

GM 01451-C

DIAMOND DRILL SAMPLING RECORD, HIGH ROCK MINE

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 SMELTING & REFINING LIMITED

215 ST. JAMES STREET WEST — MONTREAL

PROPERTY HIGH ROCK MINE

HOLE NO. U-1

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 1

DIP 49° LENGTH 207' HOR. COMP. Elevation Collar 478.4 BEARING

LOCATION 6 E Stope DIRECTION OF BORE 229°40' LAT. 53°38'N DEP. 5839E

DISTANCE		DESCRIPTION	SLUDGE FROM	SAMPLE NO.	LENGTH FEET	ANALYSIS							
FROM	TO					GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZINC %	IRON %		
0.0	3.0	Casing				FAP	BPL (chem.)	BPL (calc.)					
3.0	10.0	Massive acid gneiss. Possibly intrusive?											
10.0	12.2	Pink granite - possibly leopard granite											
12.2	20.05	Massive pyroxenite - a few spots of apatite and small patches of pyroxenite											
20.5	25.0	Banded intermediate gneiss - banding at 50° to core axis.											
25.0	53.0	Pyroxenite - occasional bands of massive apatite and some dissem. apatite. There are a few short lengths of intermediate gneiss and some patchy pegmatite											
		25.0 - 26.5 - Pyroxenite about 40% light green sugary apatite	20	30	C-0732	10.0		5.85					
			30	40	C-0726	10.0		16.82					
					C-0678	1.5		27.65					
		44.0 - 46.0 - Apatite, about 20% pyroxenite	40	50	C-0725	10.0		1.97					
					C-0679	2.0		71.30					
53.0	88.0	Gray pegmatite - considerable pyroxenite in patchy remnants and a few spots of apatite											
88.0	102.0	Pyroxenite - granitized to some extent - rare apatite											

PUBLIC

Ministère des Richesses Naturelles, Québec
SERVICE DES GITES MINÉRAUX
No GM-1451-C

QUEBEC SMELTING & REFINING LIMITED

PROPERTY HIGH ROCK

215 ST. JAMES STREET WEST — MONTREAL

HOLE NO. U-1

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 2

DIP 49° LENGTH 207' HOR. COMP. Elev. Collar 478.4 BEARING

LOCATION 6 E Stope DIRECTION OF BORE 229°40' LAT. 53°28'N DEP. 5839E

DISTANCE		DESCRIPTION	SLUDGE		SAMPLE NO.	LENGTH FEET	ANALYSIS						
FROM	TO		FROM	TO			GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZINC %	IRON %	
							FAP	BPL (chem.)	BPL (calc.)				
102.0	111.6	Pegmatite - with included pyroxenite											
111.6	152.7	Pyroxenite - partially granitized. Apatite occurs erratically as massive bands & as light disseminations											
		<u>112.6 - 114.0 - Apatite -</u> Approximately 10% pyroxenite			C-0680	1.4		68.81					
		<u>114.0 - 118.2 Pyroxenite, rare apatite</u>	110	120	C-0727	10.0		57.91					
		<u>118.2 - 119.2 - Pyroxenite with about 20% apatite</u>			C-0997	2.7		1.16					
					C-0681	1.0		11.58					
			120	130	C-0728	10.0		29.45					
		<u>119.2 - 122.0 - Apatite</u> 5 to 10% pyroxenite			C-0682	2.8		79.32					
		<u>142.8 - 145.5 - Apatite</u> 5 - 10% pyroxenite			C-0683	2.7	95		80.7				
		<u>145.5 - 149.0 intermediate grain, rare apatite</u>	140	150	C-0723	10.0	23		19.5				
		<u>149.0 - 150.7 - Apatite</u> Approximately 5% pyroxenite			C-0738	3.5		0.50					
152.7	154.0	Gray Pegmatite			C-0684	1.7	86		73.0				

QUEBEC SMELTING & REFINING LIMITED

215 ST. JAMES STREET WEST — MONTREAL

PROPERTY HIGH ROCK

HOLE NO. U-3

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 3

DIP 0° LENGTH 117' HOR. COMP. Elev. Collar 481.3 BEARING

LOCATION..... DIRECTION OF BORE 80°18' LAT. 5399.5N DEP. 5848E

DISTANCE		DESCRIPTION	SLUDGE		SAMPLE NO.	LENGTH FEET	ANALYSIS							
FROM	TO		FROM	TO			GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZINC %	IRON %		
92.3	117.0	Granitized pyroxenite - some spotty spatite	100	110	C-0782	10.0		14.00						
		<u>104.9 - 106.6</u> Apatite - about 40% pyroxenite			C-0711	1.7	34		28.9					
		<u>106.6 - 109.2</u> - Pyroxenite - small amount disseminated spatite			C-0712	2.6	11		9.3					
			110	117	C-0783	7.0		11.10						
117.0		END OF HOLE												

FAP BPL BPL
(chem.) (calc.)

QUEBEC SMELTING & REFINING LIMITED

215 ST. JAMES STREET WEST — MONTREAL

PROPERTY..... HIGH ROCK.....

HOLE NO. U-4

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 1

DIP 41° LENGTH 158' HOR. COMP. Collar Elev. 493.4 BEARING.....

LOCATION..... DIRECTION OF BORE 40° 20' LAT. 52° 41' N DEP. 5922E

DISTANCE		DESCRIPTION	SLUDGE		SAMPLE NO.	LENGTH FEET	ANALYSIS												
FROM	TO		FROM	TO			GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZINC %	IRON %							
0.0	2.0	Casing																	
2.0	5.8	Pyroxenite - slightly granitized - no apatite																	
5.8	11.6	Pink to gray pegmatite																	
			10	20	C-0806	10.0		8.17											
11.6	13.5	Pegmatite (?) - highly altered, folded and "gongy". Probably the "45" fault.																	
13.5	18.5	Highly altered pyroxenite - small amount scattered apatite																	
		<u>13.5 - 16.6</u> - Pyroxenite with some green apatite and possibly small amounts of gray apatite																	
18.5	21.0	Pink Pegmatite with pyroxenite remnants																	
21.0	23.3	Acid to intermediate biotite gneiss - gneissosity is at 60° to core axis																	
23.3	33.0	Pink and gray pegmatite																	
33.0	44.2	Banded intermediate gneiss, gneissosity at 60° to core axis.																	
			40	50	C-0807	10.0		29.77											

FAP BPL (chem.) BPL (calc.)

~~3.1~~ ~~10~~ 12.12 ~~8.5~~

QUEBEC SMELTING & REFINING LIMITED

PROPERTY HIGH ROCK

215 ST. JAMES STREET WEST — MONTREAL

HOLE NO. U-4

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 2

DIP 41° LENGTH 158' HOR. COMP. Collar Elev. 493.4 BEARING

LOCATION DIRECTION OF BORE 40°20' LAT. 5241N DEP. 5922E

DISTANCE		DESCRIPTION	SLUDGE		SAMPLE No.	LENGTH FEET	ANALYSIS						
FROM	TO		FROM	TO			GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZINC %	IRON %	
							FAP	BPL (chem.)	BPL (calc.)				
44.2	49.2	Mixed light green and red apatite in gneiss and pyroxenite <u>44.2 - 46.2</u> - gneiss with small amount of apatite <u>46.2 - 49.2</u> - Massive Apatite green & red in color - very small % pyroxenite			C-0714	1.8	5.8	2.82	-				
					C-0715	3.0	72		61.2				
49.2	51.5	Pink Granite - leopard type?			C-0716	2.3	6	1.09	-				
51.5	54.7	Massive Apatite - mixed green & red coloured types			C-0717	3.2	87		74.0				
			50	60	C-0765	10.0		44.58					
54.7	129.2	Pyroxenite with scattered sections of massive apatite. The pyroxenite from 72.0 has numerous white feldspathic spots - "Spotty pyroxenite" <u>54.7 - 57.1</u> - Pyroxenite - rare apatite <u>57.1 - 58.0</u> - Apatite-about 10% pyroxenite			C-0718	2.4	10		8.5				
					C-0719	0.9	67		57.0				

QUEBEC SMELTING & REFINING LIMITED

215 ST. JAMES STREET WEST — MONTREAL

PROPERTY HIGH ROCK

HOLE NO. U-4

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 3

DIP 41° LENGTH 158' HOR. COMP. Collar Elev. 493.4 BEARING

LOCATION..... DIRECTION OF BORE 40°20' LAT. 52°41'N DEP. 5922

DISTANCE		DESCRIPTION	SLUDGE XXXXX	SANDS XXXX	SAMPLE No.	LENGTH FEET	ANALYSIS							
FROM	TO						GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZINC %	IRON %		
		<u>58.0 - 59.3</u> - Pyroxenite with about 15-20% disseminated apatite			C-0720	1.3	20							
		<u>59.3 - 60.6</u> - Pegmatite - no apatite			C-0721	1.3	<2	0.94						
		<u>60.6 - 62.2</u> - Pyroxenite with small amount scattered apatite and one 3" section of massive green apatite			C-0722	1.6	27			23.0				
		<u>64.0 - 65.0</u> - Pyroxenite - scattered apatite including one 2" band of massive apatite	60	70	C-0808	10'		14.33						
		<u>69.5 - 70.5</u> - Pyroxenite - about 35% apatite			C-0767	1.0		16.08						
		<u>70.3 - 77.3</u> - Pyroxenite and apatite about 50% each			C-0768	1.0		32.20						
		<u>76.3 - 77.3</u> - Pyroxenite and apatite about 50% each	70	80	C-0769	1.0		41.20						
		<u>86.1 - 87.4</u> - Apatite about 40% pyroxenite			C-0809	10.0		11.16						
		<u>87.4 - 88.2</u> Pyrox. small amount apatite.	80	90	C-0770	1.3		73.61						
		<u>87.4 - 88.2</u> Pyrox. small amount apatite.	80	90	C-0810 E-188	10.0 0.8'		31.54 4.74						

QUEBEC SMELTING & REFINING LIMITED

215 ST. JAMES STREET WEST — MONTREAL

PROPERTY HIGH ROCK

HOLE NO. U-5

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 2

DIP 0° LENGTH 178.5' HOR. COMP. Collar Elev. 501.6 BEARING

LOCATION DIRECTION OF BORE 79°45' LAT. 5218.5N. DEP. 5924.5E

DISTANCE		DESCRIPTION	SHORTS	SANDS SAMPLE	SAMPLE No.	LENGTH FEET	ANALYSIS							
FROM	TO						GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZINC %	IRON %		
109.2	135.5	Pyroxenite - some apatite in narrow bands. The pyroxenite from 112.0 to 119.0 is "spotted pyroxenite". (numerous white feldspathic patches) <u>113.6 - 115.8</u> - Pyroxenite with about 30% apatite <u>115.8 - 118.1</u> - Pyrox. xsmall amt scatt. apatite <u>118.1 - 118.9</u> - Pyroxenite low % of pyroxenite					FAP	BPL (chem.)	BPL (calc.)					
					C-0784	2.2		42.95						
					E-190	2.3'		5.05						
					C-0785	0.8		29.16						
135.7	139.8	Gray Pegmatite												
139.8	140.3	Pyroxenite												
140.3	142.2	Basic hornblende biotite gneiss												
142.2	157.6	Pyroxenite - small amount of apatite. From 145 - 150 there is considerable gray pegmatite mixed with the pyroxenite <u>143.6 - 144.2</u> - Pyroxenite - 10-15% apatite <u>154.4 - 157.0</u> - Pyroxenite - 20 to 25% apatite												
					C-0786	0.6		11.53						
					C-0787	2.6		45.30						

QUEBEC SMELTING & REFINING LIMITED

215 ST. JAMES STREET WEST — MONTREAL

PROPERTY HIGH ROCK

HOLE NO. U-6

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 1

DIP 0° LENGTH 120.0' HOR. COMP. Collar Elev. 498.3 BEARING

LOCATION East Drift DIRECTION OF BORE 70°30' LAT. 5272.5N DEP. 5935E

DISTANCE		DESCRIPTION	SLUDGE		SAMPLE No.	LENGTH FEET	ANALYSIS							
FROM	TO		EXTRA FROM	INDEX TO			GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZINC %	IRON %		
0.0	11.6	Pyroxenite - with about 35% pink pegmatite. Apatite is scattered throughout the pyroxenite and there is one 11" band of fairly pure gray and pink apatite.												
		<u>7.5 - 9.4</u> - Pyroxenite - about 35% red apatite	0	10'	C-0821	10.0		17.06						
		<u>4 - 11.5</u> - Pyroxenite - small amount apatite			C-0788	1.9		33.73						
					C-0789	2.1		8.28						
11.6	14.0	Intermediate well banded gneiss												
14.0	15.2	Pink pegmatite												
			10	20	C-0822	10.0		5.11						
15.2	26.0	Pyroxenite cut by numerous narrow pegmatite stringers. Small amount pink and grey apatite												
26.0	42.0	Pyroxenite, very little pegmatite. Gray apatite scattered in irregular amounts throughout												
			20	30	C-0823	10.0		10.31						

ALCAN SMELTING & REFINING LIMITED

PROPERTY HIGH ROCK

215 ST. JAMES STREET WEST — MONTREAL

HOLE NO. U-7

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 2

DIP 0° LENGTH 141.5 HOR. COMP. Collar Elev. 500.2 BEARING

LOCATION _____ DIRECTION OF BORE 56°10' LAT. 5334.5N DEP. 5894.5E

DISTANCE		DESCRIPTION	SLUDGE		SAMPLE NO.	LENGTH FEET	ANALYSIS					
FROM	TO		ROCK FROM	SANDS TO			GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZINC %	IRON %
41.2	99.0	Pyroxenite - fair amount of disseminated apatite in some sections										
		<u>45.9 - 47.5</u> Pyroxenite - about 20-25% apatite			C-0798	1.6		28.22				
			40	50	C-0833	10.0		12.15				
		<u>47.5 - 50.0</u> - Similar to above but less apatite			C-0799	2.5		12.56				
		<u>50.0 - 52.0</u> Pyroxenite- about 20% apatite			C-0800	2.0		31.15				
			50	60	C-0834	10.0		13.94				
		<u>62.0 - 62.6</u> - Pyroxenite about 25% apatite			C-0801	0.6		47.38				
			60	70	C-0835	10.0		15.44				
		<u>74.8 - 77.3</u> - Apatite - gray and green varieties - about 20% pyroxenite			C-0802	2.5		75.82				
		<u>77.3 - 79.3</u> Pyroxenite-small % apatite			C-0803	2.0		6.33				
		79.3 - 84.0 - Pyrox. some scatt. apatite	70	80	C-0836	10.0		15.16				
		<u>84.0 - 85.1</u> - Pyroxenite-10-15% apatite			E-191	4.7		8.28				
		<u>85.1 - 89.1</u> - Pyrox. small amt apatite poss. 10%			C-0804	1.1		22.32				
		<u>89.1 - 92.1</u> Granitized pyroxenite - small amount apatite			E-192	4.0		8.26				
					C-0840	3.0	20	15.62	17.0			

QUEBEC SMELTING & REFINING LIMITED

215 ST. JAMES STREET WEST — MONTREAL

PROPERTY HIGH ROCK

HOLE NO. 0-8

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 1

DIP + 33° up LENGTH 78.3 HOP. COMP. Elev. Collar 504.2 BEARING.....

LOCATION Hart Stope DIRECTION OF BORE 62°00' LAT 5334.5N DEP. 5894.5E

DISTANCE		DESCRIPTION	SLUDGE		SAMPLE No.	LENGTH FEET	ANALYSIS					
FROM	TO		FROM	TO			GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZINC %	IRON %
0.0	2.0	Pyroxenite										
2.0	6.0	Intermediate biotite gneiss										
6.0	10.5	Pyroxenite										
10.5	16.5	Granitized intermediate biotite gneiss										
16.5	17.8	Pyroxenite										
17.8	22.0	Granitized biotite gneiss										
22.0	48.3	Slightly granitized pyroxenite - scattered small spots of apatite										
48.3	50.0	Pegmatite										
50.0	78.3	Pyroxenite, somewhat granitized. Small amount of disseminated apatite										
			50	60	C-0873	10.0		10.64				
		<u>58.9 - 61.2 - Pyroxenite - some</u>	60	70	C-0874	10.0		11.64				
		disseminated apatite			C-0841	2.3		15.90				
78.3		END OF HOLE										

FAP BPL BPL
(chem.) (calc.)
(N)
(G)

14 11.9

PROPERTY HIGH ROCK MINE

QUEBEC SMELTING & REF. CO. LIMITED

215 ST. JAMES STREET WEST — MONTREAL

HOLE NO. U-10

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 1

DIP 35° LENGTH 372.7' HOR. COMP. Collar Elev. 500.3 BEARING

LOCATION DIRECTION OF BORE 71°00' LAT. 5216N DEP. 5791E

DISTANCE		DESCRIPTION	SLUDGE		SAMPLE NO.	LENGTH FEET	ANALYSIS								
FROM	TO		From	To			GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZINC %	IRON %			
0.0	1.0	Casing					FAP	BPL (chem.)	BPL (calc.)						
1.0	2.0	Pegmatite													
2.0	6.5	Pyroxenite - small amount of apatite													
6.5	13.3	Quartz pegmatite													
13.3	23.0	Granitized pyroxenite - some scattered apatite													
23.0	28.0	Quartz pegmatite													
28.0	52.8	Granitized pyroxenite													
52.8	58.3	Acid to intermediate hornblende gneiss													
58.3	68.1	Pyroxenite-some scattered apatite													
68.1	78.0	Intermediate to basic biotite gneiss	70	80	C0924	10.0'		6.12							
78.0	116.9	Pyroxenite - a few scattered apatite sections (80	90	C0925	10.0		7.54							
		<u>78.0-80.1</u> - Pyroxenite -10-15% apatite			C0908	2.1'		24.73							
		<u>80.1-81.5</u> Pyrox. rare apatite.			E-196	1.4'		0.85							
		<u>81.5-82.5</u> - Pyroxenite, about 40% apatite			C0909	1.0'		43.21							
			100	110	C0947	10.0	7	7.56	5.9						
		<u>105.5-106.5</u> - Pyroxenite-one 4" band of Massive apatite			C0910	1.0		29.53							

