co.

DEPOSIT – BURNT CREEK No.6 DISTRICT – Quebec HOLE NO. – BC-602 BD

LOCATION – ELEVATION – DEPTH – 337'

DRILL TYPE – 22 T and Sullivan STARTED – Oct. 16, 1948 COMPLETED – Oct. 24, 1948 LOGGED – H.W. Fleming

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
330			EX		33.0	9.71	.359	19.57									
335					33.4	2.67	.299	36.42									
337					30.8	.78	.265	48.04									

REMARKS

BC-602 BD

FORM BC 11

H.N.S.E.Co.

DEPOSIT – BURNT CREEK No. 6 DISTRICT – Quebec HOLE NO. – BC-603 BD

LOCATION – 32,518.9 N – 80,637.0 E ELEVATION – 2128.6' DEPTH – 345'

DRILL TYPE – 22 T STARTED – Oct. 17, 1948 COMPLETED – Oct 25, 1948 LOGGED – A.E. Moore

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Ore debris		6"														
10			NX														
15					38.1	2.86	.295	27.07									
20					48.0	3.68	.160	10.94									
25					45.4	9.12	.435	6.24									
30					38.0	16.40	.360	5.30									
35					43.3	11.88	.397	5.18									
40					48.9	6.11	.398	5.10									
45					51.1	4.78	.388	6.54									
50					50.9	3.58	.367	9.37									
55					53.2	3.52	.327	7.24									
60					38.5	18.55	.207	5.67									
65																	
70	Mixture of goethite,				45.7	6.05	.271	5.10									
75					43.9	13.77	.227	4.25									
80	limonite and hematite,				42.4	13.82	.203	4.17									
85					45.6	10.50	.159	5.03	47.7	8.48	.258	5.53	.09	.04	1.72	.008	3.60
90	with some pyrolusite				35.8	20.16	.146	4.18									
95					48.0	6.93	.224	5.70									
100	and minor quartz.				49.5	5.02	.362	5.87									
105					50.2	.80	.253	4.46									
110					44.3	10.40	.238	6.88									
115					53.1	2.53	.275	7.43									
120					51.8	4.96	.212	5.38									
125					52.1	4.88	.260	4.14									
130					53.2	2.92	.174	10.08									
135					54.3	4.12	.148	5.20									
140					36.9	21.[illegible]	.126	5.45									
145					50.6	8.51	.157	4.22									
150					50.7	7.50	.201	3.56									
155					49.6	9.42	.187	3.21									
160			RX		47.6	10.80	.214	2.94									
165					53.5	5.97	.155	2.94									
170					54.4	4.30	.197	4.12									
175					58.1	1.34	.236	3.20									
180					57.0	1.10	.227	5.00									
185					53.9	3.25	.160	7.67									
190	Limonite and goethite				54.7	2.79	.199	6.43									
195	with				55.5	2.31	.185	6.10	55.5	2.17	.216	5.85	.07	.04	.57	.010	9.24
200	some pyrolusite.				55.6	2.47	.214	5.87									
205					53.7	4.20	.188	6.10									
210					55.8	.75	.288	5.80									
215					55.2	1.32	.251	6.45									
220					49.3	5.93	.236	8.10									
225					47.7	6.82	.183	10.62									
230					54.0	2.25	.153	8.13									
235					49.6	6.71	.160	7.94									
240					51.0	5.00	.210	8.78									
245					55.1	4.16	.191	4.00									
250	Chiefly goethite				41.8	15.60	.197	6.00									
255					35.2	22.25	.174	5.16									
260	with considerable				42.3	14.55	.150	6.72									
265					44.7	14.05	.172	3.72	48.9	7.20	.215	8.30	.08	.04	.79	.008	9.60
270	psilomelane and		AX		53.7	3.90	.345	5.94									
275					43.9	13.85	.186	5.22									
280					51.7	6.58	.253	3.65									
285					55.0	2.04	.245	6.60									
290					49.4	4.48	.293	12.12									
295					55.8	.67	.317	8.87									
300					48.2	6.98	.255	10.44									
305					50.2	3.00	.133	15.13									
310					52.3	1.66	.233	12.61									
315					47.5	3.49	.214	16.23									
320	Charty goethite.				48.9	1.85	.192	17.40	51.3	1.0.	.236	14.19	.08	.04	.70	.011	9.12
325					52.0	.83	.257	12.99									

REMARKS

Deepened from 60' with Diamond Drill –

Continued on next page –

BC-603BD

FORM BC 11

H.N.S.E.Co

DEPOSIT – BURNT CREEK No.6 **DISTRICT** – Quebec **HOLE NO.** – BC-603 BD

LOCATION – **ELEVATION** – **DEPTH** – 345'

DRILL TYPE – 22 T **STARTED** – Oct. 17, 1948 **COMPLETED** – Oct 25, 1948 **LOGGED** – A.E. Moore

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
330			A.X.		54.4	.53	.229	9.24									
335					42.9	.83	.265	17.13									
340					43.8	3.38	.297	21.82									
345					48.0	1.91	.231	19.68									

REMARKS

BC 603 BD

FORM BC 11

H.N.S.E.Co.

DEPOSIT – BURNT CREEK No.6 | DISTRICT – Quebec | HOLE NO. – BC-604B

LOCATION – 32,696.7N-80,690' E | ELEVATION – 2140.2' | DEPTH – 45'

DRILL TYPE – 22T | STARTED – Oct. 17, 1948 | COMPLETED – Oct. 17, 1948 | LOGGED – H.W. Fleming

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25	Quartzite enriched with manganese.		Open Hole														
30																	
35																	
40																	
45																	

REMARKS

No analyses.

TWP 4056 (Block 3)

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – DENAULT No.1 | DISTRICT – Quebec | HOLE NO. – D-101B

LOCATION – 42,153.5N-79,995.9E | ELEVATION – 1920.2' | DEPTH – 215'

DRILL TYPE – 22T | STARTED – Oct. 9, 1948 | COMPLETED – Oct. 11, 1948 | LOGGED – H.W. Fleming

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Ore debris		6"		43.7	.13	.054	20.44									
10					58.4	.18	.058	4.27									
15					58.9	.16	.047	3.67									
20					58.5	.19	.056	4.20									
25					58.9	.13	.054	3.34									
30					58.6	.18	.068	3.04									
35	Limonite and goethite with minor quartz.				58.0	.21	.079	2.88									
40					58.1	.24	.072	2.69	58.7	.20	.059	3.13	.12	.04	1.35	.051	10.43
45					58.1	.19	.065	2.53									
50					58.0	.32	.054	3.04									
55					58.9	.16	.051	2.74									
60					59.2	.22	.053	2.68									
65					59.3	.14	.053	2.85									
70			Open		59.4	.15	.058	2.60									
75			Hole		59.0	.40	.063	3.30									
80					56.5	2.17	.081	4.16									
85					44.8	11.85	.077	4.75									
90					43.5	13.10	.065	3.15									
95					48.0	10.00	.075	3.18									
100					46.5	11.15	.065	4.63									
105	Limonitic goethite with considerable psilomelane and minor coarse qu mtz.				42.3	15.00	.068	3.89									
110					44.4	12.25	.067	5.82									
115					43.8	15.28	.063	3.83	46.1	9.81	.073	5.25	.12	.05	2.20	.040	10.25
120					48.7	7.95	.091	4.17									
125					43.9	13.45	.041	4.98									
130					50.1	7.07	.067	4.66									
135					51.4	4.74	.081	6.10									
140					50.4	5.89	.077	6.10									
145					48.2	7.50	.076	5.58									
150					41.5	10.22	.082	6.12									
155					37.7	9.40	.093	12.87									
160					35.3	3.74	.077	25.94									
165					31.8	2.01	.077	33.53									
170					39.0	2.14	.082	26.15									
175					44.3	2.30	.098	19.03									
180	I.F. – enriched with limonite and goethite. Both chert and quartz present.				39.6	3.74	.097	24.07									
185					35.4	3.10	.109	26.70									
190					29.3	1.77	.086	34.80	32.4	2.28	.088	27.93					
195					25.0	1.17	.074	40.07									
200					27.1	1.66	.093	33.80									
205					26.2	1.90	.070	37.94									
210					27.8	1.55	.086	32.89									
215					27.7	1.66	.105	24.23									

MINISTÈRE DES MINES, QUÉBEC
SERVICE DES GITES MINÉRAUX
No GM-406-A

REMARKS

D-101B

FORM 30 11

H.N.S.E.Co.

DEPOSIT – DENAULT No. 1 | DISTRICT – Quebec | HOLE NO. – D-102 B

LOCATION – 42,248.0 N – 80,172.1 E | ELEVATION – 1934.4' | DEPTH – 209'

DRILL TYPE – 22 T | STARTED – Oct. 12, 1948 | COMPLETED – Oct. 14, 1948 | LOGGED – H.W. Fleming

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Limonite and goethite with surface contamination		6"		40.6	.13	.057	22.40									
10					42.0	.16	.053	22.93									
15					41.7	.16	.060	28.29									
20	Same with less contamination.		Open		49.5	.19	.062	14.05	49.8	.20	.061	13.52	.12	.04	3.11	.024	9.37
25			hole		50.2	.21	.060	13.00									
30					56.1	.19	.071	6.43									
35					56.8	.22	.080	5.83									
40					56.7	.24	.078	6.64									
45					53.7	.19	.082	10.91									
50					56.6	.14	.084	6.36									
55					57.3	.19	.080	6.27									
60					57.3	.29	.077	5.09									
65					57.0	.24	.082	5.42									
70	Chiefly goethite				55.4	.30	.082	8.19									
75					54.1	.24	.086	9.82									
80	and limonite with				57.0	.24	.106	5.54	56.8	.25	.083	5.96	.11	.04	.85	.041	10.34
85					56.9	.24	.106	5.18									
90	some quartz.				56.8	.26	.078	5.19									
95					57.2	.22	.097	4.35									
100					58.6	.19	.075	3.24									
105					58.2	.38	.075	3.90									
110					58.3	.35	.086	4.26									
115					59.0	.19	.088	3.29									
120					58.6	.37	.089	3.56									
125					56.7	.29	.082	6.09									
130					54.1	.19	.060	9.66									
135	Cherty enriched I F. –				47.3	.24	.051	21.53	47.5	.30	.055	21.28	.10	.05	1.12	.054	7.77
140					47.6	.35	.060	21.03									
145	Limonitic goethite with considerable chert.				54.3	.72	.071	9.38									
150					50.1	.70	.067	15.75	51.5	.65	.065	14.18	.11	.03	1.03	.049	9.05
155					49.6	.53	.058	17.41									
160					55.8	.53	.049	7.40									
165					56.6	.43	.075	5.38									
170					56.3	.35	.064	5.60									
175					56.6	.35	.064	6.00									
180	Limonitic goethite with some chert and quartz.				56.2	.35	.080	6.14									
185					56.3	.35	.080	6.59	56.3	.34	.074	6.35	.12	.05	1.14	.063	10.39
190					56.4	.43	.082	5.74									
195					56.0	.27	.075	7.32									
200					56.6	.21	.077	6.62									
205					56.6	.16	.082	6.23									
209					55.9	.35	.086	6.80									

REMARKS

D-102 B

FORM BC 11

H.N.S.E.Co.

DEPOSIT – DENAULT No. 1 | DISTRICT – Quebec | HOLE NO. – D-103B

LOCATION – 42,545.4 N – 79,884.E | ELEVATION – 1937.4' | DEPTH – 170'

DRILL TYPE – 22 T | STARTED – Oct. 14, 1948 | COMPLETED – Oct. 16, 1948 | LOGGED – H. W. Fleming

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Limonitic goethite with some martite and considerable quartz.		6"		55.3	.13	.241	12.86									
10			Open		56.2	.08	.046	10.43									
15			Hole		54.7	.11	.058	12.37									
20					56.4	.06	.057	10.22									
25					54.0	.08	.039	15.36	55.4	.12	.040	13.19	.11	.05	.40	.013	6.68
30					55.3	.11	.028	13.90									
35					57.1	.19	.021	11.84									
40					55.8	.11	.023	14.69									
45					53.7	.21	.021	17.07									
50	Same with less quartz.				58.0	.05	.030	9.27									
55					53.9	.10	.042	5.40									
60					60.2	.08	.048	4.10	59.8	.08	.042	5.47	.10	.05	.34	.012	8.54
65					61.0	.11	.046	3.10									
70	Limonite and goethite with minor quartz.				59.9	.08	.053	3.99									
75					59.5	.03	.064	5.02									
80					60.6	.13	.069	3.33									
85					60.6	.14	.062	3.04									
90					60.8	.11	.067	2.47									
95					60.2	.13	.069	3.39									
100					57.7	.18	.074	6.87									
105					59.2	.18	.090	4.20									
110					60.3	.18	.087	3.41									
115					60.2	.18	.087	2.71									
120					59.5	.16	.102	3.33	60.1	.15	.086	3.19	.10	.05	.54	.011	3.52
125					60.5	.21	.104	2.05									
130					60.6	.21	.106	2.44									
135					60.0	.13	.113	2.76									
140					59.7	.21	.122	3.21									
145					59.7	.19	.110	2.92									
150					61.	.16	.085	2.39									
155					60.7	.10	.085	2.69									
160					61.0	.11	.083	2.09									
165					60.5	.10	.090	2.43									
170					60.8	.16	.092	2.34									

REMARKS

D-103B

FORM BC 11

H.N.S.E.Co.

DEPOSIT – DENAULT No.1 DISTRICT – Quebec HOLE NO. – D-104B

LOCATION – 43,055.5 N – 79,564.4 E ELEVATION – 1914.6' DEPTH – 50'

DRILL TYPE – 22 T STARTED – Oct. 16, 1948 COMPLETED – Oct. 17, 1948 LOGGED – H.W. Fleming

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface and ore debris.	CASED	6"		16.8	.19	.028	54.25									
10					25.1	.21	.031	49.84									
15					32.7	.08	.022	44.98	29.4	.16	.027	44.80					
20					31.4	.10	.024	42.00									
25					41.1	.22	.028	33.13									
30	I.F. – enriched with brown goethite and some martite.		Open Hole		41.8	.16	.024	33.57									
35					42.6	.17	.029	33.33									
40					48.2	.13	.041	26.31	44.5	.16	.038	30.86					
45					47.7	.14	.043	26.42									
50					42.1	.22	.053	34.67									

REMARKS

D-104B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – DENAULT No.1 | DISTRICT – Quebec | HOLE NO. – D-105 B

LOCATION – 43,029.2N-79,526.3E | ELEVATION – 1910.5' | DEPTH – 40'

DRILL TYPE – 22 T | STARTED – Oct. 18, 1948 | COMPLETED – Oct. 18, 1948 | LOGGED – H.W. Fleming

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface and ore debris	2 2 3 3 8	6"		16.2	.24	.031	51.13									
10					16.6	.05	.035	49.90									
15					26.9	.05	.026	43.48	26.1	.11	.027	44.72					
20					33.7	.06	.024	38.86									
25					37.1	.13	.018	40.25									
30	Enriched quartzose I.F.				42.5	.08	.018	34.11									
35					43.5	.14	.021	32.65	43.0	.11	.020	33.38					
40																	

REMARKS

D-105 B

Total holes (now each 11-20)

TWP 4353 (Block 4)

FORM BC 11

H.N.S.E. Co.

DEPOSIT – ECLIPSE LAKE No. 1 DISTRICT – Quebec HOLE NO. – E-101

LOCATION – 227,399.0 N – 84,225.8 W ELEVATION – 2679.5' DEPTH – 205'

DRILL TYPE – Sullivan STARTED – June 11, 1948 COMPLETED – June 24, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			N.X		63.5	.13	.024	3.57									
10					64.3	.15	.024	2.47									
15					60.1	.10	.026	9.51									
20					62.5	.10	.022	5.01									
25					63.1	.10	.020	5.00									
30					63.8	.11	.021	3.92									
35					64.1	.13	.019	3.31									
40	Coarse blue-red hematite				65.2	.08	.032	2.27									
45					63.6	.10	.058	3.74									
50	with some				65.9	.08	.019	1.73									
55					66.0	.08	.021	2.00									
60	martite and magnetite				65.5	.08	.022	1.86	64.7	.08	.018	3.66	.10	.05	.34	.012	2.66
65					64.9	.10	.019	2.84									
70	and				66.2	.13	.019	1.81									
75					66.8	.10	.015	1.25									
80	minor coarse quartz.				65.0	.11	.018	3.11									
85					64.9	.03	.012	3.57									
90					65.3	.02	.012	3.10									
95					66.6	.03	.015	2.43									
100					66.9	.02	.009	2.60									
105					65.6	.03	.008	4.14									
110					66.2	.10	.005	4.20									
115					65.1	.08	.008	5.02									
120					62.4	.05	.012	9.27									
125					Sample Missing												
130	Well enriched I.F. – with				53.1	.08	.010	21.25									
135					33.8	.02	.008	50.00	43.8	.05	.017	32.93					
140	fine quartz.				45.6	.07	.010	32.37									
145					42.8	.03	.039	28.10									
150			B.X.		36.4	.04	.027	42.61									
155					40.3	.03	.029	34.93									
160					17.0	.02	.031	63.56									
165					30.6	.08	.025	50.04									
170	Cherty I.F. – enriched with				33.6	.05	.024	47.63									
175					29.6	.10	.020	53.46	29.2	.06	.029	51.86					
180	red hematite.				35.2	.10	.020	45.27									
185					31.1	.10	.043	38.94									
190					23.1	.03	.025	63.60									
195					27.5	.02	.040	52.95									
200					17.4	.05	.026	72.68									
205					28.2	.10	.033	56.68									

Ministère des Richesses Naturelles, Québec
SERVICE DES GITES MINÉRAUX
No GM- 406-A

REMARKS

FORM DC 11

H.N.S.E.Co.

DEPOSIT – ECLIPSE LAKE No.1 DISTRICT – Quebec HOLE NO. – E-102

LOCATION – 227,547.8 N – 83,966.5 W ELEVATION – 2723.2' DEPTH – 264'

DRILL TYPE – Sullivan STARTED – June 25, 1948 COMPLETED – July 11, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			N.X		63.2	.13	.014	6.35									
10					64.6	.16	.016	5.01									
15					65.7	.13	.018	3.93									
20					65.6	.13	.020	4.61									
25					63.2	.14	.014	7.05									
30					64.0	.10	.012	5.60									
35					62.3	.13	.010	7.95									
40					62.8	.11	.010	8.25									
45					64.6	.15	.013	5.65									
50					62.4	.05	.008	9.10									
55					63.6	.10	.015	6.85									
60					62.7	.11	.012	7.88									
65					62.4	.06	.012	7.90									
70					61.2	.13	.012	10.15									
75	Vuggy blue hematite – with				58.2	.13	.014	14.68									
80					61.9	.13	.009	8.50									
85	minor goethite				62.2	.10	.011	8.33	62.7	.12	.018	7.54	.10	.05	.40	.012	1.95
90					61.8	.08	.013	9.36									
95	and little quartz.				60.0	.11	.013	11.58									
100					64.0	.16	.018	6.27									
105					62.0	.10	.014	8.49									
110					63.3	.13	.018	6.55									
115					64.2	.21	.018	6.55									
120					63.1	.10	.016	8.58									
125					62.1	.11	.022	9.22									
130					63.1	.13	.026	6.08									
135					63.5	.08	.030	4.83									
140					63.3	.13	.036	4.06									
145					63.1	.13	.025	4.99									
150			B.X.		63.0	.19	.032	4.70									
155					62.1	.08	.033	6.97									
160					Sample Missing –												
165					62.4	.10	.031	6.66									
170					59.1	.05	.034	12.54									
175					58.6	.08	.019	11.41									
180	Probably fault gouge.				Sample Missing –												
185					Sample Missing –												
190	Cherty I.F.?				34.0	.11	.036	45.52									
195	and pulverent quartz.								39.6	.10	.104	34.27					
200					45.2	.08	.172	23.02									
205	Enriched I.F.				51.8	.16	.058	19.74	52.5	.12	.055	18.86	.11	.05	1.43	.016	3.81
210					53.2	.09	.051	17.98									
215					51.2	.19	.031	22.01									
220	Less enriched				25.3	.13	.016	57.99									
225	quartzose I.F.				28.0	.13	.018	56.74	36.4	.14	.020	43.99					
230					41.3	.10	.016	39.22									
235					52.4	.13	.018	20.93									
240	I.F. – and coarse quartz.				60.9	.14	.020	9.84	56.6	.21	.026	13.72	.10	.06	.52	.015	3.85
245					56.5	.35	.040	10.39									
250			A.X.		26.8	.16	.019	51.62									
255	Sandy enriched I.F.				43.6	.16	.036	29.62	38.5	.14	.029	36.96					
260					45.0	.10	.033	29.63									
264					Sample Missing –												

REMARKS

Missing samples probably mark fault intersection.

E-102

FORM 8C 11

H.N.S.F.Co.

DEPOSIT – ECLIPSE LAKE No.1 DISTRICT – Quebec HOLE NO. – E-103

LOCATION – 227,588.3 N – 83,615.5 W ELEVATION – 2793.8' DEPTH – 245'

DRILL TYPE – Sullivan STARTED – July 13, 1948 COMPLETED – July 25, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface	CORE	N.X.														
10					20.4	.32	.030	50.18									
15					44.5	.19	.025	25.24									
20					63.7	.11	.025	5.22									
25					67.5	.14	.019	1.69									
30					67.9	.11	.017	1.11									
35					68.4	.13	.017	.85									
40					67.4	.13	.017	1.73									
45					66.7	.10	.017	1.50									
50					66.8	.11	.016	1.72									
55					66.4	.05	.018	2.10									
60					67.4	.13	.023	1.76									
65					67.3	.16	.018	1.24									
70					67.2	.14	.019	1.17									
75					67.9	.11	.021	1.19									
80					67.2	.18	.027	1.71									
85					67.3	.10	.018	.98									
90					67.2	.16	.019	.90									
95					67.6	.14	.018	1.03									
100	Cindery blue hematite				67.2	.08	.018	1.93									
105					68.2	.10	.023	1.06									
110	with				67.8	.11	.017	.88	66.4	.19	.021	1.42	.12	.04	.42	.012	2.20
115					67.7	.16	.018	1.11									
120	minor quartz.				67.5	.10	.016	1.02									
125					68.4	.13	.019	.98									
130					68.0	.13	.014	.77									
135					67.9	.10	.015	1.06									
140					67.8	.08	.018	1.06									
145					66.3	.15	.016	.93									
150					66.9	.13	.016	.91									
155					68.0	.07	.018	.85									
160			B.X.		67.7	.08	.016	1.15									
165					66.8	.13	.016	1.14									
170					66.8	.10	.023	.99									
175					67.2	.18	.025	1.07									
180					63.3	.21	.027	1.92									
185					Missing Sample.												
190					61.7	.21	.029	1.90									
195					62.7	.16	.027	1.64									
200					64.0	.23	.024	1.22									
205					63.7	.24	.025	1.31									
210					64.8	.95	.020	1.20									
215					62.8	.44	.022	1.32									
220					62.7	.21	.025	1.27									
225					60.9	1.39	.048	3.54									
230	Brown goethite with				50.3	.52	.109	9.88	49.4	.44	.099	10.88	.11	.04	6.32	.029	6.76
235	chert and kaolin.				48.4	.37	.089	11.89									
240	Slickensided slate.				38.5	.10	.066	18.63	39.8	.14	.075	17.50					
245					41.0	.18	.083	16.37									

REMARKS

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – ECLIPSE LAKE No.1 DISTRICT – Quebec HOLE NO. – E-104

LOCATION – 226,933.4 N – 83,023.6 W ELEVATION – 2813.7' DEPTH – 145'

DRILL TYPE – Sullivan STARTED – July 27, 1948 COMPLETED – August 6, 1948 LOGGED – R. Goren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Limonite and goethite with some quartz and chert.		N.X.		52.1	.23	.008	20.21	53.4	.08	.015	15.71	.10	.06	.34	.012	6.97
10					54.8	.04	.016	12.85									
15					56.7	.04	.010	11.03									
20					54.6	.04	.014	12.97									
25					54.1	.06	.019	13.95									
30					48.6	.08	.017	23.08									
35					52.8	.10	.016	16.37									
40					52.8	.11	.018	16.21									
45					53.8	.05	.020	14.72									
50	Blue hematite and goethite with less chert and quartz.				57.0	.13	.028	9.97	59.8	.12	.023	6.00	.09	.06	.78	.015	6.61
55					59.4	.21	.015	7.65									
60					61.4	.07	.023	5.03									
65					60.3	.08	.021	5.11									
70					60.0	.10	.020	4.76									
75					60.2	.11	.024	4.55									
80					60.2	.15	.024	4.93									
85	Hard brown goethite and limonite with more quartz.				56.7	.16	.024	10.29	55.5	.20	.021	11.97	.10	.05	.59	.012	6.87
90					55.2	.10	.019	12.53									
95					56.6	.58	.020	9.69									
100					55.7	.26	.019	12.08									
105					53.7	.08	.017	15.38									
110					54.9	.08	.022	12.89									
115					56.0	.16	.028	10.92									
120	Lean buff colored I.F.				45.2	.09	.022	27.68	44.0	.10	.020	30.23					
125					45.6	.18	.019	27.42									
130					44.3	.08	.020	29.70									
135			B.X.		Sample Missing –												
140					40.8	.07	.020	36.11									
145					Sample Missing –												

REMARKS

Core 130-140'

E-104

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – ECLIPSE LAKE No.1 DISTRICT – Quebec HOLE NO. – E-105

LOCATION – 226,806.0 N – 83,266.3 W ELEVATION – 2713.4' DEPTH – 121'

DRILL TYPE – Sullivan STARTED – August 7, 1948 COMPLETED – August 13, 1948 LOGGED – R. Goren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Vuggy blue hematite with a little goethite and minor quartz.		N.X.		62.1	.15	.027	5.20									
10					67.5	.05	.027	1.24									
15					67.6	.05	.020	1.27									
20					68.0	.08	.024	.98									
25					67.5	.03	.022	1.45									
30					67.2	.11	.031	1.28									
35					67.6	.08	.024	1.22									
40					67.8	.13	.024	1.16									
45					65.3	.06	.029	1.35									
50					66.9	.07	.033	1.71	66.1	.10	.033	1.47					
56	Chiefly goethite, with some limonite and minor quartz.				67.1	.05	.031	1.83									
60					65.4	.08	.049	1.30									
65					64.5	.12	.047	2.51									
70					65.8	.18	.038	1.03									
75					65.2	.13	.038	.96									
80					64.4	.13	.031	1.03									
85					64.9	.13	.046	.97									
90					64.6	.15	.040	1.00									
95					66.5	.16	.027	.76									
100			B.X.		66.3	.11	.029	1.26									
105					66.8	.10	.035	1.35									
110					66.0	.05	.044	1.50									
115	Core.				65.0	.10	.099	1.82									
120					65.2	.16	.014	1.58	65.1	.13	.012	1.70					
121																	

REMARKS Core 116-121' – hard blue hematite and goethite.
Hole lost at 121' due to broken casing.

E-105

FORM 3C11

H.N.S.E.Co.

DEPOSIT – ECLIPSE LAKE No.1 DISTRICT – Quebec HOLE NO. – E-106

LOCATION – 226,816.7N – 83,269.7W ELEVATION – 2713.7' DEPTH – 236'

DRILL TYPE – Sullivan STARTED – August 14, 1948 COMPLETED – August 25, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss in Ignition
0-5			N.X.		64.3	.14	.013	2.82									
10					63.7	.12	.014	3.76									
15					67.4	.07	.016	1.16									
20					67.7	.12	.013	1.28									
25					67.5	.12	.016	1.60									
30					67.6	.12	.013	1.22									
35					66.8	.07	.011	2.61									
40					67.8	.07	.013	1.25									
45					67.5	.05	.014	1.66									
50					63.6	.07	.012	6.56									
55	Hematite and				67.0	.10	.013	2.24									
60					67.0	.12	.018	2.30									
65	vuggy brown goethite				64.7	.17	.241	2.26	66.0	.13	.020	2.09	.11	.06	.53	.011	2.40
70					65.6	.14	.032	1.66									
75	with minor quartz.				65.7	.17	.030	1.29									
80					66.4	.19	.021	.85									
85					65.1	.18	.020	1.15									
90					Sample Missing												
95					66.6	.15	.019	2.14									
100					65.9	.18	.021	2.81									
105					66.5	.17	.020	1.64									
110					66.4	.13	.021	1.90									
115					66.8	.16	.021	1.65									
120					Sample Missing												
125					64.1	.14	.032	2.37									
130					64.1	.19	.030	1.96									
135					64.1	.19	.036	2.14									
140					Sample Missing												
145	Probably				"	"	"										
150	fault gouge.		BX.		"	"	"										
155					"	"	"										
160					"	"	"										
165					59.5	.19	.055	3.56									
170					60.6	.19	.053	3.22									
175					60.9	.12	.032	4.23									
180					58.7	.14	.036	6.51									
185	Hard brown goethite				62.1	.24	.025	3.62									
190					61.5	.19	.032	3.79									
195	and limonite with				60.5	.12	.029	5.35	62.6	.16	.032	3.28	.08	.05	.59	.043	5.48
200					60.6	.14	.027	4.32									
205	some quartz and chert.				61.1	.14	.030	3.72									
210					66.3	.17	.029	1.40									
215			A.X.		67.0	.17	.022	1.02									
220					68.1	.17	.028	.91									
225					66.9	.10	.020	1.05									
230					Core not analysed												
235	Core – hard blue hematite.				"	"	"										
236					"	"	"										

REMARKS Small pieces of core recovered from 220-236'.
No samples 135 to 160' due to lost water.

E-106

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – ECLIPSE LAKE No.1 DISTRICT – Quebec HOLE NO. – E-107

LOCATION – 226,610.4 N – 83,481.8 E ELEVATION – 2618.8' DEPTH – 260'

DRILL TYPE – Sullivan STARTED – August 27, 1948 COMPLETED – Sep. 11, 1948 LOGGED – R. Goren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10					64.0	.16	.036	4.00									
15					58.8	.15	.040	9.27									
20					61.7	.26	.045	4.66									
25					65.0	.18	.029	2.90									
30					64.9	.13	.029	2.60									
35	Vuggy blue hematite				65.2	.14	.031	2.62									
40					64.8	.14	.020	2.49									
45	with some goethite and				64.9	.13	.031	2.14	63.9	.17	.027	4.53	.09	.05	.33	.010	2.55
50					65.9	.11	.020	1.91									
55	minor fine quartz.				65.6	.13	.024	1.90									
60					65.4	.16	.015	5.19									
65					66.2	.18	.018	3.94									
70					67.2	.15	.016	1.92									
75					65.6	.21	.022	3.37									
80					57.9	.31	.027	13.54									
85					58.7	.21	.031	10.02									
90					54.4	.29	.078	8.43									
95	More limonitic – with				53.4	.26	.075	8.71									
100	some chert and kaolin.				56.4	.32	.051	6.38	54.1	.31	.070	8.03	.08	.05	3.60	.020	9.29
105					52.2	.37	.078	8.59									
110	Hard goethite and limonite				50.8	6.05	.051	5.21									
115	with minor quartz.				50.9	7.25	.040	4.51	50.8	6.65	.046	4.86	.08	.05	2.09	.031	9.41
120	Fiberous goethite				57.8	1.86	.025	3.64									
125	with minor quartz.				57.8	1.46	.025	3.86	57.7	1.71	.024	3.68	.09	.06	.50	.017	9.83
130					57.6	1.80	.022	3.55									
135					56.8	2.18	.018	4.01									
140					53.5	6.85	.029	2.87									
145	Fiberous goethite				50.5	7.54	.020	4.62									
150	and some hematite		B.X.		52.1	5.75	.016	6.34	56.0	4.51	.024	3.82	.08	.05	.47	.024	7.84
155	with coarse quartz.				57.5	3.08	.040	3.23									
160					59.6	3.08	.027	3.36									
165					61.7	3.12	.017	2.30									
170	Vuggy blue hematite,				63.4	2.52	.011	2.12									
175	magnetite and goethite.				62.8	1.59	.011	3.01	62.8	2.22	.012	2.29	.10	.05	.76	.010	3.44
180					62.2	2.55	.014	1.75									
185					55.8	6.87	.014	1.99									
190					57.6	4.78	.016	2.27									
195					56.5	5.34	.016	2.56									
200					59.1	3.60	.014	3.47									
205					60.6	1.91	.014	2.46									
210	Chiefly blue hematite				58.5	3.36	.016	2.32									
215					51.9	10.20	.018	1.89									
220	with some				53.8	7.52	.006	2.61	54.0	7.07	.017	2.86	.09	.06	.99	.017	8.23
225					56.3	5.29	.008	2.59									
230	magnetite and pyrolusite				57.1	4.21	.019	2.44									
235					52.0	7.25	.014	3.84									
240					53.2	6.27	.019	2.81									
245					49.1	9.78	.023	4.37									
250					47.8	9.60	.023	4.49									
255					53.4	5.20	.019	5.04									
260					53.7	6.97	.019	3.68									

REMARKS

H.N.S.E.Co.

DEPOSIT – ECLIPSE LAKE No. 1 DISTRICT – Quebec HOLE NO. – E-108

LOCATION – 225,848.9 N – 83,356.4 W ELEVATION – 2619.6' DEPTH – 170'

DRILL TYPE – Sullivan STARTED – Sep. 11, 1948 COMPLETED – Sep. 20, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10	Vuggy brown goethite				45.4	4.44	.117	16.49									
15	and pyrolusite,				50.8	6.71	.028	5.13	49.3	5.86	.022	8.73	.10	.05	.87	.009	9.74
20	with some quartz.				48.8	7.50	.023	6.45									
25					52.2	4.78	.019	6.84									
30					55.3	1.27	.021	7.65									
35					48.3	.32	.016	20.49									
40					53.2	.42	.028	11.36									
45					55.8	.45	.020	7.06									
50	Fibrous goethite				52.6	.48	.030	12.71									
55					53.0	.42	.026	11.24									
60	with coarse				53.3	.37	.012	11.12	52.8	.43	.021	12.31	.09	.04	1.05	.012	9.77
65					50.8	.42	.014	14.55									
70	angular quartz.				50.6	.34	.026	15.77									
75					52.6	.26	.035	13.18									
80					53.7	.45	.014	10.98									
85					52.7	.34	.012	13.07									
90					54.2	.26	.019	11.95									
95					53.3	.24	.019	11.18									
100					47.6	.61	.021	22.40									
105					45.8	.24	.023	22.11									
110					46.9	.13	.037	21.72									
115					47.7	.16	.026	21.34									
120	More limonitic with				45.8	.34	.031	24.12									
125					44.7	.26	.038	22.76									
130	more quartz –		B.X		44.8	.29	.035	19.86	42.3	.29	.029	27.04					
135					39.3	.31	.042	22.93									
140	probably enriched I.F.				33.9	.32	.023	36.81									
145					22.9	.29	.017	59.52									
150					45.7	.26	.026	23.91									
155					Sample Missing												
160					15.7	.42	.014	70.31									
165	Possibly quartzite –				14.2	.45	.014	74.93	11.1	.44	.013	77.07					
170					3.4	.45	.011	85.98									

REMARKS

TWP 3956 (Block 3) — Hollinger North Shore Explorations

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No. 1 DISTRICT – Quebec HOLE NO. – F-106

LOCATION – 32,150.4 N – 70,624.3 E ELEVATION – 2560.9' DEPTH – 325'

DRILL TYPE – Sullivan STARTED – June 9, 1948 COMPLETED – June 18, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			N.X.		61.1	1.19	.060	6.91									
10					67.7	.57	.029	1.61									
15					68.6	.43	.021	.57									
20					68.0	.54	.026	1.95									
25	Vuggy red-blue hematite,				66.2	.65	.026	3.54									
30					56.1	.54	.024	14.76									
35	some goethite,				62.8	.51	.031	2.84	64.2	.61	.028	3.16	.04	.03	.22	.007	3.61
40					63.3	.46	.024	2.45									
45	little quartz.				66.8	.27	.026	1.37									
50					65.4	.49	.026	1.44									
55					65.1	.35	.027	2.98									
60					64.0	.62	.026	2.46									
65					61.7	.35	.026	1.83									
70					62.3	1.82	.024	1.07									
75					63.9	.32	.028	1.58									
80	Blue and steel grey				62.2	2.94	.033	1.39									
85	hematite with some				60.7	3.94	.028	4.85	62.1	3.33	.028	2.75	.04	.03	.13	.011	2.91
90	magnetite.				63.5	3.11	.024	2.01									
95					66.0	1.57	.024	1.86									
100					65.1	1.49	.029	3.31									
105					63.0	1.70	.031	2.66									
110					65.1	1.38	.040	2.16									
115					64.1	.62	.037	2.44									
120	Vuggy blue hematite				64.1	.92	.031	1.90									
125					63.1	1.92	.031	3.53									
130	with more goethite				60.0	2.60	.029	7.04	63.2	1.11	.029	4.80	.04	.03	.17	.011	2.81
135					60.4	2.14	.035	5.63									
140	and quartz.				65.6	.30	.022	4.48									
145					68.1	.27	.028	2.58									
150					66.0	.42	.024	3.47									
155					65.8	1.02	.026	2.96									
160					65.3	.54	.024	3.24									
165			B.X.		61.0	.21	.026	6.05									
170					49.3	.62	.030	23.47									
175					50.5	8.41	.069	9.70									
180					62.5	.62	.089	1.76									
185	Hard vuggy brown				61.1	1.98	.069	1.86									
190	goethite with				61.4	1.43	.069	3.90	57.3	3.93	.058	4.49	.03	.03	.17	.011	7.32
195	some pyrolusite.				56.7	3.54	.033	4.39									
200					56.0	4.29	.040	4.71									
205					53.0	7.22	.037	5.08									
210					61.4	.38	.028	5.67									
215					67.2	.24	.019	2.10									
220	Cindery blue hematite				67.0	.24	.022	2.38									
225	with some magnetite				64.6	.43	.020	4.74	64.0	.29	.033	3.62	.05	.04	.23	.011	3.65
230	and little quartz.				63.6	.29	.038	4.96									
235					62.5	.24	.049	2.45									
240					63.9	.35	.042	2.76									
245					62.2	.16	.049	3.94									
250	Brown goethite and				62.8	.21	.068	3.13									
255	limonite, little quartz				62.1	.46	.100	2.11	61.5	.50	.110	2.61	.04	.04	.37	.011	7.80
260					59.6	.84	.160	2.59									
265	Brown goethite with				54.2	5.49	.153	2.87									
270	some manganite, more				58.7	1.02	.165	3.03	55.9	3.28	.187	3.24	.04	.03	.83	.011	9.98
275	quartz and chert.				56.8	2.67	.199	2.64									
280					54.0	3.96	.230	4.90									
285					58.5	.35	.227	4.37									
290	Aphanitic red and blue		A.X.		57.8	.84	.247	4.91									
295	hematite with more				55.7	1.43	.263	6.17	55.5	.98	.225	9.00	.04	.03	1.53	.010	6.84
300	fine siliceous material.				54.0	.38	.244	12.82									
305					51.7	1.89	.147	16.71									
310					43.0	.24	.125	31.07									
315	Cherty I.F.				38.4	2.94	.109	32.54									
320	with some quartz.				31.0	12.30	.103	28.64	37.1	4.13	.113	31.57					
325					36.0	1.05	.116	34.04									

MINISTERE DES MINES, QUÉBEC
SERVICE DES GITES MINÉRAUX
No GM- H06-A

REMARKS Located on Cross section No 14

F-106

FORM 3C11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No. 1 DISTRICT – Quebec HOLE NO. – F-107

LOCATION – 32,470.8 N – 71,154.7 E ELEVATION – 2517.8' DEPTH – 325'

DRILL TYPE – Sullivan STARTED – June 4, 1948 COMPLETED – June 18, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0–5	Surface		N.X		33.1	1.02	.042	40.17									
10					49.5	1.55	.061	28.44									
15					55.1	.16	.076	11.52									
20	Fairly soft red hematite,				46.1	3.32	.062	20.03									
25	some pyrolusite				42.7	1.34	.078	18.86	45.5	2.67	.075	18.13	.04	.03	5.64	.009	6.15
30	and considerable quartz.				41.2	3.42	.080	19.43									
35					42.5	2.09	.081	20.81									
40					48.1	2.89	.083	12.12									
45					50.6	5.60	.254	7.42									
50					51.5	4.56	.195	9.24									
55	Fairly soft red hematite,				47.6	2.68	.106	18.26									
60					55.2	1.83	.099	9.89									
65	considerable fine chert				58.1	2.12	.096	6.68									
70					44.1	1.40	.173	21.46									
75					47.7	2.86	.186	17.47									
80					49.7	1.29	.193	15.74	50.4	3.72	.108	13.13	.05	.04	1.74	.011	7.14
85	and quartz, minor				50.7	1.34	.139	15.09									
90					41.2	13.64	.122	9.85									
95					50.0	5.68	.038	12.02									
100	amounts of pyrolusite.				58.9	1.98	.026	8.63									
105					55.4	2.55	.031	7.98									
110					50.4	2.36	.026	16.11									
115					45.1	4.30	.045	20.95									
120					50.4	4.02	.036	14.22									
125	Red and black				56.0	2.53	.018	6.52									
130	hematite with				56.1	.81	.035	11.45	55.8	1.48	.021	10.34	.06	.05	.32	.027	7.02
135	considerable fine quartz.				57.7	1.18	.011	8.17									
140					53.3	1.42	.019	15.21									
145					50.5	2.49	.022	19.05									
150					56.7	5.04	.031	19.33									
155	Goethite and limonite				49.5	2.57	.017	18.77									
160					44.3	4.80	.032	19.57	48.6	3.57	.029	20.16	.05	.04	.27	.016	5.80
165	with more fine quartz.		B.X		43.3	5.37	.036	23.78									
170					43.4	3.34	.036	26.40									
175					52.8	1.44	.023	14.43									
180					54.0	.44	.028	14.01									
185	Blue hematite and				56.5	.13	.024	12.81									
190	goethite				49.8	.13	.022	25.91	57.0	.62	.037	13.76	.03	.03	.13	.008	3.05
195	with less quartz.				55.3	.34	.030	19.23									
200					65.2	.29	.034	4.94									
205					61.0	2.41	.082	5.67									
210					58.4	5.90	.048	6.18									
215	Brown goethite and				61.5	3.22	.032	4.89									
220	blue hematite with				54.5	2.70	.035	16.33	57.1	3.52	.037	10.86	.04	.03	.17	.008	1.65
225	some pyrolysite.				57.3	2.62	.033	11.95									
230					54.0	3.15	.035	14.96									
235					62.7	2.57	.035	4.84									
240					57.6	1.50	.026	13.71									
245	Hard vuggy blue hematite				58.4	1.13	.024	13.57									
250					62.2	2.10	.032	5.57									
255	with some fine				62.8	2.23	.026	5.41	60.5	1.93	.029	8.98	.04	.03	.16	.008	1.18
260					58.1	1.18	.024	13.46									
265	impregnated quartz.				60.5	1.47	.026	9.87									
270					60.6	2.52	.028	8.18									
275					61.4	2.65	.039	6.20									
280					39.3	1.03	.013	40.13									
285					36.5	1.10	.013	42.53									
290	Quartzose I.F. with				59.0	.89	.021	13.91									
295					47.8	.65	.015	28.53									
300	hematite and magnetite		A.X.		35.8	.86	.015	43.82	45.8	.93	.016	30.31					
305					45.8	3.81	.019	23.15									
310	enrichment.				56.4	.21	.019	16.45									
315					49.4	.49	.017	25.97									
320					45.3	.11	.015	32.41									
325					42.9	.19	.017	36.70									

REMARKS

All core section #14

F-107

FORM 3C 11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No. 1 DISTRICT – Quebec HOLE NO. – F-108

LOCATION – 32,142.5 N – 71,533.2 E ELEVATION – 2515.9' DEPTH – 125'

DRILL TYPE – Sullivan STARTED – June 24, 1948 COMPLETED – June 30, 1948 LOGGED – R. Gibron

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		M.X.		34.3	.52	.067	38.50									
10					42.3	.10	.082	30.90									
15					49.1	1.46	.158	19.11									
20					45.8	.48	.129	27.35									
25					42.4	.21	.113	31.85									
30	Pointy slaty red				44.5	.13	.118	27.80									
35					43.2	.08	.051	32.30									
40	hematite with				38.2	.10	.089	39.48	38.6	.37	.076	36.84					
45					37.1	.11	.053	39.27									
50	much chert - I.F.				32.7	.08	.038	46.25									
55					33.0	.08	.033	46.20									
60					34.8	.16	.033	40.74									
65					35.3	.09	.044	45.15									
70					28.3	.11	.040	50.78									
75					33.5	2.05	.078	38.56									
80					27.7	3.64	.073	47.68									
85					38.8	1.17	.085	35.30									
90					36.6	1.36	.087	38.60									
95	Cherty I.F. enriched				38.4	1.86	.066	38.37									
100					36.2	1.78	.080	38.40	34.5	1.70	.105	41.14					
105	with brown goethite.				36.0	1.30	.162	38.46									
110					41.4	.56	.250	30.73									
115					37.6	.84	.172	34.81									
120					20.7	1.96	.056	63.41									
125					31.9	2.66	.064	45.67									

REMARKS

see cross section no 19

F-108

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No. 1 DISTRICT – Quebec HOLE NO. – F-109

LOCATION – 33,926.9 N – 70,963.8 E ELEVATION – 2556' DEPTH – 99'

DRILL TYPE – Sullivan STARTED – June 26, 1948 COMPLETED – July 2, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Soft brown goethite with some pyrolusite.		N.X		57.6	.61	.038	6.26									
10					58.5	1.57	.042	3.34	57.9	1.13	.041	4.90	.10	.08	.47	.011	10.40
15					57.7	1.22	.044	5.28									
20	Hard brown goethite with more pyrolusite.				55.2	2.75	.045	6.50									
25					55.0	3.76	.049	5.65	51.2	4.68	.043	9.59	.06	.05	.22	.012	8.90
30					45.1	8.05	.045	13.95									
35					49.6	4.18	.034	12.26									
40	Vuggy brown goethite with some limonite and less quartz.				52.2	.87	.029	15.43									
45					57.1	2.39	.038	7.75									
50					54.3	3.55	.041	9.78									
55					54.3	1.98	.029	9.94									
60					55.5	.87	.027	10.02	54.4	1.85	.032	11.10	.07	.05	.23	.013	7.87
65					55.7	2.65	.030	7.74									
70					57.8	2.44	.027	5.10									
75					53.1	.74	.031	14.03									
80					49.4	1.14	.029	20.11									
85	Sange with much fine quartz enriched I.F.				43.1	1.04	.053	29.89									
90					41.1	.64	.053	33.60	45.5	.88	.054	26.14					
95					53.0	.98	.065	14.02									
99					44.9	.87	.047	27.03									

REMARKS see cross section 201

F-109

FORM 35-11

H.N.S.F. Co.

DEPOSIT – FERRIMAN No. 1 | DISTRICT – Quebec | HOLE NO. – F-110

LOCATION – 32,548.0 N – 71,247.6 E | ELEVATION – 2528' | DEPTH – 257'

DRILL TYPE – Sullivan | STARTED – July 1, 1948 | COMPLETED – July 8, 1948 | LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		NX.														
10					59.6	.18	.082	5.97									
15	Limonitic coated brown				57.1	.42	.093	7.69									
20	goethite				58.1	.40	.082	5.02	57.6	.84	.091	5.68	.07	.06	.48	.010	9.39
25	with some quartz.				56.0	2.84	.094	4.35									
30					58.6	.66	.085	2.40									
35					56.5	.55	.111	8.67									
40	Soft, slaty red hematite				47.5	.55	.138	22.79									
45	with				56.0	.69	.171	11.24	52.8	.80	.114	14.95	.06	.05	1.09	.008	6.27
50	more fine quartz.				56.2	.55	.094	10.21									
55					51.6	1.43	.054	15.57									
60					47.8	1.80	.047	21.24									
65	Slaty, painty red hematite				41.5	.93	.051	31.05									
70	with				36.2	2.15	.047	38.16	41.5	1.47	.062	23.49					
75	some kaolin and chert I.F.				35.8	1.35	.068	36.42									
80					46.3	1.11	.098	15.58									
85	Painty red hematite.				47.3	4.46	.113	10.89	47.3	3.92	.106	13.58	.06	.04	4.03	.010	6.70
90					47.3	3.37	.098	16.28									
95					52.7	1.40	.096	12.27									
100	Painty soft red hematite				54.6	.45	.129	10.78									
105	with some kaolin				56.6	.55	.096	9.40	54.3	.76	.092	12.33	.05	.05	1.46	.010	6.28
110	and coarse quartz.				56.8	1.06	.084	9.14									
115					50.8	.32	.053	20.05									
120					43.5	.26	.073	28.66									
125	Hard red-blue hematite				46.4	.34	.071	24.96									
130	with more				34.6	.18	.060	39.38	41.8	.85	.100	28.89					
135	quartz and chert.		B.X		40.7	1.25	.082	30.48									
140					38.5	1.46	.100	34.57									
145					46.8	1.61	.216	15.28									
150					52.5	2.32	.096	12.40									
155					58.4	.21	.134	9.62									
160	Harder slately red hematite				58.7	.21	.107	7.30									
165	with				56.6	.42	.091	9.09	57.0	.70	.114	8.35	.06	.05	2.28	.009	6.28
170	less quartz and chert.				57.9	.53	.100	7.21									
175					59.3	.45	.126	6.22									
180					59.0	.64	.109	5.75									
185					58.5	.80	.146	9.23									
190					41.5	3.93	.096	20.12									
195					42.3	3.52	.094	25.89									
200					45.4	1.22	.046	24.66									
205					48.4	2.31	.113	18.35									
210					49.9	2.17	.102	16.77									
215	Quartzose I.F. enriched				Sample Missing												
220			A.X.		Sample Missing												
225	with goethite, hematite				53.6	1.67	.089	11.68	40.3	4.85	.084	25.27					
230					42.3	8.15	.118	17.17									
235	and some pyrolusite.				28.8	9.45	.104	36.73									
240					35.5	18.90	.107	11.20									
245					20.2	3.61	.067	48.57									
250					32.7	1.49	.036	36.41									
255					32.9	1.75	.040	35.67									
257					Sample Missing												

REMARKS

See cross section No 14

F-110

FORM DC 11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No.1 DISTRICT – Quebec HOLE NO. – F-111

LOCATION – 31,855. N – 71,029.6 E ELEVATION – 2539.2' DEPTH – 70'

DRILL TYPE – Sullivan STARTED – July 9, 1948 COMPLETED – July 13, 1948 LOGGED – R. Gerep

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10																	
15																	
20																	
25																	
30																	
35																	
40																	
45	I.F. Fairly well enriched.				13.4	2.60	.026	73.25									
50			B.X.		10.3	3.86	.032	74.56									
55					32.2	2.55	.030	43.27	29.8	2.22	.033	49.03					
60					36.1	2.18	.039	39.34									
65					37.7	1.24	.034	39.22									
70					48.6	.92	.036	24.99									

REMARKS see cross section no 19

F-111

FORM 3C 11

H.N.S.E Co.

DEPOSIT – FERRIMAN No. 1 DISTRICT – Quebec HOLE NO. – F-101 B

LOCATION – 32,288.0 N – 70,801.0 E ELEVATION – 2547.0' DEPTH – 255'

DRILL TYPE – 27 T STARTED – June 22, 1948 COMPLETED – June 28, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10					60.9	.29	.050	10.65									
15					59.3	.56	.026	12.95									
20					61.7	.23	.026	9.78									
25	Red stained blue				60.9	.29	.022	10.13									
30	hematite with				63.6	.29	.028	7.20									
35	considerable fine				64.3	.28	.030	6.51	61.0	.68	.027	10.34	.05	.05	.35	.011	.80
40					63.5	.32	.036	7.21									
45	quartz.				62.0	.68	.021	9.45									
50					61.4	1.29	.021	9.32									
55					56.9	1.43	.021	15.66									
60					56.4	1.82	.020	14.89									
65					48.9	4.20	.022	21.51									
70					51.1	4.06	.019	17.62									
75	Black and grey hematite				49.5	4.68	.023	17.50									
80	with some pyrolusite				48.7	4.44	.023	18.72	49.3	4.16	.024	18.62	.05	.04	.37	.009	3.98
85	and more quartz.				49.1	3.62	.028	19.14									
90					47.4	4.10	.024	19.78									
95			Open		50.4	9.02	.030	16.07									
100			Hole		56.6	1.27	.036	8.67									
105					60.6	.90	.035	6.13									
110					59.8	.92	.045	6.78									
115	Blue hematite				56.3	.68	.043	7.90									
120					58.7	.42	.043	5.60									
125	and magnetite				57.9	.42	.059	5.48	58.9	.69	.040	6.68	.05	.03	3.04	.018	4.82
130					57.2	1.37	.047	6.09									
135	with less quartz.				60.1	.58	.045	5.82									
140					59.0	.42	.034	7.64									
145					60.5	.29	.024	6.50									
150					61.2	.21	.024	6.84									
155	Same with more quartz.				54.7	.23	.024	15.82	53.4	.27	.016	17.28	.05	.05	.13	.014	5.47
160					52.1	.31	.008	18.70									
165	Same with more				39.8	1.10	.019	34.64	42.6	.97	.019	32.44					
170	very fine quartz.				45.3	.84	.019	30.25									
175	Cindery grey hematite				50.7	.46	.023	22.79									
180	with less quartz.				53.8	.45	.021	17.65	54.4	.38	.021	17.30	.04	.04	.11	.014	4.06
185					58.6	.23	.019	11.46									
190					61.2	.16	.024	7.96									
195					62.1	.13	.021	7.14									
200	Vuggy blue-red hematite				61.5	.21	.024	8.71									
205					61.0	.29	.019	7.57									
210	with some magnetite				62.1	.15	.023	7.87	61.5	.25	.021	8.73	.05	.04	.12	.014	2.69
215					61.6	.23	.021	8.56									
220	and quartz.				61.6	.23	.017	9.69									
225					59.7	.37	.022	12.52									
230					62.5	.49	.019	8.56									
235					60.6	.31	.017	11.32									
240	Same with more				59.6	.26	.021	12.01									
245	fine quartz.				54.7	.63	.024	17.32	56.4	.44	.021	15.59	.06	.05	.19	.011	2.70
250					52.4	.55	.019	20.08									
255					54.6	.45	.023	17.22									

REMARKS see cross section No 14

F-101 B

H.N.S.E.Co.

DEPOSIT – FERRIMAN No. 1 | DISTRICT – Quebec | HOLE NO. – F-102 BD

LOCATION – 32,342.9 N – 71,025.2 E | ELEVATION – 2522.3' | DEPTH – 275'

DRILL TYPE – 22T CD. | STARTED – June 9, 1948 | COMPLETED – June 25, 1948 | LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10					39.6	2.54	.062	27.86									
15					42.8	3.43	.064	23.23									
20	Soft painty red hematite				44.0	1.91	.065	18.73									
25					43.2	2.16	.069	20.42									
30	with considerable fine				42.5	2.19	.096	21.38	45.0	2.12	.100	20.39	.07	.04	4.23	.007	5.85
35					46.3	2.27	.089	18.30									
40	quartz and chert.				48.8	1.65	.134	16.40									
45					44.2	1.81	.065	23.82									
50	Enriched I.F.				51.2	1.62	.167	13.94									
55					47.4	1.67	.187	19.03									
60					50.5	2.00	.160	16.60									
65					50.0	.84	.214	16.51									
70	Harder red hematite				50.7	.95	.207	16.27									
75	with				51.5	1.81	.205	13.70	51.7	1.43	.136	16.49	.05	.04	1.79	.008	4.44
80	considerable fine quartz.				53.4	1.95	.113	14.95									
85					56.4	1.81	.064	12.52									
90					50.6	1.24	.065	20.65									
95					50.8	.81	.057	20.74									
100					42.8	.57	.042	33.77									
105					48.7	.46	.053	25.36									
110					45.8	.75	.06x	27.90									
115	I.F. – enriched with				45.6	.62	.055	27.87									
120					51.2	.46	.047	18.85									
125	limonite and				49.8	.59	.042	20.87	46.6	.81	.056	25.73					
130					53.2	.78	.065	15.61									
135	painty red hemanite.				48.8	1.02	.071	21.64									
140					43.4	1.73	.064	27.59									
145					43.1	.92	.056	29.14									
150			B.X.		40.5	1.00	.062	34.47									
155					12.5	.13	.034	60.93									
160					21.7	1.35	.045	45.17									
165					14.9	.57	.045	53.24									
170					11.3	.67	.034	66.31									
175					15.2	.67	.043	64.30									
180					20.5	1.81	.054	52.33									
185					26.5	1.10	.061	49.44									
190					20.4	.54	.032	60.97									
195					52.1	2.16	.078	11.64									
200					44.2	3.38	.076	20.84									
205					47.5	.32	.036	24.23									
210	Cherty I.F.				46.4	.38	.045	26.32	33.7	.87	.049	39.88					
215					49.6	.38	.052	22.45									
220					50.7	.75	.058	20.63									
225					48.2	1.08	.061	20.00									
230					17.3	.08	.047	66.76									
235					41.0	.27	.071	36.33									
240			A.X.		32.0	.54	.043	49.39									
245					49.4	.89	.011	23.00									
250					33.1	.57	.047	47.10									
255					Sample Missing												
260					"		"										
265					51.0	.62	.032	16.17									
270					Sample Missing												
275					"		"										

REMARKS

Deepened from 150' with D.D. See cross section No 14

F-102 BD

FORM DC 11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No. 1 DISTRICT – Quebec HOLE NO. – F-103 B

LOCATION – 31,884.5 N 71,072.1 E ELEVATION – 2530.6' DEPTH – 240'

DRILL TYPE – 22 T STARTED – June 7, 1948 COMPLETED – June 28, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25																	
30																	
35																	
40																	
45																	
50																	
55			Open		19.2	2.54	.028	62.00									
60			Hole		18.0	2.30	.021	62.95									
65					25.7	3.35	.013	52.34									
70					31.0	2.72	.008	46.09									
75					32.0	2.23	.013	44.12									
80					30.4	2.05	.012	47.07									
85					33.0	1.27	.008	44.90									
90					36.7	1.08	.004	40.75									
95					44.3	.51	.020	28.30									
100					47.1	.59	.020	23.58									
105					41.5	1.03	.003	32.94									
110					36.0	2.70	.009	38.40									
115					36.4	2.94	.042	36.19									
120					39.9	1.87	.026	33.84									
125					38.6	1.21	.022	35.77									
130	Quartzose I.F. with				32.3	1.39	.025	46.44									
135	some chert and kaolin				32.3	1.55	.029	45.21									
140					46.4	2.20	.034	24.47	34.0	2.20	.026	42.32					
145					42.4	2.82	.042	30.04									
150					49.6	2.33	.035	18.50									
155					49.0	3.08	.012	19.65									
160					45.7	1.88	.034	28.15									
165					36.9	1.53	.029	37.85									
170					34.4	2.28	.043	41.13									
175					28.2	4.36	.042	47.12									
180					27.5	4.48	.045	47.38									
185					23.4	3.48	.043	55.53									
190					17.4	2.96	.038	65.98									
195					23.2	2.55	.036	59.58									
200					21.2	2.98	.040	59.21									
205					27.1	2.12	.031	54.32									
210					22.9	1.69	.027	60.61									
215					25.5	1.80	.027	56.93									
220					35.8	1.88	.018	40.03									
225					38.5	1.85	.022	34.56									
230					40.3	2.20	.025	33.17									
235					41.5	1.88	.036	34.60									
240					38.9	1.93	.026	38.58									

REMARKS see cross section No 19

F-103 B

Form 8C 11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No. 1 DISTRICT – Quebec HOLE NO. – F-104 BD

LOCATION – 32,045.0 N-71,287.8 E ELEVATION – 2510.7' DEPTH – 209'

DRILL TYPE – 22T+Sull. STARTED – June 12, 1948 COMPLETED – June 23, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-10	Surface		N.X.		21.6	.43	.049	53.80									
10-15	Cherty I.F. enriched with hematite and goethite.				36.9	.05	.054	36.38									
15-20					41.8	.35	.032	30.93									
20-25					42.3	.67	.042	29.68									
25-30					40.8	2.08	.051	31.32									
30-35					37.4	1.27	.051	36.26	37.5	1.33	.061	35.93					
35-40					40.8	1.61	.062	29.94									
40-45					26.3	1.52	.058	54.34									
45-50					38.6	3.30	.165	32.40									
50-55					32.9	1.08	.154	43.13									
55-60	Very cherty lean I.F.				15.6	.62	.081	68.12									
60-65					12.0	.51	.056	70.48									
65-70					11.4	.43	.047	69.95									
70-75					9.3	.40	.041	74.31									
75-80					10.3	.08	.034	71.76									
80-85					7.5	.08	.030	74.51									
85-90					7.0	.27	.034	75.06									
90-95					11.6	.19	.041	67.60									
95-100					6.5	.16	.035	75.94									
100-105					11.2	.11	.042	65.20									
105-110					13.6	.11	.041	64.83									
110-115					19.5	.08	.039	62.83									
115-120					18.7	.13	.039	66.32									
120-125					16.5	.43	.028	69.83	20.3	[illegible]	[illegible]	58.47					
125-130					20.4	1.78	.060	61.44									
130-135					15.2	3.75	.0[illegible]	65.51									
135-140					15.5	4.05	.056	65.80									
140-145					14.6	3.40	.058	66.61									
145-150					15.5	1.67	.046	67.90									
150-155					26.4	1.61	.062	50.16									
155-160					23.9	1.00	.039	56.61									
160-165					30.7	.70	.046	44.91									
165-170					33.4	1.81	.055	36.65									
170-175					36.6	2.30	.062	32.26									
175-180					38.4	1.56	.062	31.98									
180-185					34.8	1.78	.056	37.36									
185-190					38.3	1.41	.048	32.86									
190-195			B.X.		33.4	3.72	.049	36.98									
195-200					35.9	4.14	.044	34.46									
200-205					24.5	1.84	.030	54.05									
205-209					Sample Missing												

REMARKS

Deepened from 195' with D.D. see cross section No 19

F-104 BD

FORM 80-1

H.N.S.E.Co.

DEPOSIT – FERRIMAN No. 1 DISTRICT – Quebec HOLE NO. – F-105 B

LOCATION – 32,615.4 N – 71,346.5 E ELEVATION – 2535' DEPTH – 165'

DRILL TYPE – 27 T STARTED – June 16, 1948 COMPLETED – June 19, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"		43.1	.32	.022	31.00									
10					52.6	.54	.029	19.14									
15	Hard brown hematite		Open		58.1	.13	.022	13.26									
20	with much magnetite		Hole		59.7	.13	.024	11.70	57.4	.29	.028	13.27	.06	.06	.54	.012	3.41
25	and some fine quartz.				59.0	.35	.027	11.45									
30					58.4	.22	.024	11.65									
35					56.6	.37	.043	12.44									
40	Same with more				54.6	.91	.067	12.49									
45	quartz and some chert.				53.2	1.72	.070	13.66	51.6	1.44	.068	16.63	.07	.06	1.37	.008	5.60
50					47.0	1.69	.067	23.79									
55					43.8	7.87	.065	17.24									
60	Black hematite with some				43.8	5.04	.112	21.37									
65					49.3	2.06	.058	16.69									
70	pyrolusite and				50.6	.84	.133	14.62	48.5	4.18	.094	15.26	.06	.06	1.04	.018	7.20
75					54.1	1.43	.115	10.88									
80	considerable fine quartz.				49.5	8.60	.087	7.31									
85					48.6	4.84	.108	15.38									
90					48.6	2.78	.072	18.61									
95					46.9	1.13	.051	24.38									
100					45.6	1.22	.045	26.10									
105					36.8	1.11	.045	39.34									
110					42.9	2.72	.060	27.38									
115					30.3	1.51	.045	46.62									
120	Fairly red hematite				33.7	1.27	.056	40.78									
125					30.8	.90	.051	46.68									
130	with some pyrolusite				29.7	.66	.052	47.17	37.4	1.14	.060	37.57					
135					33.6	1.06	.072	51.29									
140	and considerable chert.				40.2	1.22	.083	31.95									
145					39.8	1.22	.087	31.56									
150					39.2	.98	.081	34.82									
155					39.4	.61	.047	35.29									
160					34.9	.34	.060	42.68									
165					Sample Missing												

REMARKS

see cross section No 14

F-105 B

H.N.S.E.Co.

DEPOSIT – FERRIMAN No. 1 DISTRICT – Quebec HOLE NO. – F-106 B

LOCATION – 31,768.6 N – 70,876.7 E ELEVATION – 2549.2' DEPTH – 270'

DRILL TYPE – 22 T STARTED – June 16, 1948 COMPLETED – July 22, 1918 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25																	
30																	
35																	
40																	
45																	
50																	
55					55.1	.24	.043	13.62									
60			Open		63.2	.19	.029	5.86									
65	Black hematite		Hole		66.0	.08	.022	3.99									
70					67.8	.08	.016	1.76	64.7	.17	.029	4.23	.09	.08	.27	.011	2.26
72	with little quartz.				68.3	.13	.024	1.14									
80					66.6	.27	.038	1.66									
85					65.6	.19	.029	1.59									
90					65.0	.08	.022	1.45									
95	Mostly brown hematite				64.2	.10	.057	1.29									
100	with some limonite.				62.5	.19	.067	2.64	62.9	.13	.071	1.92	.05	.04	.71	.020	6.78
105					62.0	.14	.069	2.31									
110					60.6	.13	.112	1.92									
115					55.5	5.50	.103	2.33									
120	Hard brown goethite				54.7	6.24	.101	2.36									
125					56.8	3.76	.113	2.06	55.8	4.49	.115	2.50	.07	.06	.65	.022	9.53
130	with some pyrolusite.				56.0	4.02	.132	2.37									
135					55.5	3.60	.124	3.52									
140					56.2	3.80	.117	2.36									
145					59.6	1.05	.126	2.81									
150					60.3	.35	.123	2.22									
155					60.4	.35	.122	2.17									
160	Hard brown goethite				59.5	.67	.142	2.95									
165					59.2	1.53	.137	3.60									
170	and red hematite				60.5	.94	.133	3.71	59.5	.78	.121	3.88	.06	.06	1.20	.019	7.57
175					61.7	.40	.103	3.86									
180	with a little quartz.				58.5	.78	.115	4.67									
185					59.3	.64	.114	4.35									
190					58.3	1.07	.117	5.00									
195					57.1	.80	.103	7.29									
200					52.0	.43	.105	10.59									
205	Fairly soft red hematite				51.7	.40	.094	12.53									
210	with quartz and chert.				49.2	.32	.117	15.30	50.1	.85	.108	14.02	.07	.06	5.82	.020	6.11
215					50.0	1.67	.114	12.76									
220					47.6	1.45	.110	18.94									
225					40.6	.88	.117	32.54									
230					29.4	8.60	.081	36.29									
235	Mostly goethite				38.7	4.44	.115	29.57									
240					45.4	2.60	.115	21.96									
245	with considerable				43.2	3.06	.128	22.50	43.3	3.24	.114	24.39					
250					43.4	4.10	.110	21.26									
255	fine quartz and chert.				46.8	3.08	.097	20.45									
260					52.7	1.37	.140	14.39									
265					47.0	2.30	.119	20.33									
270					45.4	2.01	.114	24.58									

REMARKS

See Cross Section No 19

0-60 known as F-106 C.

F-106 B

H.N.S.E.Co.

DEPOSIT – FERRIMAN No.1 DISTRICT – Quebec HOLE NO. – F-107B

LOCATION – 32,731.2 N – 71,524.7 E ELEVATION – 2526' DEPTH – 265'

DRILL TYPE – 27 T STARTED – June 19, 1948 COMPLETED – June 26, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10					51.9	.16	.072	15.55									
15	Limonite and goethite				52.6	.11	.069	16.01									
20	with considerable quartz.				53.1	.16	.070	14.60	52.6	.13	.062	15.63	.05	.06	.93	.021	7.71
25					52.7	.08	.036	16.36									
30			Open		42.6	.16	.024	32.30									
35			Hole		42.9	.08	.021	33.13									
40					40.9	.11	.024	36.49									
45					43.3	.16	.024	33.41									
50					43.5	.13	.024	34.38									
55					44.8	.03	.028	34.57									
60					47.7	.05	.019	30.58									
65					52.4	.11	.021	23.29									
70					51.1	.08	.028	25.69									
75					52.4	.11	.026	23.59									
80					48.0	.13	.026	29.28									
85					45.2	.11	.019	32.19									
90					44.2	.35	.031	32.70									
95					44.0	.13	.038	33.38									
100					49.9	.05	.033	26.10									
105					42.9	.13	.029	34.18									
110					39.5	.13	.033	38.91									
115					45.6	.19	.028	30.39									
120					40.7	.11	.024	37.22									
125	Cherty and quartzose I.F.				37.0	.27	.022	41.98									
130					42.5	1.89	.035	30.83									
135	with some enrichment				44.6	2.84	.044	25.75	42.0	.55	.049	33.52					
140					45.8	3.16	.066	21.53									
145	in upper part.				48.2	1.94	.066	18.93									
150					46.8	1.84	.066	21.91									
155					56.8	1.05	.075	21.72									
160					47.0	1.35	.075	21.78									
165					41.0	.57	.092	31.13									
170					43.6	.81	.080	28.26									
175					38.8	.24	.055	36.22									
180					36.0	.19	.064	40.78									
185					32.6	.21	.060	47.73									
190					34.5	.16	.053	44.62									
195					34.0	.16	.040	43.22									
200					34.4	.41	.056	43.16									
205					26.9	.37	.024	58.91									
210					29.5	.34	.026	49.86									
215					31.9	1.58	.024	43.43									
220					32.6	.32	.030	42.86									
225					29.4	.18	.076	50.14									
230					43.2	.92	.069	28.67									
235					46.3	.31	.118	24.26									
240					46.5	.55	.104	24.37									
245					42.1	.29	.115	30.59									
250					41.7	.66	.098	31.32									
255					41.8	.66	.096	31.92									
260					37.3	.32	.085	37.71									
265					Sample Missing												

REMARKS

All cross section no 14

F-107B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No. 1 DISTRICT – Quebec HOLE NO. – F-108 B

LOCATION – 32,834.6 N – 71,681.7 E ELEVATION – 2520.8' DEPTH – 172'

DRILL TYPE – 27 T STARTED – June 26, 1948 COMPLETED – June 30, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15					29.1	.26	.040	46.26									
20	Quartzose I.F. enriched		Open		43.4	.15	.042	27.02	40.2	.19	.041	31.02					
25	with goethite.		Hole		43.4	.16	.041	26.43									
30					45.1	.18	.042	24.21									
35	Goethite and limonite				51.5	.16	.044	15.29	51.4	.14	.045	15.64	.04	.05	.44	.008	8.78
40	with considerable fine quartz				51.4	.13	.046	15.99									
45					56.1	.21	.052	8.63									
50					56.1	.08	.054	9.19									
55					55.5	.15	.052	9.86									
60	Vuggy brown goethite				56.2	.13	.056	8.48									
65					55.8	.13	.059	9.78									
70	with fine				56.0	.14	.061	8.71	55.8	.14	.057	10.50	.05	.05	.38	.008	8.52
75					55.4	.21	.065	11.14									
80	impregnated quartz				55.2	.26	.060	12.39									
85					55.9	.05	.052	13.43									
90					55.9	.08	.054	12.18									
95					55.9	.08	.059	11.76									
100					53.9	.13	.048	15.22									
105	Limonite and goethite				52.3	.07	.043	17.69	52.5	.12	.044	17.14	.06	.05	.29	.010	7.29
110	with more fine quartz				52.0	.13	.048	17.30									
115					51.9	.13	.037	18.33									
120					48.4	.11	.033	25.43									
125					47.5	.11	.027	27.50									
130	Steel grey hemanite				47.2	.11	.025	28.31									
135					45.6	.11	.027	30.88									
140					46.2	.11	.033	29.72									
145	and limonite with more				45.6	.11	.027	31.44	46.2	.12	.026	30.21					
150					46.4	.11	.027	29.98									
155	fine quartz – enriched I.F.				45.8	.16	.020	31.56									
160					46.5	.16	.022	30.35									
165					45.4	.13	.020	33.13									
170					44.0	.11	.024	34.03									
172					Missing Sample.												

REMARKS

See cross section No 14

F-108 B

H.N.S.F.Co.

DEPOSIT – FERRIMAN No. 1 DISTRICT – Quebec HOLE NO. – 109 BD

LOCATION – 31,281.5 N – 71,301.3 E ELEVATION – 2552.5' DEPTH – 98'

DRILL TYPE – 27 T STARTED – June 29, 1948 COMPLETED – July 7, 1948 LOGGED – R. Goren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on ignition
0-5			N.X.														
10																	
15																	
20	Surface																
25																	
30																	
35																	
40					35.5	1.11	.047	36.82									
45	Purple hematite with				54.4	3.43	.047	7.76									
50	gouge, quartz and chert.				46.1	3.75	.055	15.25	49.6	3.28	.051	13.68	.07	.05	3.53	.012	6.61
55					48.3	2.67	.050	18.02									
60					43.7	2.04	.055	26.24									
65					39.3	1.46	.049	31.36									
70	Slaty red hematite				45.4	1.53	.070	21.35									
75					31.3	1.37	.075	45.36									
80	with chert quartz and				41.7	2.27	.070	29.92	43.2	2.24	.074	26.14					
85					45.0	3.64	.087	22.35									
90	some pyrolusite I.F.				50.0	1.97	.094	16.58									
95					48.8	3.60	.090	15.97									
98					Sample Missing												

REMARKS

Deepened from 40' with D.D. See cross section No 25

F-109 BD

H.N.S.E.Co.

DEPOSIT – FERRIMAN No. 1 DISTRICT – Quebec HOLE NO. – F-110 B

LOCATION – 32,685.7 N – 70,513 E ELEVATION – 2588.2' DEPTH – 78'

DRILL TYPE – 22 T STARTED – June 29, 1948 COMPLETED – June 30, 1948 LOGGED – R. Gerer

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"		62.3	.79	.042	2.84					.05	.06	.24	.018	5.88
10					Sample Missing												
15	Brown hematite with magnetite and martite.				60.8	3.20	.047	1.83									
20					60.3	2.94	.041	2.61	59.4	3.62	.048	2.80	.06	.05	.31	.020	5.66
25					57.9	4.84	.049	3.06									
30					58.6	3.52	.056	3.90									
35			Open		60.5	2.00	.038	5.91									
40	Vuggy blue hematite with more magnetite and quartz.		Hole		62.7	.66	.032	5.76									
45					62.6	.58	.028	5.57	61.1	.78	.032	7.02	.06	.04	.14	.011	3.86
50					60.5	.36	.032	8.23									
55					59.0	.29	.032	9.63									
60					50.4	.26	.062	23.27									
65	I.F. – well enriched with blue hematite.				51.4	.31	.043	20.09									
70					42.3	.87	.043	31.66	44.2	.46	.046	31.39					
75					40.3	.58	.047	36.24									
78					36.5	.29	.038	40.68									

REMARKS

see cross section No 9

F-110 B

FORM 3C11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No.1 DISTRICT – Quebec HOLE NO. – F-111B

LOCATION – 33,244 N – 71,406.6 E ELEVATION – 2544.8' DEPTH – 150'

DRILL TYPE – 27 T STARTED – June 30, 1948 COMPLETED – July 2, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			6"		51.0	.82	.058	15.80									
10					53.5	.66	.047	11.47									
15	Vuggy red-blue hematite				55.3	.37	.041	9.43									
20	with considerable fine				56.0	.26	.038	8.30	52.8	.48	.049	13.32	.06	.03	.40	.012	9.09
25	impregnated quartz.				53.1	.52	.047	12.48									
30					50.9	.29	.060	17.02									
35					49.5	.45	.049	18.74									
40			Open		48.1	.59	.043	21.01									
45			Hole		46.2	.69	.041	23.25									
50					48.3	.80	.037	21.07									
55					43.4	1.01	.026	28.69									
60					50.5	.93	.028	17.09									
65					48.0	1.42	.023	19.83									
70					49.3	.93	.016	19.69									
75					50.3	1.01	.016	18.27									
80	Quartzose I.F.				44.6	.53	.014	28.52									
85					44.9	.61	.017	27.78									
90	well enriched				47.3	.37	.015	25.18	44.2	.50	.021	28.97					
95					46.0	.45	.011	25.87									
100	with brown goethite				47.5	.40	.017	24.38									
105					41.0	.21	.013	24.64									
110					37.8	.16	.026	40.77									
115					39.7	.18	.023	37.12									
120					44.5	.15	.011	30.79									
125					44.6	.19	.019	30.84									
130					43.1	.16	.020	34.26									
135					36.4	.08	.015	43.93									
140					37.1	.21	.018	42.33									
145					38.2	.22	.028	42.29									
150					40.2	.24	.022	38.64									

REMARKS

See cross section No 9

F-111B

FORM AC 11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No.1 DISTRICT – Quebec HOLE NO. – F-112 B

LOCATION – 32,500.2 N – 70,238.6 E ELEVATION – 2591.2 DEPTH – 88'

DRILL TYPE – 22 T STARTED – July 1, 1948 COMPLETED – July 22, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"		44.5	.21	.043	28.13									
5-10					47.3	.35	.071	26.05									
15	I.F. – well enriched with red hematite and magnetite.		Open		45.6	.16	.038	31.66									
20			Hole		42.3	.05	.033	36.53	45.0	.17	.043	31.10					
25					44.0	.12	.042	33.55									
30					46.4	.12	.034	30.65									
35	Refractory brown goethite with considerable quartz.				51.8	.13	.051	23.39									
40					51.8	.32	.067	18.93									
45					52.0	.86	.111	14.67	52.2	.58	.086	17.12	.05	.03	.58	.011	6.30
50					54.4	1.12	.103	10.96									
55					51.0	.48	.099	17.63									
60	Cherty I.F. enriched with hematite.				44.9	1.04	.098	24.44									
65					43.5	1.28	.101	24.59									
70					42.5	.82	.123	29.85									
75					39.2	.59	.080	33.18	40.3	.87	.083	32.34					
80					36.6	.48	.063	37.57									
85					43.2	.67	.060	30.16									
88					32.0	1.20	.053	46.58									

REMARKS see cross section no 9

F-112 B

FORM DC 11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No. 1 DISTRICT – Quebec HOLE NO. – F-113 B

LOCATION – 30,855.8 N – 71,766.3 E ELEVATION – 2535.0' DEPTH – 245'

DRILL TYPE – 27 T STARTED – July 2, 1948 COMPLETED – July 5, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25																	
30	Well enriched I.F. with considerable magnetite.				41.1	.26	.036	33.34									
35			Open		49.1	.10	.027	25.00									
40			Hole		52.5	.10	.032	20.44									
45					50.4	.11	.030	23.50									
50					47.0	.08	.032	28.69									
55					45.6	.10	.028	31.86									
60					46.2	.08	.036	30.24									
65					45.8	.05	.027	30.59									
70					45.1	.06	.051	30.77									
75					42.5	.08	.047	33.50	47.2	.12	.063	26.29					
80					43.5	.05	.062	31.65									
85					45.1	.08	.071	28.29									
90					49.6	.16	.097	19.66									
95					50.3	.13	.110	18.31									
100					49.3	.14	.112	21.47									
105					46.5	.10	.103	24.33									
110					48.5	.10	.110	23.16									
115					50.3	.40	.092	20.58									
120					47.8	.13	.095	24.15									
125	Lean, slaty I.F. – with more chert and some hematite.				46.6	.13	.092	27.00									
130					46.4	.10	.086	27.40									
135					41.7	.10	.095	34.61									
140					44.3	.06	.077	30.90									
145					38.8	.08	.060	39.37									
150					41.2	.10	.055	34.52									
155					37.9	.08	.049	40.46									
160					37.1	.08	.034	41.43									
165					39.0	.10	.038	37.74									
170					34.1	.10	.034	46.23									
175					37.9	.06	.034	39.67									
180					31.7	.08	.040	48.63	35.7	.08	.046	41.47					
185					29.0	.08	.032	50.85									
190					33.0	.06	.034	46.75									
195					27.7	.06	.027	54.32									
200					36.4	.06	.030	41.08									
205					31.0	.08	.032	49.20									
210					32.8	.08	.036	44.00									
215					31.6	.10	.036	46.51									
220					34.1	.06	.042	36.94									
225					34.0	.08	.038	41.18									
230					30.9	.05	.032	47.07									
235					31.9	.06	.032	44.84									
240					32.7	.06	.040	41.19									
245					29.8	.08	.040	48.83									

REMARKS

F-113 B

FORM 0611

H.N.S.E.Co.