QUEBEC SMELTING & REFINING LIMITED

215 ST. JAMES STREET WEST — MONTREAL

PROPERTY High Rock Mine

HOLE NO. U-11

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 1

DIP 55° LENGTH 310.5 HOR. COMP. Cellar Elev. 494.6 BEARING

LOCATION DIRECTION OF BORE 55°45' LAT. 5228N DEP. 5872.5K

DISTANCE		DESCRIPTION	SHORTS	SANDS SAMPLE	SAMPLE NO.	LENGTH FEET	ANALYSIS						
FROM	TO						GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZINC %	IRON %	
0.0	2.5	Casing					FAP	BPL (Chem)	BPL (Calc.)				
2.5	4.5	Pyrox. - some spotty apatite.											
4.5	12.5	White quartz pegmatite.											
12.5	25.0	Pyrox. - fair amount of disseminated and massive apatite.											
		<u>20.7 - 24.9 Apatite - about 90%. Some Pyroxenite and pyrite.</u>			C 0943	4.2	100	74.62	85				
25.0	30.0	Basic horn blende biotite gneiss.											
30.0	35.0	Quartz biotite gneiss (acid)											
35.0	43.0	Pyroxenite - scattered apatite.											
		<u>40.0 - 41.5 - Apatite - 15 to 20% pyrox.</u>			C 0944	1.5	63	57.76	53				
43.0	46.7	Intermediate hornblende biotite gneiss.											
46.7	82.1	Pyrox. granitized slightly in places and cut by a few pegmatite stringers. Scattered irregular apatite.											
		<u>52.2 - 53.7 - Apatite - 15 to 20% pyrox.</u>			C 0945	1.5	93	68.94	79				
82.1	113.5	Intermediate gneiss, hornblende and biotite											
113.5	115.6	Massive green apatite.			C 0965	1.5		83.70					60.5
115.0	116.4	Pegmatite			C 0966	1.4		0.35					7.5
116.4	120.0	Massive <u>Apatite</u>			C 0967	3.6		82.26					

QUEBEC SMELTING & REFINING LIMITED

215 ST. JAMES STREET WEST -- MONTREAL

PROPERTY High Rock Mine

HOLE NO. U-11

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 3

DIP 55° LENGTH 310.5' HOR. COMP. Collar Elev. 494.6 BEARING

LOCATION DIRECTION OF BORE 55°45' LAT. 5228N DEP. 5872.5E

DISTANCE		DESCRIPTION	SHORTS	SANDS SAMPLE	SAMPLE NO.	LENGTH FEET	ANALYSIS					
FROM	TO						GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZINC %	IRON %
		apatite and one 4" band of massive apatite.			C 0975	1.8'		32.50				
		<u>190.0 - 193.0 - Apatite 5 - 10% pyroxenite.</u>			C 0976	3.0'		74.51				
		<u>193.0 - 195.0 - Pyrox. about 35% dissem.</u>										
		apatite.			C 0977	2.0		34.88				
		<u>195.0 - 200.0 - Pyrox. very little apatite</u>			C 0978	5.0		6.98				
		<u>200.0 - 205.0 - Pyrox. scattered apatite</u>										
		throughout.			C 0979	5.0'		11.32				
		<u>205.0 - 206.7 - Pyroxenite rare apatite.</u>			C 0980	1.7'		0.92				
		<u>206.7 - 208.2 - Apatite - 25% pyrox..</u>										
		Sample includes 5" lost core (apatite on both sides of lost core)			C 0981	1.5		53.43				
		<u>208.2 - 211.0 - Pyrox. 10 - 15% apatite</u>			C 0982	2.8		10.11				
223.0	227.5	Qtz pegmatite.										
227.5	235.0	Blue quartz biotite gneiss.	230	240	C 0573	10	7		6			
235.0	239.0	Pegmatite										
239.0	243.5	Intermediate to basic gneiss										
243.5	245.0	Qtz pegmatite.										
245.0	248.0	Blue quartz biotite gneiss.	240	250	C 0574	10	5		4			

QUEBEC SMELTING & REFINING LIMITED

215 ST. JAMES STREET WEST — MONTREAL

PROPERTY High Rock Mine

HOLE NO. U-12

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 1

DIP 51° LENGTH 298.0 HOR. COMP. Elev. Collar 491.7 BEARING

LOCATION DIRECTION OF BORE 51° 40' LAT. 5300.53 DEP. 5802.58

DISTANCE		DESCRIPTION	SHORTS	SANDS SAMPLE	SAMPLE No.	LENGTH FEET	ANALYSIS							
FROM	TO						GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZINC %	IRON %		
0.0	1.5	Casing					FAP	BPL (Chem)	BPL (Calc)					
1.5	5.0	Quartz biotite gneiss												
5.0	8.5	Pyrox. fair amount of apatite.												
		<u>5.7 - 7.4</u> Pyrox. disseminated apatite.			C 0984	1.7		31.52						
8.5	13.0	Quartz biotite gneiss.												
13.0	57.2	Pyrox. - patchy apatite. There are a few pegmatite stringers and granitized sections.												
		<u>15.9 - 21.4</u> - Pyrox. spotty disseminated apatite - possibly 15%.			C 0985	5.5		21.98						
57.2	80.0	Medium grained pinkish granite possibly leopard granite.												
		<u>82.9 - 84.9</u> - Apatite about 65%. Some pyroxenite and pegmatite.			C 0986	2.0		26.58						
80.0	96.0	Pyrox. some scattered apatite.												
96.0	106.5	Gray pegmatite.												
106.5	162.0	Pyrox. considerable apatite, both fiss. and massive. The apatite occurs as light green, black, gray and sugary types.												
		Apatite becomes rare from 142.0 to 162.0												
		<u>108.5 - 111.0</u> Pyrox. - some scatt. apatite.			C 0987	2.5		31.17						

QUEBEC SMELTING & REFINING LIMITED

215 ST. JAMES STREET WEST — MONTREAL

PROPERTY High Rock Mine

HOLE NO. 11-12

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 3

DIP 51° LENGTH 298.0 HOR. COMP. Elev. Collar 491.7 BEARING

LOCATION..... DIRECTION OF BORE 51°40' LAT. 5300.5N DEP. 5802.5E

DISTANCE		DESCRIPTION	SHORTS	SANDS SAMPLE	SAMPLE No.	LENGTH FEET	ANALYSIS							
FROM	TO						GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZINC %	IRON %		
190.6	212.0	Granitized pyrox. some spotty apatite. <u>196.2 - 199.9</u> Pyrox. and pegmatite rare apatite. <u>199.9 - 201.6</u> Apatite dark green type some disseminated pyrite. <u>201.6 - 208.0</u> Pyrox. small amount of disseminated apatite. <u>208.0 - 210.0</u> Similar to above.												
					E 23	3.7		4.70						
					E 24	1.7		70.43						
					E 25	6.4		10.92						
					E 26	2.0		6.23						
212.0	215.0	Lost core.												
215.0	225.0	Slightly granitized pyrox. small amount of disseminated apatite. <u>221.7 - 222.7</u> Apatite about 40% pyrox.												
					E 101	1.0		50.44						
225.0	229.5	Gray pegmatite.												
229.5	290.0	Granitized pyrox. Disseminated and massive apatite in most of the section. <u>230.0 - 232.5</u> Pyrox. small amount of apatite. <u>232.5 - 235.0</u> Apatite about 15% pyrox. <u>255.0 - 257.4</u> Pyrox. a few narrow bands of massive apatite.												
					E 102	2.5		8.32						
					E 103	2.5		72.83						
					E 104	2.4		27.83						

QUEBEC SMELTING & REFINING LIMITED

PROPERTY HIGH ROCK MINE

215 ST. JAMES STREET WEST — MONTREAL.

HOLE NO. U-13

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 2

DIP 39° LENGTH 301' HOR. COMP. Elev. Collar 474.2 BEARING

LOCATION DIRECTION OF BORE 149°10' LAT. 5494N DEP. 5817E

DISTANCE		DESCRIPTION	SHORTS	SANDS SAMPLE	SAMPLE No.	LENGTH FEET	ANALYSIS							
FROM	TO						GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZINC %	IRON %		
183.4	229.0	Pyroxenite-only small amount apatite to 196.0 then apatite is greatly increased to fair disseminations and many massive bands					FAP	BPL (chem.)	BPL (calc.)					
		<u>195.9-197.0</u> - <u>Apatite</u> - 5% pyroxenite			E 4	1.1'		82.64						
		<u>197.0-202.9</u> - Pyroxenite-small amount disseminated apatite			E 28	5.8'		8.72						
		<u>202.9-203.9</u> - Pyroxenite -10-15% apatite			E 5	1.0'		24.99						
		<u>203.9-205.0</u> - <u>Apatite</u> -10% pyroxenite			E 6	1.1'		83.79						
		<u>205.0-206.0</u> - Pyroxenite -10 to 15% apatite			E 7	1.0'		33.29						
		<u>206.0-210.5</u> - 75% <u>Apatite</u> - some pegmatite and disseminated pyrite			E 8	4.5		80.01						
		<u>210.5-212.0</u> - Pyroxenite 15-20% apatite			E 9	1.5'		33.71						
		<u>212.0-213.9</u> - <u>Apatite</u> - about 40% pyroxenite			E 10	1.9'		43.58						
		<u>213.9-219.7</u> - Pyroxenite, some scattered apatite			E 11	5.8'		15.47						
		<u>219.7-221.6</u> - Pyroxenite-about 40% apatite			E 12	1.9'		41.09						
		<u>221.6-228.1</u> - Pyroxenite-very little apatite			E 13	6.5'		6.58						

QUEBEC SMELTING & REFINING LIMITED

PROPERTY High Rock Mine

215 ST. JAMES STREET WEST — MONTREAL

HOLE NO. U-14

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 1

DIP 40° LENGTH 247.0 HOR. COMP. Collar Elev. 476.2 BEARING _____

LOCATION Hot Drift DIRECTION OF BORE 222°00' LAT. 5561N DEP. 5780.5E

DISTANCE		DESCRIPTION	Sludge SANDS SAMPLE		SAMPLE NO.	LENGTH FEET	ANALYSIS							
FROM	TO		SHORTS From	To			GOLD FAY	SILVER BPL (Chem.)	COPPER BPL (Calc.)	LEAD %	ZINC %	IRON %		
0.0	2.2	Casing	0	10	E 87	10.0		27.50						
2.2	3.2	Pyroxenite												
3.2	3.8	Pink pegmatite												
3.8	12.2	Pyroxenite - disseminated apatite and a few bands of massive apatite												
		<u>3.8 - 8.8 - Pyroxenite - one 8" band of massive apatite and some disseminated apatite</u>			E 29	5.0'		20.64						
		<u>8.8 - 12.2 - Pyroxenite - 20 @ 25% apatite</u>	10	20	E 88	10.0		49.21						
12.2	20.0	Massive light green apatite			E 30	3.4'		48.06						
		<u>12.2 - 17.2 - Massive Apatite 98% +</u>			E 31	5.0		84.12						
		<u>17.2 - 20.0 - Apatite about 15% pyroxenite</u>			E 32	2.8'		76.93						
			20	30	E 89	10.0		28.09						
20.0	25.0	Intermediate to basic biotite hornblende gneiss												
25.0	40.0	Pyroxenite with small amount of apatite												
40.0	66.8	Blue quartz gneiss and quartz - hornblende gneiss with a few narrow more basic bands	60	70	E 90	10.0		16.71						

QUEBEC SMELTING & REFINING LIMITED

215 ST. JAMES STREET WEST — MONTREAL

PROPERTY High Rock Mine

HOLE NO. U-14

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 2

DIP 40° LENGTH 247.0 HOR. COMP. Collar Elev. 476.2 BEARING.....

LOCATION Hot Drift DIRECTION OF BORE 222°00' LAT. 55°61'N DEP. 5780.5E

DISTANCE		DESCRIPTION	Sludge SHORTS	SANDS SAMPLE	SAMPLE No.	LENGTH FEET	ANALYSIS					
FROM	TO						GOLD OZ. TAP	SILVER OZ. DPT.	COPPER % DPT.	LEAD %	ZINC %	IRON %
66.8	77.3	Pyroxenite - small amount of scattered apatite					(Chem.)	(Calc.)				
77.3	79.3	Massive coarse grained <u>apatite</u>			E 33	2.0'	83.03					
			70	80	E 91	10.0	15.07					
79.3	91.2	Pyroxenite - fair amount of disseminated apatite			E 92	10.0						
		<u>79.3 - 83.9</u> - Pyroxenite - evenly disseminated apatite throughout			E 34	4.6'	16.47					
			90	100.0	E 93	10.0						
		<u>83.9 - 87.6</u> - Similar to E 34 but slightly increased apatite			E 35	3.7'	26.52					
91.2	96.5	Intermediate biotite gneiss										
96.5	100.0	Quartz hornblende gneiss										
100.0	120.0	Pyroxenite - disseminated apatite throughout plus a few massive bands			E 94	10.0						
		<u>102.3 - 107.3</u> - Pyroxenite, evenly disseminated apatite throughout			E 36	5.0	15.12					
			110	120	E 95	10.0						
		<u>107.3 - 112.3</u> - Pyroxenite, and intermediate gneiss, some scattered apatite in pyrox. only			E 37	5.0'	10.99					

QUEBEC SMELTING & REFINING LIMITED

215 ST. JAMES STREET WEST — MONTREAL

PROPERTY High Rock Mine

HOLE NO. U-15

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 1

DIP 90° LENGTH 103.0 HOR. COMP. Collar Elev. 486.5 BEARING.....

LOCATION Hot Drift DIRECTION OF BORE Vertical LAT. 5655N DEP. 5703E

DISTANCE		DESCRIPTION	Sludge		SAMPLE NO.	LENGTH FEET	ANALYSIS							
FROM	TO		From	To			GOLD FAPZ.	SILVER BPL	COPPER BPL	LEAD %	ZINC %	IRON %		
0.0	2.0'	Casing												
2.0'	11.0	Pyroxenite-some scattered Apatite	0	10	E 113	10.0	22.65							
		<u>2.0' - 5.0'</u> - Granitized Pyroxenite - small amount of Apatite			E 45	3.0'	7.80							
		<u>5.0 - 7.0'</u> - Apatite - light green fine grained type - small amount pyroxenite			E 46	2.0'	69.81							
		<u>7.0 - 11.0</u> - Granitized pyroxenite - small amount of Apatite			E 47	4.0'	2.00							
11.0	12.5	Pin. Pegmatite			E 48	1.5'	0.66							
12.5	39.6	Slightly granitized pyroxenite - small amount of Apatite	10	20	E 114	10.0	17.41							
		<u>12.5 - 16.2</u> - Granitized pyroxenite - rare Apatite			E 49	3.7	8.28							
		<u>16.2 - 21.2</u> - Soft gony pyroxenite - small amount Apatite			E 50	5.0'	4.65							
			20	30	E 115	10.0	4.65							
		<u>21.2 - 23.2</u> - Granitized pyroxenite - small amount of Apatite			E 51	2.0'	7.80							
			30	40	E 116	10.0	17.54							

QUEBEC SMELTING & REFINING LIMITED

PROPERTY High Rock Mine

215 ST. JAMES STREET WEST — MONTREAL

HOLE NO. U-15

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 2

DIP 90° LENGTH 103.0 HOR. COMP. Cellar Elev. 486.5 BEARING

LOCATION Hot Drift DIRECTION OF BORE Vertical LAT. 5655N DEP. 5703E

DISTANCE		DESCRIPTION	Sludge		SAMPLE NO.	LENGTH FEET	ANALYSIS							
FROM	TO		SKOROK From	HANK To			GOLD OZ. FAP	SILVER OZ. BPL	COPPER % BPL	LEAD %	ZINC %	IRON %		
		<u>38.5 - 40.0</u> - Pyroxenite and pegmatite - about 15% Apatite			E 52	1.5		36.68						
39.6	47.0	Massive Apatite - small amount of pyroxenite in last two feet	40	50.0	E 117	10.0'		60.64						
		<u>40.0 - 45.0</u> - Massive Apatite - 95% A			E 53	5.0'		80.34						
		<u>45.0 - 47.0</u> Apatite and pyroxenite			E 54	2.0'		40.56						
47.0	88.0	Pyroxenite - Spotty disseminated Apatite a few various massive bands	50	60	E 118	10.0		22.43						
XXXXXXIX		<u>47.0 - 50.0</u> Pyroxenite - small amount Apatite			E 55	3.0'		6.84						
		<u>50.0 - 55.0</u> - Pyroxenite with scattered Apatite			E 56	5.0'		15.92						
		<u>55.0 - 60.0</u> - Similar to E 56 - slightly less Apatite			E 57	5.0		9.85						
		<u>60.0 - 65.0</u> - Similar to E 57			E 58	5.0'		13.28						
		<u>65.0 - 67.9</u> - Similar to E 58			E 59	2.9'		13.74						
		<u>67.9 - 68.9</u> - Massive green apatite			E 60	1.0'		69.11						
			60	70	E 119	10.0		20.21						
		<u>68.9 - 74.0</u> - Pyroxenite - scattered apatite.	70	80	E 61	5.1		24.12						
					E 120	10.0		30.65						

QUEBEC SMELTING & REFINING LIMITED

215 ST. JAMES STREET WEST — MONTREAL

PROPERTY High Rock Mine

HOLE NO. U-17 X

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 1

DIP Horizontal LENGTH 91.0 Elevation 496.2 BEARING

LOCATION E-2 X-Cut DIRECTION OF BORE N16° 20' E LAT. 52° 51' 00" N DEP. 5957.5E

DISTANCE		DESCRIPTION	SHORTS	SANDS SAMPLE	SAMPLE No.	LENGTH FEET	ANALYSIS					
FROM	TO						GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZINC %	IRON %
							BPL					
0.0	2.0	Casing										
2.0	3.0	Massive apatite - fine grained mixed gray and pink types		0-10	E-472	10	3.39					
					E-394	1.0	79.95					
3.0	6.4	Pyroxenite - some disseminated apatite in first foot, rare apatite in remainder of section		10-20	E-473	10	1.97					
		<u>3.0 - 4.0</u> - Pyroxenite - small amount of apatite		20-30	E-474	10	0.68					
					E-395	1.0	16.21					
6.4	43.0	Dark basic hornblende gneiss. Banded in many sections but not altered to a schist at any spot. There are many granitized sections and a few pink pegmatite stringers. Generally the banding is at 60° to core axis.		30-40	E-475	10	0.61					
				40-50	E-476	10	5.88					
43.0	88.0	Pyroxenite, generally the "spotty" type. apatite occurs both massive and disseminated throughout section.		50-60	E-477	10	23.66					
					Lost Sludge							
					60'							

QUEBEC SMELTING & REFINING LIMITED

215 ST. JAMES STREET WEST — MONTREAL

PROPERTY High Rock Mine

HOLE NO. U-17

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 2

DIP Horizontal LENGTH 91.0 ELEVATION 496.2 BEARING
 LOCATION E-2 X-Cut DIRECTION OF BORE N16°20'E LAT. 52°51.0N DEP. 5957.5E

DISTANCE		DESCRIPTION	SHORTS	SANDS SAMPLE	SAMPLE No.	LENGTH FEET	ANALYSIS					
FROM	TO						GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZINC %	IRON %
							BPL					
		<u>45.0 - 48.5</u> - Pyroxenite. Spotty green apatite - less than 10%			E-396	3.5	10.99					
		<u>48.5 - 50.0</u> - Pyroxenite - rare apatite			E-397	1.6	0.03					
		<u>50.0 - 51.5</u> - Pyroxenite - spotty apatite - possibly 15%			E-398	1.5	7.97					
		<u>51.5 - 54.0</u> - Pyroxenite - rare apatite			E-399	2.5	4.35					
		<u>54.0 - 56.5</u> - Massive green and gray apatite - about 30% pyroxenite			E-400	2.5	53.36					
		<u>56.5 - 60.0</u> - Pyroxenite very small amount of apatite			E-403	3.5	6.71					
		<u>60.0 - 62.5</u> - Similar to E 403			E-404	2.5	0.37					
		<u>62.5 - 65.5</u> - Massive green apatite			E-405	3.0	76.74					
		<u>65.5 - 68.7</u> - Pyroxenite - small amount of apatite			E-406	3.2	4.50					
		<u>68.7 - 70.1</u> - Massive green apatite			E-407	1.4	34.62					
		<u>70.1 - 72.0</u> - Pyroxenite - small amount of apatite			E-408	1.9	3.32					
		<u>85.0 - 87.0</u> - Pyroxenite - possibly 15% green apatite			E-409	2.0	25.06					

QUEBEC SMELTING & REFINING LIMITED

215 ST. JAMES STREET WEST — MONTREAL

PROPERTY High Rock Mine

HOLE NO. U-18

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 1

DIP Horizontal LENGTH 74.4 ELEVATION HOLE TOP 496.3 BEARING

LOCATION E-2 Drift DIRECTION OF BORE N59°30'E LAT. 5280N DEP. 5961E

DISTANCE		DESCRIPTION	SHORTS	SANDS SAMPLE	SAMPLE No.	LENGTH FEET	ANALYSIS					
FROM	TO						GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZINC %	IRON %
0.0	2.0	Casing										
2.0	2.8	Altered and brecciated gneiss - fault material		0-10	E-478	10	1.29					
2.8	3.3	Lost Core										
3.3	16.8	Basic to intermediate hornblende gneiss A few slips but generally quite massive. From 11.5 - 12.5 fault zone at approximately 20° to core axis		10-20	E-479	10	0.85					
16.8	18.2	Pink Pegmatite										
18.2	21.5	Basic hornblende gneiss		20-30	E-480	10	7.08					
				30-40	E-481	10	4.15					
21.5	53.4	Pyroxenite - Spotty type		40-50	E-482	10	6.01					
53.4	57.0	(Scapolite) - with rare apatite by Pyroxenite - well granitized by pink pegmatite and highly altered and shattered. There are a few slips at low angles to core axis, the main one runs along core from 55.0 to 56.5 at about 15° to core axis. Rare apatite		50-60	E-483	10	14.24					

QUEBEC SMELTING & REFINING LIMITED

215 ST. JAMES STREET WEST — MONTREAL

PROPERTY HIGH ROCK MINE

HOLE NO. U-19

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 1

DIP -56° LENGTH 115.0 ~~XXXXXX~~ ELEVATION ~~XXXX~~ 491.9 BEARING
 LOCATION ~~XXXX~~ DIRECTION OF BORE ~~XXXX~~ LAT. ~~XXXX~~ DEP. 5834.5B

DISTANCE		DESCRIPTION	SHORTS	SANDS SAMPLE	SAMPLE No.	LENGTH FEET	ANALYSIS				
FROM	TO						XXXX GOLD B.F.L.	SILVER OZ.	COPPER %	LEAD %	ZINC %
0.0	1.5	Casing									
1.5	2.0	Weathered hornblende gneiss		0-10	E 492	10	0.37				
2.0	2.5	Lost Core									
2.5	3.2	Basic Hornblende gneiss									
3.2	6.6	Pyroxenite - rare apatite									
6.6	14.1	Basic hornblende biotite gneiss		10-20	E 493	10	5.99				
14.1	24.5	Pyroxenite - some scattered/apatite. spots of green There is a minor slip at 17.5 running at 10° to core axis 18.0 - 20.5 - Pyroxenite - small amt. of green apatite 20.5 - 22.9 - Similar to above 22.9 - 24.5 - Pyroxenite with increased green apatite									
24.5	25.5	Lost Core - Broken Rock on each side - Possibly this is a fault or slip									
25.5	29.8	Pyroxenite rare apatite									
29.8	34.3	Mixed gray pegmatite and inter gneiss?									
34.3	60.0	Pyroxenite - a few scattered apatite blebs From 40.5-43.0 there are gneissic inclusions. At 52.5 either fault gouge or heavy sludge fault?		30-40 40-50 50-60E	E 495 E 496 497	10 10 10	9.35 6.79 6.95				

QUEBEC SMELTING & REFINING LIMITED

215 ST. JAMES STREET WEST — MONTREAL

PROPERTY High Rock Mine

HOLE NO. U-20

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 1

DIP -46° 00' LENGTH 102.7 HOR. COMP. Elevation 467.8 BEARING

LOCATION DIRECTION OF BOREhole N61° 30'E LAT. 5339.2N DEP. 5814.4E

DISTANCE		DESCRIPTION	SHORTS	SANDS SAMPLE	SAMPLE No.	LENGTH FEET	ANALYSIS					
FROM	TO						GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZINC %	IRON
							BPL					
0.0	2.0	Casing										
2.0	39.5	Pyroxenite spotty apatite in blebs and in narrow bands up to 8" in core length		0-10	E601	10	5.27					
				10-20	E602	10	3.71					
				20-30	E603	10	24.40					
		<u>19.0 - 20.5</u> - Pyroxenite fine evenly disseminated green mineral apatite		30-40	E604	10	5.26					
		<u>20.5 - 24.0</u> similar to E423 except for one 6" band of massive sugary apatite			E423	1.5'	0.55					
		<u>24.0 - 26.0</u> - altered Pyroxenite lighter in general color. Spotted with light green mineral like epidote very little apatite but considerable pyrite			E424	3.5'	13.75					
		<u>26.0 - 27.0</u> massive fine sugary apatite			E425	2.0	0.85					
		<u>27.0 - 29.0</u> Pyroxenite very little apatite			E426	1.0	34.47					
		<u>32.5 - 33.5</u> Pyroxenite with 6" massive green apatite			E427	2.0	0.00					
					E428	1.0	31.59					

QUEBEC SMELTING & REFINING LIMITED

215 ST. JAMES STREET WEST — MONTREAL

PROPERTY High Rock Mine

HOLE NO. U-22

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 2

DIP Horizontal LENGTH 130.5' ELEVATION 483.3 BEARING

LOCATION Hart Drift DIRECTION OF BORE N57° 30' E LAT. 58° 00' N DEP. 5845.62

DISTANCE		DESCRIPTION	SHORTS	SANDS SAMPLE	SAMPLE No.	LENGTH FEET	ANALYSIS					
FROM	TO						GOLD PPM	SILVER OZ.	COPPER %	LEAD %	ZINC %	IRON %
		<u>32.7 - 35.0 - Pyroxenite 10-15%</u>										
		<u>apatite in narrow massive bands</u>			<u>E449</u>	<u>2.3'</u>	<u>31.89</u>					
<u>39.0</u>	<u>42.5</u>	<u>Biotite and quartz gneisses</u>		<u>40-50</u>	<u>E615</u>	<u>10</u>	<u>4.61</u>					
<u>42.5</u>	<u>68.6</u>	<u>Pyroxenite rare apatite to 58.0 where</u>		<u>50-60</u>	<u>E616</u>	<u>10</u>	<u>18.74</u>					
		<u>apatite increases to 15 to 20% to</u>		<u>60-70</u>	<u>E617</u>	<u>10</u>	<u>15.29</u>					
		<u>70.8' decreasing then to 68.6</u>		<u>70-80</u>	<u>E618</u>	<u>10</u>	<u>6.62</u>					
				<u>80-90</u>	<u>E619</u>	<u>10</u>	<u>16.16</u>					
		<u>57.9 - 59.0 Pyroxenite 20-25% pine light</u>										
		<u>colored apatite in narrow bands</u>			<u>E450</u>	<u>1.1'</u>	<u>28.05</u>					
		<u>59.0 - 60.0 Pyroxenite rare</u>										
		<u>apatite</u>			<u>E451</u>	<u>1.0'</u>	<u>3.67</u>					
		<u>60.0 - 62.0 Pyroxenite 30-40% gray</u>										
		<u>apatite considerable scattered</u>										
		<u>pyrite</u>			<u>E452</u>	<u>2.0'</u>	<u>26.54</u>					
		<u>62.0 - 65.0 similar to 452 but less</u>										
		<u>apatite</u>			<u>E453</u>	<u>3.0'</u>	<u>17.28</u>					
		<u>65.0 - 68.0 Pyroxenite small amount</u>										
		<u>scattered apatite</u>			<u>E454</u>	<u>3.0'</u>	<u>5.53</u>					

QUEBEC SMELTING & REFINING LIMITED

Hole No. U-247
Company Drill

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED

Company

ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1

Address

HIGH ROCK MINE

RANGE VII, LOT 5

Claim No.

LOCATION

DIP-COLLAR - 60° 00'

STRIKE N 59° 30' E

ft.

LENGTH

204.5'

ft.

ELEVATION

488.6'

ft.

LATITUDE

5342.00'

ft.

DEPARTURE

5870.5E'

Date Started

Date Finished

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. II-24Y

PAGE No. 2

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
						Ca ₃ P ₂ O ₈ %
0.0	1.0	Casing.				
		(0- 10) sludge.	E-661	10.0		7.12
1.0	5.8	Pyroxenite - spotty apatite thru-out.				
		1.0- 5.0 - Pyroxenite; a few small blebs of green apatite.	E-485	4.0		9.48
5.8	8.8	Pink pegmatite with some included pyroxenite.				
8.8	10.0	Pyroxenite - no apatite.				
10.0	12.3	Pink pegmatite with some altered pyroxenite.				
		(10- 20) Sludge.	E-662	10.0		12.45
12.3	13.5	Fine, leopard granite.				
13.5	14.5	Mixed white pegmatite & pyroxenite.				
14.5	20.5	Pyroxenite - patchy apatite.				
		16.0- 19.0 - Pyroxenite; possibly 15 to 20% apatite.	E-486	3.0		18.44
20.5	23.8	Gray pegmatite.				
		(20- 30) Sludge.	E-663	10.0		23.61
23.8	25.0	Pyroxenite; small amount of apatite; some disseminated pyrite.				
25.0	25.8	Lost core.				
25.8	26.5	Massive dark green apatite. This apatite is very soft & brittle - probably preceding lost core was ground apatite.	E-487	0.7		57.08

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING & IRON ROUGH MINE

HOLE No. U-245

PAGE No. 3

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
26.5	37.5	Pyroxenite; very little apatite. There is considerable scapolite in the last 4 ft.				$Ca_3P_2O_8$ 4
37.5	39.3	Gray pegmatite.				
39.3	40.0	Pyroxenite; small amount of apatite.				
		(30- 40) Sludge.	E-664	10.0		7.25
40.0	40.9	Lost core.				
40.9	41.9	Gray pegmatite.				
		(40- 50) Sludge.	E-665	10.0		18.09
41.9	42.7	Lost core.				
42.7	48.8	Pyroxenite. Small amount of scattered apatite.				
48.8	50.3	Massive, dark green & red apatite - considerable pyrite.	E-488	1.5		67.37
50.3	53.1	Lost core.				
53.1	55.0	Red & dark gray apatite - disseminated pyrite throughout.	E-489	1.9		66.97
		(50- 60) Sludge.	E-666	10.0		52.73
55.0	59.0	Pyroxenite - very little apatite.	E-490	4.0		1.55
59.0	60.0	Massive, light green apatite.	E-491	1.0		74.27
60.0	60.5	Lost core.				
60.5	62.5	Pyroxenite - rare apatite.				
62.5	66.5	Acid gneiss and white pegmatite.				
66.5	71.5	Granitized pyroxenite - rare apatite.				
		(60- 70) Sludge.	E-667	10.0		6.86

DIAMOND DRILL LOG

HOLE No. U-248.

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

PAGE No. 4.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₂ P ₂ O ₆ %	
71.5	72.6	White pegmatite.				
72.6	74.0	Lost core.				
74.0	74.3	White pegmatite.				
		(70- 80) Sludge.	E-668	10.0		5.44
74.3	82.7	Pyroxenite - no apatite.				
82.7	87.5	Acid to intermediate gneiss including some blue quartzite.				
		(80- 90) Sludge.	E-669	10.0		7.25
87.5	94.8	Pyroxenite - a few scattered small blebs of apatite.				
		(90- 96) Sludge.	E-670	6.0		4.67
94.8	96.0	Basic hornblende gneiss.				
96.0	-	END OF HOLE. (First drilling)				
96.0	112.0	Basic hornblende-biotite-gneiss.				
		(96- 106) Sludge.	F-155	10.0		3.12
112.0	114.2	Pyroxenite - no apatite.				
		(106- 116) Sludge.	F-156	10.0		0.98
114.2	115.0	Gray pegmatite.				
115.0	118.0	Pyroxenite.				
		(116- 126) Sludge.	F-157	10.0		1.16
118.0	129.7	Basic hornblende-gneiss.				
		(126- 136) Sludge.	F-158	10.0		0.98
129.7	132.3	Pyroxenite - no apatite.				
132.3	136.0	Gray pegmatite.				
136.0	137.1	Basic hornblende-gneiss.				
137.1	139.1	Gray pegmatite.				

DIAMOND DRILL LOG

HOLE No. U-247

PROPERTY CANADIAN SWEETING - HIGH ROCK MINE

PAGE No. 5

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₂ P ₂ O ₇ %	
139.1	142.2	Basic hornblende-gneiss, (136- 146) Sludge.	F-159	10.0	1.73	
142.2	143.3	Gray pegmatite.				
143.3	145.3	Pyroxenite - no apatite.				
145.3	148.5	Basic hornblende-gneiss.				
148.5	150.5	Pyroxenite - some scattered apatite.	F-112	2.0	10.42	
150.5	154.5	Basic hornblende-gneiss, (146- 156) Sludge.	F-160	10.0	3.10	
154.5	155.0	Pyroxenite.				
155.0	157.5	Gray pegmatite. (156- 166) Sludge.	F-161	10.0	9.37	
157.5	164.0	Pyroxenite - a few narrow bands of gray pegmatite - some patchy green apatite.				
		<u>160.0-161.5</u> - Pyroxenite; small amount of disseminated apatite.	F-113	1.5	13.41	
		<u>161.5-163.0</u> - Pyroxenite; rare apatite.	F-114	1.5	4.41	
		<u>163.0-164.0</u> - Pyroxenite; about 6" massive green apatite.	F-115	1.0	47.64	
164.0	164.3	Leopard granite.				
164.3	172.7	As from 157.5 to 164.0.				
		<u>164.0-167.0</u> - Pyroxenite and granites - rare Apatite.	F-116	3.0	6.47	
		(166- 176) Sludge.	F-162	10.0	6.64	

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE.

HOLE No. U-24X.
PAGE No. 6.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ P ₂ O ₈ %	
164.3	172.7	<u>167.0-170.0</u> - Pyroxenite; very little apatite.	F-117	3.0	11.45	
		<u>170.0-172.7</u> - As for F-117.	F-118	2.7	10.09	
172.7	176.0	Gray pegmatite.				
176.0	182.6	Pyroxenite, spotted with some scattered apatite.				
		(176- 186) Sludge.	F-163	10.0	6.01	
		<u>177.2-181.1</u> - Pyroxenite - small amount of disseminated apatite.	F-119	3.9	8.96	
182.6	183.5	Gray pegmatite. At 182.6, there is a 2" fringe of the pegmatite of Leopard granite.				
183.5	188.9	"Spotty" pyroxenite - scattered apatite.				
		(186- 196) Sludge.	F-164	10.0	7.67	
		<u>186.0-187.5</u> - Pyroxenite with some finely disseminated apatite and one 4" band of massive apatite.	F-120	1.5	36.33	
188.9	194.2	Gray pegmatite.				
194.2	200.0	Pyroxenite - at 196.0, there is some light green epidote in the pyroxenite. At 195.5, possible slip at 90 degs. to core axis.				
		(196- 206) Sludge.	F-165	10.0	3.60	
200.0	204.5	Mixed blue quartzite and quartz-biotite-gneiss.				
204.5	-	END OF HOLE.				

QUEBEC SMELTING & REFINING LIMITED

High Rock Mine
PROPERTY.....

215 ST. JAMES STREET WEST — MONTREAL

HOLE NO. U-25

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 3

DIP Horizontal LENGTH 116.4 ~~XXXXXXXXXX~~ Elevation 491.5 BEARING.....

LOCATION Hart Drift DIRECTION OF BORE N55° 00'E LAT. 5344.3N DEP. 5872.2

DISTANCE		DESCRIPTION	SHORTS	SANDS SAMPLE	SAMPLE No.	LENGTH FEET	ANALYSIS							
FROM	TO						GOLD DPL oz.	SILVER oz.	COPPER %	LEAD %	ZINC %	IRON %		
		<u>71.2 - 75.0</u> - 50% + apatite in pyroxenite			E 636	3.8'	42.16							
		<u>75.0 - 78.3</u> - As for E 636			E 637	3.3'	54.26							
78.3	80.0	Pink pegmatite			E 638	1.7'	2.01							
80.0	80.3	Pyroxenite												
			80-90		E 679	10'	16.95							
80.3	80.8	Massive green apatite												
80.8	100.0	Pyroxenite - some scattered apatite	90-100		E 680	10'	14.48							
		<u>80.0 - 85.0</u> - Pyroxenite 6" massive apatite a and some finely disseminated apatite throughout.			E 639	5.0'	16.40							
		<u>85.0 - 90.0</u> Similar to E 639 except for massive apatite band.			E 640	5.0'	9.24							
		<u>90.0 - 95.0</u> - Similar to E 640 but slightly increased apatite			E 641	5.0'	15.23							
		<u>95.0 - 100.0</u> - Pyroxenite scattered apatite throughout			E 642	5.0'	9.04							
100.0	110.2	Massive green apatite a few small patches of pyroxenite	100-110		E 681	10'	72.81							
		<u>100.0 - 103.0</u> - Massive apatite about 15% pyroxenite			E 643	3.0'	47.82							

QUEREC SMELTING & REFINING LIMITED

215 ST. JAMES STREET WEST — MONTREAL

PROPERTY High Rock Mine

HOLE NO. U-26

DIAMOND DRILL SAMPLING RECORD

SHEET NO. 1

DIP 27° 30' LENGTH 104.1 ~~XXXXXXXX~~ Elevation 493.4 BEARING

LOCATION Hart Stope DIRECTION OF BORE N55° 30'E LAT. DEPTH 5872.6E

DISTANCE		DESCRIPTION	SHORTS	SANDS SAMPLE	SAMPLE No.	LENGTH FEET	ANALYSIS						
FROM	TO						GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZINC %	TRC#	
0.0	1.0	Casing		0-10	E683	10'	PBL 4.48						
1.0	9.4	Pyroxenite - some scattered apatite											
		1.0 - 2.5 - Pyroxenite with about 15% fine apatite			E648	1.5	18.24						
9.4	10.2	Pink Pegmatite											
10.2	17.1	Pyroxenite - small amount of disseminated apatite		10-20	E684	10'	4.46						
17.1	23.3	Quartz biotite gneiss and white Pegmatite											
				20-30	E685	10'	2.80						
23.3	28.5	Pyroxenite - rare apatite											
28.5	30.7	Intermediate to basic biotite hornblende gneiss											
30.7	43.0	Pyroxenite - very small amount of scattered apatite		30-40	E686	10'	6.44						
43.0	62.8	Basic hornblende biotite gneiss		40-50	E687	10'	0.63						
				50-60	E688	10'	0.96						
62-8	68.0	Pyroxenite - well granitized phase no apatite		60-70	E689	10'	1.05						

QUEBEC SMELTING & REFINING LIMITED

Hole No. Q-272

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED
Company

HIGH ROCK MINE
Address

ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1

RANGE VII, LOT 5
Claim No.