DEPOSIT – FERRIMAN No. 1 DISTRICT – Quebec HOLE NO. – F-114 B

LOCATION – 32,966.6 N – 70,992.3 E ELEVATION – 2551.3' DEPTH – 152'

DRILL TYPE – 27 T STARTED – July 2, 1948 COMPLETED – July 5, 1948 LOGGED – R. Geron

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20	I.F. – well enriched with refractory brown goethite.		Open		45.6	1.91	.088	22.38									
25			Hole		45.2	1.02	.086	24.40									
30					50.4	.83	.099	18.94	48.8	1.17	.096	20.16	.07	.04	1.43	.010	5.43
35					51.0	.94	.095	17.76									
40					50.6	1.07	.104	18.63									
45					50.1	1.25	.101	18.87									
50	Fairly red hematite with fine quartz and some kaolin – I.F.				47.4	.64	.097	24.32									
55					43.8	1.63	.081	27.37									
60					42.2	1.23	.083	30.72									
65					46.0	.91	.077	22.43									
70					43.9	.91	.073	26.76									
75					45.6	.86	.075	21.94									
80					44.1	1.88	.075	22.69									
85					45.1	1.60	.077	22.59									
90					44.6	.72	.086	21.50									
95					49.0	.40	.100	17.19	42.6	.75	.089	29.25					
100					48.1	.72	.079	19.45									
105					45.9	.61	.062	24.46									
110					40.6	.53	.055	33.40									
115					37.9	.53	.059	38.66									
120					37.1	.37	.053	40.05									
125					36.4	.37	.059	41.38									
130					42.3	.51	.084	31.10									
135					40.5	.32	.166	34.76									
140					37.9	.32	.157	38.08									
145					41.9	.34	.163	33.08									
150					35.0	.29	.115	42.36									
152					Missing Sample												

REMARKS

see cross section No 9

F-114B

Form 8C11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No.1 DISTRICT – Quebec HOLE NO. – F-115 B

LOCATION – 32,737.9 N – 70,710.5 E ELEVATION – 2564.3' DEPTH – 190'

DRILL TYPE – 27 T STARTED – July 5, 1948 COMPLETED – July 6, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			6"		62.1	.85	.036	1.94									
10					62.4	.93	.043	2.38									
15			Open		61.8	.53	.037	3.40									
20			Hole		59.2	.30	.047	7.47									
25					60.8	.30	.037	5.00									
30					59.5	1.76	.039	4.07									
35					61.2	.91	.032	2.99									
40					60.0	.93	.052	5.19									
45					57.8	.40	.051	7.59									
50					57.2	.24	.054	8.35									
55					61.3	.21	.039	6.57									
60	Blue hematite and magnetite				61.3	.16	.041	6.58									
65					62.5	.32	.037	5.43									
70	with				62.8	.37	.038	5.42	61.4	.63	.038	6.03	.06	.03	1.05	.012	3.61
75					64.8	.77	.036	3.37									
80	- some fine quartz.				64.6	.88	.028	2.73									
85					64.2	1.12	.030	2.47									
90					63.9	1.20	.032	2.75									
95					63.9	1.20	.040	4.46									
100					64.3	.53	.030	3.38									
105					60.2	.88	.043	9.51									
110					59.7	1.02	.030	9.52									
115					61.3	.53	.032	7.76									
120					61.2	.40	.034	8.78									
125					63.0	.30	.040	6.75									
130					59.6	.21	.036	11.81									
135					59.4	.24	.031	11.54									
140					58.8	.24	.033	11.73									
145					55.3	.37	.040	17.37									
150	Brown hematite and magnetite with more quartz.				55.3	.21	.040	16.55									
155					54.1	.21	.049	18.06	53.6	.28	.044	18.84	.06	.03	.38	.011	3.08
160					53.5	.24	.045	19.12									
165					50.0	.37	.047	23.10									
170					46.0	.13	.040	30.27									
175	I.F. - well enriched with hematite and magnetite.				43.2	.32	.043	33.89									
180					41.9	.21	.033	35.10	43.8	.32	.037	32.29					
185					45	.37	.033	28.01									
[illegible]					[illegible]												

REMARKS see cross section No 9

F-115B

FORM 8C11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No. 1 | DISTRICT – Quebec | HOLE NO. – F-116B

LOCATION – 30,920.4 N-71,901.4E | ELEVATION – 2526.4' | DEPTH – 165'

DRILL TYPE – 27 T | STARTED – July 5, 1948 | COMPLETED – July 8, 1948 | LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5		Gravel	6"														
10																	
15																	
20	Surface																
25																	
30																	
35																	
40																	
45					49.7	.10	.026	26.58									
50			Open		51.2	.16	.028	26.20									
55			Hole		53.1	.11	.021	22.62									
60					47.2	.08	.028	31.45									
65					49.0	.10	.024	28.32									
70					50.2	.11	.026	26.60									
75					51.5	.21	.024	24.60									
80					50.7	.26	.023	25.69									
85					46.0	.13	.016	32.83									
90	Hard red and blue hematite				41.9	.10	.013	37.61									
95					38.9	.13	.017	41.14									
100	with much fine quartz				42.4	.10	.023	37.65									
105	and some magnetite.				39.1	.26	.030	41.53	40.7	.91	.029	38.09					
110					36.5	.40	.023	49.61									
115	Enriched I.F.				36.3	.31	.023	45.1[illegible]									
120					36.5	2.05	.034	41.41									
125					39.0	.58	.026	41.44									
130					45.0	1.00	.028	32.70									
135					39.1	1.05	.028	40.66									
140					34.3	1.74	.027	46.14									
145					32.2	2.63	.038	47.98									
150					32.0	1.53	.039	49.96									
155					31.0	1.92	.038	50.51									
160					33.0	2.98	.053	46.57									
165					31.6	5.42	.055	43.49									

REMARKS

F-116B

FORM BC 11

H.N.S.E.Co.

DEPOSIT - FERRIMAN No. 1 DISTRICT - Quebec HOLE NO. - F-117 B

LOCATION - 31,027.4N - 72,064.3 E ELEVATION - 2521.' DEPTH - 100'

DRILL TYPE - 27 T STARTED - July 7, 1948 COMPLETED - July 9, 1948 LOGGED - R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface ?		6"														
10																	
15																	
20																	
25																	
30																	
35	Cherty quartzite ?		Open Hole														
40																	
45																	
50																	
55																	
60																	
65																	
70																	
75																	
80																	
85																	
90																	
95																	
100																	

REMARKS

No analyses.

F-117B

FORM 8C-11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No.1 DISTRICT – Quebec HOLE NO. – F-118 B

LOCATION – 31,102.5N-72,207.6E ELEVATION – 2519.5' DEPTH – 100'

DRILL TYPE – 27 T STARTED – July 8, 1948 COMPLETED – July 10, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE Wt	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on ignition
0-5	Surface		6"														
10																	
15																	
20																	
25																	
30																	
35																	
40																	
45	Sheared cherty quartzite ?		Open Hole														
50																	
55																	
60																	
65																	
70																	
75																	
80																	
85																	
90																	
95																	
100																	

REMARKS

No analyses.

F-118 B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No.1 DISTRICT – Quebec HOLE NO. – F-119B

LOCATION – 31,359.2 N – 72,579.8 E. ELEVATION – 2542.5' DEPTH – 115'

DRILL TYPE – 27 T STARTED – July 8, 1948 COMPLETED – July 10, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10	Magnetite and hematite with opaque quartz.				52.7	.26	.034	17.64	52.6	.19	.040	17.72	.10	.04	1.19	.017	3.70
15					52.6	.13	.045	17.80									
20					58.1	.29	.039	9.90									
25			Open		58.9	.2[illegible]	.036	7.72									
30			Hole		60.4	.13	.032	6.05									
35					61.9	.19	.036	5.00									
40					64.2	.13	.024	3.14									
45	Blue hematite				65.7	.13	.023	2.44									
50					64.8	.11	.032	2.09	63.2	.13	.032	5.03	.07	.04	.20	.013	3.47
55	with minor quartz.				65.2	.13	.041	1.56									
60					66.0	.07	.034	1.82									
65					66.3	.08	.034	2.64									
70					66.3	.07	.032	2.91									
75					65.1	.07	.030	4.87									
80					61.3	.10	.034	9.92									
85					61.2	.10	.028	10.30									
90	Same with more quartz				54.2	.08	.026	20.69	54.2	.08	.026	20.69	.05	.03	.19	.008	1.53
95					47.3	.11	.026	29.57									
100	Cherty I.F. well enriched				46.7	.05	.030	31.18									
105	with blue hematite.				44.9	.05	.024	33.11	45.4	.08	.027	32.53					
110					42.7	.10	.028	35.45									
115					Sample Missing –												

REMARKS

F-119B

FORM 3C 11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No. 1 DISTRICT – Quebec HOLE NO. – F-120B

LOCATION – 31,768.7N – 72,364.8E ELEVATION – 2543.3' DEPTH – 33'

DRILL TYPE – 27 T STARTED – July 10, 1948 COMPLETED – July 12, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15			Open Hole														
20	I.F. – enriched with magnetite –																
25																	
30																	
33																	

REMARKS

No analyses.

F-120B

FORM 2C 11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No.1 DISTRICT – Quebec HOLE NO. – F-121 BD

LOCATION – 30,909.1 N – 72,942.9 E ELEVATION – 2515.8' DEPTH – 53'

DRILL TYPE – 27 T STARTED – July 11, 1948 COMPLETED – July 13, 1948 LOGGED – R. Goreau

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			6"		44.7	.04	.027	30.35									
10	I.F. – well enriched with magnetite.				43.8	.05	.032	32.31	46.3	.05	.030	28.71					
15					45.0	.05	.030	30.42									
20					51.7	.04	.032	21.74									
25					54.3	.04	.036	18.28									
30	Blue hematite and magnetite with considerable quartz.				55.6	.06	.038	16.66									
35					55.8	.04	.030	16.62	55.0	.05	.030	17.52	.05	.03	.18	.029	3.30
40					52.7	.05	.025	20.40									
45					56.5	.06	.021	15.60									
50					55.1	.04	.028	18.22									
53	Martite and magnetite.		B.K		63.7	.04	.024	4.60	63.7	.04	.024	4.60	.01	.03	.20	.014	2.70

REMARKS Deepened from 52' with D.D.

F-121 BD

FORM 8C-11

H.N.S.E.Co.

DEPOSIT - FERRIMAN No.1 DISTRICT - Quebec HOLE NO. - F-122B

LOCATION - 31,862.6 N-72,209.7 E ELEVATION - 2543.6' DEPTH - 22'

DRILL TYPE - 27 T STARTED - July 13, 1948 COMPLETED - July 13, 1948 LOGGED - R. Gerety

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)												
									BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15	Quartzose I.F. enriched with magnetite.																
20																	
22																	

REMARKS

No analyses. Hole lost in dense I.F. -

F-122B

FORM 3C 11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No.1 DISTRICT – Quebec HOLE NO.– F-123 B

LOCATION – 30,459.4 N-73,344.8 E ELEVATION – 2496.2' DEPTH – 216'

DRILL TYPE – 27 T STARTED – July 13, 1948 COMPLETED – July 17, 1948 LOGGED – R. Goren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)												
									BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15	Blue hematite and magnetite				51.8	.03	.010	23.04									
20	with		Open		54.1	.05	.012	19.96	53.6	.05	.010	20.71	.07	.03	.20	.009	2.00
25	considerable fine quartz.		Hole		52.5	.04	.009	22.56									
30					56.0	.06	.008	17.29									
35					60.0	.06	.011	11.19									
40					60.5	.08	.008	10.26									
45					61.2	.04	.011	9.82									
50					60.4	.05	.012	10.89									
55					61.3	.05	.012	9.88									
60					61.5	.10	.012	8.86									
65	Same				62.5	.11	.010	7.40									
70					60.7	.03	.015	10.59	61.3	.06	.012	9.96	.07	.03	.12	.011	1.85
75	with less quartz.				62.2	.05	.010	9.00									
80					59.5	.04	.014	12.85									
85					60.8	.03	.013	10.21									
90					62.5	.05	.012	7.86									
95					60.6	.08	.014	11.60									
100					61.9	.08	.011	7.92									
105					63.3	.10	.012	9.84									
110					61.1	.03	.008	11.26									
115					58.6	.05	.008	14.37									
120					57.0	.06	.008	17.32									
125	Red stained blue				55.5	.11	.009	19.33									
130					55.9	.04	.017	18.20									
135	hematite and martite				56.8	.05	.017	17.46	56.4	.05	.013	17.51	.06	.04	.06	.015	.84
140					57.8	.05	.017	16.37									
145	with more quartz.				57.1	.05	.013	17.25									
150					57.5	.05	.018	15.84									
155					54.1	.03	.015	18.73									
160					53.4	.05	.011	20.24									
165					50.2	.03	.013	28.05									
170					51.1	.08	.032	26.06									
175					49.8	.06	.019	27.57									
180	Quartzose I.F.				48.3	.03	.021	28.83									
185					48.1	.05	.025	30.25									
190	well enriched with				47.3	.05	.023	30.68	47.1	.05	.027	31.29					
195					45.7	.05	.027	33.21									
200	hematite and magnetite				43.9	.06	.027	36.22									
205					42.3	.05	.023	36.98									
210					43.9	.05	.032	35.40									
215					46.7	.10	.054	30.90									
216					Sample Missing												

REMARKS

F-123 B

FORM #C 11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No.1 DISTRICT – Quebec HOLE NO. – F-124 B

LOCATION – 31,841.0 N 72,186.5 E ELEVATION – 2544.14' DEPTH – 194'

DRILL TYPE – 27 T STARTED – July 17, 1948 COMPLETED – July 22, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface ? or enriched I.F.		6"														
10																	
15					45.0	.16	.024	30.00									
20					57.1	.26	.052	12.11									
25			Open		57.6	.29	.044	11.06									
30			Hole		61.6	.69	.028	6.32									
35					60.1	.58	.028	8.65									
40					61.1	.72	.033	6.63									
45					59.5	.26	.022	11.25									
50	Cindery blue				58.6	.32	.024	12.36									
55					64.2	.27	.021	4.65									
60	hematite and magnetite				64.0	.19	.019	5.47	61.6	.29	.026	7.76	.06	.03	.15	.017	2.77
65					Sample Missing												
70	with minor quartz.				64.0	.16	.019	4.73									
75					63.7	.24	.021	5.38									
80					63.6	.11	.017	5.82									
85					63.1	.13	.017	6.29									
90					61.8	.16	.017	8.04									
95					63.6	.13	.019	6.30									
100					61.2	.16	.038	9.15									
105					59.1	.13	.019	13.12									
110					58.5	.14	.017	14.00									
115	Same – with more				57.8	.13	.025	16.51									
120					60.7	.16	.021	10.55	57.3	.13	.020	15.14	.05	.03	.10	.013	1.92
125	fine quartz.				58.3	.16	.021	14.13									
130					57.5	.10	.023	15.54									
135					55.8	.11	.021	17.83									
140					54.9	.11	.017	19.45									
145					52.9	.11	.023	22.12									
150					51.4	.06	.021	23.86									
155					52.9	.10	.021	22.23									
160	Quartzose I.F. well				55.7	.11	.021	18.52									
165					53.5	.06	.021	22.24									
170	enriched with				53.1	.13	.019	22.22	52.4	.10	.021	22.73	.07	.03	.23	.011	1.46
175					52.0	.13	.021	23.12									
180	hematite and martite.				52.0	.08	.019	22.97									
185					50.6	.11	.021	25.06									
190					50.3	.06	.023	24.92									
194					Sample Missing											-	

REMARKS

F-124 B

Form 30-11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No.1 DISTRICT – Quebec HOLE NO. – F-125 B

LOCATION – 32,353.3 N – 71,835.6 E ELEVATION – 2527.7' DEPTH – 262'

DRILL TYPE – 27 T STARTED – July, 14, 1948 COMPLETED – July 17, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			6"		43.0	.10	.028	31.65									
10	I.F. enriched with magnetite and some surface contamination.				43.8	.11	.027	31.33									
15					42.3	.24	.030	32.31	42.6	.16	.028	30.76					
20					39.9	.19	.030	34.63									
25					43.8	.14	.025	23.86									
30			Open		56.0	.11	.038	14.49									
35			Hole		56.1	.13	.042	12.91									
40					57.4	.08	.040	11.65									
45	Hard blue hematite with				56.9	.05	.036	13.56									
50					57.9	.08	.032	11.53									
55	some martite and magnetite,				58.0	.18	.043	10.92	56.9	.13	.034	13.22	.07	.03	.22	.010	4.35
60					57.0	.13	.040	13.30									
65	considerable fine quartz.				58.5	.14	.043	11.31									
70					57.6	.18	.045	13.23									
75					56.1	.16	.042	15.00									
80					54.4	.24	.032	17.50									
85	Same – with more fine quartz.				51.9	.21	.029	22.22	51.8	.18	.027	22.68	.07	.03	.75	2.72	
90					51.7	.16	.025	23.15									
95					49.0	.16	.023	26.90									
100					47.0	.13	.023	29.02									
105					44.1	.15	.027	34.90									
110					42.7	.15	.029	35.53									
115					43.0	.16	.023	36.81									
120					44.2	.13	.028	34.32									
125					46.0	.14	.028	31.00									
130					46.8	.13	.027	29.82									
135					46.9	.16	.025	30.42									
140	I.F.				46.7	.14	.02[illegible]	30.33									
145					46.4	.14	.023	30.28									
150	well enriched with				45.5	.15	.023	31.39	45.5	.47	.023	31.58					
155					43.8	.16	.019	33.86									
160	martite and magnetite.				43.5	.13	.019	34.70									
165					47.5	.21	.017	30.30									
170					48.0	.26	.015	29.40									
175					48.1	.29	.015	29.24									
180					47.5	.59	.017	29.37									
185					45.9	1.01	.015	29.90									
190					42.7	1.43	.019	34.22									
195					43.3	1.57	.023	33.01									
200					44.2	1.33	.021	32.30									
205					47.1	.64	.017	28.50									
210					42.5	1.92	.044	32.40									
215					39.0	8.83	.051	24.98									
220	Blue hematite and limonite with some pyrolusite and considerable fine siliceous material.				45.4	4.42	.049	20.94									
225					45.8	3.86	.051	21.34									
230					48.0	3.60	.096	16.40	45.6	4.93	.114	19.43	.06	.04	.32	.008	6.96
235					48.3	3.61	.103	16.78									
240					45.1	5.72	.140	19.06									
245					47.3	4.44	.309	16.50									
250					43.1	2.18	.184	26.50									
255	Cherty I.F.				43.5	1.95	.162	28.68									
260					38.8	1.52	.053	35.72	41.2	1.79	.129	31.59					
262					39.3	1.52	.05[illegible]	35.46									

REMARKS

see cross section No 19

F-125 B

FORM 80 11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No.1 DISTRICT – Quebec HOLE NO. – F-126 B

LOCATION – 30,061.4 N – 73,807.0 E ELEVATION – 2453.7' DEPTH – 275'

DRILL TYPE – 27 T STARTED – July 18, 1948 COMPLETED – July 21, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			6"														
10	Surface																
15																	
20			Open		43.3	.21	.032	32.56									
25			Hole		45.9	.16	.049	29.41									
30					46.7	.13	.036	29.27									
35					44.5	.13	.030	32.64									
40	Hard refractory I.F.				45.0	.16	.040	31.78									
45					45.2	.08	.029	32.77									
50	enriched with				45.1	.08	.027	32.35	47.1	.12	.027	29.87					
55					49.4	.08	.023	27.45									
60	hematite and magnetite				48.8	.08	.021	28.16									
65					49.9	.10	.019	26.81									
70					52.1	.10	.019	24.39									
75					47.0	.13	.021	30.70									
80					48.8	.08	.013	28.22									
85					47.6	.13	.015	31.06									
90					55.1	.10	.015	19.76									
95					53.1	.10	.023	21.01									
100					57.5	.11	.025	15.33									
105					56.9	.13	.030	16.64									
110					55.7	.14	.032	17.85									
115					54.9	.15	.051	18.60									
120					54.2	.13	.032	20.53									
125					50.6	.10	.030	25.64									
130					51.1	.08	.017	24.81									
135					53.0	.15	.017	22.21									
140					51.0	.11	.008	24.52									
145					51.6	.16	.013	24.30									
150					50.4	.13	.013	25.50									
155					54.9	.10	.018	19.20									
160					55.2	.14	.016	18.92									
165	Blue hematite and martite				56.1	.10	.012	17.40									
170					57.1	.15	.010	18.60									
175	with varying amounts				56.5	.11	.014	17.40	54.4	.13	.027	19.91	.07	.04	.30	.008	1.49
180					54.3	.16	.015	21.60									
185	of fine quartz.				55.4	.16	.016	19.01									
190					54.3	.15	.023	19.95									
195					50.9	.16	.031	22.35									
200					52.7	.16	.034	20.24									
205					53.6	.15	.027	20.12									
210					59.5	.13	.025	12.96									
215					58.7	.14	.030	14.10									
220					57.1	.05	.032	16.73									
225					55.0	.10	.029	20.48									
230					52.8	.13	.030	22.67									
235					52.0	.10	.028	23.90									
240					52.8	.10	.036	21.72									
245					52.6	.10	.034	22.35									
250					54.5	.15	.049	18.90									
255					51.9	.11	.040	23.22									
260					50.4	.26	.036	24.04									
265					58.3	.16	.047	13.23									
270					58.8	.16	.036	13.21									
275					55.5	.18	.045	17.51									

REMARKS

F-126 B

Form 8C11

H.N.S.F.Co.

DEPOSIT – FERRIMAN No.1 DISTRICT – Quebec HOLE NO. – F-127 B

LOCATION – 29,875.9 N – 74,770.8 E ELEVATION – 2419.1' DEPTH – 355'

DRILL TYPE – 27 T STARTED – July 22, 1948 COMPLETED – July 24, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			6"		43.7	.13	.033	31.17									
10			Open		50.6	.06	.031	24.70									
15			Hole		48.2	.10	.029	26.85									
20					52.9	.16	.029	20.82									
25					55.6	.05	.029	17.77									
30					53.7	.08	.035	19.44									
35					50.6	.05	.033	23.93									
40					53.5	.10	.035	20.39									
45					51.2	.05	.035	23.93									
50					50.0	.04	.029	26.19									
55					51.0	.05	.051	24.18									
60					48.1	.05	.053	28.20									
65					49.9	.04	.040	[illegible]									
70					50.7	.10	.033	[illegible]									
75					49.0	.04	.036	[illegible]									
80	Well enriched				53.8	.08	.035	[illegible]									
85					51.9	.06	.035	22.89									
90	quartzose I.F. –				47.7	.06	.040	29.76	50.3	.07	.034	25.11					
95					44.2	.05	.029	33.61									
100	near lean ore.				52.5	.04	.035	22.50									
105					49.6	.11	.029	27.06									
110					49.5	.08	.033	27.55									
115					46.5	.04	.027	32.50									
120					48.4	.08	.033	28.94									
125					46.1	.05	.026	30.89									
130					51.6	.05	.029	23.20									
135					47.5	.04	.040	29.00									
140					47.5	.06	.033	29.57									
145					51.0	.06	.038	24.13									
150					51.2	.10	.033	24.39									
155					54.3	.04	.029	20.08									
160					52.7	.05	.033	21.47									
165					53.4	.06	.029	21.34									
170					50.3	.06	.029	25.36									
175					49.7	.08	.037	26.88									
180					49.0	.05	.031	27.92									
185					52.9	.05	.040	20.57									
190					51.4	.05	.046	20.62									
195					54.3	.04	.055	17.05									
200	Brown goethite				54.8	.08	.057	15.15									
205	and limonite with				53.4	.06	.080	15.28	53.9	.14	.059	14.31	.07	.04	.83	.020	6.75
210	less quartz.				53.9	.18	.051	12.83									
215					53.4	.21	.053	14.20									
220					53.4	.26	.060	11.37									
225					52.5	3.78	.064	7.77									
230					50.2	2.70	.069	9.20									
235	Same – with some				49.0	6.42	.070	9.79									
240					47.1	4.92	.068	14.45									
245	painty red hematite				48.1	7.32	.066	9.52	49.9	4.06	.063	12.42	.07	.04	1.24	.015	7.78
250					47.8	5.14	.082	14.25									
255	and pyrolusite.				51.1	4.08	.071	12.87									
260					57.8	.16	.038	7.93									
265					48.5	2.76	.051	18.68									
270					47.3	3.28	.049	19.80									
275					45.9	1.52	.046	26.00									
280					47.6	1.68	.049	23.00									
285					48.1	1.19	.046	23.34									
290					39.7	1.06	.040	35.42									
295	Leaner I.F.				36.0	1.77	.029	39.38									
300					35.0	1.58	.031	40.60	35.6	1.69	.033	39.13					
305	with some kaolin.				33.8	1.51	.033	42.56									
310					30.2	1.13	.031	48.44									
315					32.4	1.58	.028	44.98									
320					32.3	1.34	.029	44.50									
325					37.6	1.32	.029	37.56									

REMARKS

Continued on following sheet.

FORM 8C 11

H.N.S.F.Co.

DEPOSIT – FERRIMAN No. 1 DISTRICT – Quebec HOLE NO. – F-127 B

LOCATION – 29,875.9 N – 74,770.8 E ELEVATION – 2419.1' DEPTH – 355'

DRILL TYPE – 27 T STARTED – July 22, 1948 COMPLETED – July 24, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
330					31.2	3.60	.026	12.92									
335					32.5	4.20	.029	8.57									
340					32.2	1.93	.025	9.22									
345					32.9	1.61	.027	12.01									
350					31.5	1.21	.035	13.64									
355					24.3	.51	.036	32.12									

REMARKS

F-127B

FORM DC 11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No. 1 DISTRICT – Quebec HOLE NO. – F-128 B

LOCATION – 29,559.1 N-75,443.3 E ELEVATION – 2393.7' DEPTH – 255'

DRILL TYPE – 27 T STARTED – July 25, 1948 COMPLETED – July 28, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"		40.8	.18	.030	34.10									
10					48.3	.08	.039	26.41									
15					48.6	.10	.036	26.06									
20					48.4	.13	.038	26.55									
25					48.4	.10	.038	27.00									
30					47.1	.08	.034	27.94									
35			Open		51.0	.13	.038	22.17									
40			Hole		51.3	.04	.043	21.30									
45					48.3	.06	.032	27.13									
50					46.8	.10	.030	28.30									
55	Well enriched				46.2	.06	.038	29.05									
60					50.7	.05	.036	24.85									
65	quartzose I.F. –				48.1	.05	.027	28.79	48.6	.08	.033	27.02					
70					50.3	.07	.034	25.06									
75	near lean ore.				45.5	.08	.026	31.57									
80					47.9	.05	.032	28.60									
85					48.8	.05	.034	28.03									
90					47.3	.10	.039	30.76									
95					46.0	.05	.030	32.36									
100					49.5	.05	.024	27.10									
105					48.9	.04	.027	27.92									
110					52.5	.10	.028	22.09									
115					50.5	.08	.028	25.52									
120					50.5	.06	.030	25.26									
125					50.7	.05	.032	24.99									
130					52.0	.10	.032	23.49									
135					52.6	.11	.026	21.91									
140					54.2	.07	.026	21.24									
145					54.1	.08	.036	21.36									
150					52.9	.10	.026	24.17									
155					51.1	.11	.023	25.28									
160					51.6	.08	.028	24.21									
165	Same – with more				48.1	.13	.038	27.78									
170					54.7	.10	.040	18.52	51.1	.12	.036	22.80					
175	enrichment.				50.0	.13	.038	25.10									
180					50.6	.21	.038	23.56									
185					54.5	.10	.041	17.94									
190					48.5	.11	.034	25.20									
195					47.5	.11	.041	26.00									
200					48.8	.15	.045	23.18									
205					50.1	.15	.047	21.05									
210					49.0	.16	.049	18.31									
215					51.9	.08	.053	14.09									
220					53.3	.10	.072	12.10									
225	Limonite				53.7	.16	.087	12.16									
230					56.8	.13	.052	7.95									
235	and blue hematite				54.3	.11	.058	10.50	53.9	.14	.058	12.00	.07	.03	1.47	.038	8.44
240					55.9	.15	.049	8.79									
245	with some quartz.				52.5	.18	.038	15.30									
250					52.7	.21	.049	15.20									
255					Sample Missing												

REMARKS

F-128 B

Core box
Does not exist 12-14

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No. 4 DISTRICT – Quebec HOLE NO. – F-401B

LOCATION – 41,029.3 N - 69,207.2 E ELEVATION – 2149.2 DEPTH – 130'

DRILL TYPE – 27 T STARTED – Oct. 12, 1948 COMPLETED – Oct. 13, 1948 LOGGED – H.W. Fleming

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	CORE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Cherty I.F. enriched with goethite.		5"		44.3	.10	.195	23.68	33.8	.09	.188	36.91					
10					41.9	.05	.158	26.83									
15			3½" Hole		40.5	.08	.155	28.90									
20					28.6	.04	.142	39.33									
25					34.5	.06	.160	32.10									
30					33.2	.29	.172	37.10									
35					32.4	.06	.172	38.50									
40					28.0	.08	.156	45.00									
45					31.2	.04	.172	40.10									
50					35.8	.13	.151	35.70									
55					33.0	.10	.162	39.24									
60					29.6	.08	.280	37.78									
65					28.6	.08	.312	42.69									
70					32.1	.08	.226	37.06									
75					33.2	.08	.198	38.75									
80					30.9	.08	.153	45.07									
85					36.5	.16	.168	36.12									
90					33.6	.07	.199	40.50									
95	Quartzite-																
100																	
105																	
110																	
115																	
120																	
125																	
130																	

Ministère des Richesses Naturelles, Québec
SERVICE DES GITES MINERAUX
No GM- 406-A

REMARKS

F-401B

Twps 3956 4056 (Bloc 3)

FORM BC 11

H.N.S.F.Co.

DEPOSIT – FERRIMAN No. 5 DISTRICT – Quebec HOLE NO. – F-501 B

LOCATION – 41,551.8 N – 73,085.2 E ELEVATION – 2198.4' DEPTH – 195'

DRILL TYPE – 22 T STARTED – Sep. 22, 1948 COMPLETED – Sep. 23, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10	Limonitic goethite and surface contamination.				52.4	.10	.067	9.29									
15					51.3	.08	.065	12.41	52.3	.10	.067	10.73	.08	.06	2.52	.010	10.26
20					53.2	.13	.069	10.49									
25	Chiefly limonite with some goethite and minor quartz.				56.0	.04	.072	5.70									
30					57.0	.13	.074	4.26									
35					58.0	.11	.074	3.52									
40					58.3	.11	.060	2.60									
45					58.2	.13	.067	2.32									
50					58.7	.11	.074	2.29									
55					59.1	.16	.076	2.23									
60					58.2	.08	.094	2.80	58.6	.11	.099	3.42	.09	.06	2.81	.019	9.09
65					58.6	.08	.118	2.31									
70					60.7	.14	.114	2.34									
75					60.2	.10	.113	2.57									
80					59.2	.11	.139	3.43									
85					60.3	.09	.140	3.25									
90			Open		59.8	.08	.152	3.92									
95			Hole		59.5	.16	.134	4.21									
100						Missing											
105					56.3	.17	.076	6.97									
110	Soft blue hematite and limonite with considerable chert and quartz.				54.8	.13	.055	9.21									
115					52.8	.11	.048	10.23									
120					52.5	.13	.051	10.02	52.2	.12	.064	10.00	.06	.06	7.72	.014	6.47
125					50.4	.16	.062	10.51									
130					44.9	.10	.065	14.52									
135					57.9	.08	.102	5.51									
140	Slaty enriched cherty I.F. –				37.2	.05	.078	17.67									
145					48.3	.08	.079	12.57									
150					46.5	.07	.086	12.66									
155					46.4	.10	.077	12.67									
160					36.7	.11	.069	21.08									
165					33.2	.13	.060	32.94	36.6	.41	.072	28.91					
170					38.9	.16	.063	27.22									
175					33.5	.44	.076	35.34									
180					45.7	.16	.081	13.60									
185	Quartzite –				35.0	2.65	.086	32.95									
190					18.7	.44	.058	64.48									
195					18.7	.54	.051	63.78									

MINISTÈRE DES MINES, QUÉBEC
SERVICE DES GITES MINÉRAUX
No GM- 406-A

REMARKS

F-501 B

H.N.S.N.I

DEPOSIT -- FERRIMAN No. 5 DISTRICT - Quebec HOLE NO. - F-502 B

LOCATION - 41,452.2 N - 73,008.8 E ELEVATION - 2186.8' DEPTH - 135'

DRILL TYPE - 22 T STARTED - Sep. 24, 1948 COMPLETED - Sep. 25, 1948 LOGGED - R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15	Kaolinized pinky blue hematite and limonite I. F.				50.5	.31	.034	14.66	51.0	.32	.045	13.24	.08	.06	6.34	.015	5.94
20					51.6	.34	.056	11.82									
25						Missing			31.8	.03	.072	20.83					
30					31.8	.03	.072	20.83									
35	Harder brown goethite and chert.				50.0	.40	.060	9.55									
40					56.0	.52	.060	6.50	51.9	.34	.061	8.84	.08	.06	7.16	.020	7.68
45					49.7	.11	.062	10.46									
50	Slaty enriched I. F.				46.8	.24	.067	11.10									
55					39.1	.18	.092	16.90	38.5	.17	.085	17.67					
60					29.5	.10	.096	25.00									
65					14.5	.05	.083	63.97									
70																	
75																	
80																	
85			Open Hole														
90																	
95	White quartzite.																
100																	
105																	
110																	
115																	
120																	
125																	
130																	
135																	

REMARKS

F-502 B

FORM DC 11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No. 5 DISTRICT – Quebec HOLE NO. – F-503 B

LOCATION – 40,833.4 N – 73,775.0 E ELEVATION – 2215.1' DEPTH – 110'

DRILL TYPE – 22 T STARTED – Sep. 29, 1948 COMPLETED – Sep. 30, 1948 LOGGED – R. Geran

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20	Slaty I.F.				40.2	.08	.074	18.73									
25			Open		38.2	.10	.085	18.91									
30			Hole		30.5	.11	.079	24.66									
35					26.9	.08	.063	24.50									
40					38.7	.10	.077	15.75									
45					47.7	.16	.065	10.59									
50					44.4	.10	.069	12.90	40.3	.12	.077	16.61					
55					43.7	.08	.077	13.72									
60					44.8	.08	.076	13.73									
65					41.1	.10	.081	16.37									
70					41.2	.18	.094	15.80									
75					40.5	.18	.090	16.24									
80					39.9	.16	.077	17.02									
85					46.2	.13	.065	13.56									
90	Quartzite				45.9	.13	.057	18.94									
95					40.9	.10	.106	27.60									
100																	
105																	
110																	

REMARKS

F-503 B

FORM 3611

H.N.S.E.Co.

DEPOSIT – FERRIMAN No.5 DISTRICT – Quebec HOLE NO.– F-504B

LOCATION – 39,361.3 N – 75,717.8 E ELEVATION – 2235.0' DEPTH – 130'

DRILL TYPE – 22 T STARTED – Sep. 30, 1948 COMPLETED – Sep. 30, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10					53.7	.26	.091	10.18									
15					57.8	.21	.105	4.31									
20					57.4	.21	.113	4.33									
25					56.7	.18	.113	5.96									
30	Goethite and limonite with some coarse quartz				58.0	.10	.103	4.55									
35					60.2	.11	.094	2.83	56.4	.16	.104	7.15	.08	.05	1.53	.013	9.12
40					59.8	.11	.086	2.70									
45					59.5	.11	.124	3.95									
50					53.5	.13	.115	12.65									
55					45.1	.21	.086	19.70									
60					57.8	.10	.118	7.01									
65					57.2	.13	.105	7.60									
70	Same – with more fine quartz.				52.6	.16	.120	14.71									
75			Open		53.6	.13	.122	12.66	53.6	.13	.109	13.50	.08	.06	3.18	.012	5.30
80			Hole		54.7	.10	.086	13.12									
85					40.3	.08	.118	34.18									
90					31.9	.11	.045	44.65									
95					28.7	.09	.053	50.74									
100					28.1	.10	.050	50.57									
105	Cherty pointy rock.				23.9	.08	.041	57.87	23.5	.09	.053	54.7					
110					19.9	.13	.036	61.65									
115					17.4	.11	.047	60.10									
120					14.8	.09	.041	62.43									
125					14.1	.08	.045	61.90									
130					15.6	.08	.052	62.45									

REMARKS

F-504B

PART OF II

H.N.S.E.Co.

DEPOSIT – FERRIMAN No.5 | DISTRICT – Quebec | HOLE NO. – F-505B

LOCATION – 39,442.9N – 75,759.7E | ELEVATION – 2242.8' | DEPTH – 155'

DRILL TYPE – 22 T | STARTED – Oct. 1, 1948 | COMPLETED – Oct. 1, 1948 | LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			6"		58.7	.05	.053	6.23									
10					58.3	.16	.060	5.73									
15					57.6	.08	.057	6.63									
20					59.1	.05	.095	4.67									
25					59.2	.10	.050	3.60									
30					59.0	.11	.050	3.31									
35	Limonite and brown goethite – with some coarse quart.				58.2	.13	.067	4.63									
40					59.0	.11	.060	4.92	58.8	.13	.061	5.15	.06	.06	.73	.017	8.87
45					59.3	.08	.060	4.00									
50					59.4	.07	.053	4.20									
55					59.6	.13	.059	5.06									
60					59.0	.11	.060	5.86									
65					59.3	.21	.064	4.04									
70			Open		58.9	.24	.062	6.05									
75			Hole		57.4	.26	.062	7.40									
80	Hematite and limonite with kaolin				55.0	.29	.076	11.30	53.4	.25	.075	14.12	.07	.06	1.86	.019	6.37
85					51.7	.21	.074	16.95									
90					42.6	.16	.064	30.79									
95					47.6	.16	.050	24.00									
100					37.1	.21	.050	37.20									
105					41.3	.29	.057	31.16									
110	Refractory I.F. – with some painty hematite enrichment				45.6	.30	.053	25.97									
115					37.7	.37	.053	35.85									
120					35.0	1.04	.091	36.00	33.8	.33	.061	35.26					
125					37.5	.64	.081	33.12									
130					37.4	.40	.081	29.30									
135					31.7	.18	.062	34.70									
140					27.8	.19	.055	38.25									
145					14.9	.35	.050	50.58									
150					16.3	.21	.055	44.26									
155					21.4	.13	.057	42.52									

REMARKS

F-505B

FORM DC 11

H.N.S.E.Co.

DEPOSIT – FERRIMAN No. 5 DISTRICT – Quebec HOLE NO. – F-506 B

LOCATION – 38,916.3 N – 76,078.7 E ELEVATION – 2195.5' DEPTH – 95'

DRILL TYPE – 22 T STARTED – Oct. 2, 1948 COMPLETED – Oct. 4, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15					46.0	.16	.081	24.23									
20	Cherty I.F.- enriched with some hematite.				33.7	.13	.043	45.47									
25					35.7	.29	.036	42.22	35.4	.23	.054	40.19					
30					35.8	.35	.036	42.10									
35					33.9	.26	.067	42.37									
40					30.1	.19	.060	44.77									
45					19.5	.13	.033	61.90									
50					21.2	.14	.055	57.73									
55					24.8	.05	.050	45.46									
60					19.1	.08	.102	46.37									
65	Slightly enriched quartzite.		Open		10.7	.11	.074	74.44									
70			Hole		11.6	.03	.084	76.64	17.8	.09	.049	60.42					
75																	
80																	
85																	
90																	
95																	

REMARKS

F-506B

FORM BC 11

H.N.S.E. Co.