LOCATION HART STONE

DIP-COLLAR $-31^{\circ} 00'$ STRIKE N $56^{\circ} 00'$ E

ft. LENGTH 145.5'

ft. ELEVATION 489.8'

ft. LATITUDE 5343.8 N

ft. DEPARTURE 5871.6 E

Date Started Date Finished

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. H-277

PAGE No. 2

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₂ P ₂ O ₇ %	
0.0	1.1	Casing.				
1.1	3.0	Pyroxenite - rare apatite.	E-650	1.9		5.57
3.0	3.3	Lost core.				
		<u>Sludge - (0- 10)</u>	E-884	10.0		40.87
3.3	5.4	Massive apatite - green with red & gray spots.	E-651	2.1		85.30
5.4	9.0	Pyroxenite; two 1" massive bands and some finer disseminations of apatite.	E-652	3.6		11.80
9.0	10.0	Pink granite (leopard ?) - has gneissic texture.				
10.0	15.0	Pyroxenite - rare apatite.				
		<u>Sludge - (10- 20)</u>	E-885	10.0		4.17
15.0	15.3	Pink pegmatite.				
15.3	15.7	Lost core.				
15.7	19.9	Pyroxenite - small amount of apatite.				
		<u>17.9- 19.0</u> - Pyroxenite; some scattered apatite.	E-653	2.0		2.60
19.9	23.0	50% green apatite in pyroxenite.	E-654	3.1		49.11
		<u>Sludge - (20- 30)</u>	E-886	10.0		23.98
23.0	36.2	Pyroxenite with irregular blebs of massive apatite, as well as fine disseminations of apatite throughout.				
		<u>23.0- 27.0</u> - Pyroxenite; some apatite in narrow massive bands; possibly 15%.	E-655	4.0		11.14

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. H-277

PAGE No. 3

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₂ P ₂ O ₇ %	
23.0	36.2	<u>27.0- 31.0</u> - As for E-655.	E-656	4.0	16.65	
		<u>31.0- 33.0</u> - Similar to H-655.	E-657	2.0	17.69	
		<u>Sludge - (30- 40)</u>	E-827	10.0	11.97	
36.2	52.3	Gneiss; mainly quartz-biotite-gneiss. Contact at 36.2 is sharp, regular and is at 40° to core axis. The contact at 52.3 is more gradational.				
		<u>Sludge - (40- 50)</u>	E-888	10.0	5.20	
52.3	59.5	Basic hornblende-gneiss.				
		<u>Sludge - (50- 60)</u>	E-928	10.0	1.44	
59.5	66.3	Gneiss - acid quartz-gneiss, chiefly.				
		<u>Sludge - (60- 70)</u>	E-929	10.0	3.87	
66.3	92.0	Dark, basic hornblende-gneiss.				
		<u>Sludge - (70- 80)</u>	E-930	10.0	0.92	
		<u>Sludge - (80- 90)</u>	E-931	10.0	1.46	
92.0	94.5	Pyroxenite - fine-grained to 94.0, then "spotty", coarse scapolite-phase.				
94.5	95.0	Pink pegmatite.				
		<u>Sludge - (90-100)</u>	E-932	10.0	2.51	
95.0	102.4	Pyroxenite - spotty scapolite and small amounts of titanite. A few small blebs of green apatite.				
		<u>Sludge - (100-110)</u>	E-933	10.0	59.28	

DIAMOND DRILL LOG

HOLE No. H-277

PROPERTY CORSEC SWELTING - HIGH ROCK MINE

PAGE No. 4

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ P ₂ O ₈ %	
95.0	102.4	<u>95.0-98.0</u> - Pyroxenite; very little apatite.	E-693	3.0	2.99	
		<u>98.0-101.0</u> - Similar to E-693.	E-694	3.0	1.79	
		<u>101.0-102.4</u> - Pyroxenite; slightly increased apatite over E-694.	E-695	1.4	3.10	
102.4	107.1	Massive apatite, green with red apatite streaks. A few small spots of pyroxenite.				
		<u>102.4-105.0</u> - Massive apatite - some pyroxenite.	E-696	2.6	95.11	
		<u>105.0-107.1</u> - Massive green apatite	E-697	2.1	66.69	
107.1	110.8	Lost core.				
110.8	112.5	Massive green apatite - about 20% pyroxenite.	E-698	1.7	46.22	
112.5	114.5	Pyroxenite - very little apatite.	E-699	2.0	6.90	
		<u>Sludge</u> - (110-120)	E-934	10.0	32.31	
114.5	115.6	Massive green apatite - small amount of pyroxenite.	E-700	1.1	54.28	
115.6	125.5	Pyroxenite - mainly the spotty type; small amount of scattered green apatite.				
		<u>115.6-118.0</u> - Pyroxenite; small amount of scattered apatite.	E-876	2.4	3.43	
		<u>118.0-120.5</u> - Similar to above.	E-877	2.5	10.46	
		<u>120.5-122.5</u> - Similar to E-877.	E-878	2.0	2.03	
		<u>122.5-125.0</u> - Pyroxenite; small amount of finely scattered apatite.	E-879	2.5	7.27	

DIAMOND DRILL LOG

HOLE No. U-277

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

PAGE No. 5

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca, P, O ₂ %	
115.6	145.5	<u>125.0-128.0</u> - Pyroxenite; rare apa- tite.	E-880	3.0	8.23	
		Sludge - (120-130)	E-935	10.0	10.29	
		<u>128.0-133.0</u> - Pyroxenite; increased apatite.	E-881	5.0	22.48	
		<u>133.0-136.0</u> - Pyroxenite; rare apa- tite.	E-882	3.0	3.17	
		Sludge - (130-140)	E-936	10.0	14.79	
		<u>136.0-138.0</u> - Pyroxenite; includes trc, 3" massive blades of green apatite.	E-883	2.0	25.06	
		Sludge - (140-145)	E-937	5.0	9.04	
145.5	-	END OF HOLE.				

Hole No. U-288

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED
Company

ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1
Address

HIGH ROCK MINE

RANGE VII, LOT 5
Claim No.

LOCATION

DIP-COLLAR HORIZONTAL STRIKE N 55° 30' E

ft. LENGTH 108.0'

ft. ELEVATION 508.1'

ft. LATITUDE 5312.9 N

ft. DEPARTURE 5909.7 E

Date Started Date Finished

DIAMOND DRILL LOG

PROPERTY QUEBEC SWELTING - HIGH ROCK MINE

HOLE No. B-23A

PAGE No. 2

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
0.0	1.5	Casing.				
1.5	2.6	Pyroxenite with about 35% apatite.	E-889	1.1		22.72
2.6	3.6	Pink gneiss (Leopard ?).	E-890	1.0		0.37
3.6	5.2	Massive apatite - about 60% apatite in pyroxenite.	E-891	1.6		66.95
		<u>Sludge - (0- 10)</u>	E-943	10.0		31.5
5.2	6.4	Pyroxenite - about 25 % apatite.	E-892	1.2		15.36
6.4	7.1	Massive green apatite.	E-893	0.7		10.04
7.1	9.6	Pyroxenite - some disseminated apatite thruout.	E-894	2.5		4.85
9.6	10.6	Massive green sugary, apatite.	E-895	1.0		31.00
10.6	13.6	Pyroxenite - some disseminated apatite throughout.	E-896	3.0		7.62
13.6	14.8	Massive green apatite.	E-897	1.2		33.62
		<u>Sludge - (10- 20)</u>	E-944	10.0		31.93
14.8	15.4	Pyroxenite - 30 to 40% apatite.	E-898	0.6		13.11
15.4	16.4	Massive green apatite.	E-899	1.0		31.14
16.4	18.2	Pyroxenite - 15 to 20% apatite.	E-900	1.8		17.32
18.2	20.6	Pyroxenite - small amount of scattered apatite.				
20.6	25.3	Mixed pink and quartz pegmatite.				
		<u>Sludge - (20- 30)</u>	E-945	10.0		2.03
25.3	27.9	Highly altered pyroxenite with a yellowish-green tinge. There is a 7" band of light yellow material (epidote ?) at 26.0'.				
27.9	30.5	Dark, hornblende-gneiss.				

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. U-28X.

PAGE No. 3.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ P ₂ O ₈ %	
30.5	37.0	Pyroxenite - yellowish, alteration minerals - some probably caused by iron oxide stain. From 32.6-33.4, brecciated zone.				
		Sludge - (30- 40)	E-946	10.0		5.13
37.0	41.0	Dark, basic hornblende-gneiss.				
		Sludge - (40- 50)	E-947	10.0		3.34
		- (50- 60)	E-948	10.0		15.05
		- (60- 70)	E-949	10.0		6.60
		- (70- 80)	E-950	10.0		7.67
		- (80- 90)	E-951	10.0		8.82
41.0	90.5	Coarse pyroxenite. Scapolite throughout in varying amounts. Some scattered apatite in blebs & narrow massive, stringers. There are a few 6" bands of pink pegmatite.				
		<u>47.0- 50.5</u> - Pyroxenite; scattered coarse apatite, possibly 15%.	E-901	3.5		17.45
		<u>50.5- 53.0</u> - Pyroxenite; small amount of apatite.	E-902	2.5		10.66
		<u>61.5- 65.0</u> - Pyroxenite; small amount of evenly disseminated green apatite throughout.	E-903	3.5		10.29
		<u>65.0- 67.5</u> - Pyroxenite; rare apatite.	E-904	2.5		2.81

DIAMOND DRILL LOG

PROPERTY CUMBER SMELTING - HIGH ROCK MINE

HOLE No. U-187

PAGE No. 4

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
61.0	90.5	<u>67.5- 69.5</u> - Pyroxenite increased disseminated apatite.	E-905	2.0	29.33	
		<u>69.5- 71.5</u> - Pyroxenite; small amount of evenly disseminated apatite.	E-906	2.0	8.50	
		<u>81.5- 84.5</u> - Similar to E-906.	E-907	3.0	17.08	
		<u>84.5- 87.5</u> - As above.	E-908	3.0	7.36	
		<u>87.5- 90.5</u> - Pyroxenite; small amount of evenly disseminated apatite.	E-909	3.0	3.01	
90.5	92.7	Massive, light green sugary, apatite.	E-910	2.2	33.68	
		Sludge - (90-100)	E-952	10.0	40.46	
92.7	94.0	Pyroxenite; with scattered apatite.	E-911	1.3	5.94	
94.0	95.4	Massive, green, crystalline apatite.	E-912	1.4	67.91	
95.4	97.6	Pyroxenite; fair amount of patchy green apatite.	E-913	2.2	22.50	
97.6	103.5	Granitized pyroxenite cut by many small pegmatite stringers - some disseminated apatite.				
		Sludge - (100-108)	E-953	8.0	8.41	
103.5	105.0	Pink pegmatite.				
105.0	108.0	Blue quartzite.				
108.0	-	END OF HOLE.				

Hole No. 2-291.....

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED
Company

ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1
Address

HIGH ROCK MINE

RANGE VII, LOT 5
Claim No.

LOCATION

DIP-COLLAR Plus 24° 30' STRIKE N54° 45'E

ft. LENGTH 112.0'

ft. ELEVATION 510.82'

ft. ATTITUDE 5313.94 N

ft. DEPARTURE 5910.90 E

Date Started Date Finished

VAEIVG2

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. D-297.

PAGE No. 2.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					CaF ₂	g/g
0.0	1.5	Quartz.				
1.5	4.0	Pyroxenite - somewhat granitized very little apatite.				
		Sludge - (0- 10)	E-980	10.0		8.15
4.0	5.1	Pink granite (Leopard 7).				
5.2	5.3	Pyroxenite.				
5.3	6.7	Mixed pink & white pegmatite.				
6.7	11.0	Granitized pyroxenite - small amount of scattered apatite.				
		Sludge - (10- 20)	E-987	10.0		1.31
11.0	15.2	Basic hornblende-gneiss.				
15.2	18.4	Mixed gneisses and pegmatite - mainly quartz-biotite-gneiss but some basic phases.				
18.4	19.2	Pink pegmatite.				
19.2	21.4	Granitized pyroxenite - very little apatite.				
		<u>20.0- 21.4</u> - Pyroxenite; very little apatite.	E-914	1.4		10.44
21.4	22.6	Massive, light green & brown apa- tite.	E-915	1.2		73.20
22.6	24.8	Granitized pyroxenite - some disseminated apatite.				
		<u>22.6- 24.0</u> - Pyroxenite; small a- mount of apatite.	E-916	1.4		6.68
		Sludge - (20- 30)	E-982	10.0		15.36
24.8	28.0	Dark, basic hornblende-gneiss.				

DIAMOND DRILL LOG

HOLE No. B-297

PROPERTY CHIBRO SMELTING - HIGH ROCK MINE

PAGE No. 2

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES		
					Ca	P	Si
28.0	33.5	Light gray coloured pyroxenite ? Change is gradual at both contacts. The section from 29.0 to 31.5 has broken, brecciated appearance. Fault zone ?					
		<u>Sludge - (30- 40)</u>	E-983	10.0	2.23		
		- (40- 50)	E-984	10.0	1.55		
33.5	54.0	Basic hornblende-gneiss.					
54.0	66.5	Pyroxenite with considerable amounts of scapolite, particularly from 62 to 70.					
		<u>Sludge - (50- 60)</u>	E-985	10.0	1.27		
66.5	68.7	Pink pegmatite with considerable included pyroxenite.					
		<u>Sludge - (60- 70)</u>	E-986	10.0	3.58		
68.7	74.7	Pyroxenite with scapolite.					
74.7	82.1	Basic hornblende-gneiss.					
		<u>Sludge - (70- 80)</u>	E-987	10.0	4.78		
82.1	94.5	Granitized pyroxenite.					
		<u>Sludge - (80- 90)</u>	E-988	10.0	4.63		
		Section from 93 to 94 is very broken rock of mixed pyroxenite & pegmatite. Possibly a fault or slip zone.					
94.5	97.5	Pink pegmatite with considerable included pyroxenite.					
		<u>Sludge - (90-100)</u>	E-989	10.0	4.70		

Hole No. U-30X.....

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

..... QUEBEC SMELTING & REFINING LIMITED

Company

..... ROOM 301 - 315 ST. JAMES ST. WEST, MONTREAL 1

Address

..... HIGH ROCK MINE

..... RANGE VII, LOT 5

Claim No.

LOCATION.....

DIP-COLLAR..... -29° 37'

STRIKE..... N 49° 50' W

ft.

~~LENGTH~~

5596.16 N

(Latitude)

ft.

~~LENGTH~~
ELEVATION

5844.09 E

(Departure)

ft.

~~LENGTH~~
LATITUDE

160.2'

(Length)

ft.

~~LENGTH~~
DEPARTURE

473.80'

(Elevation)

Date Started.....

Date Finished.....

DIAMOND DRILL LOG

HOLE No. U-30X

PROPERTY QUEBEC SHELFING - HIGH ROCK MINE

PAGE No. 2

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₂ P ₂ O ₈ %	
0.0	1.0	Casing.				
1.0	14.8	Granitized pyroxenite - small amounts of scattered apatite.				
		<u>Sludge - (0- 10)</u>	E-991	10.0		5.57
		<u>12.0- 14.8 - Pyroxenite; small amount of disseminated apatite.</u>	E-917	2.8		6.91
14.8	16.0	Massive green apatite.	E-918	1.2		81.36
		<u>Sludge - (10- 20)</u>	E-992	10.0		19.48
16.0	16.5	Pyroxenite.	E-919	0.5		8.27
16.5	18.3	Massive green sugary, apatite.	E-920	1.8		74.69
18.3	20.0	Pyroxenite - rare apatite.	E-921	1.7		0.63
		<u>Sludge - (20- 30)</u>	E-993	10.0		0.48
20.0	38.2	Acid gneisses of various compositions. Chiefly quartz-biotite-gneiss.				
		<u>Sludge - (30- 40)</u>	E-994	10.0		5.66
38.2	39.0	Pyroxenite.				
39.0	41.6	Intermediate gneiss.				
41.6	43.6	Pyroxenite.				
		<u>Sludge - (40- 50)</u>	E-995	10.0		3.67
43.6	48.0	Acid and intermediate gneiss.				
48.0	54.0	Altered pyroxenite - yellowish-green tinge - rare apatite.				
54.0	74.8	Dark, basic hornblende-biotite-gneiss.				
		<u>Sludge - (60- 70)</u>	E-996	10.0		1.20
74.8	79.0	Gray pegmatite.				

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. U-307.
PAGE No. 3.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ P ₂ O ₈ %	
		<u>Sludge - (80- 90)</u>	E-997	10.0	1.81	
79.0	86.2	Basic hornblende-gneiss.				
86.2	96.0	Light gray pyroxenite with a few scattered blobs of massive green apatite.				
		<u>Sludge - (90-100)</u>	E-998	10.0	11.56	
		<u>89.4- 92.5</u> - Pyroxenite; some scattered green apatite.	E-922	3.1	14.18	
		<u>92.5- 96.0</u> - Similar to E-922.	E-923	3.5	12.82	
96.0	98.5	Gray pegmatite.	E-957	2.5	1.03	
98.5	101.5	Pyroxenite - small amount of scattered apatite.	E-958	3.0	15.09	
101.5	103.1	Gray pegmatite.	E-959	1.6	1.53	
103.1	111.7	Pyroxenite - finely disseminated apatite throughout.				
		<u>Sludge - (100-110)</u>	E-949	10.0	16.88	
		<u>103.1-107.0</u> - Pyroxenite; disseminated apatite.	E-924	3.9	5.05	
		<u>107.0-111.7</u> - Similar to E-924.	E-925	4.7	5.48	
111.7	116.7	Massive green apatite.				
		<u>111.7-115.0</u> - Massive apatite.	E-954	3.3	64.32	
		<u>115.0-116.7</u> - Massive apatite.	E-955	1.7	79.36	
116.7	155.0	Pyroxenite; some disseminated apatite throughout and a few small massive bands.				
		<u>Sludge - (110-120)</u>	E-1000	10.0	14.56	

DIAMOND DRILL LOG

PROPERTY CORSECO SMELTING - HIGH ROCK MINE

HOLE No. E-307.

PAGE No. 4.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ P ₂ O ₈ %	%
116.7	159.0	116.7-120.0 - Pyroxenite; small amount of disseminated apatite.	E-956	3.3		3.80
		120.0-125.0 - Similar to E-956.	E-960	5.0		9.59
		Sludge - (120-130)	F-76	10.0		10.88
		125.0-130.0 - As above.	E-961	5.0		7.56
		130.0-135.0 - Similar to E-961.	E-962	5.0		8.50
		135.0-137.5 - Pyroxenite, partially granitized. Some disseminated apatite and one 4" band of massive apatite at 137.0'.	E-963	2.5		22.65
		Sludge - (130-140)	F-77	10.0		34.08
		137.5-140.0 - Pyroxenite. Small amount of disseminated apatite.	E-964	2.5		3.47
		140.0-145.0 - As above.	E-965	5.0		13.57
		Sludge - (140-150)	F-78	10.0		13.06
		145.0-150.0 - Pyroxenite; small amount disseminated apatite.	E-966	5.0		9.94
		150.0-152.5 - As above.	E-967	2.5		8.48
		152.5-155.0 - Pyroxenite - increased apatite. One 3" massive band at 154.0.	E-968	2.5		29.90
155.0	157.0	Basic hornblende-gneiss.				
157.0	158.9	Pyroxenite - very little apatite.				
		Sludge - (150-160)	F-79	10.0		11.14
158.9	160.2	Basic hornblende-gneiss.				
160.2	-	END OF HOLE.				

QUEBEC SMELTING & REFINING LIMITED

Hole No. U-31X

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED

Company

ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1

Address

HIGH ROCK MINE

RANGE VII, LOT 5

Claim No.

LOCATION

DIP-COLLAR 0° STRIKE $51^{\circ} 05' E$

ft. LENGTH 91.1'

ft. ELEVATION 520.39'

ft. LATITUDE 5298.02 N

ft. DEPARTURE 5942.09 E

Date Started Date Finished

VAEYVCE2

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. U-31X.
PAGE No. 2.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES		
					Ca ₃ P ₂ O ₈ %		
0.0	1.0	Casing.					
1.0	2.5	quartz-biotite-gneiss.					
		<u>Sludge</u> - (0- 10)	F-80	10.0		3.21	
2.5	4.3	Pink pegmatite.					
4.3	38.3	Dark, basic gneiss. A very small amount of acid gneiss and a few spots of pink pegmatite.					
		<u>Sludge</u> - (10- 20)	F-81	10.0		1.68	
		- (20- 30)	F-82	10.0		1.31	
		- (30- 40)	F-83	10.0		1.77	
38.3	41.5	Pyroxenite, granitized, spotty scapolite.					
41.5	43.2	Gneiss and pegmatite.					
		<u>Sludge</u> - (40- 50)	F-84	10.0		4.61	
43.2	75.2	"Spotty" pyroxenite. A few narrow bands of dark green apatite from 63.4 to 75.2.					
		<u>Sludge</u> - (50- 60)	F-85	10.0		2.12	
		- (60- 70)	F-86	10.0		19.03	
		<u>63.4- 66.5</u> - pyroxenite; a few narrow bands of apatite.	F-969	3.1		28.44	
		<u>66.5- 69.5</u> - similar to F-969.	F-970	3.0		9.11	
		<u>69.5- 70.0</u> - Lost core.					
		<u>70.0- 74.2</u> - Pyroxenite; small amount of disseminated apatite.	F-971	4.2		14.66	
		<u>74.2- 75.0</u> - Lost core.					

Hole No. U-321.....

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED

Company

ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1

Address

HIGH ROCK MINE

RANGE VII, LOT 3

Claim No.

LOCATION.....

DIP-COLLAR. Plus 26° 00' STRIKE N 49° 00' E

.....ft. LENGTH 104.7'

.....ft. ELEVATION 477.00

.....ft. LATITUDE 5399.00 N

.....ft. DEPARTURE 5847.60 E

Date Started Date Finished

Form (10-50) I.P.C.I.

Flow

to

Ground
Core

WINDY
LOGS

Depth
Analog

VAEBVCE2

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. U-32A.

PAGE No. 2.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ P ₂ O ₈ %	
0.0	0.5	Casing.				
		<u>Sludge</u> - (0- 10)	F-89	10.0		5.40
		- (10- 20)	F-90	10.0		11.45
		- (20- 30)	F-91	10.0		18.53
0.5	35.2	Pyroxenite - small amount of apatite.				
		<u>Sludge</u> - (30- 40)	F-92	10.0		5.05
		<u>5.0- 6.5</u> - Pyroxenite with a little apatite.	E-972	1.5		5.92
		<u>6.5- 10.0</u> - Pyroxenite; less apatite, than above.	E-973	3.5		6.03
		<u>10.0- 13.0</u> - Similar to E-973.	E-974	3.0		11.46
		<u>25.0- 30.0</u> - Pyroxenite; small amount of finely disseminated apatite.	E-975	5.0		8.68
		<u>30.0- 33.7</u> - Pyroxenite; increased disseminated apatite.	E-977	3.7		15.12
35.2	38.4	Gray pegmatite.				
38.4	43.2	Pyroxenite - very little apatite.				
		<u>41.2- 43.2</u> - Pyroxenite; very little apatite.	E-978	2.0		0.01
		<u>Sludge</u> - (40- 50)	F-93	10.0		12.30
43.2	44.3	Massive green apatite - including small amount of pegmatite.	E-979	1.1		74.34
44.3	87.3	Pyroxenite - very little apatite except a 2" band at 85.2.				
		<u>Sludge</u> - (50- 60)	F-94	10.0		8.41
		- (60- 70)	F-95	10.0		7.10

Hole No. U-331.....

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

..... QUEBEC SMELTING & REFINING LIMITED

Company

..... ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1

Address

..... HIGH ROCK MINE

..... RANGE VII, LOT 5

Claim No.

LOCATION.....

DIP-COLLAR Plus 250 10' STRIKE N 52° 30' E

..... ft. LENGTH 99.5'

..... ft. ELEVATION 525.52

..... ft. LATITUDE 5298.95 N

..... ft. DEPARTURE 5943.44 E

Date Started Date Finished

Form 1 (10-50) I.P.C.L.

VAEBVGE2

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. U-33X

PAGE No. 2

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ PO ₄ %	
0.0	0.5	Casing.				
0.5	1.4	Massive dark green & pink apatite.	F-107	0.9	54.57	
1.4	12.1	Pyroxenite - rare apatite. From 2.8 to 3.6, slip at low angle to core axis. At 4.5, minor slip at 15° to core axis.				
		<u>Sludge</u> - (0- 10)	F-121	10.0	11.18	
12.1	16.7	Mixed basic gneiss and pyroxenite.				
		<u>Sludge</u> - (10- 20)	F-122	10.0	3.25	
16.7	30.0	Pyroxenite, granitized in spots. Frequently has a gneissic appear- ance which may be result of par- tially assimilated & altered gneiss?				
		<u>Sludge</u> - (20- 30)	F-123	10.0	1.66	
30.0	42.3	Fine-grained, basic hornblende gneiss. A few small pink pegmatite stringers up to 3" in core length.				
		<u>Sludge</u> - (30- 40)	F-124	10.0	1.59	
42.3	59.8	Granitized pyroxenite. A few mi- nor slips running along the core from 43 to 45'. A two-inch band of massive apatite at 46.3 and occa- sionally minor amounts of dissemi- nated dark apatite.				
		<u>Sludge</u> - (50- 60)	F-126	10.0	13.06	
		- (40- 50)	F-125	10.0	6.31	

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. U-33X.

PAGE No. 3.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ P ₂ O ₈ %	
42.3	59.8	45.8- 46.8 - Granitized pyroxenite - small amount of apatite. One 2" massive apatite band.	F-100	1.0	16.10	
		52.5- 56.0 - Pyroxenite. Small amount of evenly disseminated brown apatite.	F-101	3.5	10.83	
		56.0- 58.5 - Similar to F-101 but less apatite.	F-102	2.5	6.82	
59.8	61.6	Mixed basic gneiss and pink pegmatite.				
61.6	86.0	Granitized pyroxenite. A few small bands of pink pegmatite. Some disseminated apatite. From 81.0 to 86.0, an area of numerous small gouged slips cutting core at various angles, averaging 45°. Possibly a fault zone.				
		Sludge - (60- 70)	F-127	10.0	15.12	
		- (70- 80)	F-128	10.0	11.27	
		71.0- 74.0 - Granitized pyroxenite - small amount of disseminated brown apatite.	F-103	3.0	8.34	
		74.0- 77.0 - Granitized pyroxenite; slightly increased apatite.	F-104	3.0	13.26	
		77.0- 81.0 - Granitized pyroxenite; small amount of disseminated apatite.	F-105	4.0	5.35	

Hole No. U-34X.....

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED
Company

ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1
Address

HIGH ROCK MINE

RANGE VII, LOT 6
Claim No.

LOCATION

DIP-COLLAR 0° STRIKE $S 36^{\circ} 05' W$

ft. LENGTH 53.5'

ft. ELEVATION 471.71'

ft. LATITUDE 5504.19 N

ft. DEPARTURE 5786.22 E

Date Started Date Finished

VAEUYG2

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. U-34X.
PAGE No. 2.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ P ₂ O ₈ %	
0.0	0.8	Casing.				
0.8	1.8	Massive, light green apatite.	F-106	1.0	60.66	
		<u>Sludge - (9- 10)</u>	F-150	10.0	19.99	
1.8	13.0	Pyroxenite - spotty disseminated green apatite.				
		<u>Sludge - (10- 20)</u>	F-151	10.0	5.59	
		1.8- 4.0 - Pyroxenite; some scattered apatite.	F-108	2.2	7.69	
		4.0- 7.0 - Pyroxenite; fair amount of disseminated apatite - possibly 20%.	F-109	3.0	25.84	
		7.0- 10.0 - Pyroxenite; less apatite than in F-109.	F-110	3.0	12.01	
		10.0- 13.0 - Pyroxenite; very little apatite.	F-111	3.0	7.49	
13.0	15.0	Quartz-gneiss (pegmatitic?) with small patches of pyroxenite.				
15.0	18.0	Pyroxenite; small amount of disseminated apatite.				
18.0	19.5	Well banded quartz-biotite-gneiss banding at 90° to core axis.				
19.5	21.5	Pyroxenite; very little apatite.				
		<u>Sludge - (20- 30)</u>	F-152	10.0	5.33	
21.5	27.5	Quartz-gneiss (pegmatitic). The central section is glassy-white, full quartz.				
27.5	36.7	Pyroxenite; predominantly dark green - some normal grey colour.				

QUEBEC SMELTING & REFINING LIMITED

Hole No. U-35X.....

DIAMOND DRILL LOG

.....QUEBEC SMELTING & REFINING LIMITED.....
Company

.....ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1.....
Address

.....HIGH ROCK MINE.....

.....RANGE VII, LOT 6.....
Claim No.

LOCATION.....HOT DRIFT.....

DIP-COLLAR.....0°.....STRIKE.....S 49° 15' W.....

.....ft.....LENGTH.....73.61.....

.....ft.....ELEVATION.....483.04'.....

.....ft.....LATITUDE.....5517.37 N.....

.....ft.....DEPARTURE.....5743.94 E.....

Date Started.....Date Finished.....

DIAMOND DRILL LOG

PROPERTY QUBEC SMELTING - HIGH ROCK MINE

HOLE No. U-35X.

PAGE No. 2.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ P ₂ O ₈ %	
0.0	1.0	Casing.				
1.0	8.0	Pyroxenite; small amount of scattered apatite.				
		<u>Sludge - (0- 10)</u>	F-176	10.0		7.65
		1.0- 2.5 - Pyroxenite; some disseminated apatite.	F-131	1.5		5.64
8.0	12.5	Intermediate to acid gneiss.				
		<u>Sludge - (10- 20)</u>	F-177	10.0		8.48
12.5	16.0	Pyroxenite; very little apatite.				
16.0	19.1	Intermediate to acid gneiss.				
19.1	22.5	Pyroxenite; no apatite.				
22.5	24.5	Intermediate gneiss.				
24.5	25.5	Pyroxenite.				
25.5	32.5	Mixed acid and intermediate gneisses.				
		<u>Sludge - (20- 30)</u>	F-178	10.0		3.12
32.5	35.5	Pyroxenite; no apatite.				
35.5	38.5	Gray permatite.				
		<u>Sludge - (30- 40)</u>	F-179	10.0		3.67
38.5	45.3	Mixed quartz-biotite and quartz-gneiss.				
		<u>Sludge - (40- 50)</u>	F-180	10.0		4.61
45.3	60.0	Granitized pyroxenite - some disseminated apatite. There is a possible fault at 53.5 (shearing at 45° to core axis and considerable pyrite).				

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. U-353.

PAGE No. 3.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca	P ₂ O ₅
45.3	60.0	45.7- 50.0 - Granitized pyroxenite; small amount of scattered apatite.	F-132	4.3	5.02	
		<u>Sludge - (50- 60)</u>	F-181	10.0	9.28	
		50.0- 52.5 - Granitized pyroxenite; small amount of apatite.	F-133	2.5	9.44	
		52.5- 55.0 - Similar to F-133.	F-134	2.5	6.42	
		55.0- 58.5 - Granitized pyroxenite; small amount of apatite.	F-135	3.5	11.84	
60.0	63.6	Sheared rock with very high biotite content - in spots to heavy biotite-schist. There are a few small spots of green apatite. Probably fault zone. (The "45"?)				
		<u>Sludge - (60- 70)</u>	F-182	10.0	2.77	
63.6	64.4	Light coloured pyroxenite - no apatite.				
64.4	73.6	Quartz-pogmatite.				
		<u>Sludge - (70- 74)</u>	F-183	4.0	2.69	
73.6	-	END OF HOLE.				

19 Jan 51 1.

Hole No. U-362,

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

..... QUEBEC SMELTING & REFINING LIMITED
Company

..... ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1
Address

..... HIGH ROCK MINE
.....

..... RANGE VII, LOT 6
Claim No.

LOCATION NOT DRIFT

DIP-COLLAR 0° STRIKE N 37° 26' E

..... ft. LENGTH 64.5'

..... ft. ELEVATION 473.4'

..... ft. LATITUDE 5566.28 N

..... ft. DEPARTURE 5786.90 E

Date Started Date Finished

Form 1 (10-50) I.P.C.L.

VAKYCES

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. U-367

PAGE No. 2

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca	P ₂ O ₅
0.0	1.0	Casing.				
1.0	2.4	Pyroxenite; considerable sugary apatite - possibly 25%.	F-136	1.4		20.29
2.4	3.0	Lost core.				
3.0	8.5	Intermediates to basic biotite-gneiss.				
		<u>Sludge - (2- 10)</u>	F-205	9.0		31.00
8.5	12.2	Pyroxenite with some scattered apatite.				
12.2	13.1	Gray pegmatite.				
		<u>Sludge - (10- 20)</u>	F-206	10.0		13.77
13.1	24.0	Pyroxenite. Fair amount of scattered apatite including a few small massive bands.				
		<u>Sludge - (20- 30)</u>	F-207	10.0		13.75
		<u>13.1- 16.0</u> - Pyroxenite; some scattered apatite.	F-137	2.9		4.67
		<u>16.0- 20.0</u> - Pyroxenite; scattered apatite, possibly 15%.	F-138	4.0		16.52
		<u>20.0- 24.0</u> - Similar to above but slightly less apatite.	F-139	4.0		13.50
24.0	27.8	Pyroxenite with increased apatite in small massive bands, approximately 35%.	F-140	3.8		43.51
27.8	32.2	Massive green crystalline apatite.	F-141	4.4		82.16
		<u>Sludge - (30- 40)</u>	F-208	10.0		53.98
		- (40- 50)	F-209	10.0		17.43

QUEBEC SMELTING & REFINING LIMITED

Hole No. 5-37X.....

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED
Company

ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1
Address

HIGH ROCK MINE

RANGE VII, LOT 6
Claim No.

LOCATION..... "HOT" DRIFT

DIP-COLLAR..... HORIZONTAL..... STRIKE..... S 38° 05' W

.....ft..... LENGTH..... 43.0'

.....ft..... ELEVATION..... 476.4'

.....ft..... LATITUDE..... 5637.68 N

.....ft..... DEPARTURE..... 5692.71 E

Date Started..... Date Finished.....

Form 1 (10-50) I.P.C.L. (P) 12 FEB 51

Flow 10' Depth Core 1100' Date

QUEBEC

Hole No. U-38X.....

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

..... QUEBEC SMELTING & REFINING LIMITED

Company

..... ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1

Address

..... HIGH ROCK MINE

..... RANGE VII, LOT 6

Claim No.

LOCATION

"HOT" DRIFT

DIP-COLLAR (plus) 32° 30' (up)

STRIKE

N 46° 50' E

ft.

LENGTH

67.2'

ft.

ELEVATION

476.13'

ft.

LATITUDE

5564.19 N

ft.

DEPARTURE

5786.25 E

Date Started

(P) 12 FEB 51.

Date Finished

.....