DEPOSIT – FERRIMAN No. 5 DISTRICT – Quebec HOLE NO. – F-507B

LOCATION – 38,980.9 N – 76,115.0 E ELEVATION – 2219.5' DEPTH – 121'

DRILL TYPE – 22 T STARTED – Oct. 15, 1948 COMPLETED – Oct. 16, 1948 LOGGED – H.W. Fleming

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			6"		37.5	.11	.020	41.25									
10					37.4	.13	.025	39.08									
15	I.F. – enriched with some limonite and goethite.		Open Hole		41.1	.10	.022	38.34									
20					44.2	.11	.024	31.24	41.1	.11	.022	35.58					
25					42.4	.14	.024	33.16									
30					41.1	.10	.016	35.55									
35					44.3	.11	.020	30.50									
40					50.5	.11	.022	19.31									
45	Limonite and goethite with considerable quartz.				52.5	.10	.031	17.50									
50					52.3	.16	.031	16.60	52.6	.14	.029	16.09	.08	.05	.49	.011	6.87
55					52.5	.16	.029	16.44									
60					55.5	.16	.033	10.59									
65					56.7	.08	.046	8.57									
70	Yellowish goethite with some coarse quartz.				54.7	.08	.053	11.80									
75					55.4	.08	.075	9.95	55.8	.09	.069	9.27	.08	.04	.90	.011	9.01
80					54.9	.08	.086	10.23									
85					56.6	.10	.079	7.55									
90					56.4	.13	.077	7.50									
95	Same – with more quartz.				55.1	.13	.073	10.35									
100					55.1	.11	.062	9.92									
105					55.7	.08	.073	8.90	54.2	.11	.073	11.49	.08	.05	.84	.010	9.24
110					50.8	.13	.084	16.78									
115	I.F. – enriched with goethite.				45.0	.19	.087	24.93									
120					44.2	.32	.133	26.67	44.6	.26	.110	25.80					
121																	

REMARKS

F-507B

Tot. additional (boundaries and centers 17-137)

TWP H055 Plan 3

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 2 DISTRICT – Quebec HOLE NO. – FL-210B

LOCATION – 54,000.6 N – 47,146.9 E ELEVATION – 2663.2' DEPTH – 185'

DRILL TYPE – 27 T STARTED – Sep. 3, 1948 COMPLETED – Sep. 5, 1948 LOGGED – R. Geran

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"		41.3	.10	.032	28.89									
10					38.2	.13	.021	34.91									
15	Limonitic coated hematite and martite, with quartz and chert.		Open Hole		53.6	.11	.018	15.76									
20					57.8	.05	.021	10.86	56.2	.06	.021	13.68	.07	.04	.66	.011	4.08
25					57.5	.03	.019	13.05									
30					56.0	.03	.026	15.03									
35	I.F. – well enriched with martite – Near lean ore.				52.0	.05	.021	21.25									
40					48.2	.05	.023	25.89									
45					50.4	.04	.018	23.69									
50					50.1	.06	.018	24.93	50.4	.09	.018	24.15	.08	.04	.70	.010	2.03
55					49.7	.05	.018	26.11									
60					51.9	.13	.012	23.00									
65	Refractory hard blue hematite.				53.2	.08	.007	20.53									
70					56.8	.18	.014	15.32	56.4	.12	.011	15.81	.11	.04	1.24	.011	1.37
75					59.1	.11	.011	11.57									
80	Same – with less quartz.				62.1	.19	.010	8.25									
85					61.8	.16	.014	7.90	61.9	.15	.013	8.35	.10	.05	1.40	.011	1.27
90					61.7	.11	.014	8.90									
95	Limonite, goethite and martite – with considerable quartz and chert.				57.9	.06	.021	14.44									
100					56.8	.09	.021	15.94									
105					55.6	.04	.026	17.14									
110					55.5	.08	.035	16.47									
115					54.7	.08	.040	17.02									
120					54.2	.13	.051	16.68	54.5	.08	.032	17.52	.10	.05	.91	.013	3.16
125					53.7	.07	.031	18.11									
130					53.8	.08	.032	18.17									
135					52.7	.10	.033	18.84									
140					52.4	.07	.032	19.76									
145					52.4	.05	.028	20.19									
150	Quartzose I.F. – enriched with hematite and martite.				51.2	.11	.028	21.34									
155					49.9	.04	.025	23.70									
160					48.5	.09	.027	26.05									
165					48.9	.03	.028	26.30	47.6	.07	.025	27.86					
170					46.4	.08	.025	30.50									
175					43.7	.10	.019	33.86									
180					46.0	.04	.021	31.02									
185					46.0	.06	.026	30.14									

MINISTÈRE DES MINES, QUÉBEC
SERVICE DES CITES MINÉRAUX
No GM 406-A

REMARKS

FL-210B

FORM AC 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 2 | DISTRICT – Quebec | HOLE NO. – FL-213B

LOCATION – 54,474.2 N – 46,784.7 E | ELEVATION – 2673.0' | DEPTH – 120'

DRILL TYPE – 27 T | STARTED – Sep. 6, 1948 | COMPLETED – Sep. 6, 1948 | LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)												
									BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25																	
30	Quartzose I.F.		Open Hole		37.8	.10	.021	41.07									
35					48.5	.08	.016	28.51	46.4	.08	.017	30.46					
40					52.9	.05	.014	21.79									
45	Blue hematite and martite with some quartz.				55.1	.11	.014	14.73									
50					57.5	.15	.016	14.92	57.5	.14	.019	15.52	.10	.04	1.08	.010	.89
55					56.9	.16	.027	16.92									
60	Well enriched I.F.				54.6	.13	.020	20.61									
65					52.6	.10	.023	23.48									
70					49.0	.08	.023	27.93	51.0	.09	.023	25.16					
75					48.0	.05	.027	28.60									
80	I.F. – showing less enrichment.				44.9	.05	.021	33.50									
85					41.4	.06	.018	37.94									
90					40.3	.03	.020	38.69									
95					40.8	.03	.015	38.53									
100					39.4	.03	.014	40.06	39.9	.04	.018	39.58					
105					37.8	.05	.017	43.40									
110					37.0	.03	.015	43.55									
115					35.7	.03	.017	45.44									
120					41.5	.06	.023	35.10									

REMARKS

FL-213B

FORM DC 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No.2 DISTRICT – Quebec HOLE NO.– FL-219 B

LOCATION – 54,535.5 N – 46,864.8 E ELEVATION – 2,673.9' DEPTH – 240'

DRILL TYPE – 27 T STARTED – Sep. 11, 1948 COMPLETED – Sep. 15, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0–5	Surface	CASING	6"														
10																	
15																	
20	I.F. – well enriched with blue hematite and martite. Some sections pinty.			35.5	35.5	.13	.044	39.36									
25			Open Hole		42.5	.05	.047	34.01									
30						MISSING											
35					43.0	.06	.040	34.86									
40					42.0	.06	.035	37.21									
45					39.8	.11	.030	41.27									
50					42.1	.05	.021	37.78									
55					46.6	.06	.021	32.42									
60					47.1	.06	.016	31.29									
65					46.4	.05	.016	32.13	45.0	.07	.023	33.23					
70					47.5	.05	.018	30.67									
75					47.5	.08	.016	30.59									
80					46.8	.09	.019	31.56									
85					49.0	.09	.019	28.28									
90					49.5	.05	.021	27.50									
95					47.1	.05	.016	30.53									
100					43.5	.07	.014	35.96									
105					45.7	.08	.016	33.01									
110					46.3	.13	.012	29.63									
115	Purple hematite with considerable quartz and some chert.				54.2	.14	.012	19.06									
120					56.5	.10	.010	17.04									
125					56.0	.08	.010	17.61									
130					58.1	.11	.012	14.05	56.1	.11	.012	17.06	.08	.04	1.18	.006	1.08
135					57.6	.14	.016	14.74									
140					54.2	.08	.013	19.87									
145	Same – with more fine quartz.				52.7	.08	.015	22.26									
150					50.8	.09	.025	25.18									
155					48.3	.05	.015	28.23	49.5	.09	.022	26.59					
160					48.8	.08	.023	27.87									
165					46.9	.13	.025	29.40									
170	Lean quartzose I.F. – enriched with blue hematite.				41.0	.05	.032	36.63									
175					42.5	.07	.028	35.79									
180					41.0	.08	.026	36.61									
185					41.0	.09	.028	37.00									
190						MISSING											
195					40.0	.05	.021	38.68									
200					39.3	.05	.025	40.20									
205					39.0	.06	.023	40.35	39.8	.06	.025	39.16					
210					41.6	.06	.023	37.15									
215					41.2	.05	.021	37.40									
220					39.5	.09	.021	39.40									
225					38.1	.06	.027	40.74									
230					37.8	.06	.021	43.00									
235					37.1	.06	.021	43.77									
240					38.4	.06	.030	41.45									

REMARKS

FL-219B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No.2 DISTRICT – Quebec HOLE NO.-- FL-220B

LOCATION – 54,406.2N-46,692.0E ELEVATION – 2,667.0' DEPTH – 63'

DRILL TYPE – 22 T STARTED – Sep. 11, 1948 COMPLETED – Sep. 12, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)												
									BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface	BX	6"														
10			Open Hole														
15																	
20																	
25	Refractory cherty and quartzose I.F. –																
30																	
35																	
40																	
45																	
50																	
55																	
60																	
63																	

REMARKS

No Analyses

FL-220B

FORM BC 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 2 DISTRICT – Quebec HOLE NO. – FL-221 B

LOCATION – 54,066.6 N – 47,222.7 E ELEVATION – 2,667.5' DEPTH – 188'

DRILL TYPE – 22 T STARTED – Sep. 12, 1948 COMPLETED – Sep. 15, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			6"														
10																	
15																	
20	Surface																
25																	
30																	
35																	
40																	
45			Open		43.6	.09	.055	30.21									
50			Hole		49.8	.05	.063	23.85									
55					45.6	.08	.062	29.38									
60					38.0	.08	.058	41.00									
65					33.6	.08	.051	41.92									
70					40.4	.08	.056	29.80									
75					41.6	.13	.058	27.11									
80					39.4	.08	.049	27.34									
85					44.5	.10	.067	21.86									
90					48.8	.09	.053	18.97									
95					50.7	.06	.039	19.79									
100	Cherty and quartzose I.F.				47.7	.05	.047	26.00									
105					45.8	.08	.044	30.03									
110	enriched with				45.4	.07	.044	28.85	43.0	.08	.043	32.05					
115					43.3	.05	.038	31.53									
120	painty red hematite.				45.2	.10	.042	31.02									
125					40.8	.06	.035	37.38									
130					39.9	.11	.040	38.28									
135					36.6	.08	.032	40.66									
140					39.0	.05	.037	40.19									
145					44.5	.06	.025	32.47									
150					44.3	.08	.030	33.73									
155					43.5	.09	.026	35.26									
160					41.5	.10	.028	34.37									
165					44.6	.11	.035	33.25									
170					43.6	.11	.037	34.37									
175					40.8	.03	.032	37.58									
180					37.9	.08	.033	38.33									
185					45.6	.04	.035	31.60									
188					43.0	.08	.031	35.29									

REMARKS

FL-221B

FORM 3C 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No.2 DISTRICT – Quebec HOLE NO. – FL-222B

LOCATION – 53,320.5N – 47,537.2E ELEVATION – 2,654.2' DEPTH – 150'

DRILL TYPE – 22 T STARTED – Sep. 12, 1948 COMPLETED – Sep. 14, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25																	
30																	
35																	
40			Open Hole														
45																	
50					42.0	.08	.047	33.83									
55					Sample Missing –												
60					38.7	.06	.044	39.70									
65					39.8	.04	.042	38.63									
70					36.6	.05	.042	43.09									
75					Sample Missing –												
80					36.6	.08	.046	42.77									
85	Slaty and cherty I.F. –				34.5	.16	.049	43.64									
90					36.7	.05	.042	41.68									
95	enriched slightly with				35.5	.05	.042	42.00	37.0	.07	.040	41.77					
100					40.1	.08	.042	38.20									
105	pinky red hematite.				38.6	.08	.044	38.10									
110					32.6	.09	.039	46.00									
115					40.1	.06	.046	35.81									
120					31.4	.08	.039	47.99									
125					34.1	.05	.032	45.98									
130					31.8	.08	.027	50.51									
135					34.5	.09	.030	48.06									
140					40.4	.07	.026	39.84									
145					Sample Missing –												
150					42.5	.09	.033	35.97									

REMARKS

FL-222B

Initial 1948 (Hamilton Brothers 16-13, 17-13)

TWP 4055 (Bloc 3)

FORM 8c 11

H.N.S.E.C.

DEPOSIT – FLEMING LAKE No. 3 | DISTRICT – Quebec | HOLE NO. – FL-301B

LOCATION – 51,069.3N-48,227.5E | ELEVATION – 2602.7' | DEPTH – 240'

DRILL TYPE – 27 T | STARTED – July 25, 1948 | COMPLETED – July 28, 1948 | LOGGED – R. Goran

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Red-blue hematite with some magnetite and quartz.		6"		59.3	.05	.038	12.58									
10			Open		60.0	.05	.036	11.42									
15			Hole		61.4	.08	.025	9.42	59.3	.07	.031	12.45	.10	.03	.59	.009	1.80
20					54.7	.05	.030	18.95									
25					61.0	.10	.028	9.90									
30	Same – with more fine impregnated quartz.				49.3	.06	.030	25.93									
35					49.8	.11	.027	25.04									
40					48.5	.04	.026	26.63	49.5	.06	.027	25.44	.10	.03	.36	.009	2.67
45					50.4	.04	.024	24.15									
50	Hematite and magnetite with fine quartz.				54.7	.05	.030	18.34									
55					56.1	.04	.025	17.05	56.1	.04	.025	16.82	.09	.04	.19	.009	2.31
60					57.6	.04	.019	15.06									
65	Cindery blue hematite with some magnetite and minor quartz.				63.1	.06	.023	8.45									
70					62.4	.05	.021	8.62									
75					63.1	.10	.014	7.07									
80					63.5	.05	.017	5.86									
85					63.8	.05	.025	5.17									
90					62.9	.04	.015	5.15									
95					62.9	.10	.021	4.92									
100					65.3	.04	.021	3.63									
105					65.8	.06	.019	3.22	64.3	.07	.019	5.52	.10	.04	.23	.011	2.36
110					65.6	.05	.019	3.03									
115					65.8	.04	.017	3.24									
120					66.8	.08	.015	2.61									
125					67.0	.10	.017	2.54									
130					66.3	.11	.017	4.09									
135					65.1	.05	.015	5.54									
140					64.0	.03	.017	6.70									
145					63.3	.10	.019	8.89									
150					60.7	.06	.023	10.64									
155	Vuggy blue hematite with considerable quartz.				51.9	.11	.021	21.80									
160					51.8	.11	.025	21.92	51.9	.11	.023	21.86	.09	.05	.90	.010	2.42
165					49.5	.06	.023	25.09									
170					48.7	.05	.021	27.13									
175	I.F. – well enriched with hematite and some martite.				48.7	.06	.023	27.40									
180					48.0	.04	.028	26.92	47.8	.07	.030	27.11					
185					46.2	.05	.034	29.14									
190					46.8	.06	.043	28.14									
195					46.6	.15	.041	25.96									
200	Hematite and goethite with considerable earthy siliceous material. –				51.3	.06	.053	18.68									
205					50.1	.10	.043	19.22									
210					50.8	.11	.041	18.17									
215					54.3	.06	.045	14.39									
220					55.4	.10	.045	13.21	54.7	.09	.041	14.35	.10	.05	1.73	.009	4.56
225					57.3	.18	.036	10.75									
230					56.1	.04	.036	11.31									
235					57.4	.06	.034	11.91									
240					57.7	.10	.038	11.55									

MINISTÈRE DES MINES, QUÉBEC
SERVICE DES TITRES MINÉRAUX
No GM-406-A

REMARKS

FL-301B

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 3 DISTRICT – Quebec HOLE NO. – FL-302 B

LOCATION – 52,647.2 N – 47,688.6 E ELEVATION – 2632.3' DEPTH – 79'

DRILL TYPE – 22 T STARTED – July 26, 1948 COMPLETED – July 28, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0	Surface-		6"														
10																	
15																	
20																	
25																	
30																	
35																	
40																	
45																	
50																	
55																	
60	Quartzite with some chert...		Open Hole														
65																	
70																	
75																	
79																	

REMARKS

No analyses –

FL-302 B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 3 DISTRICT – Quebec HOLE NO. – FL-303B

LOCATION – 52,017.8 N – 48,155.4 E ELEVATION – 2616.0' DEPTH – 50'

DRILL TYPE – 22 T STARTED – July 28, 1948 COMPLETED – July 31, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25																	
30																	
35																	
40																	
45																	
50																	

REMARKS

No analyses. Hole lost due to caving –

FL-303B

FORM BC 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 3 DISTRICT – Quebec HOLE NO. – FL-304B

LOCATION – 51,184.9 N – 48,402.6 E ELEVATION – 2582.4 DEPTH – 275'

DRILL TYPE -- 27 T STARTED – July 28, 1948 COMPLETED – August 2, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25	Quartzose and cherty I.F.. enriched with painty red hematite.		Open Hole														
30																	
35																	
40																	
45																	
50																	
55																	
60																	
65																	
70																	
75																	
80																	
85																	
90																	
95																	
100																	
105																	
110																	
115																	
120																	
125																	
130																	
135																	
140																	
145																	
150																	
155																	
160																	
165																	
170																	
175																	
180																	
185																	
190																	
195																	
200																	
205	Lean chert and hematite I.F.-																
210																	
215																	
220																	
225																	
230																	
235																	
240																	
245																	
250																	
255																	
260																	
265																	
270																	
275																	

REMARKS

No analyses –

FL-304B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 3 **DISTRICT** – Quebec **HOLE NO.** – FL-305 B

LOCATION – 50,587.6 N – 48,651.5 E **ELEVATION** – 2574.5' **DEPTH** – 220'

DRILL TYPE – 27 T **STARTED** – August 2, 1948 **COMPLETED** – August 7, 1948 **LOGGED** – R. Goren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"		25.4	.55	.033	44.39									
10	Vuggy blue hematite and magnetite – with considerable fine quartz and chert.				55.3	.29	.028	14.26									
15					52.7	.18	.030	16.88									
20					59.6	.30	.028	10.16	56.5	.22	.028	13.17	.10	.06	2.34	.010	.63
25					58.5	.13	.028	11.37									
30	Hematite, magnetite and martite – with minor quartz.		Open Hole		64.2	.18	.023	5.97									
35					62.4	.08	.028	8.83	63.2	.11	.024	7.87	.09	.06	.60	.009	.21
40					63.0	.06	.021	8.81									
45	Same – with more very fine quartz.				58.8	.06	.019	14.27									
50					58.4	.08	.019	15.11	56.6	.07	.019	17.27	.09	.06	.35	.012	.35
55					55.3	.05	.018	19.97									
60					53.9	.10	.019	19.74									
65					54.6	.05	.013	20.07									
70					50.5	.04	.019	26.17									
75					49.8	.06	.018	26.12									
80					53.2	.16	.018	23.07									
85	I.F. – well enriched with martite and magnetite Quartz very fine.				53.5	.05	.021	22.65									
90					51.5	.06	.020	22.74									
95					52.0	.06	.021	25.34	51.4	.06	.019	25.59					
100					48.7	.05	.019	29.55									
105					50.0	.03	.021	28.04									
110					50.3	.04	.016	27.19									
115					50.3	.05	.014	27.01									
120					53.9	.06	.018	22.11									
125					48.0	.04	.015	30.81									
130	Same – showing less enrichment.				48.1	.05	.018	30.46									
135					44.9	.08	.018	35.15	47.7	.05	.016	31.10					
140					48.5	.06	.016	29.99									
145					49.1	.04	.014	29.07									
150	I.F. – well enriched with hematite and quartzite.				50.4	.04	.014	26.93									
155					50.7	.07	.022	25.89	50.6	.06	.018	26.41					
160					58.3	.11	.013	15.92									
165	Hematite, magnetite and martite – with considerable fine impregnated quartz.				57.4	.10	.016	17.06									
170					58.2	.07	.014	15.64									
175					58.9	.08	.010	14.25	57.4	.08	.014	16.83	.09	.05	.39	.0011	.50
180					58.0	.08	.017	16.13									
185					55.6	.08	.013	19.56									
190					55.5	.05	.014	19.63									
195					49.5	.07	.009	27.71									
200					47.6	.08	.012	29.86									
205	Well enriched quartzose I.F. –				50.5	.08	.009	26.87									
210					47.0	.07	.014	31.66	48.4	.07	.012	29.65					
215					47.8	.06	.013	30.76									
220					48.3	.08	.014	31.04									

REMARKS Leaner material in this hole consists chiefly of martite and magnetite, cemented with a friable quartz matrix which breaks cleanly away on crushing, and therefore could probably be concentrated easily.

FL-305 B

FORM 8C 11

H.N.S.F. Co.

DEPOSIT – FLEMING LAKE No. 3 DISTRICT – Quebec HOLE NO. – FL-306B

LOCATION – 51,509.9N-47,933.5E ELEVATION – 2621.6' DEPTH – 118'

DRILL TYPE – 22 T STARTED – August 2, 1948 COMPLETED – August 5, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface?		6"														
10																	
15																	
20																	
25			Open Hole														
30																	
35																	
40																	
45																	
50	I.F. – well enriched with magnetite, martite and hematite. – Concentrating ore?																
55																	
60																	
65																	
70																	
75																	
80																	
85																	
90																	
95																	
100																	
105																	
110																	
115																	
118																	

REMARKS

No analyses –

FL-306B

H.N.G. Co.

DEPOSIT – FLEMING LAKE No. 3 DISTRICT – Quebec HOLE NO. – FL-307B

LOCATION – 50,685.8N – 43,767.7E ELEVATION – 2555.6' DEPTH – 95'

DRILL TYPE – 27 T STARTED – August 8, 1948 COMPLETED – August 9, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25			Open Hole														
30																	
35																	
40																	
45																	
50	Lean quartzose I.F. –																
55																	
60																	
65																	
70																	
75																	
80																	
85																	
90	Chert and hematite.																
95																	

REMARKS

No analyses –

FL-307B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 3 DISTRICT – Quebec HOLE NO. – FL-308 B

LOCATION – 51,610.4 N – 48,043.4 E ELEVATION – 2610.1' DEPTH – 29'

DRILL TYPE – 22 T STARTED – August 8, 1948 COMPLETED – August 10, 1948 LOGGED – R. Goran

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25	Lean cherty I.F. –		Open Hole														
29																	

REMARKS

No analyses –

FL-308 B

FORM BC 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No.3 DISTRICT – Quebec HOLE NO.– FL-309 B

LOCATION – 50,161.9 N – 49,055.2 E ELEVATION – 2538.6' DEPTH – 127'

DRILL TYPE – 27 T STARTED – August 10, 1948 COMPLETED – August 14, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20	Ore debris				38.6	.11	.041	34.52									
25					49.2	.19	.036	22.64									
30					62.4	.08	.031	8.20									
35			Open		68.0	.07	.025	1.64									
40	Martite and magnetite with minor quartz.		Hole		67.5	.07	.022	2.42									
45					64.4	.08	.022	6.20	65.8	.09	.022	4.59	.10	.05	.21	.007	.56
50					66.4	.10	.020	3.90									
55					67.7	.08	.017	2.64									
60					64.4	.08	.016	7.15									
65	Same – with considerably more fine quartz.–				59.6	.10	.017	14.00									
70					58.2	.08	.018	16.15									
75					59.8	.08	.012	14.64	58.7	.09	.014	15.50	.09	.05	.22	.007	.38
80					57.3	.11	.011	17.22									
85					52.6	.09	.011	23.76									
90	Well enriched I.F.–				55.9	.10	.011	19.70	53.9	.09	.010	22.05	.09	.05	.20	.006	.67
95					53.3	.08	.007	22.70									
100					49.3	.10	.012	28.55									
105					43.0	.08	.014	33.21									
110	Quartzose I.F.– showing less enrichment.				44.3	.11	.016	33.14									
115					41.5	.15	.018	36.78	43.4	.12	.019	34.62					
120					41.9	.18	.034	36.34									
125					40.2	.10	.020	39.71									
127						Missing											

REMARKS

FL-309B

FORM DC 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No.3 DISTRICT – Quebec HOLE NO. – FL-310B

LOCATION – 52,812.4 N – 47,910.7 E ELEVATION – 2624.7' DEPTH – 227'

DRILL TYPE – 22 T STARTED – August 13, 1948 COMPLETED – August 17, 1948 LOGGED – R. Goren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)												
									BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface –	Core	6"														
10																	
15																	
20																	
25	Lean jaspery I.F. –		Open Hole														
30																	
35																	
40																	
45																	
50																	
55																	
60																	
65																	
70																	
75																	
80																	
85																	
90																	
95																	
100																	
105																	
110	Cherty I.F. – showing some enrichment with red hematite.																
115																	
120																	
125																	
130																	
135																	
140																	
145																	
150																	
155																	
160																	
165																	
170																	
175																	
180																	
185																	
190																	
195																	
200																	
205																	
210																	
215																	
220																	
225																	
227																	

REMARKS

No analyses –

FL-310B

FORM 8C 11

H.N.S.E. Co.

DEPOSIT – FLEMING LAKE No. 3 **DISTRICT** – Quebec **HOLE NO.** – FL-311B

LOCATION – 50,085.2N-48,950.7E **ELEVATION** – 2550.8' **DEPTH** – 155'

DRILL TYPE – 22 **STARTED** – August 16, 1948 **COMPLETED** – August 17, 1948 **LOGGED** – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			6"														
10	Surface																
15																	
20																	
25																	
30			Open		43.9	.18	.022	34.36									
35			Hole		40.4	.24	.022	39.72									
40	Quartzose I.F. –				52.2	.08	.029	20.95									
45					49.5	.19	.038	25.79									
50	wall enriched with				48.7	.07	.031	27.50	45.1	.40	.033	30.90					
55					47.9	.32	.035	27.45									
60	hematite and magnetite				40.4	.37	.029	38.58									
65					44.2	.45	.035	32.27									
70					42.2	1.07	.044	32.08									
75					41.8	1.04	.046	30.34									
80					37.5	3.56	.033	35.39									
85					38.6	1.95	.038	38.15									
90	Cherty wall				42.0	.82	.038	35.23									
95					54.2	.13	.077	18.30	41.7	.84	.053	34.00					
100	enriched I.F. –				46.2	.05	.069	27.33									
105					45.2	.08	.069	28.80									
110					37.8	.05	.055	46.47									
115					32.0	.05	.046	48.27									
120					29.5	.21	.053	50.99									
125					29.0	.03	.037	51.57									
130	Slate? –				31.5	.03	.053	49.15									
135					30.2	.03	.080	51.72	32.1	.11	.086	47.41					
140	with much kaolin.				29.6	.32	.078	50.69									
145					30.1	.08	.098	49.72									
150					35.3	.08	.129	41.89									
155					41.8	.10	.156	33.52									

REMARKS

FL-311B

FORM EC 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 3 DISTRICT – Quebec HOLE NO. – FL-312B

LOCATION – 50,166.1N – 49,175.4E ELEVATION – 2523.9' DEPTH – 70'

DRILL TYPE – 27 T STARTED – August 17, 1948 COMPLETED – August 18, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20			Open														
25			Hole														
30																	
35																	
40																	
45																	
50																	
55																	
60																	
65	Quartzose I.F. – enriched in silky magnetite.																
70																	

REMARKS

No analyses

FL-312B

FORM 2611

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 3 DISTRICT – Quebec HOLE NO. – FL-313B

LOCATION – 51,408.3N – 47,823.6E ELEVATION – 2632.5' DEPTH – 215'

DRILL TYPE – 27 T STARTED – August 18, 1948 COMPLETED – August 21, 1948 LOGGED – R. Goren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"		47.3	.05	.040	27.40									
10					47.4	.05	.042	27.46									
15	Hematite and martite with quartz.				54.3	.03	.047	19.40	53.7	.03	.047	19.41	.09	.05	.80	.008	2.25
20			Open		53.1	.03	.047	19.42									
25			Hole		53.3	.03	.060	20.52									
30					55.8	.03	.053	15.70									
35	About same – with				53.5	.03	.047	21.71									
40	more fine				50.0	.03	.060	25.58	52.3	.03	.057	21.40	.08	.04	.21	.010	3.23
45	impregnated quartz.				53.2	.03	.047	21.52									
50					50.0	.05	.053	23.04									
55					50.4	.03	.053	21.76									
60					48.2	.06	.054	26.45									
65					48.2	.03	.051	26.42									
70					45.3	.03	.051	30.96									
75					44.9	.05	.047	39.37									
80					47.0	.03	.049	25.08									
85					48.0	.04	.051	22.72									
90					52.3	.04	.068	17.16									
95					52.1	.07	.064	17.99									
100					49.0	.05	.060	22.90									
105					47.2	.06	.057	25.59									
110					49.0	.03	.070	22.64									
115	I.F. – well enriched				52.4	.08	.083	16.90									
120					47.9	.04	.049	24.87									
125	with				48.6	.05	.051	24.47									
130					51.5	.05	.064	20.39	48.8	.06	.060	24.59					
135	hematite, limonite				51.7	.05	.068	19.33									
140					51.1	.10	.066	20.39									
145	and goethite.				44.4	.05	.055	31.56									
150					44.8	.08	.055	30.78									
155					46.9	.05	.060	27.47									
160					50.7	.08	.062	22.05									
165					50.1	.05	.060	22.78									
170					50.0	.08	.059	22.78									
175					42.0	.08	.064	24.85									
180					49.2	.13	.058	24.82									
185					48.9	.10	.062	25.36									
190					50.7	.10	.057	23.43									
195					51.4	.13	.062	21.51									
200					49.0	.08	.075	23.48									
205					48.6	.05	.074	25.72									
210					44.8	.15	.049	31.21									
215					48.8	.10	.074	25.33									

REMARKS

FL-313B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 3 DISTRICT – Quebec HOLE NO. – FL-314B

LOCATION – 49,727.6 N – 49,469.1 E ELEVATION – 2529.2' DEPTH – 62'

DRILL TYPE – 22 T STARTED – Sep. 15, 1948 COMPLETED – Sep. 16, 1948 LOGGED – R. Geran

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)												
									BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25																	
30																	
35																	
40	Cherty I.F. – enriched with painty red hematite.																
45																	
50																	
55																	
60																	
62																	

REMARKS

No analyses –

FL-314B

4056 Twp

(Blk 03)

FORM BC 11

H.N.S.F.Co.

DEPOSIT – FLEMING LAKE No. 6 DISTRICT – Quebec HOLE NO. – FL-601

LOCATION – 48,189.2 N – 61,014.3 E ELEVATION – 2119.9' DEPTH – 202'

DRILL TYPE – Sullivan STARTED – July 11, 1948 COMPLETED – July 13, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10																	
15																	
20																	
25					41.3	.19	.073	30.19									
30	Vuggy blue-red hematite and quartz				56.0	.13	.103	10.05	50.5	.12	.123	15.96	.08	.05	3.18	.016	6.67
35					44.9	.10	.142	21.88									
40	Quartzite – Grains well rounded				6.3	.05	.025	82.91									
45					5.4	.05	.023	85.25									
50					5.2	.05	.018	86.37	8.2	.05	.045	79.92					
55					8.2	.03	.042	78.90									
60					3.8	.03	.040	88.39									
65					20.3	.10	.122	57.70									
70	Sheared painty red hematite – with well rounded quartz grains				52.3	.08	.162	11.17									
75					54.0	.10	.235	9.89									
80					55.6	.08	.134	9.54									
85					56.5	.08	.123	11.16									
90					53.8	.11	.103	13.71									
95					53.2	.13	.105	13.00									
100					53.6	.08	.077	12.03	53.1	.09	.104	12.50	.07	.04	3.71	.018	6.14
105					52.1	.08	.069	13.30									
110					49.9	.16	.065	15.36									
115					47.6	.08	.054	21.42									
120					55.3	.08	.046	10.50									
125					55.6	.05	.064	9.51									
130					51.5	.10	.117	12.53									
135					52.4	.05	.108	11.90									
140	Friable – sheared red hematite with kaolin and quartz				46.8	.05	.048	22.57									
145					52.0	.05	.044	17.23	48.6	.05	.049	20.10					
150					47.1	.06	.055	20.50									
155	Enriched cherty I.F.				40.1	.06	.063	33.76									
160					41.4	.10	.169	29.20									
165					41.5	.11	.130	31.30									
170					38.1	.05	.090	35.85	40.6	.11	.128	32.27					
175			B.X.		41.1	.05	.105	32.25									
180					40.8	.24	.172	32.46									
185					41.3	.16	.166	31.10									
190	Chert and hematite.				29.8	.19	.070	51.00									
195					16.5	.53	.040	71.72									
200					39.7	.51	.099	36.65	30.7	.40	.074	49.24					
202					37.8	.32	.088	37.61									

MINISTÈRE DES MINES, QUÉBEC
SERVICE DES GÎTES MINÉRAUX
No GM- HC6-A

REMARKS Started on old churn drill hole FL 602c.
First 10' cleaning out old hole.

FL-601

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 6 DISTRICT – Quebec HOLE NO. – FL-602

LOCATION – 48,591.8 N – 60,598.8 E ELEVATION – 2125.0' DEPTH – 198'

DRILL TYPE – Sullivan STARTED – July 15, 1948 COMPLETED – July 20, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10					39.2	.21	.081	31.20									
15					57.4	.19	.185	6.09									
20					57.9	.21	.151	6.18									
25	Sheared?				56.8	.26	.140	8.05									
30	Hard vuggy brown goethite with some quartz and kaolin.				57.4	.22	.156	7.38									
35					55.4	.23	.107	9.70	56.9	.22	.137	7.69	.08	.04	.73	.008	9.29
40					53.4	.16	.126	13.53									
45					55.1	.18	.117	10.13									
50					57.0	.31	.128	6.75									
55					59.8	.26	.124	3.37									
60					59.0	.19	.138	5.74									
65					54.3	.05	.096	14.32									
70	Refractory brown goethite with considerable quartz				56.4	.06	.111	10.71									
75					47.1	.08	.124	24.00	53.5	.10	.106	14.72	.10	.04	1.42	.009	6.85
80					55.8	.13	.102	11.42									
85					53.9	.18	.098	13.16									
90					57.4	.21	.110	7.59									
95					58.2	.21	.113	6.09									
100					57.7	.16	.120	6.48									
105	Vuggy brown goethite with minor quartz and chert.		B.X.		59.4	.16	.123	4.26									
110					59.4	.13	.223	4.30	58.6	.14	.110	5.85	.10	.03	1.44	.010	8.36
115					59.6	.08	.138	5.90									
120					58.4	.16	.064	6.12									
125					56.7	.13	.047	7.82									
130					59.3	.10	.073	4.90									
135					59.6	.11	.084	5.05									
140	Pairtier, with more quartz				56.1	.08	.077	10.72									
145					55.7	.14	.121	11.40	55.9	.11	.099	11.06	.10	.03	1.47	.012	7.10
150					38.7	.08	.084	36.84									
155					39.8	.08	.080	34.53									
160					41.4	.08	.054	31.66									
165					28.7	.05	.032	54.03									
170	Leary charty and quartzose I.F.				24.8	.06	.030	59.06									
175					32.7	.05	.040	47.62	35.4	.06	.053	42.10					
180					32.1	.08	.056	47.04									
185					40.5	.05	.056	34.42									
190					36.3	.06	.049	40.27									
195					34.7	.05	.046	42.71									
198					39.5	.05	.047	35.52									

REMARKS

FL-602

Form 8c 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 6 DISTRICT – Quebec HOLE NO. – FL-603

LOCATION – 47,830.1 N – 61,521.0 E ELEVATION – 2116.0' DEPTH – 130'

DRILL TYPE – Sullivan STARTED – July 14, 1948 COMPLETED – July 22, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface	CASE	N.X.														
10					24.2	.18	.051	50.12									
15					44.3	1.04	.182	22.57									
20					49.2	.32	.138	18.40									
25	Vuggy brown goethite with some fine angular quartz.				55.9	.24	.158	8.37									
30					56.2	.21	.131	8.69	56.7	.19	.138	7.67	.10	.04	.69	.010	9.04
35					57.9	.13	.125	5.96									
40	Same – with considerably more angular quartz.				52.9	.66	.075	11.48									
45					50.6	.27	.138	16.04	51.7	.41	.112	14.12	.10	.04	.71	.007	9.22
50					51.7	.32	.122	14.83									
55	Vuggy brown goethite with minor quartz.				54.5	.75	.115	9.30									
60					56.8	.62	.127	6.25									
65					57.4	.51	.120	4.82									
70					57.3	.53	.134	5.22	56.9	.37	.157	6.14	.09	.04	.56	.008	10.02
75					58.0	.16	.178	4.96									
80					56.1	.13	.272	7.19									
85					57.7	.08	.162	5.20									
90					57.7	.16	.145	6.16									
95	I.F. – enriched with limonite.				47.6	.10	.116	21.09									
100					46.6	.10	.168	23.66	47.1	.10	.142	22.38	.09	.04	.80	.005	8.27
105	Refractory brown goethite – with minor quartz and chert.				59.1	.10	.190	3.56									
110					58.1	.13	.187	5.50									
115			B.X.		59.1	.10	.222	3.50	58.2	.13	.188	5.22	.10	.05	.69	.010	9.30
120					55.2	.21	.160	9.40									
125					59.5	.10	.180	4.13									
130						MISSING											

REMARKS

FORM BC 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No.6 DISTRICT – Quebec HOLE NO. – FL-604

LOCATION – 49,042.9N-60,202.1E ELEVATION – 2126.0' DEPTH – 190'

DRILL TYPE – Sullivan STARTED – July 21, 1948 COMPLETED – July 27, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10																	
15																	
20					26.4	.15	.044	48.94									
25					34.1	.04	.054	43.41									
30					39.5	.04	.065	34.66									
35					46.0	.10	.083	22.96									
40					50.4	.04	.096	18.70									
45					41.7	.05	.069	32.56									
50					38.5	.05	.083	35.70									
55					43.6	.04	.085	27.80									
60					36.5	.04	.064	38.20									
65					46.5	.05	.103	21.35									
70					32.6	.07	.067	45.80									
75					31.6	.05	.069	47.66									
80					41.3	.06	.069	31.08									
85	Cherty I.F. –				43.6	.08	.091	27.88									
90					40.0	.04	.071	35.03									
95	with some goethite				34.6	.08	.078	43.71									
100					27.1	.05	.056	56.10	34.7	.06	.093	41.90					
105	and hematite				23.4	.05	.076	60.90									
110					28.5	.08	.201	51.66									
115	enrichment. –				27.8	.08	.245	53.38									
120					36.7	.06	.245	39.80									
125					45.6	.05	.223	25.74									
130					30.0	.11	.116	50.25									
135					32.2	.05	.120	47.49									
140					30.0	.05	.073	50.04									
145					42.6	.06	.080	30.20									
150			B.X.		36.5	.04	.091	37.35									
155					34.4	.05	.082	38.51									
160					31.2	.11	.073	47.44									
165					33.3	.05	.083	42.79									
170					34.8	.04	.071	40.18									
175					30.6	.05	.071	46.85									
180					15.9	.04	.045	2.20									
185					27.8	.05	.060	53.74									
190					19.9	.05	.053	66.33									

REMARKS

FL-604

FORM DC 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No.6 DISTRICT – Quebec HOLE NO.– FL-605

LOCATION – 47,478.6N-62,013.0E ELEVATION– 2101.2' DEPTH – 150'

DRILL TYPE – Sullivan STARTED – July 23, 1948 COMPLETED – July 24, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT.	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10																	
15																	
20																	
25																	
30																	
35																	
40																	
45																	
50																	
55																	
60																	
65																	
70																	
75	Pure white and grey quartzite.																
80																	
85																	
90																	
95																	
100																	
105																	
110																	
115																	
120																	
125																	
130																	
135																	
140																	
145																	
150																	

REMARKS

No analyses –

FL-605

FORM BC 11

H.N.S.E.C.