DIAMOND DRILL LOG

HOLE No. U-38X

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

PAGE No. 2

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES			
					Ca	P	Si	Fe
0.0	1.0	Casing.						
		<u>Sludge - (1-10)</u>	F-215	9.0		0.98		
1.0	17.0	Quartz-biotite-gneiss and quartzite.						
		<u>Sludge - (10-20)</u>	F-216	10.0		36.76		
17.0	19.0	Fault zone - shearing at low angle to core.						
		<u>Sludge - (20-30)</u>	F-217	10.0		14.44		
19.0	29.0	Altered (brecciated?) pyroxenite; somewhat granitized. Scattered spots of sugary apatite.						
		<u>21.0- 23.0</u> - Some scattered apatite.	F-166	2.0		11.82		
		<u>23.0- 27.0</u> - As above.	F-167	4.0		8.30		
		<u>27.0- 29.0</u> - Similar to above.	F-168	2.0		9.35		
		<u>Sludge - (30-40)</u>	F-218	10.0		23.09		
29.0	43.8	Pyroxenite; evenly disseminated fine, crystalline, green apatite throughout. Small amounts of scattered pyrite.						
		<u>29.0- 32.0</u> - Disseminated apatite.	F-169	3.0		9.31		
		<u>32.0- 35.0</u> - Similar to above.	F-170	3.0		8.50		
		<u>35.0- 38.0</u> - Disseminated apatite.	F-171	3.0		11.45		
		<u>38.0- 41.0</u> - As above.	F-172	3.0		17.04		
		<u>41.0- 43.8</u> - As above.	F-173	2.8		14.02		
43.8	48.8	Massive green apatite.	F-174	5.0		80.89		
		<u>Sludge - (40-50)</u>	F-219	10.0		61.93		

QUEBEC SMELTING & REFINING LIMITED

Hole No. U-397.....

DIAMOND DRILL LOG

..... QUEBEC SMELTING & REFINING LIMITED

Company

..... ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1

Address

..... HIGH ROCK MINE

..... RANGE VII, LOT 6

Claim No.

LOCATION

DIP-COLLAR $-31^{\circ} 40'$

STRIKE $N 30^{\circ} 25' E$

ft.

LENGTH

$123.5'$

ft.

ELEVATION

$470.8'$

ft.

LATITUDE

$5563.10 N$

ft.

DEPARTURE

$5784.51 E$

Date Started

Date Finished

DIAMOND DRILL LOG

HOLE No. H-307

PROPERTY CHRYSO EMELTING - HIGH ROCK MINE

PAGE No. 2

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₂ P ₂ O ₈ %	
0.0	1.0	Casing.				
1.0	4.2	Pyroxenite; no apatite.				
4.2	5.8	Gray pegmatite.				
		<u>Sludge - (1- 10)</u>	F-401	9.0	11.40	
5.8	8.5	Pyroxenite; some scattered green apatite.				
		<u>6.0- 8.0 - Pyroxenite; small amount of apatite.</u>	F-309	2.0	6.86	
8.5	10.0	Quartz-biotite-gneiss.				
10.0	11.0	Pyroxenite; some disseminated apatite.				
11.0	12.6	Quartz-biotite-gneiss.				
		<u>Sludge - (10- 20)</u>	F-402	10.0	7.93	
12.6	15.5	Pyroxenite with some patchy apatite.	F-310	2.9	16.69	
15.5	16.3	Quartz-biotite-gneiss.				
16.3	24.5	Pyroxenite; a few small stringers of green apatite & some fine disseminated apatite.				
		<u>18.2- 22.0 - Pyroxenite; fair amount of disseminated apatite.</u>	F-311	3.8	5.74	
		<u>22.0- 24.5 - Similar to above but slightly less apatite.</u>	F-312	2.5	7.41	
		<u>Sludge - (20- 30)</u>	F-403	10.0	4.37	
24.5	35.0	Dark, basic hornblende-biotite-gneiss.				

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. H-39X

PAGE No. 3

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES		
					Ca	P	Si
35.0	40.0	Pyroxenite; with considerable scapolite - small amount of apatite.					
		<u>38.0- 40.0</u> - Pyroxenite; small amount of apatite.	F-313	2.0			9.31
		<u>Sludge</u> - (39- 40)	F-404	10.0			3.91
40.0	49.1	Pyroxenite; increased apatite in narrow bands and as disseminations. There are a few patches of massive biotite and some pyrite.					
		<u>40.0- 43.0</u> - Pyroxenite; increased disseminated apatite, possibly 15%.	F-314	3.0			9.33
		<u>43.0- 46.0</u> - Similar to above.	F-315	3.0			21.73
		<u>46.0- 49.1</u> - Similar to F-315.	F-316	3.1			12.28
49.1	51.6	Massive green apatite.	F-327	2.5			75.69
		<u>Sludge</u> - (40- 50)	F-405	10.0			31.65
51.6	123.5	Pyroxenite with spotty green apatite. There is considerable biotite in small patches (1/2") - much more biotite than has yet been encountered in the pyroxenite. Also, there are a few bands of pink calcite, one being 4" in core length.					
		<u>51.6- 55.0</u> - Pyroxenite with patchy mica & spotty green apatite.	F-328	3.4			10.09
		<u>55.0- 58.0</u> - Similar to above but less apatite.	F-329	3.0			6.36
		<u>58.0- 61.0</u> - Similar to F-329.	F-330	3.0			11.47

DIAMOND DRILL LOG

 HOLE No. 11-397

 PROPERTY CURBEC SMELTING - HIGH ROCK MINE

 PAGE No. 4

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca, P, Mg %	
51.6	123.5	<u>Sludge - (50- 60)</u>	F-406	10.0		21.23
		<u>61.0- 65.0 - Pyroxenite; spotty biotite. Some scattered apatite.</u>	F-331	4.0		16.73
		<u>65.0- 69.0 - Similar to above.</u>	F-332	4.0		8.87
		<u>Sludge - (60- 70)</u>	F-407	10.0		31.13
		<u>69.0- 72.0 - As above.</u>	F-333	3.0		5.79
		<u>72.0- 75.0 - Pyroxenite; very little apatite.</u>	F-334	3.0		4.81
		<u>75.0- 80.0 - Pyroxenite; small amount of spotty apatite.</u>	F-352	5.0		6.68
		<u>Sludge - (70- 80)</u>	F-408	10.0		10.55
		<u>80.0- 82.5 - Pyroxenite; increased apatite.</u>	F-353	2.5		25.12
		<u>82.5- 85.0 - Similar to above but less apatite.</u>	F-354	2.5		12.69
		<u>85.0- 87.5 - Pyroxenite; small amount of scattered apatite.</u>	F-355	2.5		16.93
		<u>Sludge - (80- 90)</u>	F-409	10.0		14.39
		<u>87.5- 91.5 - Pyroxenite; very little apatite.</u>	F-356	4.0		7.27
		<u>91.5- 95.0 - Pyroxenite; small amount of disseminated apatite.</u>	F-426	3.5		6.03
		<u>Sludge - (90-100)</u>	F-410	10.0		7.56
		<u>95.0-100.0 - Pyroxenite; not much apatite.</u>	F-427	5.0		4.76
		<u>100.0-105.0 - As above.</u>	F-428	5.0		7.36
		<u>Sludge - (100-110)</u>	F-411	10.0		10.64

Hole No. U-408

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED
Company

ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1
Address

HIGH ROCK MINE

RANGE VII, LOT 5
Claim No.

LOCATION

DIP-COLLAR -30° STRIKE N 62° 30' E

ft. LENGTH 241.0'

ft. ELEVATION 494.1'

ft. LATITUDE 57° 58.94' N

ft. DEPARTURE 5890.22' E

Date Started Date Finished

Form 1 (10-50) I.P.C.L.

VAEBYCEB

DIAMOND DRILL LOG

PROPERTY QUEBEC MINING - HIGH ROCK MINE

HOLE No. U 408

PAGE No. 2

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
0.0	4.0	Casing.				
4.0	8.3	Granitized pyroxenite - spotty scapolite, very little apatite.				
		Sludge - (4- 10)	F-230	6.0		3.34
8.3	10.8	Black hornblende-biotite-gneiss.				
10.8	14.4	Quartz-biotite-gneiss and quartzite - specks of pyrite throughout.				
		Sludge - (10- 20)	F-232	10.0		2.21
14.4	17.5	Pyroxenite; rare apatite. At 16.0', there is a 2" white pegmatite stringer (scapolite)?, containing large crystals of titanite.				
17.5	21.2	Quartzite and quartz-biotite-gneiss.				
21.2	46.5	Pyroxenite; a few small sections of spotty scapolite. At 25', 27' & 45', the pyroxenite has a gneissoid structure over a core length of about 6", the banding is at 60° to core axis. At 38', there is a minor slip at about 20° to core axis.				
		Sludge - (20- 30)	F-223	10.0		5.09
		- (30- 40)	F-224	10.0		3.57
46.5	49.2	Gray pegmatite - scattered pyrite.				
		Sludge - (40- 50)	F-225	10.0		2.71
49.2	51.5	Pyroxenite; small amount of disseminated apatite.				

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. U-40E.

PAGE No. 3.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ²⁺	P ₂ O ₅
49.2	51.5	<u>50.0- 51.5</u> - Pyroxenite; some disseminated apatite.	F-184	1.5	4.30	2.08
51.5	55.5	Massive green, red and gray apatite.				
		<u>51.5- 54.0</u> - Massive apatite.	F-185	2.5	35.78	
		<u>54.0- 55.5</u> - Massive apatite.	F-186	1.5	35.50	
55.5	56.5	Pink, fine-grained granite - probably leopard granite.	F-187	1.0	2.18	
		Sludge - (50- 60) apatite	F-226	10.0	66.89	
56.5	62.7	Massive, green apatite with red spots and streak of gray apatite.				
		<u>56.5- 60.0</u> - Massive apatite.	F-188	3.5	31.00	
		<u>60.0- 62.7</u> - Massive apatite.	F-189	2.7	76.65	
62.7	70.0	Pyroxenite - small amount of disseminated apatite.				
		Sludge - (60 - 70)	F-227	10.0	57.69	
		<u>62.7- 66.0</u> - Pyroxenite; small amount of disseminated apatite.	F-190	3.3	11.03	
		<u>66.0- 70.0</u> - Pyroxenite as above.	F-191	4.0	12.43	
70.0	71.0	Gray pegmatite.	F-192	1.0	2.34	
71.0	76.0	Massive, dark apatite - mixture of red, brown, green and gray types.				
		Sludge - (70- 80)	F-228	10.0	22.30	
		<u>71.0- 75.0</u> - Massive apatite.	F-193	4.0	31.28	
		<u>75.0- 76.0</u> - Massive apatite.	F-194	1.0	47.71	
76.0	90.4	Pyroxenite; a few scattered small patches of green apatite.				

DIAMOND DRILL LOG

PROPERTY QUEBEC SWELTING - HIGH ROCK MINE

HOLE No. B-40E

PAGE No. 4

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca, P, S %	
		<u>Sludge - (80- 90)</u>	F-219	10.0	15.66	
76.3	90.4	<u>76.0- 78.0 - Pyroxenite; very little apatite.</u>	F-195	2.0	4.74	
90.4	126.0	Massive, dark, basic hornblende-gneiss.				
		<u>Sludge - (90-100)</u>	F-231	10.0	14.09	
		- (100-110)	F-232	10.0	10.31	
		- (110-120)	F-233	10.0	4.57	
126.0	129.4	Pyroxenite; no apatite.				
		<u>Sludge - (120-130)</u>	F-234	10.0	3.04	
129.4	132.5	Mixed gray pegmatite and pyroxenite.				
132.5	140.8	Dark, basic hornblende-gneiss cut by a few narrow gray pegmatite stringers.				
		<u>Sludge - (120-140)</u>	F-235	10.0	4.48	
140.8	143.0	Mixed gray pegmatite and pyroxenite.				
		<u>Sludge - (140-150)</u>	F-236	10.0	7.91	
143.0	147.5	Granitized pyroxenite - some disseminated apatite.				
		<u>144.0-147.5 - Pyroxenite; some disseminated apatite.</u>	F-196	3.5	13.78	
147.5	149.7	Mixed gray pegmatite and pyroxenite.	F-197	2.2	0.68	
149.7	159.7	Pyroxenite; small amount of disseminated apatite.				

DIAMOND DRILL LOG

HOLE No. D-407

PROPERTY CORBEC SMELTING - HIGH ROCK MINE

PAGE No. 5

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ P ₂ O ₈ %	
		<u>Sludge - (150-160)</u>	F-237	10.0		14.74
149.7	159.7	<u>149.7-153.0</u> - Pyroxenite; small amount of scattered apatite.	F-198	3.3		12.87
		<u>153.0-155.0</u> - Granitized pyroxenite rare apatite.	F-199	2.0		3.48
		<u>155.0-159.7</u> - Pyroxenite; small amount of disseminated apatite.	F-200	4.7		7.23
159.7	160.7	Massive green apatite.	F-201	1.0		76.96
160.7	164.0	Pyroxenite; some disseminated apatite.	F-202	3.3		5.74
164.0	165.0	Massive green apatite.	F-203	1.0		80.41
		<u>Sludge - (160-170)</u>	F-238	10.0		15.66
165.0	172.0	Pyroxenite; very little apatite.				
		<u>165.0-166.0</u> - Pyroxenite; some disseminated apatite.	F-204	1.0		32.35
172.0	173.5	Quartz-biotite-gneiss.				
173.5	175.0	Pyroxenite.				
175.0	176.5	Gray pegmatite.				
		<u>Sludge - (170-180)</u>	F-239	10.0		7.49
176.5	179.5	Quartz-biotite-gneiss.				
179.5	213.1	Pyroxenite with considerable spotty scapolite. Scattered green apatite in blebs and bands up to 15 inches in core length.				
		<u>Sludge - (180-190)</u>	F-240	10.0		9.52
		- (190-200)	F-241	10.0		11.75
		- (200-210)	F-242	10.0		13.83

DIAMOND DRILL LOG

HOLE No. V 402

PAGE No. 6

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					C	P
179.5	213.1	<u>185.0-189.0</u> - Pyroxenite; very little apatite.	F-243	4.0	10.25	3.28
		<u>189.0-190.0</u> - Massive green apatite about 30% - included pyroxenite.	F-244	1.0	56.53	
		<u>190.0-195.0</u> - Pyroxenite; very little apatite.	F-245	5.0	14.18	
		<u>195.0-198.5</u> - Pyroxenite; greatly increased apatite.	F-246	3.5	18.63	
		<u>198.0-200.0</u> - Pyroxenite & pegmatite - rare apatite.	F-247	1.5	3.36	
		<u>200.0-201.5</u> - Massive apatite; some pyroxenite.	F-248	1.5	49.65	
		<u>201.5-204.0</u> - Pyroxenite; some scattered apatite.	F-249	2.5	23.57	
		<u>204.0-209.0</u> - Pyroxenite; small amount of disseminated apatite.	F-250	5.0	6.40	
		<u>209.0-211.0</u> - Pyroxenite as above.	F-251	2.0	7.19	
		<u>211.0-213.1</u> - Pyroxenite - increased apatite.	F-252	2.2	14.22	
213.1	214.8	Gray pegmatite.				
214.8	218.4	Pyroxenite; very little apatite.				
		<u>Sludge</u> - (210-220)	F-275	10.0	8.41	
218.4	241.0	Mixed blue quartzite and quartz-biotite-gneiss. Banding is at 80° to core axis.				
		<u>Sludge</u> - (220-230)	F-276	10.0	7.78	
		- (230-240)	F-277	10.0	5.88	
241.0	-	END OF HOLE.				

22 Jan 51

Hole No. 0-413.....

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

..... QUEBEC SMELTING & REFINING LIMITED
Company

..... ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1
Address

..... HIGH ROCK MINE
.....

..... RANGE VII, LOT 5
Claim No.

LOCATION

DIP-COLLAR 60° STRIKE N 83° 57' E

..... ft. LENGTH 250.0'

..... ft. ELEVATION 498.2'

..... ft. LATITUDE 5216.31 N

..... ft. DEPARTURE 5922.14 E

Date Started Date Finished

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. B-418

PAGE No. 2

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ P ₂ O ₈ %	
0.0	3.0	Casing.				
3.0	27.5	Pyroxenite; fine, spotty scapolite patchy green apatite.				
		Sludge - (8- 10)	F-278	7.0		10.77
		- (10- 20)	F-279	10.0		10.31
		<u>8.5- 10.0</u> - Pyroxenite with dissemi- nated apatite.	F-253	1.5		30.58
		<u>20.0- 23.5</u> - Pyroxenite; small a- mount of patchy apatite.	F-254	3.5		18.20
		Sludge - (20- 30)	F-280	10.0		12.06
		<u>23.5- 25.0</u> - Granitized pyroxenite; rare apatite.	F-255	1.5		0.44
		<u>25.0- 26.5</u> - Pyroxenite; fair a- mount of evenly disseminated apa- tite.	F-256	1.5		12.55
27.5	28.5	Gray pegmatite.				
28.5	31.5	Dark, massive hornblende(?) - gneiss possibly a dark phase of pyroxenite Change is sharp but there are nar- row pegmatite stringers at both contacts.				
		Sludge - (30- 40)	F-281	10.0		7.47
31.5	45.2	Pyroxenite; some spotty scapolite Scattered apatite in small patches.				
		Sludge - (40- 50)	F-282	10.0		9.63
45.2	46.5	Biotite-schist and gneiss. Schistosity is at 90° to core axis.				