DEPOSIT – FLEMING LAKE No.6 DISTRICT – Quebec HOLE NO. – FL-606

LOCATION – 47,597.9 N – 62,124.6 E ELEVATION – 2095.5' DEPTH – 65'

DRILL TYPE – Sullivan STARTED – July 25, 1948 COMPLETED – July 27, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface	BX	N.X.														
10																	
15																	
20																	
25	Slightly enriched quartzite. –																
30																	
35																	
40																	
45																	
50																	
55																	
60																	
65																	

REMARKS

No analyses –

FL-606

FORM 8C11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No.6 DISTRICT – Quebec HOLE NO. – FL-607

LOCATION – 47,720.4 N – 62,203.1 E ELEVATION – 2091.5' DEPTH – 80'

DRILL TYPE – Sullivan STARTED – July 28, 1948 COMPLETED – August 1, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CoO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10																	
15																	
20																	
25																	
30																	
35	Cherty phase of quartzite.																
40																	
45																	
50																	
55																	
60			B.X.														
65																	
70																	
75																	
80																	

REMARKS

No analyses –

FL-607

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 6 DISTRICT – Quebec HOLE NO. – FL-608

LOCATION – 49,687.4 N - 59,167.3 E ELEVATION – 2151.8' DEPTH – 295'

DRILL TYPE – Sullivan STARTED – July 29, 1948 COMPLETED – August 5, 1948 LOGGED – R. Goren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-10	Surface	Casing	N.X.														
10-15																	
15-20																	
20-23																	
23-26	Red + brown goethite with some quartz				55.3	.29	.093	10.64	54.9	1.10	.101	10.27					
26-35					54.5	1.91	.109	9.90									
35-40	Vuggy goethite and limonite – with some quartz.				56.9	2.40	.148	4.02									
40-45					52.2	7.12	.145	3.87	54.9	4.02	1.51	4.36	.09	.03	1.00	.010	8.86
45-50					55.5	2.55	.160	5.20									
50-55	Red hematite and brown goethite with some quartz.				53.3	1.26	.124	11.50									
55-60					57.8	1.76	.152	4.89									
60-65					57.2	2.39	.140	4.69	55.8	1.93	.126	7.87	.10	.04	.91	.009	7.65
65-70					54.7	2.84	.106	8.87									
70-75					55.8	1.42	.106	5.42									
75-80	Brown goethite with coarse quartz.				52.5	5.26	.120	7.25	51.1	5.18	.128	9.24	.08	.04	1.63	.009	6.93
80-85					49.7	5.10	.136	11.24									
85-90	Goethite – and some red hematite, with chert and quartz.				55.0	2.13	.140	8.58									
90-95					55.9	1.05	.198	6.85									
95-100					57.5	1.12	.164	6.66									
100-105					51.7	1.26	.151	6.09									
105-110					55.0	2.47	.124	7.28									
110-115					55.3	2.10	.076	7.57	55.3	1.55	.129	7.74	.09	.04	2.81	.015	6.43
115-120					56.6	1.68	.109	5.93									
120-125					56.3	3.02	.109	5.75									
125-130					54.7	1.66	.121	7.97									
130-135					54.4	.34	.122	9.90									
135-140					50.3	.24	.100	12.51									
140-145	Slaty soft red hematite enriched I.F.				43.2	.45	.109	26.07									
145-150					49.8	.92	.158	16.55	42.2	.52	.126	25.23	.09	.04	5.34	3.05	5.92
150-155					33.5	.21	.111	33.07									
155-160	Hard brown goethite with some chert and quartz.		B.X.		57.1	.87	.104	7.67									
160-165					55.6	.87	.158	9.37									
165-170					57.5	1.60	.119	5.70	56.8	1.32	.120	6.57	.08	.04	1.39	.020	7.64
170-175					56.9	1.92	.100	3.53									
175-180	Same – with some pyrolusite.				55.3	1.87	.085	5.68									
180-185					52.5	5.42	.079	4.80	53.9	3.64	.082	5.24	.08	.04	1.30	.015	9.09
185-190	Slaty and refractory goethite and hematite with some quartz and chert.				57.5	1.21	.062	4.54									
190-195					58.2	1.18	.089	3.27									
195-200					56.4	.59	.092	8.01									
200-205					57.5	.29	.100	6.24									
205-210					59.7	.24	.081	3.90									
210-215					59.8	.29	.077	3.44									
215-220					58.7	.29	.081	4.23									
220-225					53.5	3.70	.092	4.74	56.9	.89	.103	6.46	.09	.04	1.17	.016	8.11
225-230					59.6	.55	.081	3.93									
230-235					55.6	.81	.079	6.85									
235-240					48.2	.32	.085	23.82									
240-245					55.3	1.34	.147	7.26									
245-250					58.5	1.44	.115	4.91									
250-255					58.2	.42	.120	6.44									
255-260			A.X.		57.8	.63	.241	5.38									
260-265	Refractory hematite – with considerable hematite and some quartz.				40.6	13.52	.104	8.66									
265-270					36.1	19.23	.096	9.14									
270-275					46.8	8.50	.102	7.73									
275-280					40.2	16.35	.132	5.58									
280-285					50.0	5.55	.143	7.90	46.1	9.94	.112	7.98	.09	.05	2.04	.022	7.17
285-290					47.8	8.15	.096	8.24									
290-295					51.5	5.18	.102	9.58									
295					55.5	3.06	.115	7.03									

REMARKS

0-30' known as FL 609 c

FL-608

FORM BC 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No.6 DISTRICT – Quebec HOLE NO.– FL-609

LOCATION – 48,933.3N–60,117.6E ELEVATION – 2127.0' DEPTH – 186'

DRILL TYPE – Sullivan STARTED – August 3, 1948 COMPLETED – August 9, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10																	
15																	
20					28.5	13.36	.111	29.43									
25	Goethite, manganite and pyrolusite – with minor quartz.				35.5	19.97	.170	9.49									
30					49.1	7.33	.153	7.45	46.9	10.35	.163	7.36	.09	.05	2.61	.007	6.62
35					56.1	3.76	.166	5.15									
40					60.1	.86	.170	4.55									
45	Pasty and red stained goethite with some kaolin.				60.3	.70	.147	5.27									
50					60.7	.49	.142	4.78	60.4	.49	.154	5.00	.08	.05	2.28	.007	4.00
55					60.8	.11	.158	5.11									
60					60.3	.29	.151	5.31									
65					54.2	4.48	.204	6.26									
70					55.1	2.11	.234	7.00									
75	Fissile red-blue hematite – with some goethite, kaolin and chert.				52.6	.58	.217	12.97									
80					53.0	4.04	.244	7.27									
85					56.1	3.20	.228	4.27	54.9	2.75	.236	6.77	.10	.04	1.60	.008	7.91
90					58.1	1.36	.270	4.70									
95					56.3	2.30	.262	5.76									
100					53.9	3.90	.230	5.94									
105	Refractory brown goethite – with minor quartz.				59.1	.42	.162	5.76									
110					58.1	1.33	.570	3.85									
115					59.1	.91	.517	3.81	58.9	.80	.437	4.30	.09	.05	.83	.008	7.84
120					59.2	.53	.500	3.77									
125	Same – with some unleached fragments.				51.4	1.15	.194	14.89									
130					52.0	.08	.357	14.85	51.7	.62	.276	14.87	.09	.05	1.82	.008	6.57
135					46.5	.16	.204	22.95									
140					34.8	.26	.121	42.58									
145	Cherty I.F. – enriched with goethite.				43.8	.42	.066	28.15									
150			B.X.		43.6	.15	.055	29.20	41.2	.23	.086	31.90					
155					38.1	.13	.066	36.81									
160					39.8	.11	.057	36.26									
165					41.9	.05	.055	31.10									
170					41.3	.55	.060	28.14									
175	Chert and goethite.				32.2	.36	.062	44.20									
180					38.9	.55	.081	35.05	36.1	.54	.068	38.91					
185	Enriched quartzite.				37.1	.70	.061	36.18									
186																	

REMARKS

FL-609

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No.6 DISTRICT – Quebec HOLE NO. – FL-610

LOCATION – 49,268.6 N – 59,750.6E ELEVATION – 2131.6' DEPTH – 207'

DRILL TYPE – Sullivan STARTED – August 1, 1948 COMPLETED – August 14, 1948 LOGGED – R. Geran

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on ignition
0-5	Surface		N.X.														
10																	
15																	
20																	
25																	
30	Pairty red hematite with some pyrolusite				56.4	1.10	.157	9.56	55.6	3.18	.152	7.24	.10	.04	2.13	.007	5.14
35	Same –				54.9	5.25	.148	4.92									
40					58.4	1.25	.235	5.85	59.4	.91	.286	5.38	.10	.03	2.30	.006	4.79
45					60.5	.57	.338	4.91									
50	Hard red hematite with minor quartz				59.5	2.43	.356	3.78	58.4	2.96	.282	4.50	.09	.05	1.54	.007	4.88
55					57.4	3.50	.208	5.21									
60					59.2	.26	.140	6.80									
65	Pairty red hematite with considerable kaolin and quartz.				46.9	.08	.097	22.00									
70					50.3	.08	.111	17.30	50.4	.18	.106	16.75	.10	.04	3.68	.009	5.67
75					48.3	.16	.101	17.54									
80					49.1	.23	.097	16.63									
85					48.4	.24	.092	20.23									
90	Harder hematite with some quartz.				58.0	.31	.117	8.67									
95					58.6	1.31	.104	5.76	56.9	1.21	.106	6.33	.09	.04	1.53	.007	6.33
100					54.2	2.02	.096	10.56									
105	Enriched quartzose I.F.				40.0	6.14	.067	25.68	45.0	4.06	.086	23.00	.10	.05	3.68	.006	5.85
110					50.1	1.98	.104	20.33									
115	Refractory brown goethite – with some quartz and chert. –				55.0	1.82	.085	9.88									
120					52.8	1.17	.095	12.34									
125					57.5	1.59	.097	6.17									
130					53.0	2.86	.086	11.03									
135					55.1	1.05	.097	10.36	54.2	1.76	.094	10.77	.10	.04	1.89	.011	6.16
140					55.1	1.57	.095	10.48									
145					54.8	1.78	.094	10.03									
150					50.1	2.27	.099	15.90									
155	Blue and brown hematite – with some quartz.				45.9	12.00	.057	7.09									
160					51.4	7.82	.143	6.00									
165					57.5	1.23	.159	6.55	52.8	5.73	.160	7.44	.09	.05	1.85	.014	6.76
170					56.5	6.80	.228	8.39									
175					53.3	.81	.213	9.16									
180	Slaty I.F. – enriched with goethite.		B.X.		46.3	.44	.161	23.90									
185					40.8	.19	.122	30.18									
190					29.7	.10	.064	48.54	32.2	.02	.082	45.34					
195					25.5	.11	.050	56.39									
200					29.5	.11	.051	49.69									
205					21.7	.42	.046	63.36									
207																	

REMARKS

FL-610

FORM 8CH

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 6 DISTRICT – Quebec HOLE NO. – FL-611

LOCATION – 49,799.1 N – 59,277.9 E ELEVATION – 2136.8' DEPTH – 291'

DRILL TYPE – Sullivan STARTED – August 6, 1948 COMPLETED – August 15, 1948 LOGGED – R. Goran

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10																	
15																	
20																	
25																	
30	I.F. – well enriched with hard red hematite and much fine quartz.				32.8	.23	.034	48.08	49.6	.79	.061	27.00	.05	.05	.26	.009	4.84
35					55.5	.29	.044	13.65									
40					50.0	.55	.048	21.20									
45					44.7	1.02	.046	27.88									
50					47.5	1.12	.046	23.30									
55					50.2	.15	.060	21.98									
60	Fairly and cherty hematite with some quartz.				52.6	.10	.053	19.28	54.8	.27	.073	15.41	.10	.04	1.02	007	3.73
65					57.9	.18	.081	12.20									
70					59.5	.26	.078	9.09									
75					50.1	.42	.086	20.00									
80					54.0	.39	.069	16.46									
85	I.F. – very cherty; enriched with some quartz.				50.7	.18	.055	23.42	39.3	.55	.046	38.13					
90					38.2	.21	.032	42.22									
95					47.8	.31	.042	27.87									
100					50.0	.34	.055	24.60									
105					29.0	.47	.039	54.82									
110					44.2	1.10	.053	29.48									
115					34.5	.15	.065	42.97									
120					32.0	.10	.037	47.05									
125					43.5	.63	.046	31.82									
130					16.4	.73	.026	71.57									
135					42.3	.63	.034	33.17									
140					43.0	1.78	.067	28.60									
145	Vuggy goethite and psilomelane with considerable quartz.				51.9	1.65	.132	12.93	46.0	8.93	.134	13.57	.08	.06	.90	.011	4.94
150					48.3	4.02	.161	18.08									
155					49.5	7.76	.087	12.05									
160					48.8	8.79	.069	11.48									
165					45.5	14.33	.067	10.36									
170			B.X		38.9	19.78	.085	6.28									
175					39.1	7.61	.203	23.82									
180					46.0	7.50	.272	13.56									
185	Refractory goethite with some coarse quartz				55.3	2.20	.316	7.31	55.3	1.42	.307	8.63	.09	.05	.35	.009	8.28
190					55.1	.94	.396	9.04									
195					55.4	1.12	.208	9.54									
200	Hard brown goethite with some pyrolusite				49.0	2.54	.341	15.22	45.2	2.81	.281	21.32	.08	.06	.59	.013	7.81
205					41.3	3.08	.222	27.41									
210	Goethite and hematite with quartz, chert and kaolin				52.9	3.50	.247	8.42	52.0	1.76	.217	14.81	.08	.06	1.02	.013	6.48
215					53.2	2.12	.210	13.28									
220					53.2	1.96	.196	13.74									
225					51.8	.73	.118	17.74									
230					50.0	.61	.178	19.90									
235					51.0	1.62	.355	15.76									
240	Same –				48.2	9.22	.192	9.66	48.7	5.76	.204	13.85	.08	.05	1.07	.007	5.87
245					49.2	2.30	.217	18.04									
250	Cherty I.F. – showing some fairly hematite enrichment.				45.7	2.90	.205	21.92	46.4	1.26	.179	22.80	.07	.05	.73	.007	6.18
255					49.3	1.18	.244	19.44									
260					48.3	.65	.177	21.11									
265					42.2	.31	.090	28.71									
270	Brown hematite and goethite – with some chert, quartz and kaolin.				51.0	.39	.104	18.36	56.2	1.20	.090	10.16	.07	.05	1.11	.016	5.67
275					58.1	.58	.089	8.52									
280					56.1	.76	.085	10.81									
285					57.2	.84	.072	9.60									
290					59.7	.65	.080	6.22									
291					55.0	4.00	.108	7.46									

REMARKS

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No.6 **DISTRICT** – Quebec **HOLE NO.** – FL-612

LOCATION – ~~51,002.9N - 57,714.2E~~ **ELEVATION** – 2188.9' **DEPTH** – 145'

DRILL TYPE – Sullivan **STARTED** – August 15, 1948 **COMPLETED** – **LOGGED** – R. Gerar

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface-		N.X														
10																	
15																	
20																	
25																	
30	Refractory brown goethite with chert and quartz				52.8	.07		16.88	51.2	.06		18.86					
35					49.6	.06		20.84									
40	I.F. – well enriched with pointy red hematite.				45.2	.19	.166	24.64	46.3	.11	.182	25.58					
45					47.4	.10	.276	21.72									
50					47.2	.05	.218	22.64									
55					45.4	.07	.138	24.62									
60					46.5	.16	.113	24.30									
65	Cherty I.F. – showing less enrichment.				32.2	.06	.082	45.28	34.4	.10	.170	38.57					
70						Missing											
75						"	"										
80					48.2	.08	.082	20.30									
85					35.0	.09	.100	43.21									
90					32.1	.03	.071	48.35									
95					31.4	.08	.067	48.87									
100					13.3	.05	.060	69.06									
105					31.0	.08	.062	46.09									
110					19.2	.05	.064	64.74									
115					38.0	.10	.158	34.56									
120					45.9	.13	.249	22.00									
125					39.3	.19	.209	18.26									
130					44.0	.16	.550	13.09									
135					38.0	.11	.454	27.55									
140	Quartzite-				25.2	.05	.240	50.53	20.2	.05	.181	58.78					
145					15.2	.05	.120	67.02									

REMARKS Deepening FL 121c from 35'

FL-612

FORM 8C11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 6 DISTRICT – Quebec HOLE NO. – FL-613

LOCATION – 51,002.9 N – 57,714.2 E ELEVATION – 2188.9' DEPTH – 115'

DRILL TYPE – Sullivan STARTED – August 17, 1948 COMPLETED – August 20, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface –		N.X.														
10																	
15																	
20	Brown goethite with surface contamination.				50.0	.48	.032	17.64	50.0	.32	.034	18.24	.07	.05	2.53	.011	5.48
25					50.0	.16	.037	18.85									
30	Brown goethite with some quartz and chert.				56.2	.19	.050	9.92									
35					58.5	.08	.044	7.02	57.4	.12	.048	8.30	.08	.05	2.32	.009	5.81
40					57.5	.08	.050	7.97									
45	Slaty goethite with more quartz.				52.3	.37	.089	13.15	52.1	.24	.053	13.96	.07	.05	2.25	.009	7.05
50					51.9	.10	.077	14.78									
55	I.F. – enriched with painty red hematite.				42.6	.10	.071	29.14									
60					39.5	.08	.054	34.94									
65					43.0	.05	.025	30.47									
70					47.1	.08	.040	22.53									
75					44.9	.05	.067	26.65	41.5	.73	.066	29.70					
80					41.2	.10	.060	30.79									
85					36.0	.12	.073	37.25									
90					36.7	.18	.136	37.64									
95					43.0	2.42	.067	23.91									
100					41.3	4.10	.062	23.67									
105	Limonitic stained goethite – with some pyrolusite.		B.X.		47.9	2.76	.033	15.30									
110					51.8	2.42	.042	10.13	51.6	2.57	.040	11.95					
115					55.0	2.52	.046	10.42									

REMARKS

FL-613

Form 20-11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No.6 DISTRICT – Quebec HOLE NO.– FL-614

LOCATION – 50,172.5 N–58,743.9 E ELEVATION – 2144.7' DEPTH – 255'

DRILL TYPE – Sullivan STARTED – August 20, 1948 COMPLETED – August 25, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10																	
15																	
20																	
25					44.1	.14	.103	26.92									
30	Fairly hematite with some limonite and quartz.				53.3	.12	.137	14.15									
35					58.6	.10	.160	8.45									
40					60.5	.10	.170	7.03									
45					63.8	.07	.098	5.74									
50					56.6	.10	.107	12.98									
55					60.7	.10	.098	9.30									
60					63.0	.07	.081	6.32									
65					61.1	.07	.077	8.60	60.0	.09	.110	9.34	.08	.03	2.10	.010	2.24
70					63.1	.07	.073	6.70									
75					60.0	.07	.071	10.20									
80					60.8	.12	.092	8.55									
85					60.5	.12	.089	9.20									
90					59.6	.14	.105	10.16									
95					61.6	.10	.110	7.73									
100					57.1	.05	.187	14.92									
105	Same with much coarse quartz				40.6	.05	.171	36.98	40.6	.05	.171	36.98					
110	Fairly hematite and goethite – with some quartz and chert.				50.7	.05	.232	16.90									
115					52.9	.10	.176	14.44									
120					50.8	.12	.130	14.26									
125					53.8	.07	.150	12.43	52.7	.08	.160	13.89	.07	.03	3.55	.017	5.55
130					54.5	.07	.125	11.20									
135					50.3	.07	.148	17.69									
140					56.1	.05	.162	10.32									
145	Too much coarse quartz				44.9	.05	.179	23.97	44.9	.05	.179	23.97					
150	Goethite and fairly hematite with coarse quartz.				51.0	.12	.180	16.07									
155					52.5	.10	.215	14.86	51.0	.15	.183	14.81	.07	.05	3.61	.014	6.13
160					49.5	.24	.153	13.49									
165	Refractory goethite with much quartz and chert. I.F. –				43.3	.05	.158	26.20									
170					49.7	.12	.187	13.92									
175					50.3	.12	.162	14.65									
180					44.3	.12	.144	23.95	45.5	.12	.117	23.54					
185					44.2	.19	.069	27.15									
190					37.9	.12	.046	38.62									
195					48.9	.12	.050	20.30									
200	Same – with considerably less quartz.				56.1	.07	.027	11.69	54.6	.08	.028	13.92	.07	.04	.27	.015	6.66
205					53.0	.09	.030	16.16									
210	Slaty red hematite – with some quartz and chert.				55.7	.14	.077	10.91									
215					57.1	.07	.130	8.37	57.3	.10	.108	8.60					
220					59.1	.10	.116	6.52									
225	I.F. – enriched with goethite.				41.3	.15	.116	29.38									
230					50.9	.10	.171	17.92									
235					42.1	.09	.208	32.08	44.0	.22	.153	27.88					
240					43.8	.07	.169	29.25									
245					41.9	.68	.100	30.79									
250	Cherty I.F. –				33.7	.92	.108	42.25	34.6	.54	.124	42.76					
255					35.5	.15	.139	43.26									

REMARKS

FL-614

Form 61-11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No.6 DISTRICT – Quebec HOLE NO. – FL-601B

LOCATION – 51,725.8 N – 57,245.0 E ELEVATION – 2197.9' DEPTH – 75'

DRILL TYPE – 22 T STARTED – July 4, 1948 COMPLETED – July 5, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0–5	Surface	Drill Cuttings	6"														
10																	
15																	
20																	
25																	
30	Refractory brown goethite with some pyrolusite and considerable quartz.		Open Hole		46.0	3.82	.227	19.00									
35					43.9	2.60	.178	25.04									
40					49.4	2.55	.171	15.87									
45					47.1	3.26	.136	18.52									
50					49.1	2.62	.144	17.32									
55					41.6	9.74	.115	16.71	45.2	4.54	.154	19.73	.08	.06	.60	.010	6 91
60					43.8	6.80	.124	20.16									
65					46.0	4.10	.171	20.01									
70					42.7	4.38	.144	23.40									
75					42.8	5.50	.134	21.30									

REMARKS

0–25' known as FL 614c

FL-601B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 6 DISTRICT – Quebec HOLE NO. – FL-602 B

LOCATION – 51,610.5 N – 57,137.3 E ELEVATION – 2212.8' DEPTH – 103'

DRILL TYPE – 22 T STARTED – July 6, 1948 COMPLETED – July 8, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	BLUDGE WT	ANALYSES (DRY)												
									BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20	I.F. – well enriched with refractory brown goethite.				27.2	.32	.052	45.66									
25					49.8	.88	.118	17.84	49.1	.84	.137	18.08					
30			Open		48.2	1.31	.138	18.06									
35			Hole		49.4	.40	.154	18.35									
40					39.4	.21	.120	35.02									
45					39.2	.08	.090	35.95									
50					37.2	.08	.075	38.37									
55					38.3	.10	.081	35.74									
60					35.9	.11	.053	41.53									
65	Cherty I.F. –				34.1	.16	.050	43.96	35.8	.37	.092	39.92					
70					33.3	.10	.053	45.05									
75					31.9	.86	.066	44.43									
80					33.0	.77	.123	43.40									
85					34.9	.72	.158	38.03									
90					37.0	.51	.142	37.63									
95	Slaty brown goethite –				44.6	.24	.086	27.37									
100	near ore –				50.6	.26	.068	18.74	47.6	.25	.077	23.06					
103						MISSING											

REMARKS

FL-602B

REMARKS

FL-607B

FORM 8C 11

H.N.S.F.Co.

DEPOSIT – FLEMING LAKE No.6 DISTRICT – Quebec HOLE NO. – FL-603B

LOCATION – 51,514.9 N – 57,039.4E ELEVATION – 2224.2 DEPTH – 45'

DRILL TYPE – STARTED – July 8, 1948 COMPLETED – July 10, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface	CASED	6"														
10																	
15																	
20	Well enriched cherty I.F.		Open Hole														
25																	
30																	
35																	
40																	
45																	

REMARKS

No analyses –

FL-603B

FORM BC 11

H.N.S.F. Co.

DEPOSIT – FLEMING LAKE No. 6 DISTRICT – Quebec HOLE NO. – FL-604 B

LOCATION – 51,392.3 N – 56,944.7 E ELEVATION – 2222.4' DEPTH – 20'

DRILL TYPE – 22 T STARTED – July 10, 1948 COMPLETED – July 10, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15	Enriched quartzite																
20																	

REMARKS

No analyses –

FL-604 B

FORM 3C 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No.6 DISTRICT – Quebec HOLE NO. – FL-605 B

LOCATION – 51,099.3 N – 57,767.6 E ELEVATION – 2185.2' DEPTH – 64'

DRILL TYPE – 22 T STARTED – July 11, 1948 COMPLETED – July 12, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20					25.6	.55	.048	48.04									
25	Refractory black and brown goethite, with considerable quartz.		Open Hole		49.7	.19	.127	18.34									
30					54.6	.19	.134	11.31									
35					55.9	.10	.120	9.60									
40					53.9	1.04	.130	12.58									
45					55.8	.52	.129	9.56	53.9	.10	.133	10.91	.08	.05	1.27	.017	8.90
50					53.0	3.40	.134	8.68									
55					54.0	2.09	.145	9.50									
60					54.4	.73	.142	7.70									
64						MISSING											

REMARKS

FL-605 B

FORM 3C11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No.6 DISTRICT – Quebec HOLE NO. – FL-606B

LOCATION – 51,213.8 N – 57,851.9 E ELEVATION – 2182.5' DEPTH – 50'

DRILL TYPE – 22 T STARTED – July 13, 1948 COMPLETED – LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15	White quartzite		Open Hole														
20																	
25																	
30																	
35																	
40																	
45																	
50																	

REMARKS

No analyses –

FL-606B

FORM DC 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No.6 DISTRICT – Quebec HOLE NO. – FL-607B

LOCATION – 50,954.5N-57,636.9E ELEVATION – 2191.0' DEPTH – 68'

DRILL TYPE – 22 T STARTED – July 16, 1948 COMPLETED – July 17, 1948 LOGGED – R. Geran

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20					28.4	.37	.067	43.36									
25	Enriched I.F. –		Open		46.2	1.33	.065	17.50									
30	Limonitic stained		Hole		53.4	.82	.058	8.95									
35	goethite with some				54.4	1.28	.056	6.44									
40	chert and quartz				56.6	1.25	.047	4.19	55.0	.97	.054	6.96	.08	.06	2.04	.023	9.56
45					55.6	.53	.053	8.26									
50	Same – with more				50.5	.21	.042	15.80									
55	quartz and chert.				52.7	.24	.049	11.63	51.6	.22	.046	13.72	.07	.06	3.52	.023	7.81
60	Hard brown goethite				54.6	.08	.076	6.77									
65	with some quartz.				56.3	.19	.096	5.84	55.5	.14	.086	7.30	.07	.06	1.82	.020	10.07
68						MISSING											

FORM 8C 11

H.N.S.E. Co.

DEPOSIT – FLEMING LAKE No. 6 DISTRICT – Quebec HOLE NO. – FL-608 B

LOCATION – 50,871.4 N – 57,535.3 E ELEVATION – 2194.5 DEPTH – 45'

DRILL TYPE – 22 T STARTED – July 17, 1948 COMPLETED – July 19, 1948 LOGGED – R. Goren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25	Quartzite		Open Hole														
30																	
35																	
40																	
45																	

REMARKS

No analyses.

FL-608 B

FORM BC 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No.6 DISTRICT – Quebec HOLE NO. – FL-609B

LOCATION – 50,576.0 N – 58,364.2 E ELEVATION – 2159.3' DEPTH – 85'

DRILL TYPE – 22 T STARTED – July 19, 1948 COMPLETED – July 20, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)												
									BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface –		6"														
10																	
15																	
20																	
25																	
30	Enriched cherty I.F. – looks sheared –		Open Hole														
35																	
40																	
45																	
50																	
55																	
60																	
65																	
70	White quartzite –																
75																	
80																	
85																	

REMARKS

No analyses –

FL-609B

DRM 8C 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 6 DISTRICT – Quebec HOLE NO. – FL-610 B

LOCATION – 50,613.1 N – 58,468.3 E ELEVATION – 2155.2' DEPTH – 70'

DRILL TYPE – 22 T STARTED – July 20, 1948 COMPLETED – July 21, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)												
									BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface –		6"														
10																	
15																	
20																	
25			Open														
30			Hole														
35																	
40																	
45																	
50	White quartzite –																
55																	
60																	
65																	
70																	

REMARKS

No analyses –

FL-610B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT - FLEMING LAKE No.6 DISTRICT - Quebec HOLE NO. - FL-611B

LOCATION - 50,476.9 N - 58,290.4 E ELEVATION - 2161.4' DEPTH - 55'

DRILL TYPE - 22 T STARTED - July 21, 1948 COMPLETED - July 22, 1948 LOGGED - R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25	Slightly enriched quartzite.		Open Hole														
30																	
35																	
40																	
45																	
50																	
55																	

REMARKS

No analyses -

FL.-611B

FORM BC 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No.6 DISTRICT – Quebec HOLE NO.– FL-612B

LOCATION – 30,389.2N-58,227.6E ELEVATION – 2165.8' DEPTH – 100'

DRILL TYPE – 22 T STARTED – July 22, 1948 COMPLETED – July 24, 1948 LOGGED – R. Gerer

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20					27.0	.18	.066	46.81									
25	I.F. – enriched with painty red hematite.				43.2	.13	.168	26.90									
30					47.9	.13	.155	19.87									
35						Missing			46.3	.10	.152	23.20					
40						"	"										
45					47.7	.04	.134	22.82									
50	More enriched with less quartz.				53.0	.05	.149	15.11									
55					50.6	.04	.154	17.58									
60					50.2	.10	.151	18.42	51.8	.07	.147	16.03	.08	.05	3.74	.011	4.30
65					55.4	.08	.147	12.39									
70					49.9	.06	.136	16.67									
75	Sheared enriched I.F. – showing some hematite enrichment.		Open		42.0	.05	.134	26.66									
80			Hole		35.6	.05	.119	38.71									
85					39.9	.10	.141	33.71	41.2	.16	.129	30.52					
90					41.1	.18	.136	30.83									
95					44.7	.08	.134	25.30									
100					44.0	.52	.128	27.88									

REMARKS

FL-612B

FORM RC 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No.6 DISTRICT – Quebec HOLE NO. – FL-613B

LOCATION – 50,272.3N – 58,170.1E ELEVATION – 2169.7' DEPTH – 50'

DRILL TYPE – 22T STARTED – July 24, 1948 COMPLETED – July 25, 1948 LOGGED – R. Goran

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)												
									BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface –		6"														
10																	
15			Open Hole														
20																	
25																	
30	Quartzite –																
35																	
40																	
45																	
50																	

REMARKS

No analyses –

FL-613B

Total 195'
Core box numbers 1 to 3

Twp 4055

FORM AC 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 7 DISTRICT – Quebec HOLE NO. – FL-701B

LOCATION – 53,733.3N-48,116.4E ELEVATION – 2663.2' DEPTH – 100'

DRILL TYPE – 22T STARTED – August 10, 1948 COMPLETED – August 11, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10			Open Hole														
15																	
20																	
25																	
30																	
35																	
40	Quartzose I.F. - well enriched with																
45																	
50																	
55																	
60																	
65																	
70																	
75																	
80																	
85																	
90																	
95																	
100																	

MINISTERE DES MINES, QUEBEC
SERVICE DES GITES MINERAUX
No GM- Hol-A

REMARKS

No analyses

FL-701B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 7 DISTRICT – Quebec HOLE NO. – FL-702 B

LOCATION – 53,794.0 N – 48,251.8 E ELEVATION – 2658.8' DEPTH – 95'

DRILL TYPE – .22 T STARTED – August 12, 1948 COMPLETED – August 12, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on ignition
	Surface		6"														
			Open Hole														
	Cherty I.F. – well enriched with painty red hematite.																

REMARKS

No analyses

FL-702 B

Lab. Sheet 565 (Formulae, now ends 15-N 16-W)

TWP 4056 (Block 3)

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 8 DISTRICT – Quebec HOLE NO. – FL-801

LOCATION – 49,552.6 N – 57,570.1 E ELEVATION – 2198.2' DEPTH – 66'

DRILL TYPE – Sullivan STARTED – August 20, 1948 COMPLETED – August 24, 1948 LOGGED – R. Goreu

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X		25.2	.42	.055	45.57									
10	I.F. – enriched with limonite.				39.3	.29	.096	33.12	43.4	.23	.099	26.46					
15					47.6	.18	.102	19.80									
20	Refractory brown goethite – with chert and quartz.				53.0	.13	.102	14.80									
25					51.6	.12	.091	16.24									
30					53.8	.21	.102	10.33	51.7	.16	.102	14.52					
35					49.6	.21	.102	15.74									
40					50.6	.10	.115	15.47									
45	I.F. – well enriched with limonite and goethite.				49.0	.13	.100	18.05									
50					47.0	.11	.110	21.30									
55					45.8	.15	.090	24.26	44.7	.17	.108	24.97					
60					42.2	.19	.092	27.42									
65					38.6	.16	.130	35.39									
66					45.5	.29	.137	23.40									

MINISTÈRE DES MINES, QUÉBEC

SERVICE DES GITES MINÉRAUX

No GM-406-A

REMARKS

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 8 DISTRICT – Quebec HOLE NO. – FL-802

LOCATION – 50,257.6 N – 57,548.4 E ELEVATION – 2194.8' DEPTH – 177'

DRILL TYPE – Sullivan STARTED – August 24, 1948 COMPLETED – August 31, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10																	
15	Slaty well enriched I.F. –																
20																	
25																	
30	Well enriched quartzose I.F. – near lean ore. –				52.0	.24	.041	20.29									
35					51.6	.32	.057	20.75	51.8	.47	.055	19.32					
40					51.8	.85	.066	16.92									
45	Limonite and goethite with some blue hematite and pyrolusite				50.9	4.44	.190	8.40									
50					47.4	4.64	.112	23.45									
55					42.3	1.71	.183	10.51	50.4	4.44	.149	12.78					
60					51.1	3.54	.158	10.95									
65					44.6	9.41	.113	12.62									
70					53.8	2.90	.136	10.77									
75	Painty red hematite with chert and quartz.				53.0	.48	.149	10.85									
80					56.2	.22	.132	9.91	53.6	.42	.133	11.76					
85					51.5	.56	.119	14.52									
90	I.F. – well enriched with refractory red and blue hematite.				39.9	.03	.126	34.55									
95					43.6	.03	.122	28.32									
100					43.1	.14	.122	28.37									
105					45.0	1.81	.187	19.67									
110					41.5	.20	.142	30.51	43.0	.57	.122	27.78					
115					36.1	1.61	.176	35.00									
120					39.6	.59	.112	33.21									
125			BX.		46.2	.22	.092	23.40									
130					44.1	.47	.062	26.72									
135					50.5	.58	.074	18.01									
140	Cherty I.F. – showing less enrichment.				36.4	7.37	.058	27.51									
145					39.2	1.08	.043	21.42									
150					34.0	3.41	.045	44.08									
155					31.8	.05	.060	48.27									
160					31.6	.05	.053	48.35	33.9	2.04	.062	39.55					
165					20.7	.09	.068	63.02									
170					36.4	3.16	.070	35.39									
175					36.1	2.56	.066	36.34									
177					38.8	.50	.102	31.86									

REMARKS

Deepening FL 626c from 25'

FL-802

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No.8 DISTRICT – Quebec HOLE NO. – FL-803

LOCATION – 52,182.0 N – 55,417.0 E ELEVATION – Not known DEPTH – 90'

DRILL TYPE – Sullivan STARTED – Sep. 1, 1948 COMPLETED – Sep. 3, 1948 LOGGED – R. Goren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10																	
15																	
20																	
25	?-Graphite and pyrolusite with some quartz				45.0	8.30	.237	8.85	49.9	6.12	.242	6.17					
30					54.7	3.94	.248	3.49									
35	Same – with more quartz				42.7	4.10	.209	15.69	41.5	6.11	.234	14.47					
40					40.3	8.12	.260	13.25									
45					29.0	12.30	.168	21.04									
50					15.4	4.18	.091	46.64									
55	Lean quartzose I.F. –				9.6	.75	.061	54.94	21.1	3.93	.097	43.55					
60					14.6	1.74	.112	49.86									
65					26.7	3.54	.094	42.60									
70					31.3	1.45	.057	46.22									
75					46.2	.80	.075	29.76									
80	Quartzose I.F. –				33.2	3.46	.068	37.11									
85	fairly well enriched				41.4	.88	.041	38.31	39.2	1.38	.070	35.53					
90					38.8	.40	.096	36.96									

REMARKS

FL-803

FORM 3C 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 8 DISTRICT – Quebec HOLE NO. – FL-801B

LOCATION – 51,197.0 N – 56,719.4 E ELEVATION – 2525.2' DEPTH – 60'

DRILL TYPE – 27 T STARTED – August 29, 1948 COMPLETED – August 30, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"		15.7	.18	.025	61.28									
10					18.3	.22	.028	58.80									
15					19.2	.21	.026	58.23									
20					19.6	.18	.037	55.88									
25					14.6	.18	.069	69.70									
30	Slightly enriched quartzite.				14.5	.37	.121	72.93									
35			Open		14.0	.37	.134	73.86									
40			Hole		15.1	.39	.148	70.94									
45					18.8	.40	.167	63.76	16.8	.39	.144	68.70					
50					18.1	.39	.152	66.89									
55					20.5	.40	.137	63.79									
60						Missing											

REMARKS

FL-801B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No. 8 DISTRICT – Quebec HOLE NO. – FL-802B

LOCATION – 51,090.0N–56,625.0E ELEVATION – Not known DEPTH – 110

DRILL TYPE – 27T STARTED – August 30, 1948 COMPLETED – Sep. 1, 1948 LOGGED – R. Goran

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface	Casing	6"														
10																	
15																	
20																	
25																	
30																	
35	Quartzite – with some chert		Open Hole														
40																	
45																	
50																	
55																	
60																	
65																	
70																	
75	Quartzite or quartzose I. F. – enriched with blue hematite and pyrolusite				39.2	3.44	.069	32.20									
80					47.6	2.44	.052	23.84									
85					40.7	1.77	.045	33.25									
90					42.4	1.42	.034	33.32									
95					42.6	.94	.030	32.40	42.4	1.66	.042	31.65					
100					43.0	.80	.032	32.90									
105					41.5	.78	.034	33.61									
110						MISSING											

REMARKS

FL-802B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – FLEMING LAKE No.8 DISTRICT – Quebec HOLE NO. – FL-803B

LOCATION – 50,930.0 N – 56,532.0 E ELEVATION – Not known DEPTH – 65'

DRILL TYPE – 27 T STARTED – Sep. 1, 1948 COMPLETED – Sep. 2, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25	I.F. – well enriched with red and blue hematite.																
30																	
35																	
40																	
45			Open														
50	Slaty I.F. –		Hole														
55																	
60																	
65																	

REMARKS

No analyses –

FL-803B

Total 92 ft (cased)
- 980 (cased)
2 3 7 ft in 1948 (Goodwood Mines Ltd)
31-16, 32-17-32-16)

G-Box #154 (Block 3)

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-101 BD

LOCATION – 136,542.8 N - 16,554.4 W ELEVATION – 2718.8' DEPTH – 214'

DRILL TYPE – 22T & Sullivan STARTED – Aug 10, 1948 COMPLETED – Aug 13, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10																	
15					61.8	.16	.013	4.09									
20					62.4	.16	.019	3.73									
25					62.4	.11	.025	4.32									
30					61.7	.08	.027	3.58									
35					61.5	.10	.021	5.02									
40					61.5	.11	.027	4.46									
45					61.9	.16	.037	4.52									
50					61.7	.08	.039	4.64									
55	Chiefly goethite				61.1	.10	.040	4.77									
60					60.7	.05	.025	4.24									
65	with some magnetite				61.1	.13	.029	3.95	61.1	.11	.025	5.76	.07	.07	.46	.011	6.06
70					61.7	.14	.031	3.38									
75	and fine quartz				59.5	.05	.019	7.65									
80					59.6	.05	.015	9.12									
85					58.5	.13	.020	11.27									
90					60.5	.16	.025	7.45									
95					61.5	.06	.023	5.71									
100					61.5	.05	.022	6.83									
105					60.8	.11	.025	6.88									
110					59.8	.13	.022	7.82									
115					61.3	.19	.025	6.63									
120					61.4	.19	.029	6.15									
125					59.6	.14	.023	8.16									
130	Same with more				59.5	.22	.031	8.83									
135	quartz				57.3	.16	.026	12.41	58.6	.18	.027	9.96	.07	.08	.49	.008	5.43
140					58.0	.21	.026	10.42									
145					56.6	.27	.025	12.65									
150					56.0	.27	.031	14.18									
155	Goethite & hematite				55.8	.24	.021	15.21									
160	with considerable chert				53.8	.30	.021	17.85	54.2	.24	.026	16.95	.05	.09	.52	.011	4.54
165					55.5	.25	.024	14.48									
170	and quartz				51.3	.17	.031	21.98									
175					50.5	.21	.031	22.27									
180					46.4	.22	.031	30.25									
185	Enricked quartzose I.F.				44.1	.13	.024	32.28	45.9	.16	.028	30.45					
190			B.X.		47.1	.14	.029	28.83									
195					53.6	.21	.034	10.18									
200	Goethite + hematite				59.1	.21	.029	8.64									
205	with fine buff silica				55.1	.24	.027	15.71	58.0	.21	.029	11.43	.06	.03	.14	.012	4.95
210					58.8	.18	.025	11.20									
214	I.F.				48.9	.19	.023	25.74									

Ministère des Richesses Naturelles, Québec
SERVICE DES GITES MINÉRAUX
No C.M.- HQ6-A

REMARKS Drilled to 185' with 22T in 1947
Deepened from 185' with D.D. in 1948

G-101 BD

FORM BC 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-102 BD

LOCATION – 136,915.8 N - 16,122.5 W ELEVATION – 2756.7' DEPTH – 282'

DRILL TYPE – 22T Sullivan STARTED – June 9, 1948 COMPLETED – June 17, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X														
10					54.2	.13	.027	14.55									
15					62.6	.10	.038	3.89									
20					64.4	.12	.035	2.38									
25					64.4	.16	.033	2.10									
30					64.5	.17	.036	2.02									
35					64.0	.14	.027	2.81									
40					64.9	.11	.031	2.68									
45	Chiefly goethite				65.3	.13	.029	1.97									
50					64.4	.11	.029	3.14									
55	with minor quartz				63.3	.08	.042	3.94	62.1	.12	.036	4.37	.06	.08	1.27	.013	4.99
60					62.6	.10	.042	6.38									
65					63.2	.12	.033	4.67									
70					62.8	.11	.043	4.70									
75					61.4	.11	.046	4.28									
80					60.0	.11	.048	3.87									
85					59.7	.13	.032	4.65									
90					60.6	.11	.031	4.35									
95					58.4	.10	.038	6.40									
100					60.0	.13	.048	4.24									
105					60.8	.15	.071	3.12									
110					61.2	.13	.062	3.28									
115					61.2	.08	.058	3.16									
120					61.1	.05	.067	2.97									
125					60.7	.13	.067	3.83									
130					59.2	.10	.034	4.66									
135	Much same				58.1	.08	.050	6.09									
140					57.5	.08	.052	7.26									
145	but more limonitic				58.9	.13	.046	5.93	59.7	.10	.059	5.17	.05	.07	1.93	.012	7.27
150					60.0	.08	.056	5.15									
155					59.3	.10	.063	6.18									
160					59.8	.05	.075	5.23									
165					60.7	.07	.069	4.72									
170					59.0	.10	.048	6.48									
175					59.6	.08	.042	6.54									
180					59.6	.10	.054	5.51									
185					57.9	.11	.054	7.73									
190			B.X.		55.9	.13	.040	13.06									
195					58.5	.16	.040	9.48									
200					56.8	.05	.031	11.02									
205					59.2	.08	.035	8.84									
210	Refractory goethite				55.6	.05	.036	14.53									
215					55.9	.05	.040	12.06									
220	with more quartz				55.7	.05	.039	12.28	56.5	.12	.040	11.48	.08	.04	.52	.012	6.63
225					55.0	.05	.046	11.18									
230					56.0	.70	.042	10.28									
235					56.7	.05	.049	9.36									
240					56.4	.05	.031	14.43									
245					56.0	.05	.048	11.19									
250					47.0	.08	.044	26.36									
255					46.0	.05	.039	29.58									
260	Quartzose I.F.				31.9	.05	.038	50.32	43.3	.07	.033	32.49					
265					45.0	.08	.022	29.65									
270					46.6	.11	.022	26.55									
275	Hematite + goethite		A.X			Missing											
280	with				54.4	.13	.028	16.64	53.0	.10	.027	18.69	.08	.05	.50	.006	3.89
282	considerable quartz				51.7	.08	.026	20.74									

REMARKS Drilled to 185' with 22T in 1947
Deepened from 185' with D.D. in 1948

G-102 BD

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-103

LOCATION – 137,300.7N – 16,436.8W. ELEVATION – 2767.9' DEPTH – 231'

DRILL TYPE – Sullivan STARTED – August 14, 1948 COMPLETED – August 21, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE MT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10																	
15	Vuggy brown goethite and limonite with coarse quartz and some chert.				55.3	.16	.101	10.62	57.4	.19	.090	7.89	.06	.04	1.44	.010	7.82
20					57.3	.21	.103	7.13									
25					59.7	.21	.067	5.93									
30	Same				53.6	.21	.075	13.19	52.2	.16	.067	16.89	.07	.03	1.24	.012	6.40
35					39.8	.18	.049	35.02									
40					57.1	.13	.075	10.66									
45					58.3	.13	.067	8.70									
50	Vuggy brown goethite and some chert.				57.7	.13	.041	11.12	58.7	.14	.041	9.35	.07	.04	.48	.015	5.27
55					59.1	.13	.048	8.08									
60					59.3	.15	.033	8.86									
65	Brown goethite and considerable martite with considerable fine quartz.				53.5	.10	.030	18.97	56.5	.16	.030	14.34	.09	.04	.57	.010	3.65
70					45.6	.13	.030	29.45									
75					55.5	.13	.030	16.12									
80					57.2	.16	.028	12.36									
85					58.2	.23	.032	10.59									
90					57.8	.15	.021	12.95									
95					61.4	.19	.030	7.86									
100					58.5	.21	.021	13.03									
105					59.1	.10	.030	11.60									
110					55.4	.13	.028	17.00									
115					60.5	.16	.028	9.51									
120					57.5	.16	.036	12.46									
125					58.9	.21	.038	9.13									
130					52.1	.19	.043	19.92									
135					57.0	.16	.023	14.11									
140	Limonite and goethite with fine quartz.				59.6	.18	.032	8.59	59.2	.23	.030	8.84	.10	.06	.40	.006	4.89
145					60.3	.24	.028	7.54									
150					55.4	.26	.028	14.60									
155		B.X.			60.1	.26	.028	7.43									
160					59.3	.21	.032	8.09									
165					60.2	.24	.032	6.77									
170	Hard brown goethite with some hematite and martite, and more fine quartz.				53.0	.13	.017	20.59	52.9	.15	.028	19.98	.11	.04	.31	.016	3.88
175																	
180					51.5	.13	.024	22.86									
185					58.5	.13	.024	10.82									
190					55.9	.13	.021	19.05									
195					44.8	.08	.019	32.80									
200					54.8	.16	.028	17.50									
205																	
210					54.6	.18	.038	17.90									
215																	
220					48.9	.16	.028	25.70									
225					56.	.21	.040	14.23									
230					52.7	.16	.036	18.32									
231																	