DIAMOND DRILL LOG

HOLE No. U-118

PROPERTY CORBEC SMELTING - HIGH ROCK MINE

PAGE No. 3

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca, P, %	
45.2	46.5	This is probably a fault.				
		<u>Sludge - (50- 60)</u>	F-283	10.0		5.40
46.5	54.5	Pyroxenite; some disseminated apatite.				
		<u>46.5- 48.5</u> - Pyroxenite; very little apatite.	F-257	2.0		4.65
		<u>48.5- 51.0</u> - Pyroxenite; increased apatite.	F-258	2.5		11.60
54.5	60.0	Gray pegmatite.				
60.0	64.5	Pyroxenite; some spotty apatite.				
		<u>61.0- 63.0</u> - Pyroxenite; about 15% disseminated apatite.	F-260	2.0		23.07
		<u>Sludge - (60- 70)</u>	F-284	10.0		6.55
64.5	66.0	Gray pegmatite.				
66.0	68.5	Granitised pyroxenite - rare apatite.				
68.5	70.5	Gray pegmatite.				
70.5	72.6	Pyroxenite; one 4" band of massive apatite.				
		<u>70.5- 71.5</u> - Pyroxenite with 4" massive apatite.	F-261	1.0		29.84
		<u>Sludge - (70- 80)</u>	F-285	10.0		4.78
72.6	74.0	Gray pegmatite.				
74.0	75.5	Pyroxenite.				
75.5	78.1	Mixed gray pegmatite and pyroxenite.				
		<u>Sludge - (80- 90)</u>	F-286	10.0		17.85

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. U-418

PAGE No. 4

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca, P, O ₃ %	
78.1	89.3	Pyroxenite, granitized in spots. A few small blebs of green apatite.				
		<u>78.1-82.5</u> - Pyroxenite; small amount of apatite.	F-433	4.4		7.67
		<u>82.5-85.0</u> - As above.	F-434	2.5		4.17
		<u>85.0-89.3</u> - Pyroxenite; small amount of apatite.	F-435	4.3		6.26
89.3	90.0	Light green massive apatite - probably contains fine, granitic particles.	F-262	0.7		78.44
90.0	91.7	Granite, probably leopard although the usual round markings are not distinguishable - some apatite in central portion.	F-263	1.7		13.17
		<u>Sludge - (90-100)</u>	F-287	10.0		13.50
91.7	93.2	Massive, light green apatite.	F-264	1.5		73.75
93.2	95.0	Pyroxenite; somewhat granitized - not much apatite.	F-265	1.8		1.99
		<u>Sludge - (100-110)</u>	F-317	10.0		15.60
95.0	111.5	Mainly gray pegmatite - a few short lengths of granitized pyroxenite.				
111.5	117.2	Pyroxenite; a few small blebs of apatite.				
		<u>111.4-111.5</u> - Pyroxenite; some scattered apatite.	F-266	2.1		15.01

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. H-41N

PAGE No. 5

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ P ₂ O ₈ %	
111.5	117.2	113.5-117.2 - Pyroxenite; rare apatite.	F-267	3.7	3.52	
		Sludge - (110-120)	F-318	10.0	17.63	
117.2	118.3	Massive green apatite; small amount of pyroxenite.	F-268	1.1	71.27	
118.3	121.3	Pyroxenite; some disseminated apatite.	F-269	3.0	11.93	
		Sludge - (120-130)	F-319	10.0	26.98	
121.3	123.6	Massive green apatite.	F-270	2.3	84.58	
123.6	124.1	Pyroxenite- some apatite.	F-271	0.5	9.00	
124.1	125.2	Gray pegmatite.	F-272	1.1	0.68	
125.2	132.5	Pyroxenite; fair amount of disseminated & patchy apatite.				
		<u>125.2-130.0</u> - Pyroxenite - probably 20% apatite.	F-273	4.8	20.12	
		<u>130.0-132.5</u> - Pyroxenite & pegmatite- small amount of apatite.	F-274	2.5	15.77	
132.5	137.2	Gray pegmatite.				
		Sludge - (130-140)	F-320	10.0	18.63	
137.2	138.8	Pyroxenite.				
		Sludge - (140-150)	F-321	10.0	3.87	
138.8	152.5	Gray pegmatite.				
152.5	156.0	Granitized pyroxenite; some scattered apatite.	F-288	3.5	7.34	
156.0	161.3	Massive, light green and gray apatite, brecciated and banded similar to apatite found near "45" fault in Hart stop.	F-289	5.3	84.06	

DIAMOND DRILL LOG

HOLE No. U-417

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

PAGE No. 6

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES			
					Ca	P	Si	A
		<u>Sludge - (150-160)</u>	F-322	10.0				
161.3	161.8	Pyroxenite; some apatite.	F-290	0.5			6.71	
161.8	167.4	Gray pegmatite; no apatite.	F-291	5.6			0.85	
167.4	168.7	Massive, light green apatite - about 30% pyroxenite.	F-292	1.3			58.00	
		<u>Sludge - (160-170)</u>	F-323	10.0			26.43	
168.7	173.0	Pyroxenite; small amount of disseminated apatite.						
		<u>168.7-170.0 - Pyroxenite; very little apatite.</u>	F-293	1.3			5.45	
173.0	174.0	Pegmatite.						
174.0	178.2	Pyroxenite with patches of pegmatite - rare apatite.						
178.2	179.2	Massive gray apatite.	F-299	1.0			61.36	
		<u>Sludge - (170-180)</u>	F-324	10.0			11.66	
179.2	190.5	Granitized pyroxenite; a few scattered blebs of gray & green apatite.						
		<u>186.1-188.6 - Pyroxenite; some patchy apatite.</u>	F-300	2.5			10.53	
		<u>Sludge - (180-190)</u>	F-325	10.0			10.00	
190.5	194.0	Gray pegmatite.						
194.0	198.1	Pyroxenite; some patchy apatite.	F-301	4.1			24.29	
		<u>Sludge - (190-200)</u>	F-340	10.0			23.13	
198.1	201.6	Massive gray & green apatite.	F-302	3.5			65.82	
201.6	204.0	Pyroxenite; very little apatite.	F-303	2.4			4.59	
		<u>Sludge - (200-210)</u>	F-341	10.0			32.22	

DIAMOND DRILL LOG

HOLE No. 11-418

PROPERTY CHIBROK SMELTING - HIGH ROCK MINE

PAGE No. 7

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ P ₂ O ₈ %	
204.0	212.5	Gray pegmatite.				
212.5	228.0	Altered & brecciated pyroxenite - there are numerous small gouge-filled slips & in a few places evidence of leaching. Some pyrite and a little scattered apatite.				
		<u>227.0-228.0</u> - Altered pyroxenite; gray small amount of sheared/apatite.	F-304	2.0		28.42
		<u>Sludge</u> - (210-220)	F-342	10.0		8.04
		- (220-230)	F-343	10.0		8.06
228.0	229.0	Pink pegmatite.				
229.0	230.3	Lost core.				
230.3	230.6	Pink pegmatite.				
230.6	232.0	Highly altered pyroxenite - high % of mud; a gouge-fault zone?				
232.0	244.0	Altered, sheared & brecciated pyroxenite - numerous small slips at varied angles to core. Small amount of green & gray apatite, in irregular blebs.				
		<u>233.0-235.0</u> - Altered pyroxenite; possibly some fine, gray apatite.	F-305	2.0		12.52
		<u>235.0-238.0</u> - Pyroxenite; some disseminated green apatite & possibly fine gray apatite.	F-306	3.0		15.01
		<u>Sludge</u> - (230-240)	F-344	10.0		10.99
		- (240-250)	F-345	10.0		8.69

Hole No. U-42R.....

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

..... QUEBEC SMELTING & REFINING LIMITED
Company

..... ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1
Address

..... HIGH ROCK MINE

..... RANGE VII, LOT 5
Claim No.

LOCATION

DIP-COLLAR -32.5° STRIKE N 81° 30' E

..... ft. LENGTH 232.5'

..... ft. ELEVATION 498.3'

..... ft. LATITUDE 5216.55 N

..... ft. DEPARTURE 5923.79 E

Date Started Date Finished

VΛEIBVCE2

DIAMOND DRILL LOG

HOLE No. D-42F

PROPERTY CORBAC SMELTING - HIGH BOYK MINE

PAGE No. 2

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca	P
0.0	2.5	Casing.				
2.5	22.5	Pyroxenite - no apatite. Around 10.0' the rock seems to have crystalline hornblende (?) & has a slight banded appearance. The change is very gradual.				
		<u>Sludge - (2.5-10)</u>	F-413	7.5		1.64
22.5	23.5	Heavy biotite in this section.				
		Possible fault but the rock has not the brecciated appearance usually seen in fault zones.				
		<u>Sludge - (10.- 20)</u>	F-414	10.0		2.34
23.5	24.5	Gray pegmatite.				
24.5	32.0	Gray pyroxenite - very little apatite.				
32.0	33.2	Gray pegmatite.				
33.2	42.0	Pyroxenite - small amount of disseminated apatite.				
		<u>35.0- 36.5 - Pyroxenite; very little apatite.</u>	F-326	1.5		11.51
		<u>Sludge - (30- 40)</u>	F-415	10.0		7.91
42.0	47.0	Quartz-biotite-gneiss. Both contacts are sharp and at 45° to core axis.				
47.0	48.0	Granitized, light green pyroxenite ?				

DIAMOND DRILL LOG

HOLE No. D-42E.

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

PAGE No. 3.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ P ₂ O ₈ %	Si %
45.0	49.4	Pink pegmatite with considerable biotite. This may be a fault section although shearing is not intense.				
		<u>Sludge - (40-50)</u>	F-416	10.0		5.53
49.4	57.0	Granitized pyroxenite, some scattered apatite including one 5" massive band at 50.0'.				
		<u>49.4-52.0 - Pyroxenite; some scattered green apatite including one 5" massive band.</u>	F-335	2.6		25.67
		<u>52.0-55.0 - Granitized pyroxenite. Rare apatite.</u>	F-336	3.0		2.25
		<u>Sludge-(50-60)</u>	F-417	10.0		42.36
		<u>55.0-57.0 - Pyroxenite; small amount of disseminated apatite.</u>	F-337	2.0		8.43
57.0	61.5	Massive green apatite.	F-338	4.5		84.56
		<u>Sludge - (60-70)</u>	F-418	10.0		2.40
61.5	77.5	Pyroxenite - partially granitized - very little apatite.				
		<u>61.5-63.0 - Pyroxenite; rare apatite.</u>	F-339	1.5		1.05
77.5	100.0	Basic hornblende-gneiss with a few narrow stringers of pink pegmatite.				
		<u>Sludge - (70-80)</u>	F-419	10.0		1.20
		<u>- (80-90)</u>	F-420	10.0		1.49

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. H-428

PAGE No. 4

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ P ₂ O ₈ %	
100.0	103.2	Pyroxenite - rare apatite.				
105.2	106.2	Gray pegmatite.				
		<u>Sludge - (90-100)</u>	F-421	10.0		0.90
106.2	108.5	Pyroxenite; small amount of green apatite.				
		<u>Sludge - (100-110)</u>	F-422	10.0		2.25
108.5	110.0	Pink pegmatite.				
110.0	112.9	Pyroxenite - no apatite.				
		<u>Sludge - (110-120)</u>	F-423	10.0		1.20
112.9	115.7	Pink pegmatite.				
115.7	128.3	Basic hornblende-biotite-gneiss.				
128.3	129.3	Gray pegmatite.				
129.3	136.5	Pyroxenite - small amount of scattered apatite.				
		<u>Sludge - (120-130)</u>	F-424	10.0		1.83
		<u>129.3-132.5</u> - Pyroxenite; small amount of apatite.	F-346	3.2		10.11
		<u>132.5-134.0</u> - Pyroxenite as above. Considerable coarse pyrite at 134.5.	F-347	2.5		3.34
		<u>134.0-136.5</u> - Pyroxenite - small amount of apatite.	F-348	1.5		2.93
136.5	138.2	Massive green apatite.	F-349	1.7		73.13
		<u>Sludge - (130-140)</u>	F-425	10.0		6.25
138.2	140.2	Pyroxenite - some apatite.	F-350	2.0		3.02
140.2	141.5	Massive green apatite.	F-351	1.3		61.98
141.5	142.0	Pyroxenite.				
142.0	145.2	Gray pegmatite.				

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. Q 158

PAGE No. 5

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ P ₂ O ₈ %	
149.2	161.5	Pyroxenite - very little apatite From 150-154, considerable spotty scapolite.				
		<u>150.0-155.0</u> - Pyroxenite with disseminated apatite.	F-357	5.0		7.12
		<u>155.0-158.0</u> - As for F-357.	F-358	3.0		6.27
		<u>158.0-161.5</u> - Pyroxenite with some disseminated apatite and one 3" massive band.	F-359	3.5		16.58
		<u>Sludge - (150-160)</u>	F-452	10.0		3.84
161.5	163.0	Pegmatite - no apatite.	F-360	1.5		0.68
162.0	166.4	Pyroxenite with finely disseminated apatite.	F-361	3.4		17.38
166.4	172.1	Quartzose pegmatite.				
		<u>Sludge - (160-170)</u>	F-453	10.0		5.85
172.1	184.0	Pyroxenite with some disseminated apatite & two narrow massive bands.				
		<u>172.0-173.4</u> - Pyroxenite with some disseminated apatite.	F-362	3.4		7.69
		<u>173.4-180.0</u> - Pyroxenite with one 4" band and one 2" band of massive apatite.	F-363	1.6		40.98
		<u>180.0-184.0</u> - Pyroxenite - some disseminated apatite.	F-364	4.0		6.90
		<u>Sludge - (170-180)</u>	F-454	10.0		9.07
184.0	185.9	About 65% massive green apatite.	F-365	1.9		53.34
		<u>Sludge - (180-190)</u>	F-455	10.0		21.30

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. U-425.
PAGE No. 6.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES		
185.9	189.0	Pyroxenite with about 15% disseminated apatite.	F-366	3.1			27.94
189.0	192.6	Gray pegmatite.	F-367	3.6			0.48
192.6	193.2	Pyroxenite - 1/2" pink calcite stringer.					
193.2	194.1	Massive green apatite.					
		192.6-194.1 - About 60% apatite & 40% pyroxenite.	F-368	1.5			46.12
		Sludge - (190-200)	F-456	10.0			12.28
194.1	195.0	Fine-grained phase of gray pegmatite.	F-369	0.9			8.47
195.0	209.0	Pyroxenite with some evenly disseminated apatite.					
		Sludge - (200-210)	F-457	10.0			4.06
		195.0-197.5 - Pyroxenite - evenly disseminated apatite.	F-370	2.5			6.29
209.0	213.5	Basic hornblende-gneiss.					
213.5	216.5	Pyroxenite - very small amount of apatite.					
		Sludge - (210-220)	F-458	10.0			3.58
216.5	223.5	Hornblende-gneiss.					
223.5	224.5	Pyroxenite - some apatite.					
224.5	229.0	Hornblende-gneiss.					
229.0	231.8	Pegmatite.					
231.8	232.5	Blue quartzite.					
232.5	-	END OF HOLE.					
				24 Jan 51 1.			

QUEBEC SMELTING & REFINING LIMITED

Hole No. U-437

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED

Company

ROOM 301 - 215, ST. JAMES ST. WEST, MONTREAL 1

Address

HIGH ROCK MINE

RANGE VII, LOT 6

Claim No.

LOCATION "HOT DRIFT"

DIP-COLLAR HORIZONTAL STRIKE N 24° 45' E

ft. LENGTH 170.0'

ft. ELEVATION 475.19'

ft. LATITUDE 5576.47 N

ft. DEPARTURE 5765.62 E

Date Started Date Finished

(R) 07 DEC 50.

Form 1 (10-50) I.P.C.L.

Flow

10

Depth
Core

Depth
Log

Depth
Analog

VAEUVGES

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING & REFINING LIMITED

HOLE No. D-437.

PAGE No. 3.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES		
					Ca	P ₂ O ₅	%
0.0	1.5	Casing.					
1.5	3.0	Pyroxenite; scattered apatite throughout.	F-637	1.5	44.23		
3.0	19.3	Gray pegmatite with pinkish tinge. The pegmatite is sheared in spots especially near contacts.					
19.3	32.0	Granitized pyroxenite - not much apatite.					
32.0	39.0	Pyroxenite; no apatite.					
39.0	48.5	Mixed gneisses - mainly basic hornblende-gneiss.					
48.5	49.2	Pyroxenite; some disseminated fine apatite.	F-638	0.7	2.32		
49.2	50.0	Massive green apatite.	F-389	0.8	61.45		
50.0	68.0	Pyroxenite; scattered apatite throughout in varying amounts.					
		<u>50.0- 53.0</u> - Some scattered apatite.	F-640	3.0	3.93		
		<u>53.0- 56.0</u> - As above.	F-641	3.0	5.79		
		<u>56.0- 59.0</u> - Similar to above.	F-642	3.0	10.18		
		<u>59.0- 62.0</u> - Small amount of scattered apatite.	F-643	3.0	5.55		
		<u>62.0- 65.0</u> - Increased apatite.	F-644	3.0	23.15		
		<u>65.0- 68.0</u> - Small amount of disseminated apatite.	F-645	3.0	5.71		
68.0	70.3	Massive green apatite.	F-646	2.3	69.63		

DIAMOND DRILL LOG

PROPERTY CURBEC SMELTING & REFINING - HIGH ROCK MINE

HOLE No. U-457.

PAGE No. 3.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES		
					Ca	P	Si
70.3	82.5	Pyroxenite with evenly disseminated apatite.					
		<u>70.3- 73.0</u> - Disseminated apatite.	F-647	2.7			15.97
		<u>73.0- 78.0</u> - Similar to above.	F-648	5.0			3.23
		<u>76.0- 79.0</u> - As above.	F-649	3.0			8.10
		<u>79.0- 82.5</u> - As above.	F-650	3.5			1.86
82.5	83.9	Massive green apatite.	F-712	1.4			64.82
83.9	99.0	Pyroxenite; some evenly disseminated apatite.					
		<u>83.9- 87.0</u> - Disseminated apatite.	F-713	3.1			2.77
		<u>87.0- 90.0</u> - Similar to above.	F-714	3.0			2.99
		<u>90.0- 93.0</u> - As above.	F-715	3.0			2.31
		<u>93.0- 96.0</u> - As above.	F-716	3.0			2.77
		<u>95.0- 99.0</u> - Similar to above.	F-717	3.0			5.78
99.0	101.0	Gray pegmatite.	F-718	2.0			1.85
101.0	108.0	Pyroxenite with some disseminated fine apatite.					
		<u>101.0-105.0</u> - Small amount of disseminated apatite.	F-719	4.0			2.31
		<u>105.0-108.0</u> - As above.	F-720	3.0			3.47
108.0	109.5	Massive green apatite.	F-721	1.5			71.78
109.5	125.6	Pyroxenite; small amounts of disseminated apatite.					
		<u>109.5-113.0</u> - Small amount of disseminated fine apatite.	F-722	3.5			2.53
		<u>113.0-115.0</u> - Very little apatite.	F-723	3.0			2.07
125.6	128.0	Gray pegmatite.					

DIAMOND DRILL LOG

PROPERTY QUANNO SMELTING - HIGH ROCK MINE

HOLE No. U-437

PAGE No. 4

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca	P
128.0	131.0	Granitized pyroxenite; no apatite.				
131.0	143.5	Pyroxenite; small amount of disseminated apatite.				
		<u>131.0-135.0</u> - Disseminated fine apatite.	F-724	4.0		1.66
		<u>135.0-138.0</u> - As above.	F-725	3.0		3.03
		<u>138.0-141.5</u> - As above.	F-726	3.5		4.39
143.5	148.1	Basic hornblende-gneiss.				
148.1	173.0	Pyroxenite; small amounts of scattered apatite.				
		<u>148.1-152.0</u> - Small amount of apatite.	F-727	3.9		2.31
		<u>152.0-157.0</u> - Rare apatite.	F-728	5.0		2.80
		<u>157.0-162.0</u> - As above.	F-729	5.0		2.51
		<u>162.0-165.0</u> - As above.	F-730	3.0		2.75
		<u>165.0-168.0</u> - Similar to above.	F-731	3.0		3.76
		<u>168.0-171.0</u> - Scattered apatite.	F-732	3.0		2.53
		<u>171.0-173.0</u> - Rare apatite.	F-733	2.0		1.66
173.0	174.0	Gray pegmatite.				
174.0	176.0	Pyroxenite; small amount of scattered green apatite.				
176.0	-	END OF HOLE.				