REMARKS

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No.1 DISTRICT – Quebec HOLE NO.–G-10313D

LOCATION – 137,440.1N - 17,074.1W ELEVATION – 2736.4' DEPTH – 293'

DRILL TYPE – 22T & Sullivan STARTED – July 10,1948 COMPLETED – July 14,1948 LOGGED – R.Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10					52.8	.10	.073	14.34									
15	Contaminated hematite				59.3	.08	.077	6.40	62.5	.10	.066	4.25	.12	.08	1.04	.011	4.09
20					65.8	.13	.054	2.09									
25					67.5	.07	.040	1.04									
30	Hematite & magnetite				67.6	.08	.040	.92									
35	with minor quartz				67.6	.05	.040	1.16	67.5	.06	.043	1.11	.10	.07	.55	.010	1.53
40					67.3	.05	.050	1.30									
45					67.0	.08	.054	1.34									
50					67.0	.08	.052	1.31									
55					66.5	.07	.052	1.78									
60					66.1	.05	.054	1.92									
65					66.0	.08	.061	1.81									
70					65.8	.05	.052	2.10									
75					63.3	.03	.052	3.15									
80					63.1	.07	.054	2.61									
85	Hematite & goethite				64.6	.10	.056	1.54									
90					63.3	.08	.069	1.76									
95					63.0	.06	.067	1.48									
100	with minor quartz				63.8	.07	.079	1.52	63.9	.07	.063	1.66	.12	.07	1.10	.014	5.18
105					63.4	.08	.079	1.21									
110					62.7	.08	.060	1.23									
115					63.2	.06	.061	1.28									
120					63.2	.07	.069	1.46									
125					62.1	.05	.073	1.44									
130					62.4	.05	.075	1.44									
135					61.6	.07	.065	1.45									
140					63.3	.07	.073	1.37									
145					63.0	.06	.060	1.46									
150					62.0	.07	.067	1.36									
155					53.5	.08	.037	14.82									
160					62.4	.08	.026	1.64									
165					61.5	.03	.026	2.66									
170	Much same				61.5	.08	.026	1.83									
175					61.6	.05	.028	1.62	61.5	.06	.026	4.41	.09	.06	.34	.017	7.25
180					62.8	.05	.024	3.25									
185					63.6	.11	.024	5.81									
190					63.4	.03	.021	5.00									
195					63.1	.07	.024	3.09									
200					52.7	.11	.031	22.33									
205					42.1	.11	.019	36.54									
210					44.8	.04	.020	32.03									
215					44.5	.03	.017	34.07									
220					43.2	.13	.013	36.30									
225			B.X.		56.2	.10	.019	19.48									
230	I.F. - well enriched				48.7	.05	.019	28.53									
235					39.5	.05	.019	43.18									
240	with red & blue				40.2	.05	.015	41.58									
245					45.1	.05	.020	35.18	45.0	.07	.021	34.63					
250	hematite				43.4	.08	.022	46.95									
255					38.8	.10	.020	44.41									
260					52.0	.04	.019	24.74									
265					51.5	.04	.019	25.51									
270					40.7	.04	.021	41.29									
275					43.2	.05	.020	37.40									
280					40.5	.05	.021	41.49									
285			A.X.		57.2	.05	.024	16.73									
290					40.0	.05	.028	39.97									
293					36.7	.10	.029	44.93									

REMARKS

Drilled to 150' with 22T in 1947

Deepened from 150' with D.D. in 1948

G-10313D

FORM 8C11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No.1 DISTRICT – Quebec HOLE NO.–G-104BD

LOCATION – 137,163.8 N - 16,602.2 W ELEVATION – 2743.2 DEPTH – 215'

DRILL TYPE – 22T* Sullivan STARTED – June 19, 1948 COMPLETED – June 21, 1948 LOGGED – R.Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		NX														
10					55.8	.08	.050	9.39									
15					60.7	.08	.069	2.23									
20					61.5	.08	.063	1.45									
25	Soft limonite				62.2	.07	.056	1.26									
30					61.6	.05	.062	1.46									
35	with minor quartz				60.4	.05	.075	1.73	61.4	.07	.067	1.68	.10	.08	1.73	.013	8.23
40					61.8	.05	.073	1.41									
45					61.1	.06	.077	2.29									
50					61.3	.07	.075	1.77									
55					62.4	.10	.052	1.56									
60					61.1	.10	.046	1.23									
65	Same				61.7	.08	.041	1.01	61.9	.09	.045	1.22	.06	.07	.73	.012	9.05
70					62.8	.08	.044	1.19									
75					62.1	.08	.050	1.43									
80					62.1	.08	.052	1.72									
85					62.4	.08	.061	1.31									
90					61.9	.10	.065	1.27									
95					62.5	.09	.065	1.33									
100					62.9	.07	.067	1.50									
105					63.3	.05	.063	1.16									
110	Harder limonit.				61.7	.08	.075	2.13									
115					61.5	.09	.069	3.06									
120					62.3	.08	.067	2.41	62.0	.08	.063	2.26	.07	.07	1.19	.011	6.15
125	with minor quartz				63.3	.08	.058	2.05									
130					63.9	.05	.058	2.56									
135					63.9	.09	.079	3.01									
140					63.8	.08	.069	3.70									
145					63.6	.08	.075	3.20									
150					62.4	.07	.071	3.06									
155					62.7	.06	.056	2.59									
160					62.9	.06	.063	2.59									
165					61.6	.10	.067	3.26									
170					62.5	.2	.040	6.32									
175	Blue hematite & martite				63.3	.11	.042	4.25									
180					64.7	.13	.029	2.68									
185	with minor quartz				64.6	.11	.028	4.25	64.6	.11	.033	3.86	.07	.04	.44	.011	2.65
190					66.3	.08	.031	2.63									
195					66.4	.05	.031	2.60									
200					64.6	.08	.033	4.26									
205	Same - with some		BX.		61.9	.05	.080	4.20									
210	goethite				61.2	.05	.082	4.64	61.2	.06	.075	4.93	.07	.04	.82	.008	5.47
215					60.6	.08	.062	5.95									

REMARKS Drilled to 162' with 22T in 1947
Deepened from 162' with D.D. in 1948

G-104BD

FORM 3C11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-105 BD

LOCATION – 136,367.8 N - 16,858.9 W ELEVATION – 2726.4' DEPTH – 330'

DRILL TYPE – 22 T + Sullivan STARTED – June 21, 1948 COMPLETED – July 10, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			H.X.		66.7	.13	.039	1.35									
10					66.2	.10	.035	1.31									
15					66.4	.11	.042	1.32									
20					65.6	.08	.050	1.30									
25					65.7	.09	.046	1.19									
30					65.9	.10	.037	1.44									
35					66.6	.08	.029	1.45									
40					66.4	.08	.035	1.34									
45					65.5	.07	.029	1.18									
50					65.1	.05	.021	1.09									
55					63.9	.06	.022	1.06									
60					64.9	.08	.023	1.13									
65					65.7	.08	.027	1.10									
70					65.7	.08	.029	1.62									
75					63.9	.08	.023	2.59									
80					64.5	.10	.021	1.53									
85					64.2	.11	.027	1.00									
90					65.3	.13	.027	1.01									
95					65.0	.10	.027	.96									
100					65.4	.10	.031	.81									
105					64.3	.13	.031	1.04									
110					64.5	.12	.029	1.11									
115					64.7	.05	.023	.99									
120	Blue hematite with				66.0	.04	.021	.81									
125					65.9	.07	.018	.95	63.3	.11	.030	4.58	.01	.06	.33	.008	4.10
130					65.	.07	.023	1.41									
135	minor quartz				65.0	.08	.023	2.63									
140					65.2	.10	.023	2.80									
145					64.5	.13	.031	2.49									
150					63.9	.08	.046	2.19									
155					64.1	.16	.033	4.58									
160					63.0	.08	.031	5.18									
165					63.5	.08	.030	3.04									
170					62.2		.033	5.32									
175					62.3	.11	.039	5.90									
180					61.6	.08	.037	5.83									
185					61.5	.08	.037	6.10									
190			B.X.		61.4	.11	.044	6.94									
195						Missing											
200					60.6	.16	.052	7.66									
205					60.5	.13	.042	7.15									
210					60.7	.10	.033	7.54									
215					62.0	.11	.037	6.49									
220					58.9	.22	.028	12.30									
225					61.7	.22	.026	8.61									
230					52.4	.11	.024	21.95									
235					62.1	.11	.018	9.28									
240					60.2	.16	.017	12.34									
245					60.5	.17	.019	12.15									
250			A.X.		63.7	.16	.018	6.38									
255					61.0	.18	.024	11.22									
260					59.3	.19	.026	12.00									
265					61.6	.10	.026	9.60									
270																	
275					61.2	.10	.022	7.13									
280					63.6	.11	.030	2.47									
285					59.9	.19	.024	8.35									
290					57.6	.21	.033	8.89									
295																	
300					52.3	.43	.031	18.91									
305	Hematite & magnetite				59.0	.22	.026	10.90									
310					56.5	.21	.030	14.54	56.0	.30	.033	13.29	.08	.05	1.52	.020	4.33
315	with considerable				56.3	.24	.031	14.06									
325	quartz				57.7	.41	.037	8.90									
330					54.0	.26	.042	12.42									

REMARKS Drilled to 150' with 22T in 1947
Deepened from 150' with D.D. in 1948

G-105 BD

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-106B

LOCATION – 136,378.7N - 16,787.6 W ELEVATION – 2699.7' DEPTH – 160'

DRILL TYPE – 22 T STARTED – June 10, 1948 COMPLETED – June 11, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15					52.5	.18	.034	13.30									
20			2pcs		55.7	.11	.032	9.84									
25			Hole		55.6	.06	.032	10.83									
30	Limonitic coated blue				54.0	.56	.032	12.20									
35					55.6	.95	.032	9.86									
40	hematite and quartz				56.1	1.78	.041	7.58	56.3	.47	.040	8.96	.09	.08	.71	.012	7.96
45					56.2	1.06	.041	8.56									
50					58.6	.11	.045	6.57									
55					58.3	.11	.041	6.45									
60					58.7	.13	.047	6.80									
65					58.0	.11	.058	6.75									
70					54.0	.08	.060	14.08									
75	Same with more				49.4	.03	.053	20.10									
80					55.0	.08	.053	14.03	54.3	.07	.047	14.68	.09	.07	.61	.008	6.45
85	fine quartz				55.5	.11	.039	14.25									
90					57.8	.06	.028	10.92									
95					58.5	.08	.028	8.61									
100	Limonitic coated blue				59.5	.11	.028	6.33									
105					59.7	.08	.028	4.72									
110	hematite with chert				58.8	.13	.024	5.26	58.0	.09	.027	7.27	.06	.07	.53	.010	8.83
115					58.5	.11	.028	5.86									
120	& quartz				57.5	.08	.026	6.93									
125					53.8	.06	.030	13.20									
130					43.6	.03	.019	29.45									
135	Lean cherty I.F.				32.3	.03	.028	43.67	36.0	.05	.023	39.88					
140					32.8	.06	.023	46.01									
145					35.3	.08	.021	40.40									
150	Goethite with pyrolus-				46.2	4.56	.322	17.88									
155	ite and quartz				30.4	19.17	.027	18.69	38.3	11.86	.024	18.28	.07	.03	.53	.014	8.49
160	I.F.				24.6	15.60	.022	34.51									

REMARKS

Drilled to 148' in 1947

G-106B

FORM BC 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No.1 DISTRICT – Quebec HOLE NO.– G-107 BD

LOCATION –137,073.7N–15,924.7W ELEVATION–2775.3' DEPTH – 268'

DRILL TYPE – 22 TCD & Sullivan STARTED – June 11, 1948 COMPLETED – June 30, 1948 LOGGED – R. Goren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE W	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			N.X.		53.8	.40	.042	14.05									
10	Vuggy brown hematite				53.1	.22	.040	13.71									
15	with some				52.5	.27	.056	14.16	54.1	.34	.045	12.42	.08	.04	1.67	.014	7.00
20	surface contamination.				54.0	.83	.049	9.94									
25					62.1	.11	.045	3.27									
30					49.2	.28	.036	19.40									
35					64.1	.08	.056	2.80									
40					63.1	.10	.033	3.52									
45					62.0	.11	.025	2.21									
50					61.2	.16	.025	4.67									
55					62.8	.16	.022	3.26									
60					60.5	.24	.027	5.32									
65					58.8	.40	.027	5.77									
70					61.9	.11	.020	4.95									
75	Mixture of				62.1	.08	.025	5.64									
80					64.5	.13	.020	3.67									
85	Vuggy hematite, limonite				63.8	.10	.036	4.34	61.3	.21	.033	4.62	.08	.04	1.20	.012	5.82
90					64.1	.10	.022	4.13									
95	and goethite, with				60.5	.21	.033	4.80									
100					60.6	.24	.042	4.36									
105	small amounts of quartz.				60.1	.13	.047	4.87									
110					59.8	.13	.045	4.04									
115					60.1	.10	.042	4.04									
120					60.4	.08	.049	4.70									
125					61.0	.16	.049	3.70									
130					60.1	.35	.042	5.04									
135					60.6	.19	.052	5.54									
140					59.3	.24	.044	5.41									
145					59.8	.56	.036	5.18									
150					59.8	.77	.008	6.22									
155					54.9	3.90	.039	6.23									
160					53.4	4.78	.037	6.21									
165	Goethite, pyrolusite and				54.0	4.60	.039	5.41									
170					52.4	4.64	.046	7.56									
175	manganite, with some				49.6	5.12	.043	11.43	52.4	4.35	.036	8.67	.06	.04	1.10	.014	8.56
180			B.X.		50.5	3.86	.037	11.80									
185	quartz and chert.				49.6	4.46	.030	12.16									
190					54.7	4.92	.028	6.99									
195					52.4	4.04	.036	7.99									
200					52.0	3.16	.026	10.90									
205					38.6	17.65	.030	8.89									
210					32.9	27.30	.023	6.12									
215	Same – with more				37.3	19.90	.028	8.75									
220					37.6	23.25	.026	7.17									
225	pyrolusite and				37.6	19.10	.021	9.05	38.5	20.92	.031	11.30	.07	.04	1.31	.009	7.51
230					41.4	15.45	.037	9.35									
235	some psilomelane.				42.8	13.00	.035	10.06									
240					41.4	8.25	.041	18.52									
245					39.2	13.30	.034	14.82									
250			A.X.		38.0	11.97	.039	20.31									
255	Core – enriched I.F. with				36.4	6.42	.033	27.32									
260	hematite and manganese				46.0	3.20	.076	22.38	43.6	4.18	.063	24.42					
265	enrichment along				46.7	4.28	.059	22.33									
268	bedding planes.				45.4	2.84	.083	25.66									

REMARKS

Deepened from 170' with Sullivan.

G-107BD

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 | DISTRICT – Quebec | HOLE NO.– G-108 BD

LOCATION – 136,650.2 N–15,660.1 W | ELEVATION – 2755.3' | DEPTH – 350'

DRILL TYPE – 22 TCD & Sullivan | STARTED – June 15, 1948 | COMPLETED – July 28, 1948 | LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	BLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10					64.1	.19	.024	2.58									
15					64.1	.10	.031	1.90									
20					63.8	.08	.033	1.45									
25					63.7	.18	.031	1.72									
30					64.7	.08	.028	2.99									
35					65.0	.13	.031	2.43									
40					65.1	.19	.028	1.91									
45					64.7	.10	.029	2.22									
50					64.6	.11	.031	1.51									
55					64.9	.11	.026	2.15									
60	Mixture of				64.7	.07	.022	3.07									
65					63.3	.15	.018	4.02									
70	goethite, hematite and				63.5	.11	.018	4.89									
75					64.1	.21	.017	4.92									
80	martite with				63.2	.13	.018	5.93	63.8	.12	.019	4.68	.07	.03	.71	.008	5.14
85					64.3	.10	.013	3.09									
90	minor amounts				64.3	.08	.014	3.86									
95					63.8	.08	.012	4.89									
100	of quartz.				63.3	.10	.012	5.87									
105					64.5	.10	.010	4.10									
110					64.6	.10	.017	4.34									
115					64.3	.11	.015	4.74									
120					64.3	.08	.012	4.72									
125					64.4	.11	.014	4.87									
130					64.0	.08	.015	5.31									
135					63.6	.16	.016	6.01									
140					63.1	.13	.014	6.34									
145					62.0	.11	.014	8.09									
150					60.8	.13	.011	9.57									
155					63.6	.11	.015	6.35									
160					60.0	.18	.020	12.39									
165					61.9	.08	.017	9.60									
170					64.3	.16	.009	6.40									
175			B.X.		64.8	.10	.014	6.78									
180					61.2	.21	.010	10.81									
185					58.8	.16	.010	13.98									
190					62.9	.05	.017	8.25									
195					59.7	.10	.013	12.66									
200	Martite and magnetite				60.8	.08	.021	10.67									
205					62.8	.09	.021	8.40									
210	with				60.8	.23	.022	10.40	60.6	.13	.019	10.62	.08	.04	.49	.010	2.22
215					61.7	.06	.022	9.77									
220	more fine quartz.				59.9	.08	.019	12.18									
225					62.6	.13	.023	7.74									
230																	
235					56.4	.15	.026	13.48									
240					60.2	.18	.020	9.12									
245					42.6	5.76	.022	24.89									
250	Hard brown				56.8	6.80	.021	5.42									
255	goethite and hematite				54.3	6.05	.017	7.00									
260	with				56.7	2.84	.019	7.95	54.0	4.26	.019	9.59	.07	.05	.37	.007	5.38
265	considerable pyrolusite.		A.X.		55.9	2.82	.019	9.36									
270					57.1	3.32	.019	7.22									
275					56.7	2.24	.019	5.31									
280					47.8	12.75	.017	7.04									
285					Sample Missing												
290					46.1	11.27	.019	10.19									
295					44.2	13.67	.013	8.99									
300	Same				37.7	22.10	.017	5.52	38.3	17.75	.020	11.61	.07	.05	1.55	.008	4.79
305					Sample Missing												
310					45.0	12.58	.022	11.85									
315																	
320					44.4	14.12	.020	10.19									
325					35.8	15.72	.014	20.09									

REMARKS Deepened from 170' with Sullivan

Continued on following sheet.

FORM 8C 11

H.N.S.E. Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-108BD

LOCATION – 135,650.2N-15,660.1W ELEVATION – 2755.3' DEPTH – 350'

DRILL TYPE – 22 TCD & Sullivan STARTED – June 15, 1948 COMPLETED – July 28, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on ignition
330			A.X.		35.7	19.82	.025	10.16									
335					34.4	22.30	.025	7.44									
340					31.2	22.72	.034	13.44									
345					26.8	22.76	.017	21.28									
350					30.7	23.22	.023	13.11									

REMARKS

G-108BD

FORM 8C 11

H.N.S.F.Co.

DEPOSIT – GOODWOOD No.1 DISTRICT – Quebec HOLE NO.– G-109 B

LOCATION – 136,474.6 N-15,877.9 W ELEVATION – 2737.8' DEPTH – 170'

DRILL TYPE – 22 T STARTED – June 17, 1948 COMPLETED – June 19, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20			Open		50.8	.11	.020	11.17									
25			Hole		59.1	.11	.020	10.96									
30					57.6	.13	.017	13.96									
35					57.7	.05	.020	14.49									
40					57.2	.10	.027	15.06									
45					57.8	.13	.017	14.71									
50					54.1	.05	.017	19.68									
55					58.3	.08	.017	12.17									
60	Brown goethite and martite				57.4	.10	.015	15.14									
65					55.0	.08	.017	16.91									
70	with considerable				56.0	.08	.011	16.58	57.1	.10	.019	14.77	.07	.04	.46	.012	2.16
75					58.2	.05	.015	14.39									
80	fine quartz.				59.9	.11	.015	12.93									
85					56.3	.08	.017	16.44									
90					57.2	.10	.018	15.15									
95					56.8	.05	.017	14.62									
100					57.0	.07	.028	14.90									
105					58.0	.08	.017	13.40									
110					58.1	.10	.013	13.39									
115					58.6	.16	.022	12.93									
120					56.6	.14	.024	14.48									
125					56.1	.12	.018	15.88									
130					56.4	.13	.026	15.16									
135					53.6	.17	.020	18.44									
140					55.7	.12	.022	16.39									
145					53.0	.10	.017	20.84									
150	Steel grey hematite,				52.1	.11	.018	22.24									
155	some limonite and				54.0	.11	.024	19.76	53.3	.11	.018	20.84	.09	.04	.28	.009	1.92
160	more fine quartz.				52.9	.13	.015	21.97									
165					53.5	.11	.018	20.56									
170					54.3	.08	.017	19.67									

REMARKS

G-109B

FORM BC 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No.1 DISTRICT – Quebec HOLE NO. – G-110 BD

LOCATION – 136,275.2N – 16,116.7W ELEVATION – 2719.0' DEPTH – 179'

DRILL TYPE – 22T and Sullivan STARTED – June 19, 1948 COMPLETED – August 9, 1948 LOGGED – R. Goren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Lost on Ignition
0-5	Surface		N.X.														
10																	
15					55.4	.13	.020	12.29									
20					58.7	.21	.028	7.84									
25	Limonitic stained goethite with some fine quartz.				61.5	.18	.023	5.68									
30					60.3	.16	.027	6.95	59.5	.15	.020	7.91	.08	.04	.64	.011	5.40
35					60.4	.16	.018	6.52									
40					61.1	.16	.019	6.73									
45					60.0	.10	.017	7.33									
50					58.7	.08	.013	9.95									
55	Same – with more fine quartz.				53.3	.08	.014	19.42									
60					53.3	.13	.018	19.17	54.4	.12	.015	17.58	.09	.03	.29	.010	4.14
65					56.6	.14	.012	14.16									
70					49.8	.14	.018	23.82									
75					49.3	.09	.014	26.46									
80	I.F. – enriched				47.9	.05	.010	28.28									
85					49.0	.13	.010	26.47									
90	with magnetite				49.9	.08	.010	25.29	49.8	.09	.013	25.03	.08	.04	.34	.011	2.87
95					49.0	.06	.011	27.06									
100	and martite.				49.9	.10	.014	25.35									
105					51.4	.08	.012	22.69									
110					50.7	.11	.015	23.39									
115					51.4	.08	.014	21.51									
120					56.9	.08	.022	15.78									
125					58.3	.18	.022	12.50									
130	Chiefly				58.0	.13	.031	11.93									
135	martite and magnetite				58.8	.15	.035	10.33									
140	with some				58.4	.15	.035	10.25	56.9	.13	.029	13.37	.09	.03	.21	.017	4.18
145	unleached fragments				54.4	.18	.024	15.93									
150	and considerable quartz.				59.4	.10	.028	9.65									
155					57.1	.13	.028	12.72									
160					53.6	.13	.028	17.11									
165			B.X.		54.1	.11	.041	17.47									
170	I.F. – well enriched				47.3	.18	.035	27.95									
175	with goethite.				Sample Missing				49.9	.13	.040	24.87	.09	.03	.46	.034	1.93
179					52.5	.08	.045	21.79									

REMARKS

Deepened from 115' with Sullivan

G-110BD

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No 1 DISTRICT – Quebec HOLE NO. – G-111B

LOCATION – 136,083.1N-16,342.9W ELEVATION – 2707.3' DEPTH – 15'

DRILL TYPE – 22 T STARTED – July 22, 1948 COMPLETED – July 22, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) BLOCK Fe	Mn	P	SiO_2	AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on ignition
0-5	Surface		6"														
5-15	Enriched I.F.																

REMARKS Hole lost at 15' due to caving.
No analyses.

G-111B

FORM BC 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No.1 DISTRICT – Quebec HOLE NO. – G-112B

LOCATION – 136,091.5 N-16,355.2W ELEVATION – 2706.4' DEPTH – 90'

DRILL TYPE – 22 T STARTED – June 23, 1948 COMPLETED – July 18, 1948 LOGGED – R. Gerety

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20	I.F. – enriched with magnetite.		Open		38.8	.13	.017	39.41									
25			Hole		38.9	.13	.017	38.79	42.5	.14	.017	32.60					
30					49.7	.15	.017	19.61									
35					55.3	.14	.021	12.31									
40					57.5	.13	.016	9.34									
45	Brown goethite and blue hematite with coarse angular quartz.				56.8	.11	.017	10.95									
50					60.4	.13	.015	8.22	56.8	.14	.020	12.26	.09	.04	.28	.012	5.69
55					58.4	.16	.023	11.92									
60					58.4	.18	.023	10.95									
65					54.2	.15	.024	16.59									
70					53.7	.15	.022	17.81									
75					51.3	.13	.022	21.73									
80	Well enriched cherty I.F.				49.2	.13	.019	24.32	47.9	.12	.019	26.95					
85					45.8	.11	.017	30.18									
90					45.4	.13	.017	31.59									

REMARKS

G-112 B

FORM 8C-11

H.N.S.F. Co.

DEPOSIT – GOODWOOD No. 1 **DISTRICT** – Quebec **HOLE NO.** – G-113 B

LOCATION – 135,945.1 N – 16,515.7 W **ELEVATION** – 2681.8' **DEPTH** – 155'

DRILL TYPE – 22 T **STARTED** – June 27, 1948 **COMPLETED** – June 29, 1948 **LOGGED** – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			6"		60.4	.15	.043	4.73									
10					61.5	.16	.043	3.62									
15			Open		62.5	.21	.043	2.86									
20			Hole		61.4	.14	.053	2.76									
25					61.4	.16	.053	2.73									
30					61.6	.11	.049	2.27									
35					61.6	.19	.047	2.79									
40					62.3	.13	.047	2.84									
45					62.5	.21	.053	2.89									
50					61.9	.16	.055	3.25									
55	Goethite,				61.0	.08	.041	3.06									
60					61.1	.06	.024	2.88									
65	limonite and martite,				60.5	.05	.024	2.69	59.6	.11	.042	4.46	.08	.03	1.60	.014	7.96
70					60.9	.08	.026	2.35									
75	with minor quartz.				60.5	.08	.030	2.88									
80					59.0	.10	.036	6.28									
85					55.9	.13	.034	9.17									
90					50.3	.07	.047	12.41									
95					54.7	.09	.057	7.18									
100					58.9	.05	.043	4.74									
105					60.2	.11	.041	3.82									
110					58.1	.05	.047	4.67									
115					58.7	.06	.045	4.98									
120					58.4	.06	.036	5.00									
125					59.3	.15	.043	3.94									
130					58.3	.06	.041	5.91									
135					57.2	.08	.034	7.96									
140					44.8	.07	.036	24.89									
145	Well enriched cherty I.F.				46.4	.11	.047	18.68	47.8	.11	.042	19.56					
150					52.2	.15	.047	12.36									
155					47.8	.13	.036	22.30									

REMARKS

FORM 8C II

H.N.S.E.Co.

DEPOSIT – GOODWOOD NO. 1 | DISTRICT – Quebec | HOLE NO. – G-114 B

LOCATION – 136,038.7 N – 15,619.6 W | ELEVATION – 2720.9' | DEPTH – 270'

DRILL TYPE – 22 T | STARTED – June 29, 1948 | COMPLETED – July 1, 1948 | LOGGED – R. Goreen

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20			Open		50.5	.16	.040	16.18									
25			Hole		53.2	.18	.035	11.67									
30					52.4	.08	.035	13.27									
35					51.5	.16	.027	15.33									
40					57.9	.13	.020	6.42									
45	Mostly limonite with				56.8	.08	.027	8.91									
50					54.4	.06	.027	11.24									
55	some hard goethite				55.0	.08	.018	10.43	54.0	.10	.026	11.69	.09	.05	.90	.014	9.35
60					54.8	.11	.025	10.90									
65	and considerable quartz.				54.3	.06	.024	10.84									
70					54.1	.11	.025	11.55									
75					53.7	.08	.027	11.96									
80					52.5	.06	.022	14.52									
85					55.5	.13	.020	10.03									
90					53.0	.11	.024	13.37									
95					54.9	.08	.026	10.44									
100					49.4	.06	.022	21.04									
105					49.8	.13	.022	18.53									
110					46.0	.06	.016	25.54									
115					43.0	.08	.025	30.29									
120					51.2	.11	.022	17.30									
125					48.0	.08	.031	21.94									
130					45.5	.11	.024	27.41									
135					47.1	.09	.022	23.74									
140					35.0	.06	.015	44.23									
145					32.7	.08	.022	47.32									
150					37.7	.08	.029	39.37									
155					39.8	.16	.026	34.25									
160					40.6	.08	.024	34.14									
165	I.F. – enriched				40.7	.03	.018	36.77									
170					46.5	.07	.020	24.23									
175	with limonite				45.5	.04	.020	26.76	44.5	.10	.026	27.92					
180					43.9	.10	.018	30.08									
185	and goethite.				47.5	.10	.026	23.76									
190					47.2	.08	.043	23.76									
195					46.6	.13	.015	24.20									
200					49.6	.10	.024	20.17									
205					48.5	.11	.020	20.74									
210					46.5	.10	.024	23.12									
215					45.5	.11	.027	24.74									
220					47.0	.08	.027	22.85									
225					49.5	.14	.035	18.27									
230					45.0	.10	.017	26.20									
235					39.4	.13	.018	37.57									
240					41.3	.10	.035	32.19									
245					43.0	.13	.027	31.76									
250					42.2	.16	.040	32.22									
255					44.9	.16	.042	26.12									
260					44.1	.15	.033	28.17									
265					43.8	.21	.036	29.34									
270					44.8	.11	.031	28.35									

REMARKS

G-114 B

FORM 8C 11

H.N.S.E. Co.

DEPOSIT – GOODWOOD No.1 DISTRICT – Quebec HOLE NO. – G-115 B

LOCATION – 136,382.5N-15,148.8W ELEVATION – 2756.6' DEPTH – 171'

DRILL TYPE – 22 T STARTED – July 1, 1948 COMPLETED – July 3, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface	Casing	6"														
10																	
15																	
20					49.8	.42	.020	22.70									
25	Goethite and martite with some quartz.		Open Hole		54.5	.42	.017	19.76	53.0	1.11	.019	17.48	.08	.06	.55	.013	3.88
30					52.5	.88	.022	18.60									
35					51.9	2.02	.018	17.08									
40					39.2	13.77	.015	17.59									
45					40.7	14.82	.018	14.42									
50	Black and green stained goethite with considerable pyrolusite.				41.6	13.80	.015	15.87									
55					46.2	8.43	.022	17.06	44.4	10.53	.024	17.60	.07	.06	.30	.011	3.23
60					44.3	10.00	.017	16.89									
65					47.6	7.56	.022	17.11									
70					47.4	10.92	.029	21.22									
75					48.0	4.95	.051	20.64									
80					46.0	3.88	.020	26.55									
85					48.3	2.07	.018	26.47									
90					46.3	2.26	.018	28.18									
95					48.4	2.16	.017	25.37									
100					46.5	2.67	.018	27.37									
105					46.5	2.26	.015	28.11									
110					46.8	1.97	.024	28.27									
115					48.7	3.14	.016	24.31									
120					45.5	2.08	.018	29.19									
125	Same with more quartz.				46.1	5.62	.024	22.24	46.1	3.64	.019	25.82					
130					42.8	6.17	.024	26.38									
135					43.2	6.65	.018	25.77									
140					46.3	2.77	.013	23.39									
145					46.4	4.26	.020	24.56									
150					48.0	4.42	.038	21.41									
155					42.9	2.66	.018	29.89									
160					47.1	3.40	.017	24.47									
165					46.1	4.26	.018	24.70									
170					45.6	4.68	.011	24.74									
171					45.1	5.32	.017	24.82									

REMARKS

G-115 B

FORM 8C 11

M.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-116B

LOCATION – 136,240.4N-14,649.1W ELEVATION – 2762.0' DEPTH – 41'

DRILL TYPE – 22 T STARTED – July 4, 1948 COMPLETED – July 5, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"		3		.027	38.33									
10							.025	40.82									
15			Open				.024	31.55									
20	I.F. – enriched with refractory goethite and magnetite		Hole				.024	32.20									
25					3		.025	31.16									
30					2		.018	35.44	43.3	.18	.022	33.69					
35						6	.018	37.26									
40						13	.020	36.7									
41					44	21	.029	31.85									

REMARKS

G-116B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-117 B

LOCATION – 136,392.9 N-14,518.4 W ELEVATION – 2770.0' DEPTH – 205'

DRILL TYPE – 22 T STARTED – July 5, 1948 COMPLETED – July 6, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"		40.9	.32	.029	32.97									
10					46.0	.42	.029	25.83									
15					47.4	.42	.035	23.57									
20	Hematite, martite and magnetite, with fine quartz.		Open Hole		50.7	.24	.029	21.30									
25					51.2	.19	.020	21.88									
30					49.5	.30	.022	23.43	49.7	.20	.020	24.85					
35					48.3	.16	.018	27.29									
40					47.0	.16	.013	29.85									
45					51.3	.16	.015	25.34									
50	Hard blue hematite with some pyrolusite and quartz.				55.8	.88	.016	16.32									
55					57.7	.24	.017	14.89									
60					58.3	.21	.020	12.49	56.7	.46	.018	14.50	.09	.04	1.18	.010	1.94
65					57.9	.61	.018	11.75									
70					53.9	.37	.018	17.04									
75	Hematite and goethite with some chert and quartz.				52.4	7.00	.029	8.70									
80					53.5	4.40	.031	11.31									
85					43.2	10.30	.026	14.40									
90					52.4	4.26	.024	12.28	50.3	5.34	.023	13.58	.08	.05	1.74	.026	4.15
95					54.0	1.32	.024	14.33									
100					51.1	3.31	.016	16.37									
105					46.6	8.58	.015	14.51									
110					49.3	3.58	.016	16.70									
115	Same				52.2	2.18	.024	15.17	53.6	1.48	.020	15.40	.09	.05	1.28	.022	3.88
120					54.9	.79	.016	15.62									
125	Hematite, magnetite and martite, with some pyrolusite and quartz.				52.5	4.03	.013	13.71									
130					44.3	11.70	.011	14.06									
135					44.3	11.59	.013	14.78	47.0	7.80	.014	16.61	.09	.06	.47	.014	3.48
140					44.8	8.30	.013	19.27									
145					49.2	3.39	.018	21.24									
150	I.F. – enriched with hematite and magnetite, with some pyrolusite.				33.7	11.30	.029	28.91									
155					34.0	10.91	.032	27.93									
160					29.4	16.01	.022	29.04									
165					33.7	12.30	.015	29.10									
170					32.7	10.12	.016	32.21									
175					27.6	13.88	.016	35.96	36.4	10.10	.018	27.99					
180					32.9	10.90	.010	31.13									
185					37.0	11.00	.011	26.62									
190					43.5	6.44	.013	25.73									
195					48.0	6.01	.015	18.74									
200					48.4	2.26	.011	21.47									
205					Sample Missing												

REMARKS

G-117B

FORM 8C11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No.1 | DISTRICT – Quebec | HOLE NO.–G-118B

LOCATION – 136,211.2N-13,811.3W | ELEVATION – 2786.0' | DEPTH – 175'

DRILL TYPE – 22 T | STARTED – July 8, 1948 | COMPLETED – July 9, 1948 | LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"		42.2	.85	.025	27.76									
10	Magnetite and hematite with considerable quartz.				53.8	.37	.019	15.60									
15			Open		55.7	.40	.014	13.59	53.4	.42	.039	16.45	.09	.06	.83	.014	4.26
20			Hole		50.8	.50	.085	20.16									
25					44.5	3.44	.012	24.57									
30					48.2	2.90	.019	20.08									
35					52.4	1.03	.014	16.33									
40					48.9	.50	.016	22.50									
45					48.2	.29	.016	25.50									
50					48.1	.42	.012	25.64									
55					45.9	.48	.014	24.87									
60					50.0	.29	.014	23.70									
65					47.4	.29	.016	27.43									
70					45.1	.23	.018	29.55									
75					46.7	.24	.014	28.22									
80	I.F.–well enriched				43.6	.21	.014	31.42									
85					45.9	.21	.014	31.45									
90	with				44.1	.13	.016	30.30	48.0	.42	.018	26.34					
95					42.9	.21	.016	32.76									
100	magnetite and martite.				49.4	.13	.018	26.20									
105					49.8	.14	.019	25.62									
110					50.5	.10	.020	25.39									
115					49.3	.11	.019	25.15									
120					50.9	.08	.020	23.38									
125					51.0	.16	.020	23.52									
130					50.7	.07	.031	23.21									
135					53.0	.14	.035	21.35									
140					50.0	.10	.019	25.20									
145					46.1	.08	.019	31.31									
150					46.7	.14	.016	31.32									
155					47.0	.07	.022	29.67									
160					45.8	.08	.022	31.55									
165					48.5	.11	.018	27.41									
170					49.4	.10	.023	25.50									
175					Sample Missing–												

REMARKS

G-118B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-119 B

LOCATION – 136,084.6 N-13,968.7 W ELEVATION – 2784.5' DEPTH – 15'

DRILL TYPE – 22 T STARTED – July 9, 1948 COMPLETED – July 9, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15	Lean, dense I.F.																

REMARKS

Hole lost at 15'.
No analyses.

G-119B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-120 B

LOCATION – 136,334.8N-13,650.8W ELEVATION – 2798.1' DEPTH – 55'

DRILL TYPE – 22 T STARTED – July 10, 1948 COMPLETED – July 10, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			6"		31.3	2.96	.020	43.16									
10					33.4	3.28	.018	41.97									
15			Open		25.6	1.72	.009	55.40									
20			Hole		28.3	.98	.005	53.60									
25					35.9	2.14	.010	40.55									
30	Lean quartzose I.F.				27.7	1.48	.010	54.39	26.1	3.65	.012	51.84					
35					26.3	4.48	.013	50.58									
40					26.3	3.76	.010	52.95									
45					19.5	6.05	.015	57.33									
50					19.9	18.07	.013	49.02									
55					12.9	3.26	.011	71.28									

REMARKS

G-120 B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-121 B

LOCATION – 135,635.6N-15,319.2W ELEVATION – 2704.5' DEPTH – 180'

DRILL TYPE – 22 T STARTED – July 10, 1948 COMPLETED – July 13, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10					46.5	.74	.038	23.47									
15	Well enriched I.F.				45.9	.91	.034	23.58	46.5	.65	.037	23.05					
20					47.2	.29	.040	22.11									
25					53.2	.19	.018	17.54									
30					54.3	.32	.034	15.76									
35			Open		55.5	.35	.036	14.00									
40	Hematite and goethite		Hole		53.9	.37	.044	14.88									
45	with considerable fine quartz.				53.5	.19	.038	15.70	54.4	.30	.036	15.41	.08	.05	.65	.011	4.67
50					54.3	.19	.044	15.54									
55					54.3	.21	.034	15.90									
60					55.3	.29	.033	15.37									
65					55.0	.57	.040	14.02									
70	Black goethite and				50.3	2.66	.040	16.70									
75	pyrolusite with				45.8	6.21	.040	14.92	43.0	8.66	.036	17.07	.09	.04	.62	.009	5.63
80	fine quartz.				33.0	17.10	.029	19.60									
85					31.2	15.62	.039	23.00									
90					36.2	10.32	.056	23.90									
95					42.1	7.52	.034	18.75									
100					41.2	8.35	.034	18.10									
105	Limonite and pyrolusite				42.7	6.68	.036	18.31									
110	with fine				38.1	9.65	.032	21.10	40.4	8.76	.039	19.69	.09	.04	.56	.009	7.04
115	siliceous material.				39.0	12.10	.025	16.45									
120					42.4	7.46	.044	19.65									
125					38.3	10.50	.045	20.57									
130					43.3	7.13	.042	21.21									
135					40.6	3.46	.053	22.44									
140					42.0	6.70	.059	20.58									
145					34.4	3.19	.029	30.82									
150					31.7	11.65	.034	29.22									
155	I.F. – showing				31.6	3.01	.021	36.97									
160	manganese				34.2	6.88	.019	34.11	31.6	6.29	.022	28.12					
165	enrichment.				32.3	5.79	.017	39.40									
170					33.1	4.20	.027	39.65									
175					27.7	3.56	.014	48.83									
180					27.7	3.04	.016	50.35									

REMARKS

G-121B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-122B

LOCATION – 135,842.5N-15,852.8W ELEVATION – 2702.4' DEPTH – 140'

DRILL TYPE – 22 T STARTED – July 13, 1948 COMPLETED – July 14, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface	Casing	6"														
10																	
15																	
20			Open Hole														
25																	
30					39.5	.16	.019	37.31									
35					42.0	.16	.012	34.80									
40					45.5	.11	.014	30.23									
45					47.9	.27	.014	25.67									
50					46.9	.13	.017	27.30									
55					48.0	.08	.016	20.80									
60					47.4	.08	.017	28.59									
65					46.0	.08	.019	30.65									
70	I.F. – well enriched with				47.7	.05	.029	25.89									
75					49.3	.08	.035	22.01									
80	magnetite, hematite				50.0	.06	.042	20.90	46.4	.09	.020	28.56					
85					49.6	.08	.031	21.92									
90	and martite.				50.7	.08	.027	21.99									
95					49.5	.08	.023	24.79									
100					47.7	.08	.018	27.05									
105					46.0	.10	.020	29.86									
110					43.4	.08	.018	33.56									
115					44.5	.05	.012	31.90									
120					45.5	.11	.011	31.07									
125					46.1	.05	.012	30.80									
130					46.5	.05	.015	30.44									
135					40.8	.05	.017	38.44									
140					46.4	.10	.018	30.94									

REMARKS

G-122B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No.1 DISTRICT – Quebec HOLE NO. – G-123 B

LOCATION – 137,276.6N-17,258.8W ELEVATION – 2708.6' DEPTH – 170'

DRILL TYPE – 22 T STARTED – July 15, 1948 COMPLETED – July 16, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			6"		59.0	.16	.035	9.55									
10					59.9	.19	.035	7.53									
15					60.5	.13	.031	7.56									
20	Hematite		Open		61.8	.14	.027	7.11									
25			Hole		61.6	.11	.022	7.90									
30	with much martite				62.0	.10	.024	7.21	61.1	.13	.030	7.64	.09	.04	.28	.011	4.11
35					61.6	.13	.027	6.34									
40	and minor quartz.				62.3	.13	.029	6.53									
45					61.4	.11	.031	7.34									
50					61.1	.13	.038	8.23									
55					61.2	.14	.035	8.74									
60					60.0	.16	.037	10.53									
65					59.8	.09	.031	10.87									
70					59.4	.15	.031	12.20									
75					60.0	.16	.035	10.45									
80					59.8	.10	.029	10.59									
85	Some with more				60.0	.11	.047	9.32									
90					59.4	.16	.038	9.78									
95	jasp impregnated				58.2	.24	.040	11.07	58.1	.20	.038	11.79	.09	.05	.55	.015	3.75
100					59.8	.13	.038	9.48									
105	quartz.				58.5	.13	.038	11.65									
110					58.4	.16	.038	12.29									
115					56.9	.15	.047	13.33									
120					58.0	.16	.053	10.44									
125					54.0	.35	.031	14.52									
130					53.5	.96	.051	15.58									
135					53.4	.52	.029	16.54									
140					50.9	.24	.027	20.92									
145					51.1	.10	.030	20.83									
150	I.F. – well enriched				45.8	.42	.038	27.32									
155					46.6	.24	.038	26.33	48.7	.22	.038	23.40					
160	with martite.				48.8	.16	.040	22.50									
165					51.1	.19	.043	18.79									
170					46.3	.21	.049	27.10									

REMARKS

G-123B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-124 B

LOCATION – 137,592.8 N – 16,874.4 W ELEVATION – 2765.3' DEPTH – 33'

DRILL TYPE – 22 T STARTED – July 16, 1948 COMPLETED – July 17, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	I.F. – well enriched with hematite and martite.		6"		44.0	.15	.019	31.95	45.7	.13	.019	30.33					
10					43.7	.16	.021	32.37									
15					47.2	.13	.021	27.90									
20					42.1	.11	.023	34.51									
25			Open		47.8	.16	.017	26.30									
30			Hole		48.3	.10	.019	28.65									
33					47.1	.11	.015	30.65									

REMARKS

G-124 B

FORM 8C 11

K.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 | DISTRICT – Quebec | HOLE NO. – G-125 B

LOCATION – 137,579.9 N – 16,888.2 W | ELEVATION – 2762.3' | DEPTH – 225'

DRILL TYPE – 22 T | STARTED – July 17, 1948 | COMPLETED – July 19, 1948 | LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			6"		52.1	.08	.017	20.70									
10	Mostly martite with some unleached fragments and quartz.				52.0	.05	.019	21.27									
15					55.8	.05	.019	15.59	54.0	.06	.017	18.41	.10	.05	.96	.009	2.79
20			Open		55.0	.07	.014	17.29									
25			Hole		55.1	.05	.014	17.21									
30					51.2	.05	.017	23.23									
35					50.3	.03	.027	25.04									
40	Same with more fine quartz.				52.5	.08	.017	22.30									
45					50.2	.37	.017	25.28	50.9	.35	.019	24.43					
50					50.2	.71	.017	25.31									
55					52.2	.71	.010	22.60									
60					49.4	.45	.017	26.63									
65					51.9	.42	.017	23.67									
70					50.1	.32	.032	25.77									
75					48.9	.14	.016	27.34									
80					40.4	.18	.008	40.45									
85					41.0	.16	.011	40.47									
90					42.4	.15	.016	36.51									
95					43.0	.31	.014	35.04									
100					44.5	.29	.011	32.14									
105					44.1	.21	.018	32.90									
110					48.7	.13	.014	27.09									
115					46.7	.13	.017	30.49									
120					47.8	.10	.013	30.43									
125					46.4	.18	.015	30.72									
130					40.7	.19	.023	40.20									
135					43.1	.18	.010	34.70									
140	Sandy, well enriched I.F.				43.7	.08	.010	35.00	44.4	.12	.013	34.18					
145					46.8	.08	.011	29.60									
150					53.1	.08	.013	22.10									
155					45.2	.08	.013	33.70									
160					43.5	.08	.012	35.82									
165					43.1	.08	.009	36.70									
170					41.1	.08	.011	37.30									
175					40.5	.08	.011	37.94									
180					42.8	.05	.013	38.91									
185					41.8	.05	.015	37.50									
190					49.9	.06	.013	26.21									
195					44.5	.08	.015	34.52									
200					44.1	.06	.013	35.26									
205					43.5	.08	.012	35.41									
210					45.9	.05	.012	32.70									
215					44.6	.05	.015	35.02									
220					42.5	.05	.009	38.16									
225					42.2	.10	.017	38.11									

REMARKS

G-125 B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-126 B

LOCATION – 137,813.4 N-17,400.2W ELEVATION – 2731.4' DEPTH – 210'

DRILL TYPE – 22 T STARTED – July 19.1948 COMPLETED – July 20,1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25	Vuggy brown goethite and fine quartz.		Open		51.6	.08	.052	17.37	55.4	.08	.050	13.69	.10	.04	1.45	.012	4.30
30			Hole		59.2	.08	.048	10.00									
35					61.0	.08	.047	8.30									
40	Vuggy brown goethite with less quartz.				61.3	.13	.041	8.15									
45					62.2	.08	.032	7.30	61.3	.10	.040	8.29	.09	.04	1.00	.009	2.59
50					62.5	.07	.039	7.35									
55					59.0	.13	.036	11.15									
60					61.6	.08	.045	7.50									
65	Same but more siliceous.				58.7	.16	.039	11.41									
70					57.4	.10	.049	13.25									
75					59.7	.11	.043	10.34	57.0	.12	.044	12.87	.09	.05	1.81	.013	3.31
80					58.9	.15	.039	11.06									
85					50.4	.08	.049	18.31									
90					45.7	.10	.047	20.70									
95					48.6	.10	.073	17.94									
100					47.5	.13	.112	16.35									
105					38.9	.05	.035	27.14									
110					22.8	.08	.026	57.89									
115					35.9	.37	.033	32.43									
120					31.4	.16	.037	36.35									
125					30.2	.05	.04	35.77									
130	Cherty, sheared? I.F.				34.1	.08	.037	32.51									
135					36.0	.11	.035	31.39									
140	enriched with				29.1	.08	.035	34.93	33.4	.09	.035	40.33					
145					30.5	.05	.035	31.70									
150	pinky red hematite.				41.2	.13	.028	28.57									
155					37.6	.11	.022	36.64									
160					35.1	.13	.024	40.60									
165					39.6	.08	.026	38.23									
170					32.6	.05	.026	47.14									
175					27.6	.04	.022	56.17									
180					21.9	.08	.021	62.30									
185					25.1	.04	.026	53.95									
190					24.9	.04	.023	58.61									
195					22.6	.06	.024	64.43									
200					29.4	.05	.028	51.63									
205					32.4	.05	.028	47.92									
210					33.5	.10	.035	47.09									

REMARKS

G-126 B

FORM 8C II

H.N.S.E.Co.

DEPOSIT – GOODWOOD No.1 DISTRICT – Quebec HOLE NO. – G-127BD

LOCATION – 136,023.7N-16,419.1W ELEVATION – 2694.7' DEPTH – 323'

DRILL TYPE – 22 T STARTED – July 21, 1948 COMPLETED – August 1, 1948 LOGGED – R. Garon

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			6"		51.9	.16	.023	16.27									
10			"		58.1	.16	.028	8.92									
15			N.X.		60.9	.10	.024	3.90									
20					62.2	.18	.032	2.91									
25					62.4	.11	.036	2.43									
30					61.5	.21	.054	2.31									
35					61.4	.14	.054	3.31									
40					59.9	.03	.041	4.10									
45					61.4	.08	.041	3.62									
50					60.3	.10	.032	3.71									
55	Brown goethite,				62.0	.08	.034	3.25									
60					61.0	.16	.036	3.58									
65	limonite and hemanite,				60.8	.16	.021	3.39	59.8	.10	.031	4.54	.09	.05	1.14	.011	7.94
70					60.4	.16	.041	3.69									
75	with minor quartz.				60.4	.08	.034	3.78									
80					60.9	.08	.034	2.83									
85					60.8	.05	.036	3.35									
90					59.7	.11	.032	4.04									
95					60.5	.05	.028	3.46									
100					59.2	.05	.026	3.32									
105					58.8	.10	.024	3.21									
110					59.6	.18	.024	3.28									
115					59.2	.10	.032	4.78									
120					58.5	.03	.024	5.27									
125					59.4	.05	.023	4.38									
130					59.5	.03	.020	4.61									
135					58.6	.04	.017	5.83									
140					56.6	.04	.020	9.47									
145	More limonite				55.4	.05	.024	11.06									
150	with more quartz.				54.8	.05	.019	12.02	54.0	.04	.020	13.43	.09	.04	.32	.009	8.73
155					51.8	.04	.0	17.22									
160					48.5	.04	.017	21.74									
165					47.0	.04	.019	24.83									
170					45.6	.06	.017	27.50									
175	Fairly red hemanite				41.3	.10	.017	36.18									
180	with considerable				38.7	.05	.018	37.81	42.0	.05	.017	33.38					
185	quartz and kaolin.				42.4	.03	.017	32.46									
190					37.7	.03	.015	40.12									
195					35.9	.03	.017	43.51									
200					40.8	.06	.015	36.31									
205					51.0	.06	.019	19.50									
210					55.6	.08	.020	11.90									
215	Brown goethite				57.2	.04	.024	8.98									
220	and some hemanite				57.9	.04	.019	6.22	55.3	.06	.020	11.60	.09	.04	.90	.010	7.68
225	with fine quartz.				56.2	.06	.018	10.28									
230					56.3	.07	.017	10.22									
235					53.0	.08	.026	14.11									
240					57.2	.15	.034	8.90									
245					59.0	.11	.041	5.62									
250					58.5	.13	.038	6.50									
255					58.3	.10	.038	6.37									
260					58.9	.11	.038	5.53									
265					59.0	.13	.036	5.63									
270	Hard red-brown goethite				58.7	.13	.038	5.48									
275					59.2	.13	.045	4.39									
280	with minor		...		59.6	.08	.043	4.75	58.9	.14	.039	5.93	.08	.05	2.01	.012	6.61
285					Sample Missing –												
290	amounts of quartz.		BX		60.7	.18	.043	5.22									
295					59.0	.31	.037	6.90									
300					59.4	.13	.043	6.43									
305					59.7	.18	.039	6.50									
310					59.5	.11	.047	5.92									
315					Sample Missing –												
320			A.X		57.5	.18	.021	4.70									
323	Core – fragmental I.F.																

REMARKS

Deepened from 280' with Sullivan.

G-127BD

FORM 8C-1

H.N.S.E.Co.

DEPOSIT – GOODWOOD No.1 DISTRICT – Quebec HOLE NO. – G-128B

LOCATION – 136,815.2N-15,447.3W ELEVATION – 2773.8' DEPTH – 110'

DRILL TYPE – 22 T STARTED – July 23, 1948 COMPLETED – July 25, 1948 LOGGED – R.Gerard

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Chiefly hematite and martite, with very fine quartz.		6"		54.7	.15	.036	15.31									
10					56.5	.13	.038	11.87									
15			Open Hole		56.6	.16	.040	12.37									
20					56.6	.08	.031	11.74									
25					57.0	.06	.031	12.36									
30					56.4	.06	.025	12.98									
35					56.0	.05	.022	14.85									
40					58.4	.14	.027	10.67	56.3	.13	.028	13.95	.08	.05	.61	.008	3.94
45					59.0	.06	.026	11.05									
50					56.5	.10	.022	14.48									
55					56.8	.11	.022	15.00									
60					55.0	.08	.022	17.41									
65					56.0	.16	.024	14.94									
70					53.1	.26	.024	18.60									
75					55.3	.39	.024	15.59									
80	I.F. – well enriched with magnetite.				50.1	.18	.026	22.61	49.2	.28	.034	24.28					
85					48.2	.37	.047	25.96									
90					Sample Missing –												
95					Sample Missing –												
100	Same.																
105																	
110																	

REMARKS

No analyses 85 to 110'

G-128B

Form 3c 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-129B

LOCATION – 135,388.0N-16,406.9W ELEVATION – 2652.1' DEPTH – 85'

DRILL TYPE – 22 T STARTED – July 26, 1948 COMPLETED – July 27, 1948 LOGGED – R. Geron

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			6"														
10	Surface																
15																	
20	Surface 18'																
25					52.4	1.18	.043	14.36									
30					51.4	7.66	.043	7.05									
35					52.4	4.24	.043	10.12									
40	Chiefly magnetite				50.3	9.78	.034	4.71									
45			Open		33.7	6.22	.050	5.43									
50	with some		Hole		54.3	5.12	.041	6.38	51.2	6.43	.047	8.00	.08	.04	3.48	.006	4.60
55					52.9	5.86	.047	6.83									
60	pyrolusite and quartz				46.6	10.36	.049	7.50									
65					48.8	8.79	.056	7.03									
70					51.2	6.30	.054	7.05									
75					51.8	6.17	.056	7.01									
80					48.9	5.50	.049	12.49									
85	Enriched I.F.				45.8	3.76	.037	20.95	45.8	3.76	.037	20.95					

REMARKS

G-129B

FORM 8C 11

H.N.S.F.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-130B

LOCATION – 135,531.4 N – 16,238.8W ELEVATION – 2668.9' DEPTH – 185'

DRILL TYPE – 22 T STARTED – July 29, 1948 COMPLETED – July 30, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface	Casing	6"														
10																	
15																	
20	Limonitic I.F.				37.0	.21	.035	38.48									
25			Open Hole		41.0	.13	.030	33.90									
30					41.3	.21	.022	34.30	42.0	.32	.029	32.20					
35					42.9	.50	.030	31.17									
40					42.7	.21	.024	31.54									
45					47.1	.65	.034	23.80									
50	Same – with less quartz.				49.7	1.62	.030	19.05									
55					53.6	.44	.035	14.81	51.8	.91	.033	15.91	.09	.05	1.39	.009	7.08
60					52.2	.68	.033	13.84									
65	Cherty I.F. showing varying degrees of enrichment.				41.0	.23	.037	24.71									
70					27.4	.16	.052	34.60									
75					12.4	.04	.037	53.16									
80					9.1	.06	.026	69.72									
85					16.0	.10	.067	63.28									
90					20.3	.11	.067	61.94									
95					24.9	.05	.067	55.06									
100					38.0	.08	.101	35.28									
105					41.8	.05	.088	30.82									
110					38.9	.03	.086	35.85									
115					42.5	.10	.065	31.24	37.0	.10	.050	35.84					
120					45.7	.15	.063	25.98									
125					46.6	.10	.050	23.95									
130					42.9	.11	.043	30.29									
135					37.8	.07	.034	37.16									
140					40.2	.11	.039	34.22									
145					47.2	.11	.041	23.24									
150					45.7	.11	.037	26.27									
155					40.1	.10	.034	34.58									
160					40.8	.08	.032	32.29									
165					46.2	.07	.052	23.48									
170					41.6	.10	.039	32.26									
175					41.0	.08	.035	33.10									
180					48.9	.10	.030	21.58									
185					48.9	.08	.034	21.81									

REMARKS

G-130B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT - GOODWOOD No. 1 DISTRICT - Quebec HOLE NO. - G-131B

LOCATION - 135 325.5 N - 16,485.1 W ELEVATION - 2649.3' DEPTH - 36'

DRILL TYPE - 22 T STARTED - July 30, 1948 COMPLETED - July 30, 1948 LOGGED - R. Goren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25																	
30																	
35																	
36																	

REMARKS

Hole lost in overburden

G-131B

FORM DC 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No.1 DISTRICT – Quebec HOLE NO.–G–132 B

LOCATION – 135,273.9 N–16,455.4 W ELEVATION – 2642.3' DEPTH – 105'

DRILL TYPE – 22 T STARTED – July 31, 1948 COMPLETED – July 31, 1948 LOGGED – R. Gereny

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)												
									BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25																	
30																	
35	Fault gouge?		Open Hole														
40																	
45																	
50																	
55																	
60																	
65																	
70																	
75																	
80																	
85																	
90																	
95																	
100																	
105																	

REMARKS

No analyses

G-132B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-133B

LOCATION – 134,991.4N-16,110.6W ELEVATION – 2640.2' DEPTH – 95'

DRILL TYPE – 22T STARTED – August 1, 1948 COMPLETED – August 2, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on ignition
0-5	Surface		6"														
10																	
15					34.3	.13	.036	39.59									
20	Refractory cherty I.F.				33.5	.26	.017	40.46									
25			Open		37.1	.24	.021	36.91	37.4	.16	.022	36.81					
30			Hole		38.8	.11	.019	36.79									
35					43.4	.08	.019	30.30									
40	Very well enriched I.F.				52.9	.10	.036	17.90									
45					54.1	.08	.032	15.20	54.1	.12	.033	15.79	.10	.04	2.24	.011	3.42
50					55.4	.18	.032	14.26									
55					49.6	.16	.032	22.43									
60					42.8	.10	.026	33.38									
65					39.1	.08	.034	39.48									
70					50.3	.13	.020	22.32									
75	Lean cherty I.F.				45.5	.08	.028	30.15	45.3	.10	.028	30.23					
80					42.6	.08	.030	35.12									
85					42.4	.07	.028	35.52									
90					47.3	.11	.028	26.95									
95					48.4	.10	.026	26.72									

REMARKS

G-133B

FORM BC 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-134 B

LOCATION – 135,069.2 N – 16,008.4 W ELEVATION – 2651.7' DEPTH – 77'

DRILL TYPE – 22 T STARTED – August 2, 1948 COMPLETED – August 3, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25			Open														
30			Hole		42.6	.11	.025	31.42									
35					45.9	.40	.021	27.20									
40					43.9	3.34	.022	25.18									
45	I.F. – enriched				39.4	3.36	.019	30.84									
50					39.3	2.39	.021	33.31									
55	with martite				41.7	1.17	.021	32.14	44.4	1.18	.022	28.16					
60					48.5	.53	.026	23.32									
65	and magnetite.				47.7	.21	.019	27.44									
70					46.7	.18	.021	25.03									
75					48.6	.10	.021	25.74									
77																	

REMARKS

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-135B

LOCATION – 134,831.6N-16,308.5W ELEVATION – 2617.8' DEPTH – 45'

DRILL TYPE – 22T STARTED – August 3, 1948 COMPLETED – August 4, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)												
									BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface	Sod	6"														
10																	
15					41.4	.11	.026	35.72									
20			Open		45.3	.18	.028	30.72									
25	Enriched		Hole		43.1	.18	.034	32.70									
30					47.5	.19	.043	26.57	43.9	.14	.032	31.99					
35	quartzose I.F.				40.9	.05	.019	35.75									
40					45.4	.10	.043	30.50									
45																	

REMARKS

G-135B

FORM 3C 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-136 B

LOCATION – 134,673.4N – 16,489.8W ELEVATION – 2591.6' DEPTH – 70'

DRILL TYPE – 22 T STARTED – August 4, 1948 COMPLETED – August 5, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)												
									BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface	Casing	6"														
10																	
15																	
20																	
25	I.F. – fairly well enriched with magnetite and hematite.		Open Hole														
30																	
35																	
40																	
45																	
50																	
55																	
60																	
65																	
70																	

REMARKS

No analyses

G-136 B

FORM BC 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-137B

LOCATION – 134,654.0 N – 15,723.7 W ELEVATION – 2656.1' DEPTH – 20'

DRILL TYPE – 22 T STARTED – August 5, 1948 COMPLETED – August 5, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10	Lean refractory I.F.																
15																	
20																	

REMARKS

No analyses

G-137B

FORM 8C 11

H.N.S.F.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-138B

LOCATION – 134,338.6 N-15,326.3 W ELEVATION – 2660.1' DEPTH – 15'

DRILL TYPE – 22 T STARTED – August 6, 1948 COMPLETED – August 6, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10	Lean refractory I.F.																
15																	

REMARKS

No analyses

G-138 B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-139B

LOCATION – 134,054.6 N – 15,669.3 W ELEVATION – ?614.5' DEPTH – 30'

DRILL TYPE – 22 T STARTED – August 6, 1948 COMPLETED – August 7, 1948 LOGGED – R. Gerer

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)												
									BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25	Quartzose I.F. enriched with magnetite.																
30																	

REMARKS

No analyses.

G-139B

FORM 4C 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-140B

LOCATION – 136,214.2 N-15,392.2 E ELEVATION – 2736.0' DEPTH – 15'

DRILL TYPE – 22 T STARTED – August 7, 1948 COMPLETED – August 7, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10	Lean quartzose I.F.																
15																	

REMARKS

No analyses.

G-140B

FORM 8C 11

H.N.S.F. Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-141 B

LOCATION – 136,121.2N-15,510.3W ELEVATION – 2727.2' DEPTH – 70'

DRILL TYPE – 22 T STARTED – August 8, 1948 COMPLETED – August 8, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0	Surface		6"														
10																	
15					39.3	.34	.033	32.11									
20	Red hematite and martite with some fine quartz.				56.6	.18	.032	11.04									
25			Open Hole		61.5	.13	.037	4.96									
30					61.5	.16	.037	4.72									
35					61.6	.13	.037	5.26	60.1	.17	.037	6.42	.09	.04	2.38	.009	4.21
40					61.8	.18	.039	4.86									
45					62.0	.15	.043	4.78									
50					58.1	.18	.037	7.71									
55					57.5	.23	.037	8.06									
60	Same – with more quartz.				56.1	.23	.034	10.06									
65					55.1	.21	.026	12.74	56.1	.22	.028	11.19	.10	.04	2.49	.014	5.78
70					57.2	.21	.024	10.78									

REMARKS

G-141B

FORM BC 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-142B

LOCATION – 136,310.5 N – 15,276.4 W ELEVATION – 2744.3' DEPTH – 325'

DRILL TYPE – 22 T STARTED – August 9, 1948 COMPLETED – August 14, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20					55.9	.08	.020	16.54									
25					55.4	.10	.019	17.33									
30	Hard blue hematite				54.9	.10	.019	16.89									
35	with quartz and chert.		Open		58.5	.11	.017	13.29	56.4	.09	.018	16.21	.10	.04	.90	.011	1.00
40			Hole		60.2	.10	.015	11.16									
45					50.8	.08	.017	24.96									
50					58.8	.08	.017	13.32									
55					60.5	.10	.017	10.59									
60					63.9	.11	.019	7.82									
65	Hematite and martite				63.9	.45	.018	6.03									
70	with minor				62.7	.16	.020	7.33	62.7	.28	.019	7.44	.09	.04	.82	.010	1.20
75	quartz and kaolin.				63.3	.56	.020	6.02									
80					63.4	.40	.022	5.98									
85					61.3	.21	.019	8.32									
90					59.1	.16	.018	12.31									
95					57.7	.16	.015	13.90									
100					59.7	.37	.019	11.08									
105					63.4	.18	.017	5.56									
110	Same – with more				62.7	.13	.018	6.61									
115	quartz and some				58.4	.16	.022	13.15	58.6	.16	.020	12.23	.09	.04	.69	.012	1.07
120	unleached fragments.				57.5	.09	.020	13.52									
125					59.0	.16	.028	13.20									
130					56.1	.13	.024	14.49									
135					55.9	.10	.020	14.75									
140					55.4	.13	.018	15.99									
145					51.4	.08	.018	21.61									
150					47.0	.10	.024	27.45									
155					48.2	.13	.025	24.80									
160					50.9	.12	.025	21.34									
165	Well enriched				51.9	.10	.052	19.48									
170	limonitic I.F.				51.0	.1	.013	22.58	48.6	.15	.019	25.56					
175					52.5	.1	.011	21.14									
180					51.3	.10	.013	22.80									
185					43.8	.13	.009	32.33									
190					44.5	.13	.009	32.23									
195					43.4	.15	.012	33.59									
200					47.5	.48	.008	27.34									
205					45.6	3.62	.014	25.24									
210					43.4	6.96	.016	23.91									
215					44.5	4.14	.011	25.43									
220					46.1	2.82	.013	26.58									
225					47.9	5.40	.011	24.40									
230					43.6	5.37	.013	27.07									
235					42.6	5.50	.008	28.60									
240	Refractory I.F. enriched				42.8	4.56	.018	28.46									
245					40.1	6.76	.011	29.84									
250	with hematite and magnetite,				39.5	5.80	.009	26.69	42.0	4.87	.014	29.16					
255					43.4	6.44	.009	24.17									
260	some pyrolusite.				43.3	6.62	.014	23.69									
265					40.0	7.16	.016	29.28									
270					43.9	3.90	.016	28.00									
275					38.0	3.12	.018	37.78									
280					42.0	3.20	.018	32.70									
285					40.7	2.35	.015	35.69									
290					37.5	4.14	.020	35.43									
295					36.7	5.98	.015	34.12									
300					39.5	3.50	.016	36.23									
305					38.9	2.64	.015	38.05									
310					39.6	2.13	.016	37.72									
315	Lean quartzose I.F.				43.3	2.09	.020	32.78	41.8	1.71	.021	35.10					
320					43.2	1.02	.027	33.45									
325					44.0	.69	.029	33.42									

REMARKS

G-142B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 | DISTRICT – Quebec | HOLE NO.–G-143B

LOCATION – 136,221.2N-15,385.1W | ELEVATION – 2737.1' | DEPTH – 66'

DRILL TYPE – 22 T | STARTED – August 14, 1948 | COMPLETED – August 15, 1948 | LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15					40.5	.16	.051	33.65									
20					42.6	.13	.047	33.38									
25					46.6	.14	.061	26.03									
30	I.F. – well enriched				47.0	.08	.067	24.53									
35			Open		47.5	.11	.054	24.64									
40	with		Hole		45.1	.07	.045	27.88	45.6	.11	.049	28.00					
45					46.0	.10	.040	29.16									
50	goethite and magnetite.				45.1	.10	.040	29.20									
55					53.8	.12	.054	15.10									
60					46.8	.11	.041	27.70									
65					40.8	.10	.043	36.70									
66																	

REMARKS

G-143B

FORM 3611

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-144B

LOCATION – 136,548.4 N – 14,982.3 W ELEVATION – 2760.0' DEPTH – 95'

DRILL TYPE – 22 T STARTED – August 15, 1948 COMPLETED – August 15, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25	Hard brown goethite and limonite with minor quartz.		Open Hole		55.5	.12	.040	14.33									
30					60.4	.05	.042	7.04									
35					59.2	.10	.036	7.41									
40					56.0	.05	.033	11.85									
45					57.8	.05	.036	9.12									
50					59.5	.06	.042	7.28									
55					61.0	.10	.047	5.44	60.7	.10	.031	7.11	.09	.05	.41	.012	4.66
60					62.0	.14	.034	5.16									
65					62.2	.09	.033	5.48									
70					63.0	.14	.025	4.32									
75					63.0	.12	.018	4.81									
80					63.5	.05	.018	4.82									
85					62.3	.14	.016	6.69									
90					62.8	.14	.022	6.12									
95					62.7	.19	.025	6.84									

REMARKS

G-144B

FORM BC 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO.–G-145 B

LOCATION –136,015.7 N–14,847.8 W ELEVATION–2749.2' DEPTH – 90'

DRILL TYPE – 22 T STARTED–August 16, 1948 COMPLETED–August 16, 1948 LOGGED–R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0–5	Surface	Casing	6"														
10																	
15																	
20			Open Hole														
25																	
30																	
35																	
40	I.F.–enriched with																
45																	
50	a mixture of limonite,																
55																	
60	hematite and martite.																
65																	
70																	
75																	
80																	
85																	
90																	

REMARKS

No analyses

G-145 B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-146B

LOCATION – 135,724.6 N – 15,203.8 W ELEVATION – 2716.2' DEPTH – 320'

DRILL TYPE – 22 T STARTED – August 17, 1948 COMPLETED – August 19, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25	I.F. – enriched with limonite, magnetite and hematite.		Open Hole		39.7	.08	.020	36.89									
30					41.2	.05	.025	34.41									
35					40.8	.10	.025	35.22									
40					41.9	.08	.033	33.19	43.2	.07	.031	31.09					
45					45.7	.08	.038	26.54									
50					43.6	.08	.035	30.79									
55					49.3	.03	.044	20.59									
60	Limonite and fine siliceous material.				50.4	.08	.051	18.41									
65					49.8	.05	.053	19.79	50.0	.06	.053	19.00	.09	.03	.37	.014	7.92
70					50.2	.05	.054	18.17									
75					49.8	.05	.053	19.64									
80	Limonite and much fine quartz.				44.7	.06	.051	28.52									
85					40.5	.05	.031	36.02									
90					38.9	.04	.027	38.24									
95					40.2	.08	.024	36.96									
100					39.1	.05	.027	37.84									
105					43.7	.08	.027	30.04									
110					49.8	.16	.044	19.85									
115					47.9	.03	.038	23.19	45.7	.07	.034	27.30					
120					47.6	.03	.027	24.53									
125					48.8	.06	.032	22.00									
130					49.5	.03	.034	20.69									
135					48.7	.08	.032	21.98									
140					48.0	.03	.027	25.17									
145					49.2	.08	.032	22.22									
150					48.3	.13	.043	23.04									
155					46.1	.08	.041	26.59									
160	Enriched I.F. – with coarse quartz.				50.2	.08	.049	19.07									
165					51.0	.08	.054	17.07	51.2	.09	.053	17.12					
170					50.9	.07	.056	17.07									
175					52.5	.13	.054	15.25									
180	Blue hematite and martite – with much fine impregnated quartz.				48.7	.13	.027	22.75									
185					46.9	.08	.022	27.18									
190					46.3	.08	.022	28.39									
195					46.7	.10	.023	27.27									
200					46.7	.11	.022	27.99									
205					47.7	.11	.020	26.33	47.4	.46	.024	25.79					
210					49.4	.52	.020	23.26									
215					47.7	.29	.025	25.50									
220					46.2	.98	.031	26.55									
225					46.8	1.30	.025	24.82									
230					48.0	1.41	.024	23.69									
235	Soft red hematite with considerable pyrolusite.				46.9	3.80	.025	21.54									
240					38.2	16.00	.022	19.90									
245					38.0	11.70	.025	23.28									
250					42.1	9.05	.024	21.97									
255					40.7	9.47	.025	22.58	45.0	7.46	.025	19.57	.10	.04	1.07	.009	4.32
260					47.7	5.20	.022	18.45									
265					49.0	5.64	.029	16.04									
270					50.4	3.68	.025	16.49									
275					52.1	2.53	.025	15.91									
280	Fairly red and blue hematite – with unleached fragments.				52.0	1.70	.031	15.95									
285					48.1	.64	.027	23.43									
290					52.3	.50	.034	17.35	51.9	.92	.032	16.97					
295					52.2	.59	.036	16.02									
300					54.7	1.17	.031	12.11									
305	I.F. – well enriched with limonite and martite.				48.6	.42	.029	22.68									
310					42.6	.26	.024	32.70									
315					42.0	.39	.025	34.23	44.4	.36	.026	29.87					
320					Sample Missing.												

REMARKS

G-146B

FORM 8C11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-147 B

LOCATION – 135,540.7 N-15,423.4W ELEVATION – 2691.8' DEPTH – 120'

DRILL TYPE – 22 T STARTED – August 19, 1948 COMPLETED – August 19, 1948 LOGGED – R. Gerey

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20			Open		51.1	.08	.033	18.39									
25	Limonite and goethite with considerable fine quartz.		Hole		50.7	.08	.036	18.85									
30					52.6	.08	.034	15.18	51.8	.07	.035	16.65	.10	.03	.73	.014	7.32
35					50.6	.05	.038	18.43									
40					54.0	.08	.034	12.38									
45					56.2	.05	.038	8.56									
50	Hard blue hematite and limonite with less quartz.				56.5	.05	.044	7.94									
55					56.0	.13	.049	8.63	56.1	.09	.046	8.32	.10	.03	1.74	.011	9.00
60					56.8	.07	.053	7.28									
65					55.5	.13	.051	8.32									
70					55.3	.11	.044	9.19									
75					53.7	.13	.040	11.42									
80	Refractory brown goethite and impregnated quartz.				53.7	.10	.040	13.72									
85					53.1	.08	.045	14.06	53.4	.10	.044	13.67	.10	.03	1.22	.012	7.81
90					53.0	.10	.053	14.54									
95					53.3	.11	.044	14.61									
100					46.5	.05	.044	24.48									
105					45.1	.10	.036	27.92									
110	Enriched I.F.				43.4	.05	.033	31.26	44.4	.11	.036	29.08					
115					43.4	.09	.035	31.00									
120					43.5	.26	.033	30.76									

REMARKS

G-147B

FORM 8C 11

H.N.S.F.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-148 B

LOCATION – 135,236.5N–15,011.3W ELEVATION – 2713.9' DEPTH – 20'

DRILL TYPE – 22 T STARTED – August 20, 1948 COMPLETED – August 20, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0 5	Surface	0 to 6	6"														
10																	
15																	
20	IF?																

REMARKS

No analyses

G-148B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – GOODWOOD No. 1 DISTRICT – Quebec HOLE NO. – G-149B

LOCATION – 135,109.6N–15,169.2W ELEVATION – 2690.0' DEPTH – 45'

DRILL TYPE – 22 T STARTED – August 20, 1948 COMPLETED – August 21, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20	I.F.–enriched																
25																	
30	with limonite		Open Hole														
35																	
40																	
45					Sample Missing –												

REMARKS No Analyses

G-149B

TWP 4155 Total 3069' (Lewis Lac, Lemoine 21-17, 28-17)

FORM BC 11 (3-48)

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 DISTRICT – Quebec HOLE NO. – S-101 B

LOCATION – 117,232.2N-6,612.5E ELEVATION – 2,875.9' DEPTH – 305'

DRILL TYPE – 22 T STARTED – August 26, 1948 COMPLETED – August 30, 1948 LOGGED – R. Garen

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface.		6"														
10																	
15																	
20																	
25																	
30	Quartzite.		Open Hole														
35																	
40																	
45																	
50																	
55	Mixture of hematite, limonite and martite, with minor quartz.				59.1	.10	.027	6.55									
60					55.2	.03	.030	9.28									
65					63.0	.05	.021	4.93									
70					63.3	.10	.023	6.11									
75					63.1	.08	.021	4.38									
80					64.0	.08	.020	3.48									
85					62.4	.08	.021	5.29									
90					63.1	.08	.022	4.00									
95					61.9	.08	.021	5.31	61.1	.08	.023	5.96	.10	.04	1.62	.013	4.44
100					61.1	.10	.027	5.24									
105					61.7	.13	.020	5.53									
110					63.0	.10	.018	4.50									
115					62.6	.05	.020	4.61									
120					62.9	.10	.021	3.99									
125					62.6	.08	.018	4.39									
130					61.7	.10	.023	4.96									
135					59.7	.11	.023	6.54									
140					58.9	.04	.025	8.55									
145					58.2	.06	.027	9.62									
150					54.4	.03	.023	13.93									
155	Limonitic enriched I.F.				48.5	.03	.023	22.22									
160					43.1	.03	.021	29.68									
165					45.7	.03	.016	26.80	44.4	.04	.031	28.72					
170					44.0	.03	.066	29.66									
175					40.7	.06	.027	35.26									
180	Quartzose I.F. – with limonite and hematite.				39.6	.07	.021	34.93									
185					39.5	.08	.025	35.90									
190					Sample Missing												
195					32.2	.03	.023	43.95									
200					33.0	.10	.022	43.61									
205					30.4	.05	.016	48.57									
210					27.4	.03	.018	53.25	36.0	.05	.018	40.46					
215					35.2	.05	.016	42.23									
220					33.0	.05	.025	41.28									
225					39.7	.03	.012	36.77									
230					39.8	.05	.014	35.57									
235					39.5	.03	.014	36.87									
240					43.2	.03	.014	32.57									
245	Well enriched I.F.				45.8	.03	.021	28.56									
250					47.5	.05	.018	26.07									
255					48.3	.03	.018	26.32									
260					48.7	.03	.022	26.04	48.1	.04	.018	26.32					
265					46.5	.05	.016	27.49									
270					48.5	.03	.012	26.14									
275					49.3	.04	.020	24.53									
280					49.8	.04	.018	25.43									
285	Same.				52.3	.03	.018	21.83									
290					51.8	.08	.018	21.75									
295					48.7	.03	.020	25.58	50.7	.06	.018	23.32					
300					55.2	.03	.030	9.28									
305					Sample Missing												

REMARKS

Ministère des Richesses Naturelles, Québec

SERVICE DES GITES MINÉRAUX

No GM- H06-A

S-101B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT--SUNNY LAKE No. 1 DISTRICT - Quebec HOLE NO.-S-102B

LOCATION - 117,387.2 N-6,708.0E ELEVATION - 2,894.6' DEPTH - 305'

DRILL TYPE - 22 T STARTED - August 30, 1948 COMPLETED - Sep 1, 1948 LOGGED - R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15	Ore debris				48.0	.05	.030	23.07									
20					45.4	.03	.025	26.96									
25					50.1	.08	.028	21.12									
30			Ore		56.0	.05	.027	12.13									
35			Hole		56.2	.06	.029	12.40									
40					53.9	.04	.047	13.89									
45					55.5	.03	.021	12.92									
50					54.5	.05	.021	14.37									
55					57.8	.03	.013	11.47									
60					58.2	.06	.016	10.48									
65					58.1	.03	.020	12.97									
70					54.0	.03	.016	17.18									
75	Hematite and martite,				52.5	.03	.014	19.94									
80					54.1	.02	.016	17.29									
85	with considerable				53.7	.04	.012	18.74	56.3	.04	.020	14.80	.10	.04	.63	.013	3.48
90					53.8	.03	.016	18.94									
95	fine pink quartz.				53.4	.03	.018	19.47									
100					55.6	.05	.018	17.10									
105					56.4	.05	.020	16.68									
110					56.6	.03	.023	16.07									
115					57.3	.03	.025	15.46									
120					57.5	.03	.027	14.84									
125					58.7	.03	.018	13.83									
130					59.1	.03	.016	13.44									
135					58.4	.05	.023	14.18									
140					58.5	.03	.018	13.34									
145					58.7	.05	.021	13.33									
150					59.0	.06	.025	11.50									
155					60.3	.08	.032	9.99									
160					60.6	.03	.027	9.60									
165	Hard blue hematite				61.1	.05	.023	8.74									
170	with				Sample Missing				61.1	.06	.026	9.37	.10	.04	1.28	.008	1.47
175	less pink quartz.				61.0	.10	.025	9.80									
180					62.2	.05	.027	8.43									
185					61.4	.08	.021	9.67									
190					60.2	.08	.016	11.11									
195	Blue hematite and martite				58.9	.05	.019	13.43									
200	with more				58.4	.03	.021	13.83	57.7	.06	.019	14.97	.08	.04	.98	.007	.75
205	fine pink quartz.				55.9	.03	.018	17.97									
210					55.2	.10	.019	18.50									
215					53.4	.16	.014	20.95									
220					52.5	.10	.016	22.65									
225	I.F.-very well				51.2	.07	.021	24.34									
230	enriched				48.7	.13	.021	27.60	48.8	.11	.020	27.73	.09	.05	.15	.009	.83
235	with martite.				41.0	.08	.021	38.62									
240					44.2	.10	.021	34.16									
245					50.3	.13	.025	25.80									
250					55.6	.11	.034	17.00									
255	Martite and hematite				57.6	.16	.050	13.00									
260	with some quartz.				59.1	.10	.045	10.21	57.7	.12	.044	12.85	.08	.04	2.11	.011	1.72
265					58.5	.11	.048	11.20									
270					60.5	.10	.045	8.53									
275	Slaty blue and soft				59.4	.10	.039	9.40									
280	red hematite,				60.6	.08	.043	7.74									
285	with minor quartz.				61.2	.16	.043	8.11	61.5	.10	.045	7.62	.10	.04	2.17	.009	1.58
290					62.7	.11	.048	6.64									
295					62.0	.10	.050	7.30									
300					63.3	.07	.052	6.10									
305					62.5	.08	.037	7.15									

REMARKS

S-102B

FORM 3C 11

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 | DISTRICT – Quebec | HOLE NO. – S-103B

LOCATION – 118,469.8N – 6,026.6E | ELEVATION – 2,926.3' | DEPTH – 60'

DRILL TYPE – 22 T | STARTED – Sep. 7, 1948 | COMPLETED – Sep. 8, 1948 | LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20	I.F. – fairly well enriched with hematite and magnetite		Open Hole		43.5	.13	.025	32.81									
25					41.9	.04	.020	38.24									
30					45.6	.16	.020	33.36									
35					43.4	.04	.020	34.08									
40					47.0	.16	.020	30.78	45.1	.19	.021	32.99					
45					47.8	.18	.018	29.46									
50					45.9	.13	.022	33.05									
55					45.4	.82	.018	32.06									
60					45.7	.05	.023	33.13									

REMARKS

S-103B

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 DISTRICT – Quebec HOLE NO. – S-104B

LOCATION – 118,392.5 N – 5,969.1 E ELEVATION – 2,927.4' DEPTH – 145'

DRILL TYPE – 22 T STARTED – Sep. 8, 1948 COMPLETED – Sep. 9, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0–5	Surface		6"														
10																	
15																	
20																	
25	Limonitic enriched I.F.		Open Hole		39.6	.16	.022	38.95	39.1	.08	.26	40.20					
30					38.8	.08	.022	40.00									
35					37.5	.07	.017	43.41									
40					38.4	.06	.020	42.54									
45					40.0	.09	.013	41.73									
50					40.9	.05	.027	39.13									
55					39.3	.13	.034	41.06									
60					38.7	.10	.032	41.93									
65					37.7	.11	.033	42.47									
70					40.1	.05	.034	38.72									
75					41.8	.08	.038	32.99									
80					36.3	.04	.025	39.45									
85	I.F. – showing more enrichment with blue hematite.				50.1	.10	.020	25.61	47.5	.06	.015	30.60					
90					49.6	.05	.018	26.78									
95					49.8	.08	.018	27.06									
100					48.7	.03	.010	28.7									
105					44.2	.07	.013	35.90									
110					45.3	.08	.013	34.66									
115					45.0	.05	.015	34.88									
120					46.3	.03	.013	33.62									
125					48.5	.08	.016	29.93									
130					51.9	.06	.015	25.25									
135					49.6	.04	.016	27.53									
140					44.6	.04	.016	34.98									
145					44.4	.07	.013	32.86									

REMARKS

S-104B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 DISTRICT – Quebec HOLE NO. – S-105B

LOCATION – 118,554.3N-6,094.6E ELEVATION – 2,930.1' DEPTH – 25'

DRILL TYPE – 22 T STARTED – Sep. 10, 1948 COMPLETED – Sep. 10, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiC_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15	I. F. –				49.7	.10	.038	26.16									
20	fairly well enriched.		Open		43.5	.04	.034	35.39	44.2	.10	.034	33.54					
25			Hole		39.5	.15	.029	40.08									

REMARKS

S-105B

FORM 8C-11

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 | DISTRICT – Quebec | HOLE NO. – S-106B

LOCATION – 116,858.0N – 7,015.0E | ELEVATION – 2,845.3' | DEPTH – 295'

DRILL TYPE – 22 T | STARTED – Sep. 10, 1948 | COMPLETED – Sep. 14, 1948 | LOGGED – R. Geran

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Limonitic stained blue hematite and quartz.		6"		56.1	.10	.032	12.97									
10					54.8	.08	.034	14.47	55.8	.08	.032	12.95	.11	.05	1.47	.009	4.07
15					56.6	.05	.03.	11.41									
20			Open		62.2	.06	.31	5.53									
25	Same – with some magnetite and martite, and less quartz.		Hole		62.0	.03	.025	5.86									
30					62.4	.10	.031	4.91	63.2	.07	.031	4.44	.10	.04	.54	.009	4.14
35					63.8	.05	.032	3.52									
40					64.3	.11	.032	3.79									
45					64.8	.09	.033	3.00									
50					64.3	.05	.043	2.53									
55					63.6	.04	.060	3.39									
60					64.0	.05	.060	2.88									
65					63.7	.06	.058	3.82									
70					63.6	.03	.060	4.42									
75	Red stained blue hematite				63.8	.04	.060	5.04									
80					61.8	.03	.034	7.41									
85	and much martite,				63.0	.05	.051	5.21	62.5	.05	.053	6.22	.09	.04	.81	.011	2.99
90					63.6	.05	.060	5.24									
95	with minor quartz.				61.2	.08	.051	8.24									
100					62.3	.04	.051	6.98									
105					58.9	.10	.047	11.29									
110					59.9	.08	.049	10.36									
115					61.2	.03	.047	9.75									
120					62.2	.04	.067	6.87									
125					61.2	.08	.031	8.74									
130	About same.				60.7	.04	.034	9.04	61.5	.06	.030	7.90	.09	.03	.67	.008	2.90
135					61.9	.05	.027	7.24									
140					62.2	.06	.029	6.59									
145					Sample Missing												
150	Vuggy blue hematite, with some				60.0	.09	.029	10.74									
155	fairly coarse quartz.				56.2	.03	.027	15.95	56.3	.05	.027	16.04	.09	.05	.89	.011	2.10
160					54.4	.05	.027	18.93									
165					54.7	.03	.027	18.52									
170					48.4	.04	.025	27.67									
175	Refractory I.F. – with				49.3	.06	.024	26.79									
180	some chert.				45.5	.03	.030	32.75	45.8	.04	.032	31.78					
185					41.0	.03	.032	38.21									
190					40.6	.03	.032	39.15									
195					49.4	.06	.052	26.13									
200					42.0	.04	.034	37.85									
205					37.0	.03	.031	44.90									
210					41.9	.03	.036	37.08									
215	Leaner cherty I.F.				37.1	.03	.038	43.80	40.1	.04	.040	44.42					
220					36.9	.03	.040	44.90									
225					40.4	.05	.045	38.98									
230					41.0	.05	.052	37.92									
235					44.4	.03	.047	43.77									
240					54.2	.05	.056	19.29									
245	I.F. – considerably more enriched.				52.3	.06	.061	21.64	52.8	.06	.064	20.68	.08	.04	1.24	.008	2.26
250					51.8	.05	.065	22.18									
255					53.0	.08	.074	19.60									
260	Cherty I.F.				44.6	.03	.072	30.42	41.6	.05	.067	32.98					
265					41.7	.08	.063	33.11									
270					38.5	.04	.065	35.42									
275					33.7	.06	.069	42.18									
280	Lean cherty I.F.				25.9	.03	.065	53.21	25.4	.04	.052	54.30					
285					23.7	.03	.045	59.29									
290					23.4	.05	.045	58.32									
295	Cherty quartzite.				20.5	.03	.034	58.53									

REMARKS

S-106B

FORM 3C 11

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 | DISTRICT – Quebec | HOLE NO. – S-107B

LOCATION – 116,723.4 N – 6,894.7 E | ELEVATION – 2,833.0' | DEPTH – 89'

DRILL TYPE – 22 T | STARTED – Sep. 15, 1948 | COMPLETED – Sep. 16, 1948 | LOGGED – R. Garen

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20	Ore – contaminated with surface.				51.1	.21	.033	19.49	51.9	.17	.030	18.52	.08	.04	1.81	.010	3.67
25			Open Hole		52.7	.13	.027	17.55									
30					60.2	.16	.023	8.64									
35					60.4	.13	.025	8.19									
40					64.0	.16	.025	4.35									
45	Blue hematite and martite				64.7	.08	.027	3.86									
50					65.2	.03	.027	2.98									
55	with				64.8	.05	.038	3.55	63.3	.11	.031	5.04	.08	.04	.53	.009	3.47
60					65.0	.08	.032	3.36									
65	minor quartz.				64.4	.09	.033	4.32									
70					63.9	.13	.036	4.23									
75					63.6	.14	.045	3.72									
80					63.0	.10	.030	4.62									
85					60.0	.15	.028	8.60									
89	Same with more quartz.				55.5	.11	.030	14.51	55.5	.11	.030	14.51	.08	.05	.57	.009	4.39

REMARKS

S-107B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 DISTRICT – Quebec HOLE NO. – S – 108 B

LOCATION – 116,388.3 N – 7,398.0 E ELEVATION – 2,795.1' DEPTH – 85'

DRILL TYPE – 22 T STARTED – Sep. 16, 1948 COMPLETED – Sep. 18, 1948 LOGGED – R. Garen

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface.		6"														
10																	
15																	
20																	
25	Cherty I.F. with some hematite enrichment.		Open		38.7	.05	.040	41.56									
30			Hole		34.7	.06	.043	47.20	36.9	.08	.042	44.10					
35					36.7	.07	.043	44.06									
40					37.4	.08	.040	43.58									
45	Well enriched I.F.				46.0	.08	.044	30.57	47.4	.08	.044	28.44					
50					48.7	.07	.044	26.26									
55	Lean cherty I.F.				38.8	.08	.044	38.02									
60					33.0	.05	.056	40.30	34.4	.06	.055	43.80					
65					32.7	.08	.064	43.33									
70					33.2	.05	.059	43.57									
75	Cherty quartzite.				16.0	.03	.036	71.17	15.8	.04	.035	66.22					
80					13.8	.03	.054	71.30									
85					17.7	.05	.036	65.20									

REMARKS

S-108 B

FORM 2C 11

H.N.S.F. Co.

DEPOSIT – SUNNY LAKE No. 1 | DISTRICT – Quebec | HOLE NO. – S-109 B

LOCATION – 116,298.3 N – 7,344.2 E | ELEVATION – 2,787.4' | DEPTH – 75'

DRILL TYPE – 22 T | STARTED – Sep. 18, 1948 | COMPLETED – Sep. 19, 1948 | LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface.		6"														
10					38.2	.35	.038	37.41									
15			Open		37.9	.19	.034	39.59									
20	Cherty enriched I.F.		Hole		40.5	.21	.040	36.27	39.2	.17	.037	38.83					
25					39.8	.16	.041	39.36									
30					38.3	.08	.041	42.16									
35					40.8	.05	.044	38.18									
40	Well enriched cherty I.F. – near lean ore.				51.8	.03	.056	22.52									
45					53.1	.05	.062	19.78	51.1	.08	.066	22.98	.09	.04	2.09	.006	1.61
50					49.3	.10	.069	24.02									
55					50.1	.08	.077	23.65									
60					35.9	.08	.087	43.69									
65	I. F. – Chert and hematite.				25.6	.16	.062	60.10									
70					22.1	.11	.049	62.79	27.9	.10	.066	55.52					
75					Sample Missing												

REMARKS

S-109 B

FORM 3C 11

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 DISTRICT – Quebec HOLE NO. – S-110B

LOCATION – 116,531.2N – 7,802.6E ELEVATION – 2,813.9' DEPTH – 42'

DRILL TYPE – 22 T STARTED – Sep. 20, 1948 COMPLETED – Sep. 20, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15			Open														
20	Quartzose I.F. showing a little enrichment.		Hole														
25																	
30																	
35																	
40																	
42																	

REMARKS

No analyses

S-110 B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 DISTRICT – Quebec HOLE NO. – S-111 B

LOCATION – 116,214.9 N – 7,201.6 E ELEVATION – 2,786.3' DEPTH – 20'

DRILL TYPE – 22 T STARTED – Sep. 21, 1948 COMPLETED – Sep. 21, 1948 LOGGED – R. Ceren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface – Chiefly enriched I.F. debris.		6"														
10																	
15																	
20																	

REMARKS

No analyses

S-111 B

FORM 3C11

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 DISTRICT – Quebec HOLE NO. – S-112 B

LOCATION – 116,734.2 N – 6,908.3 E ELEVATION – 2,833.8' DEPTH – 111'

DRILL TYPE – 22 T STARTED – Sep. 22, 1948 COMPLETED – Sep. 24, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			6"														
10																	
15	Surface.																
20																	
25					43.3	.26	.045	27.90									
30	Ore – contaminated		Open		55.1	.08	.043	13.62	50.2	.18	.038	19.75	.08	.04	2.45	.008	4.58
35	with surface.		Hole		45.4	.29	.032	25.88									
40					60.8	.16	.036	7.05									
45					60.5	.13	.043	6.87									
50					63.4	.03	.029	5.03									
55	Limonitic stained blue				65.1	.03	.023	2.88									
60					65.8	.07	.020	3.20									
65	hematite and magnetite				66.1	.07	.022	2.66	62.9	.09	.032	5.54	.09	.04	.27	.005	3.44
70					64.2	.08	.032	4.74									
75	with minor quartz.				63.8	.10	.025	5.12									
80					63.2	.11	.036	5.38									
85					61.3	.08	.031	7.23									
90					61.4	.10	.052	5.97									
95					59.0	.07	.036	10.35									
100	Same – with more quartz				53.4	.15	.027	19.63	53.4	.15	.027	19.63	.10	.03	.21	.007	3.09
105	Well enriched				51.1	.12	.025	23.72									
110	quartzose I.F. —				48.2	.05	.031	28.50	50.9	.09	.025	24.23					
111					53.3	.11	.018	20.47									

REMARKS

S-112B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 DISTRICT – Quebec HOLE NO. – S-113 B

LOCATION – 117,529.5 N – 6,788.9 E ELEVATION – 2,905.5' DEPTH – 135'

DRILL TYPE – 22 T STARTED – Sep. 24, 1948 COMPLETED – Sep. 25, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface.		6"														
10																	
15																	
20																	
25	Well enriched quartzose I.F.		Open		49.2	.13	.022	23.45									
30			Hole		49.6	.08	.024	25.12									
35					51.6	.08	.022	23.62	49.8	.08	.023	25.07					
40					48.7	.05	.024	28.10									
45	Quartzose and cherty I.F. showing less enrichment.				46.1	.05	.034	32.52									
50					45.4	.08	.031	33.25									
55					41.2	.03	.032	38.07									
60					41.3	.06	.029	38.70									
65					38.7	.10	.027	42.00	42.8	.06	.031	36.21					
70					40.7	.05	.025	38.74									
75					40.1	.08	.027	39.88									
80					43.3	.05	.029	35.62									
85					49.1	.06	.045	27.15									
90	Soft blue hematite with some quartz and chert.				55.1	.06	.056	18.07									
95					54.9	.08	.052	18.02	55.8	.08	.056	16.68	.09	.04	1.40	.005	1.70
100					57.4	.10	.061	13.94									
105	Pairty red hematite and chert.				40.4	.05	.083	33.00									
110					43.6	.08	.074	31.43									
115					36.6	.05	.088	37.19	39.1	.06	.076	35.33					
120					35.9	.05	.059	39.70									
125	Very cherty I.F.				28.5	.06	.058	50.10									
130					13.4	.06	.023	75.50	19.5	.05	.037	64.90					
135					16.6	.04	.031	64.10									

REMARKS

S-113 B

FORM DC 11

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 DISTRICT – Quebec HOLE NO. – S-114 B

LOCATION – 117,614.7 N – 5,381.9 E ELEVATION – 2,880.3' DEPTH – 52'

DRILL TYPE – 22 T STARTED – Sep. 26, 1948 COMPLETED – Sep. 27, 1948 LOGGED – R. Gerem

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)												
									BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface.		6"														
10																	
15																	
20			Open														
25	Quartzose I.F. –		Hole														
30	enriched with limonite																
35	and some magnetite.																
40																	
45																	
50																	
52																	

REMARKS

No analyses

S-114 B

FORM BC 11

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 DISTRICT – Quebec HOLE NO. – S-115 B

LOCATION – 117,802.0 N – 5,452.8 E ELEVATION – 2,881.3' DEPTH – 65'

DRILL TYPE – 22 T STARTED – Sep. 27, 1948 COMPLETED – Sep. 27, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface.		6"														
10																	
15																	
20	Quartzose I.F. – fairly well enriched with hematite, limonite and some magnetite.		Open Hole														
25																	
30																	
35																	
40																	
45																	
50																	
55																	
60																	
65																	

REMARKS

No analyses.

S-115 B

FORM 3C II

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 DISTRICT – Quebec HOLE NO. – S-116 B

LOCATION – 117,986.0 N – 4,832.9 E ELEVATION – 2,876.8' DEPTH – 51'

DRILL TYPE – 22 T START ED – Sep. 28, 1948 COMPLETED – Sep. 29 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0–5	Surface.		6"														
10																	
15																	
20																	
25	Well enriched quartzose I.F. – near lean ore.		Open Hole														
30																	
35																	
40																	
45																	
50																	
51																	

REMARKS

No analyses.

S-116B

FORM BC 11

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 DISTRICT – Quebec HOLE NO. – S-101

LOCATION – 118,276.0 N – 5,170.6 E ELEVATION – 2,903.2' DEPTH – 99'

DRILL TYPE – Sullivan STARTED – August 25, 1948 COMPLETED – August 28, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.		31.5	.58	.036	40.90									
10					59.6	.10	.022	12.70									
15					55.6	.12	.025	16.74									
20					61.2	.14	.018	10.00									
25	Cindery hematite with				59.6	.05	.022	13.20									
30	much martite and				59.2	.10	.024	12.42									
35	some limonite,				61.4	.12	.020	9.12	58.1	.11	.036	11.70	.11	.05	3.02	.012	3.40
40	considerable				60.8	.07	.035	7.22									
45	fine quartz.				25.2	.10	.110	26.25									
50					61.5	.07	.027	6.41									
55					61.4	.15	.029	6.90									
60					54.1	.24	.046	12.90									
65					58.9	.15	.042	7.77									
70					57.2	.07	.049	10.50									
75	Hematite and goethite				51.2	.12	.03[illegible]	21.32	41.0	.08	.030	35.74					
80	with much fine quartz.				30.7	.05	.024	52.15									
85	Hard blue hematite				56.7	.15	.029	14.60									
90	with much fine quartz.				51.4	.07	.029	20.13	53.7	.09	.029	18.14	.10	.05	1.41	.011	2.49
95					53.0	.05	.029	19.70									
99	Quartzose I.F.				49.9	.09	.020	25.17	49.9	.09	.020	25.17					

REMARKS

S-101

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 DISTRICT – Quebec HOLE NO. – S-102

LOCATION – 118,760.4 N – 4,478.4 E ELEVATION – 2,865.9' DEPTH – 89'

DRILL TYPE – Sullivan STARTED – August 29, 1948 COMPLETED – August 31, 1948 LOGGED – R. Creren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)												
									BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface	core	N.X.														
10																	
15																	
20																	
25	Refractory I.F.																
30	enriched with martite,																
35	limonite and goethite.																
40																	
45																	
50																	
55																	
60																	
65																	
70	I.F. – well enriched																
75	with blue hematite.																
80																	
85																	
89																	

REMARKS

No analyses.

S-102

FORM B-11

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 DISTRICT – Quebec HOLE NO. – S-103

LOCATION – 118,142.2N-5,017.1E ELEVATION – 2,888.2' DEPTH – 16'

DRILL TYPE – Sullivan STARTED – August 29, 1948 COMPLETED – August 30, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10	Chiefly hematite and																
15	magnetite w																
16																	

REMARKS Hole lost in caving ground.
No analyses.

S-103

FORM 8C II

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No.1 DISTRICT – Quebec HOLE NO. – S-104

LOCATION – 118,147.0 N – 5,013.5 E ELEVATION – 2,888.1' DEPTH – 85'

DRILL TYPE – Sullivan STARTED – August 30, 1948 COMPLETED – Sep. 21, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.		39.1	.19	.025	36.19									
10					57.9	.16	.029	13.30									
15	Blue hematite, magnetite				60.4	.13	.027	8.73									
20	and minor quartz.				65.5	.11	.025	4.06	61.0	.15	.030	9.20	.12	.04	.64	.014	2.61
25					60.0	.21	.039	10.72									
30																	
35	Core – fresh oolitic I.F.																
40	showing																
45	little enrichment.		B.X.														
50																	
55																	
60																	
65	Core – slightly		A.X.														
70	enriched																
75	ferro-carbonate.																
80																	
85																	

REMARKS 0-25' sludge. 25' to 85' core and sludge which was all I.F. and not analysed.

S-104

FORM DC 11

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 DISTRICT – Quebec HOLE NO. – S – 105

LOCATION – 117,778.7N – 6,286.5E ELEVATION – 2,920.5' DEPTH – 108'

DRILL TYPE – Sullivan STARTED – Sep. 1, 1948 COMPLETED – Sep. 9, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10																	
15					59.2	.11	.025	7.42									
20	Chiefly brown goethite				60.6	.05	.020	6.10									
25	with some hematite				60.0	.06	.022	6.57	61.6	.09	.021	6.06	.08	.04	.68	.014	4.61
30	and minor quartz.				64.3	.12	.020	3.78									
35					63.8	.11	.017	6.45									
40					57.7	.05	.017	14.45									
45					57.6	.15	.015	14.05									
50	Martite and goethite				57.5	.10	.015	13.34									
55	with more		B.X.		59.6	.05	.017	11.52	57.3	.08	.015	14.82	.10	.04	.21	.007	2.01
60	impregnated quartz.				57.1	.05	.017	15.01									
65					54.7	.05	.013	19.50									
70					57.1	.08	.013	15.87									
75					47.9	.11	.013	29.73									
80	Blue hematite with				47.4	.05	.013	30.07									
85	much fine quartz.				48.1	.10	.016	29.37	48.5	.08	.013	28.92					
90					50.4	.08	.011	26.50									
95					54.4	.08	.015	20.00									
100	Dense hard blue hematite				62.8	.10	.015	8.40									
105	with some quartz.				60.8	.11	.015	10.95	59.4	.11	.014	13.03	.09	.05	.30	.008	.70
108					59.8	.15	.011	12.76									

REMARKS

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 | DISTRICT – Quebec | HOLE NO. – S-106

LOCATION – 118,691.0N – 4,415.4E | ELEVATION – 2,866.2' | DEPTH – 90'

DRILL TYPE – Sullivan | STARTED – Sep. 1, 1948 | COMPLETED – Sep. 6, 1948 | LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10																	
15																	
20	I. F.				48.4	.32	.045	24.77	48.4	.32	.045	24.77					
25	Goethite and limonite with quartz and chert.				56.2	.18	.041	16.17									
30					50.2	.10	.052	23.44	54.2	.13	.049	17.87	.11	.04	.78	.009	3.21
35					56.1	.11	.054	13.99									
40	Quartzose I.F. enriched with goethite.				47.8	.08	.052	25.81									
45					42.0	.08	.063	32.45	43.9	.08	.061	26.67					
50					42.0	.09	.068	31.73									
55	Vuggy blue hematite with unleached fragments.				55.0	.16	.034	18.14									
60					57.2	.18	.032	15.65	56.1	.17	.033	16.90	.12	.05	.46	.009	2.03
65	I. F. slightly enriched with goethite.				21.6	.24	.023	23.08									
70					45.8	.26	.030	32.00									
75			B.X.		33.3	.37	.021	48.77	41.7	.44	.028	36.28					
80					36.1	.88	.036	41.28									
85			A.X.		NOT ANALYZED												
90																	

REMARKS Core 40-90 dense quartzose I.F. with some bands of hematite enrichment.

S-106

FORM BC 11

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 | DISTRICT – Quebec | HOLE NO. – S-107

LOCATION – 118,556.3N – 4,301.0E | ELEVATION – 2,863.8' | DEPTH – 55'

DRILL TYPE – Sullivan | STARTED – Sep. 6, 1948 | COMPLETED – Sep. 8, 1948 | LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10																	
15					25.7	.30	.033	49.19									
20	Dense nodular hematite and quartz.				56.6	.91	.014	15.68	57.0	.88	.015	15.32	.11	.05	.62	.010	.29
25					57.4	.85	.016	14.96									
30	Vuggy black hematite with more quartz.				56.7	5.06	.018	10.27									
35					50.5	2.96	.021	19.88	54.2	3.24	.019	15.57	.12	.04	.44	.007	1.50
40					55.5	1.71	.018	16.57									
45	I.F. – enriched with blue hematite.				42.4	.85	.016	36.50									
50			B.X.		56.0	.56	.012	18.68	48.3	.53	.018	28.71					
55					46.8	.18	.021	30.95									

REMARKS

Core 39-50' lean oolitic and jaspery I.F.

S-107

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 | DISTRICT – Quebec | HOLE NO. – S-108

LOCATION – 119,015.6 N – 3,882.8 E | ELEVATION – 2,859.7' | DEPTH – 40'

DRILL TYPE – Sullivan | STARTED – Sep. 9, 1948 | COMPLETED – Sep. 9, 1948 | LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10																	
15																	
20	Blue hematite with				55.2	.08	.015	19.09	55.8	.12	.016	17.68	.11	.04	.42	.008	1.08
25	much pink quartz.				56.3	.16	.016	16.26									
30	I.F. – enriched				53.3	.13	.018	21.42									
35	with blue hematite.				49.0	.07	.013	28.56	51.9	.12	.016	23.96					
40					53.5	.15	.016	21.89									

REMARKS

FORM 3C 11

H.N.S.E. Co.

DEPOSIT – SUNNY LAKE No. 1 DISTRICT – Quebec HOLE NO. – S-109

LOCATION – 117,907.6N-6,332.4E ELEVATION – 2,923.9' DEPTH – 113'

DRILL TYPE – Sullivan STARTED – Sep. 9, 1948 COMPLETED – Sep. 16, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)												
									BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface	SV	N.X.														
10	Hematite and limonite				40.4	.06	.026	35.05									
15	with much fine				38.7	.10	.026	37.37	39.3	.06	.023	36.87					
20	impregnated quartz.				37.3	.05	.017	40.38									
25					40.7	.03	.019	34.67									
30	Same –				49.9	.11	.026	19.46									
35	with less quartz.				49.7	.05	.026	19.48	50.1	.07	.036	18.94					
40					50.7	.05	.056	17.87									
45					40.5	.06	.031	31.09									
50					35.9	.15	.019	42.28									
55					48.0	.06	.016	21.15									
60	I.F. – well enriched				48.0	.04	.012	25.27									
65	with				47.8	.08	.007	22.56	41.8	.07	.013	34.38					
70	hematite and martite.				32.6	.10	.010	50.35									
75					42.9	.05	.007	37.46									
80					40.1	.08	.007	40.15									
85					41.1	.05	.008	39.08									
90					46.5	.05	.007	33.01									
95					44.5	.06	.006	34.95									
100	About same.				45.2	.08	.008	33.04	47.7	.06	.008	30.25					
105					46.4	.06	.012	32.02									
110					50.1	.07	.006	26.79									
113					53.5	.05	.010	21.69									

REMARKS

S-109

FORM 8C 11

H.N.S.E. Co.

DEPOSIT – SUNNY LAKE No. 1 | DISTRICT – Quebec | HOLE NO. – S-110

LOCATION – 119,014.1 N – 3,881.8 E | ELEVATION – 2,859.7' | DEPTH – 197'

DRILL TYPE – Sullivan | STARTED – Sep. 9, 1948 | COMPLETED – Sep. 17, 1948 | LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10																	
15																	
20					50.6	.18	.019	24.47									
25					45.0	.16	.018	33.01									
30					42.1	.24	.021	37.05									
35	I.F. – enriched with martite and magnetite.				34.3	.24	.021	47.85									
40					54.5	.27	.021	19.28	46.3	.63	.019	30.48					
45					45.3	.40	.020	31.43									
50					48.9	.72	.019	26.13									
55					50.3	.93	.017	25.26									
60					42.2	1.23	.016	35.97									
65					49.4	1.92	.021	24.34									
70					39.3	1.39	.017	39.28									
75	I.F. – showing loose enrichment.				33.8	1.10	.018	41.51									
80					33.7	.77	.017	47.29	36.0	.92	.017	40.79					
85					37.4	.40	.016	44.72									
90	I.F. – slightly more enrichment.				41.6	1.92	.023	35.07									
95					49.4	1.79	.018	25.19	46.3	1.75	.021	29.17					
100			A.X.		47.9	1.55	.023	27.25									
105	Blue hematite, magnetite and martite, with considerable coarse quartz.				57.6	1.84	.026	12.63									
110					48.8	1.33	.028	26.00									
115					56.6	2.16	.026	13.43	54.9	2.17	.028	15.60	.11	.05	.50	.011	1.46
120					56.6	3.34	.031	10.35									
125	Same – with more coarse quartz.				31.4	1.20	.023	49.94									
130					44.2	3.48	.039	28.68	37.8	2.56	.029	38.71					
135					37.7	3.00	.025	37.52									
140	Same – with more fine pink quartz.				47.4	2.03	.031	26.61									
145					50.2	2.27	.028	22.30									
150					48.5	3.54	.030	22.04	49.5	2.13	.028	22.12	.11	.05	.54	.012	1.58
155					51.8	.67	.025	17.52									
160	More enrichment with much fine impregnated quartz.				51.9	3.34	.031	14.10									
165					50.3	2.59	.031	21.12									
170					54.2	1.26	.030	14.92	51.9	2.74	.028	18.89	.11	.04	.57	.025	1.71
175					48.8	2.19	.026	23.94									
180					51.8	1.55	.030	21.80									
185					51.3	3.50	.023	17.45									
190	Vuggy blue hematite with some pink quartz.				51.2	.86	.018	23.35									
195					62.9	.56	.005	8.17	57.6	.67	.012	15.40	.10	.05	.62	.012	.32
197					58.8	.59	.014	14.68									

REMARKS

Core 80-90' ferro-carbonate I.F.

S-110

FORM DC 11

H.N.S.F.Co.

DEPOSIT – SUNNY LAKE No.1 DISTRICT – Quebec HOLE NO. – S-111

LOCATION – 117,149.2 N – 6,473.4 E ELEVATION – 2,864.6' DEPTH – 108'

DRILL TYPE – Sullivan STARTED – Sep. 16, 1948 COMPLETED – Sep. 21, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface.		N.X.														
10																	
15					30.7	.18	.024	45.25									
20	Grey quartzite.				7.0	.03	.012	64.10									
25					3.5	.03	.006	69.31									
30					3.4	.03	.010	68.39									
35					3.3	.03	.008	84.03	4.77	.03	.009	75.78					
40					2.8	.04	.007	81.20									
45					3.1	.03	.008	85.68									
50					10.3	.05	.011	77.77									
55	I.F. – well enriched with cindery blue hematite.				42.9	.07	.021	34.19									
60					52.3	.08	.021	22.94									
65					52.1	.06	.016	23.62	51.0	.07	.021	24.08	.09	.04	.46	.011	.50
70					52.4	.09	.019	23.57									
75					53.7	.04	.026	21.24									
80					52.5	.08	.024	18.89									
85	I.F. – showing less enrichment.				49.5	.10	.028	27.16									
90					50.6	.21	.028	25.45	50.7	.15	.024	25.38	.10	.04	.54	.009	.59
95					52.0	.14	.017	23.56									
100	Same – slightly more enriched.				56.6	.15	.027	17.65									
105					54.5	.16	.033	20.27	55.2	.14	.026	19.21	.09	.05	.44	.011	.76
108					54.5	.11	.019	19.72									

REMARKS

S-111

FORM 8C 11

H.N.S.E. Co.

DEPOSIT – SUNNY LAKE No. 1 DISTRICT – Quebec HOLE NO. – S-112

LOCATION – 118,876.6 N – 3,828.5 E ELEVATION – 2,859.5' DEPTH – 40'

DRILL TYPE – Sullivan STARTED – Sep. 17, 1948 COMPLETED – Sep. 19, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)												
									BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0–5	Surface		NX.														
10																	
15																	
20	I.F. – well enriched with magnetite and blue hematite.																
25																	
30																	
35																	
40																	

REMARKS No analyses.
Core 10–40 brecciated cherty I.F. with some veinlets of pyrolusite.

S-112

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 DISTRICT – Quebec HOLE NO. – S-113

LOCATION – 118,071.9 N – 4,927.4 E ELEVATION – 2,884.8' DEPTH – 145'

DRILL TYPE – Sullivan STARTED – Sep. 22, 1948 COMPLETED – Sep. 26, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		N.X.														
10																	
15					55.8	.10	.009	13.06									
20					63.6	.13	.018	3.05									
25	Vuggy brown goethite and hematite – with minor quartz.				63.5	.11	.013	3.94									
30					61.1	.15	.009	8.10	61.7	.14	.013	6.44	.09	.04	.33	.013	4.62
35					62.4	.21	.013	6.51									
40					62.5	.18	.011	5.89									
45					63.1	.13	.017	4.54									
50					59.7	.13	.013	10.40									
55	Limonitic stained blue hematite with considerable pink quartz.				57.3	.14	.009	14.87									
60					56.2	.16	.013	15.56									
65					56.0	.26	.024	16.58	56.0	.18	.014	16.19	.10	.04	.18	.009	2.34
70					51.9	.15	.013	22.87									
75					55.2	.23	.011	16.84									
80					48.4	.21	.010	27.07									
85					43.0	.16	.010	36.14									
90					50.8	.18	.011	23.19									
95			B.X.		54.0	.26	.010	18.75									
100	Lean quartzose I.F. – enriched with some magnetite.				48.9	.15	.016	27.38									
105					51.5	.16	.020	23.36									
110					44.5	.21	.020	33.91	48.1	.34	.017	28.04					
115					46.9	.24	.018	30.23									
120					42.9	.19	.022	36.10									
125					42.7	.2	.022	29.04									
130					55.4	.47	.022	17.27									
135					42.1	.55	.017	37.40									
140					47.9	1.00	.018	26.92									
145					49.6	.74	.020	25.85									

REMARKS

S-113

FORM BC 11

H.N.S.E.Co.

DEPOSIT – SUNNY LAKE No. 1 DISTRICT – Quebec HOLE NO. – S-114

LOCATION – 118,447.9 N – 4,226.8 E ELEVATION – 2,871.5' DEPTH – 24'

DRILL TYPE – Sullivan STARTED – Sep. 27, 1948 COMPLETED – Sep. 28, 1948 LOGGED – R. Geren

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)												
									BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		B.X.														
10	Dense slightly enriched oolitic I.F.																
15																	
20																	
24																	

REMARKS All core
No analyses

S-114

Canton 4056

(Bloc 3)

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – STAR CREEK No.2 DISTRICT – Quebec HOLE NO. – SC-201B

LOCATION – 42,672.0 N – 67,705.4 E ELEVATION – 2112.0' DEPTH – 25'

DRILL TYPE – 22 T STARTED – Oct. 4, 1948 COMPLETED – Oct. 4, 1948 LOGGED – H.W. Fleming

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15	I.F. – well enriched with blue hematite.				36.2	.27	.06[illegible]	37.3	37.5	.26	.074	35.11					
20					38.8	.24	.03[illegible]	34.19									
25																	

Ministère des Richesses Naturelles, Québec

SERVICE DES GISEMENTS MINÉRAUX

No G.M.- 406-A

REMARKS

SC-201B

FORM RC 11

H.N.S.E.Co.

DEPOSIT – STAR CREEK No. 2 | DISTRICT – Quebec | HOLE NO. – SC-202B

LOCATION – 42,767.7N – 67,734.2E | ELEVATION – 2099.0' | DEPTH – 40'

DRILL TYPE – 22 T | STARTED – Oct. 4, 1948 | COMPLETED – Oct. 5, 1948 | LOGGED – H.W. Fleming

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface-		6"														
10																	
15																	
20																	
25	Hematite and martite with considerable quartz—		Open Hole		50.2	.16	.064	20.52	51.9	.21	.073	18.22	.07	.05	2.47	.013	3.64
30					50.2	.19	.067	20.16									
35					51.6	.30	.074	18.86									
40					55.8	.19	.087	13.32									

REMARKS

SC-202B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT - STAR CREEK No.2 DISTRICT - Quebec HOLE NO. - SC-203 B

LOCATION - 42,790.2 N - 67,548.4 E ELEVATION - 2,121.4' DEPTH - 70'

DRILL TYPE - 22 T STARTED - Oct. 5, 1948 COMPLETED - Oct. 7, 1948 LOGGED - H.W. Fleming

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15	Limonitic blue hematite and martite, with some pyrolusite and considerable quartz.				51.4	2.13	.042	12.82	50.6	1.57	.045	17.92	.09	.05	.46	.008	3.10
20					50.8	2.46	.041	16.68									
25					50.5	1.34	.041	16.94									
30					48.3	1.45	.042	19.54									
35			Open		49.8	1.31	.051	21.92									
40			Hole		52.5	.76	.051	19.62									
45	Well enriched quartzose I.F.				50.0	.54	.053	23.45	49.7	1.46	.052	22.82					
50					48.8	.63	.044	26.34									
55					48.2	.38	.056	26.83									
60					53.3	.36	.060	19.36									
65					49.2	2.02	.050	22.76									
70					49.2	4.80	.048	18.20									

REMARKS

SC-203B

FORM BC 11

H.N.S.E.Co.

DEPOSIT – STAR CREEK No.2 DISTRICT – Quebec HOLE NO. – SC-204B

LOCATION – 42,292.7 N-68,871.5 E ELEVATION – 2100.2' DEPTH – 42'

DRILL TYPE – 27 T STARTED – Oct. 5, 1948 COMPLETED – Oct. 6, 1948 LOGGED – H.W. Fleming

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE	ANALYSES (DRY)											
									BLOCK AVERAGES							
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"													
10					45.5	1.23	.032	27.13								
15	Hematite and martite with much fine impregnated quartz.		Open Hole		45.5	1.23	.032	27.13								
20					46.6	1.45	.030	26.68	47.6	1.84	.032	25.26				
25					48.9	2.32	.033	23.97								
30					49.4	2.35	.035	23.27								
35	Same – with less quartz.				52.7	1.83	.032	20.22								
40					54.9	2.46	.046	15.62	54.0	2.34	.042	17.35	.09	.06	.40	.009	1.11
42					54.5	2.74	.049	16.20								

REMARKS

SC-204B

FORM SC 11

H.N.S.E.Co.

DEPOSIT - STAR CREEK No. 2 | DISTRICT - Quebec | HOLE NO. - SC-205 B

LOCATION - 42,421.0 N - 68,961.7 E | ELEVATION - 2085.1' | DEPTH - 49'

DRILL TYPE - 27 T | STARTED - Oct. 8, 1948 | COMPLETED - Oct. 10, 1948 | LOGGED - H.W. Fleming

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20	Limonitic blue hematite with considerable impregnated quartz.		Open hole		55.4	.30	.035	16.62									
25					52.5	.36	.037	20.12									
30					55.7	.30	.030	16.70									
35					54.6	.38	.033	19.24	55.1	.34	.038	17.70	.09	.06	.69	.013	1.13
40					57.1	.42	.035	16.17									
45					55.5	.30	.056	17.37									
49																	

REMARKS

SC-205B

FORM 8C 11

H.N.S.E.Co.

DEPOSIT – STAR CREEK No.2 | DISTRICT – Quebec | HOLE NO. – SC-206B

LOCATION – 42,401.3 N – 68,234.0 E | ELEVATION – 2100.3' | DEPTH – 61'

DRILL TYPE – 22 T | STARTED – Oct. 7, 1948 | COMPLETED – Oct. 9, 1948 | LOGGED – H.W. Fleming

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY)				BLOCK AVERAGES								
					Fe	Mn	P	SiO_2	Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5	Surface		6"														
10																	
15																	
20																	
25	I.F.– well enriched with hematite and pyrolusite				42.4	10.85	.033	21.20									
30					42.3	9.25	.032	22.60									
35					40.5	7.65	.030	28.31									
40					41.5	8.15	.028	25.99	39.8	8.02	.028	28.46					
45			Open		37.6	6.26	.025	34.46									
50			Hole		39.3	5.88	.023	32.78									
55					35.8	8.07	.025	33.86									
60	Hematite, martite and pyrolusite.				45.6	9.00	.025	18.77									
61					43.6	11.22	.025	17.65	44.6	10.11	.025	18.21					

REMARKS

FORM DC 11

H.N.S.E.Co.

DEPOSIT – STAR CREEK No. 2 DISTRICT – Quebec HOLE NO. – SC-207B

LOCATION – 42,518.8N-68,337.3E ELEVATION – 2125.5' DEPTH – 83'

DRILL TYPE – 22 T STARTED – Oct. 9, 1948 COMPLETED – Oct. 11, 1948 LOGGED – H.W. Fleming

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2	BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition
0-5			6"		58.9	.29	.033	9.54									
10					58.5	.21	.031	9.85									
15					61.9	.13	.033	6.57									
20					62.7	.16	.031	5.45									
25					63.3	.13	.029	4.56									
30					63.7	.15	.027	4.23									
35					61.7	.14	.024	7.66									
40	Hematite and martite with some quartz.		Open		51.4	.11	.022	23.07									
45			Hole		61.9	.06	.016	8.93	60.9	.13	.024	8.91	.08	.05	.72	.011	2.08
50					64.7	.10	.017	5.46									
55					60.5	.05	.016	10.40									
60					61.5	.13	.016	9.06									
65					58.4	.14	.022	13.65									
70					58.9	.08	.024	12.45									
75					63.4	.10	.025	6.25									
80					64.6	.15	.020	4.14									
83					59.7	.07	.027	13.24									

REMARKS

SC-207B

FORM BC 11

H.N.S.E.Co.

DEPOSIT – STAR CREEK No.2 DISTRICT – Quebec HOLE NO. – SC-208B

LOCATION – 42,192.3 N – 69,619.5 E ELEVATION – 2125.5' DEPTH – 90'

DRILL TYPE – 27T STARTED – Oct. 10, 1948 COMPLETED – Oct. 11, 1948 LOGGED – H.W. Fleming

FOOTAGE	CLASSIFICATION OF MATERIAL	LOG	HOLE SIZE	SLUDGE WT	ANALYSES (DRY) Fe	Mn	P	SiO_2
0-5	Surface	Sludge	6"					
10								
15								
20								
25								
30	I.F. – enriched with blue hematite, martite and some psilomelane.							
35			Open Hole					
40								
45								
50						.		
55								
60								
65								
70								
75								
80								
85								
90								

BLOCK AVERAGES Fe	Mn	P	SiO_2	CaO	MgO	Al_2O_3	S	Loss on Ignition

REMARKS

No analyses-

SC-208B