25 Jan 51 i.

Hole No. U-44B.....

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED

Company

ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1

Address

HIGH ROCK MINE

RANGE VII, LOT 5

Claim No.

LOCATION.....

DIP-COLLAR..... 34.5°..... STRIKE..... N 67° 30' E

..... ft..... LENGTH..... 828.71

..... ft..... ELEVATION..... 492.91

..... ft..... LATITUDE..... 5241.28 N

..... ft..... DEPARTURE..... 5909.29 E

Date Started..... Date Finished.....

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. U-444

PAGE No. 2

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca	P 2 8 %
0.0	4.0	Casing.				
4.0	5.3	Basic hornblende-gneiss.				
5.3	6.1	Pegmatite.				
		<u>Sludge - (0- 10)</u>				
6.1	17.4	Altered pyroxenite with small amount of finely disseminated, sugary apatite.	F-470	10.0		7.10
		<u>6.1- 10.0 - Pyroxenite with small amount of apatite.</u>	F-371	3.9		17.48
		<u>10.0- 12.5 - Pyroxenite; very little apatite.</u>	F-372	2.5		9.50
		<u>Sludge - (10- 20)</u>				
17.4	25.0	Partially granitized pyroxenite, brecciated and with numerous minor slips. Small amount of apatite.	F-471	10.0		5.57
		<u>22.0- 25.0 - Partially granitized pyroxenite; small amount of brown apatite.</u>	F-373	3.0		9.35
25.0	27.1	Quartzite.				
		<u>Sludge - (20- 30)</u>				
27.1	40.0	Altered & brecciated pyroxenite, granitized in part. A little brown apatite from 39.0'.	F-472	10.0		1.66
		<u>39.0- 40.0 - Brecciated pyroxenite small amount of brown apatite.</u>	F-374	1.0		42.12
		<u>Sludge - (30- 40)</u>				
40.0	42.0	Lost core.	F-473	2.0		11.40

DIAMOND DRILL LOG

HOLE No. U-442
PAGE No. 3

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ P ₂ O ₈ %	
42.0	42.3	Massive brown apatite.	F-375	0.3	85.21	
42.3	70.0	Highly granitised and brecciated pyroxenite (?). Numerous chips cutting core at all angles. <u>Fault zone.</u>				
		<u>42.3-42.5</u> - Brecciated pyroxenite with some apatite.	F-376	1.2	0.61	
		<u>Sludge</u> - (40-50)	F-474	10.0	20.49	
		- (50-60)	F-475	10.0	5.00	
		- (60-70)	F-476	10.0	1.94	
70.0	94.0	Hornblende-gneiss. At 90.0, there is a brecciated zone. (Fault 9)				
		<u>Sludge</u> - (70-80)	F-477	10.0	1.18	
		- (80-90)	F-478	10.0	1.57	
94.0	103.8	Pyroxenite with small amount of scattered apatite.				
		<u>95.0-97.0</u> - Pyroxenite; some apatite - considerable pyrite.	F-377	2.0	8.74	
		<u>Sludge</u> - (90-100)	F-479	10.0	11.78	
103.8	106.4	Hornblende-gneiss.				
106.4	107.3	Gray pegmatite.				
		<u>Sludge</u> - (100-110)	F-480	10.0	4.06	
107.3	125.0	Pyroxenite; scattered apatite.				
		<u>109.0-112.5</u> - Pyroxenite; some scattered apatite.	F-378	3.5	9.50	
		<u>112.5-115.0</u> - Same as above.	F-379	2.5	5.92	

DIAMOND DRILL LOG

PROPERTY SUBREC SMELTING - HIGH ROCK MINE

HOLE No. U-442

PAGE No. 4

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ P ₂ O ₈ %	SiO ₂ %
107.3	125.0	115.0-117.9 - Pyroxenite; very little apatite.	F-380	2.9	7.08	
		<u>Sludge - (110-120)</u>	F-481	10.0	5.26	
		- (120-130)	F-482	10.0	27.92	
125.0	129.0	Pyroxenite with increased apatite - fairly evenly distributed throughout.	F-381	4.0	7.82	
129.0	131.0	Massive apatite.	F-382	2.0	75.10	
131.0	154.2	Pyroxenite with three massive bands up to 6" in core length and some disseminated fine apatite.				
		<u>Sludge - (130-140)</u>	F-483	10.0	15.03	
		- (140-150)	F-484	10.0	12.54	
		<u>131.0-135.0</u> - Pyroxenite; one 4" massive band & some finer disseminated apatite.	F-383	4.0	10.05	
		<u>135.0-138.0</u> - Pyroxenite; one 6" massive band of apatite.	F-384	3.0	16.23	
		<u>138.0-142.0</u> - Pyroxenite; some apatite.	F-385	4.0	3.89	
		<u>142.0-145.1</u> - Pyroxenite; one 4" massive band of apatite.	F-386	3.1	15.47	
		<u>145.1-150.0</u> - Pyroxenite; very little apatite.	F-387	4.9	7.58	
		<u>150.0-154.2</u> - Pyroxenite; some scattered apatite.	F-388	4.2	8.04	
154.2	157.6	Massive gray, red & green apatite	F-389	3.4	77.42	

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. U-447

PAGE No. 5

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca, P, Mg %	
157.6	160.8	Pyroxenite; small amount of disseminated apatite.	F-390	3.2	10.20	
		<u>Sludge - (150-160)</u>	F-485	10.0	21.52	
160.8	169.0	Acid gneiss with granitic impregnations. Considerably leached throughout.				
		<u>Sludge - (160-170)</u>	F-486	10.0	7.32	
169.0	173.5	Lost core.				
173.5	175.0	Pyroxenite; some fine, sugary, apatite.	F-391	1.5	6.84	
175.0	176.0	Lost core.				
176.0	191.0	Pyroxenite; fair amount of fine, evenly disseminated gray apatite throughout.				
		<u>Sludge - (170-180)</u>	F-487	10.0	14.33	
		- (180-190)	F-488	10.0	8.17	
		<u>176.0-180.0</u> - Pyroxenite; some gray apatite.	F-392	4.0	10.62	
		<u>180.0-185.0</u> - As above.	F-393	5.0	3.98	
		<u>185.0-188.0</u> - Similar to above.	F-394	3.0	10.33	
		<u>188.0-191.0</u> - Pyroxenite. Some disseminated gray apatite.	F-395	3.0	3.60	
191.0	193.5	Massive, gray & green apatite.	F-396	2.5	71.76	
		<u>Sludge - (190-200)</u>	F-489	10.0	26.34	
193.5	201.0	Pyroxenite; disseminated gray apatite throughout.				

Hole No... J-45E,.....

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED

Company

ROOM 301 - 715 ST. JAMES ST. WEST, MONTREAL 1

Address

BIGE ROCK MINE

RANGE 711, LOT 5

Claim No.

LOCATION

DIP-COLLAR -50.25° STRIKE N 59° 30' E

ft. LENGTH 280.3'

ft. ELEVATION 490.8'

ft. LATITUDE 5256.36 N

ft. DEPARTURE 5884.78 E

Date Started Date Finished

Form 1 (10-50) I.P.C.I.

Flow

1°

Flow
Core

Flow
Core

Flow
Core

QUEBEC

AVERAGES

From	To	Core Length	True Width	Vertical Depth	% Ca ₃ P ₂ O ₈			
20.0	21.0	1.0'		475.5'	36.64			
50.9	56.5	5.6'		451.4'	42.2			
78.5	79.5	1.0'		430.3'	21.57			
115.0	127.6	12.6'		409.7'	51.6			
134.5	136.1	1.6'		386.4'	29.73			
160.0	162.0	2.0'		367.0'	27.46			
167.1	177.0	9.9'		361.5'	38.9			
190.0	196.7	6.7'		342.0'	53.7			
262.5	264.0	1.5'		289.5'	20.88			

DIAMOND DRILL LOG

SHEET 1 OF 10

100

100

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. U-457

PAGE No. 2

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Cu	Pb
0.0	2.0	Casing.				
2.0	10.0	Granitized pyroxenite; not much apatite.				
10.0	11.0	<u>Sludge - (2-10)</u> Biotite-schist, probably a fault zone. Schistosity is at 90° to core axis.	F-492	8.0	1.15	
11.0	50.9	Slightly granitized pyroxenite some disseminated apatite. A few narrow stringers of gray pegmatite.				
		<u>Sludge - (10-20)</u>	F-493	10.0	5.83	
		<u>11.0- 13.5 - Small amount of green apatite.</u>	F-400	2.5	9.52	
		<u>Sludge - (20- 30)</u>	F-494	10.0	30.80	
		<u>13.5- 15.0 - Similar to above.</u>	F-496	1.5	nil	
		<u>15.0- 20.0 - As above.</u>	F-437	5.0	nil	
		<u>20.0- 21.0 - Pyroxenite with about 35% apatite.</u>	F-438	1.0	36.64	
		<u>21.0- 24.0 - Rare apatite.</u>	F-439	3.0	nil	
		<u>24.0- 27.0 - Small amount of disseminated apatite.</u>	F-440	3.0	nil	
		<u>Sludge - (30- 40)</u>	F-495	10.0	5.74	
		<u>- (40- 50)</u>	F-496	10.0	11.73	
		<u>40.5- 45.0 - Pyroxenite; some apatite; in narrow massive bands.</u>	F-441	4.5	4.54	
		<u>45.0- 48.5 - Fair amount of patchy apatite.</u>	F-442	3.5	6.13	

DIAMOND DRILL LOG

HOLE No. D-1

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

PAGE No. 1

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca, P, O ₂ %	
11.0	50.9	48.5- 50.9 - Mixed pyroxenite and pegmatite - not much apatite.	F-443	2.4	1.35	
50.9	52.5	Massive green apatite.	F-444	1.6	69.05	
52.5	55.0	Pyroxenite; some disseminated apatite.	F-445	2.5	n11	
		<u>Sludge - (50- 60)</u>	F-497	10.0	29.99	
55.0	56.5	Massive green apatite.	F-446	1.5	84.04	
56.5	58.0	Pyroxenite; not much apatite.	F-447	1.5	1.35	
58.0	68.0	Mixed gneisses, chiefly acidic types.				
		<u>Sludge - (60- 70)</u>	F-498	10.0	5.07	
68.0	74.5	Pyroxenite; some scattered apa- tite.				
		<u>70.0- 72.0</u> - Some disseminated apatite.	F-448	2.0	1.35	
		<u>Sludge - (70- 80)</u>	F-499	10.0	8.87	
74.5	75.0	Quartz-biotite-gneiss.				
76.0	86.5	Granitized pyroxenite; small a- mount of apatite including one 5" massive band.				
		<u>78.5- 79.5</u> - Pyroxenite with one 5" band of massive apatite.	F-449	1.0	21.57	
		<u>Sludge - (80- 90)</u>	F-500	10.0	7.75	
86.5	94.0	Mixed gneisses - mainly quartz- biotite-gneiss.				
94.0	97.5	Granitized pyroxenite - rare apatite.				

DIAMOND DRILL LOG

PROPERTY Quebec Smelting - HIGH ROCK MINE

HOLE No. J-455.

PAGE No. 44

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca	P 2 O 5 %
97.5	106.0	Gray pegmatite.				
		<u>Sludge - (90-100)</u>	F-501	10.0		5.07
106.0	108.2	Granitized pyroxenite; some spotty apatite.	F-450	2.2		1.16
		<u>Sludge - (100-110)</u>	F-502	10.0		2.84
108.2	110.0	Gray pegmatite; no apatite.	F-520	1.8		nil
110.0	115.0	Pyroxenite; fair amount of scattered apatite.				
		<u>110.0-114.0 - Granitized pyroxenite with scattered apatite.</u>	F-521	4.0		1.35
		<u>114.0-115.0 - Increased apatite.</u>	F-522	1.0		3.40
		<u>Sludge - (110-120)</u>	F-523	10.0		7.23
115.0	123.4	Massive apatite - mixed green & gray types. From 118.3 to 120.5, there is about 20% massive pyrrhotite & pyrite.				
		<u>115.0-119.0 - Massive apatite.</u>	F-523	4.0		69.27
		<u>119.0-123.4 - Massive apatite.</u>	F-524	4.4		71.54
123.4	126.6	Pyroxenite; not much apatite.	F-525	3.2		1.59
		<u>Sludge - (120-130)</u>	F-504	10.0		21.93
126.6	127.6	Massive green apatite.	F-526	1.0		57.91
		<u>Sludge - (130-140)</u>	F-505	10.0		21.12
127.6	167.6	Pyroxenite - a few sections with scattered apatite.				
		<u>134.5-136.1 - Pyroxenite; one 4" and one 1" band of massive apatite.</u>	F-527	1.6		29.73

DIAMOND DRILL LOG

PROPERTY CUMBOC MINING - HIGH ROCK MINE

HOLE No. D-45K.

PAGE No. 5.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca, P, O ₂ %	
167.6	167.6	136.1-140.0 - Small amount of disseminated apatite.	F-528	3.9	15.35	
		Sludge - (140-150)	F-506	10.0	9.09	
		140.0-145.0 - As above.	F-529	5.0	10.03	
		Sludge - (150-160)	F-507	10.0	11.71	
		145.0-150.0 - Rare apatite.	F-530	5.0	3.93	
		150.0-155.0 - As above.	F-531	5.0	5.88	
		155.0-160.0 - Pyroxenite; very little apatite.	F-532	5.0	4.65	
		Sludge - (160-170)	F-508	10.0	15.97	
		140.0-162.0 - One 4" band of massive apatite.	F-533	2.0	27.46	
		162.0-165.0 - Very little apatite.	F-534	3.0	5.83	
		165.0-167.5 - Slightly increased apatite.	F-535	2.6	9.61	
167.6	169.1	Massive green apatite.	F-536	1.5	80.80	
169.1	170.3	Pyroxenite - a little apatite.	F-537	1.2	18.81	
170.3	171.0	Massive green apatite.	F-538	1.2	81.87	
		Sludge - (170-180)	F-509	10.0	22.74	
		- (180-190)	F-510	10.0	16.82	
171.5	190.0	Pyroxenite; a few small, massive bands and some disseminated apatite. At 178.5, there is a 3" pink calcite stringer with elongated apatite crystals throughout.				
		171.5-175.0 - Pyroxenite; fair amount of patchy apatite.	F-539	3.5	18.82	

DIAMOND DRILL LOG

PROPERTY CHRYCO SMELTING - HIGH ROCK MINE

HOLE No. B-458

PAGE No. 6

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES		
					Ca	P	g
171.5	190.0	<u>175.0-177.0</u> - As above.	F-540	2.0	29.00		
		<u>177.0-180.0</u> - Small amount of scattered apatite.	F-541	3.0	7.32		
		<u>180.0-183.0</u> - Pyroxenite with disseminated apatite.	F-542	3.0	7.41		
		<u>183.0-185.0</u> - Increased apatite.	F-543	2.0	15.31		
		<u>185.0-190.0</u> - Very little apatite.	F-544	5.0	4.06		
190.0	194.0	Massive green apatite.	F-545	4.0	82.59		
194.0	196.7	Pyroxenite; small amount of apatite.	F-546	2.7	10.83		
		<u>Sludge - (190-200)</u>	F-511	10.0	30.52		
196.7	212.5	Mixed gneisses, chiefly quartz-biotite-gneiss, some blue quartzite.					
		<u>Sludge - (200-210)</u>	F-512	10.0	9.39		
		<u>Sludge - (210-220)</u>	F-513	10.0	8.28		
212.5	280.3	Pyroxenite cut by a few gray pegmatite stringers up to 9" in core length. There is some patchy green apatite in sections under 2" in core length.					
		<u>Sludge - (220-230)</u>	F-514	10.0	6.53		
		<u>228.0-232.0</u> - Some scattered apatite.	F-547	4.0	9.02		
		<u>Sludge - (230-240)</u>	F-515	10.0	8.98		
		<u>232.0-235.0</u> - Increased apatite.	F-548	3.0	10.87		
		<u>235.0-237.5</u> - Similar to F-548.	F-549	2.5	9.61		
		<u>237.5-240.0</u> - Pyroxenite; rare apatite.	F-550	2.5	1.57		

QUEBEC SMELTING & REFINING LIMITED

Hole No. U-462.....

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED
Company

ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1
Address

HIGH ROCK MINE

RANGE VII, LOT 5
Claim No.

LOCATION

DIP-COLLAR -60.5° STRIKE $N. 60^{\circ} 00' E$

ft. LENGTH 273.3'

ft. ELEVATION 495.0'

ft. LATITUDE 5275.99 N

ft. DEPARTURE 5772.48 E

Date Started Date Finished

VAERVCEZ

AVERAGES

From	To	Core Length	True Width	Vertical Depth	$\frac{\%}{0.03 \times 200}$				
2.5	8.6	6.1'		492.9'	47.7				
20.0	23.1	3.1'		477.3'	27.78				
41.0	42.5	1.5'		459.1'	23.15				
62.8	63.9	1.1'		440.5'	25.47				
97.7	113.6	15.9'		409.5'	27.5				
127.6	132.6	4.0'		383.4'	79.41				
176.5	191.5	15.0'		341.7'	26.7				

DIAMOND DRILL TOOL

Job No.

Date

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. D-46E.

PAGE No. 2.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Cu ₃ P ₂ O ₈ %	
0.0	2.5	Casing.				
2.5	5.9	Pyroxenite; not much apatite.	F-594	3.4	23.15	
5.9	8.6	Massive green apatite.	F-595	2.7	78.72	
8.6	23.1	Granitized pyroxenite, some scattered apatite & a few small massive apatite bands.				
		<u>8.6- 12.5</u> - Pyroxenite; very little apatite.	F-596	3.9	1.62	
		<u>12.5- 17.0</u> - As above.	F-597	4.5	1.38	
		<u>17.0- 20.0</u> - Pyroxenite; very little apatite except one 3" massive band.	F-598	3.0	1.62	
		<u>20.0- 23.1</u> - Pyroxenite with increased apatite including one 3" massive band.	F-599	3.1	27.78	
23.1	28.5	Intermediate-gneiss.				
28.5	33.5	Pyroxenite; very little apatite.				
33.5	40.8	Quartzite (?)				
40.8	45.0	Pyroxenite; small amount of apatite.				
		<u>41.0- 42.5</u> - Pyroxenite with one 6" massive band of green apatite.	F-600	1.5	23.15	
45.0	52.5	Quartzite (?)				
52.5	54.9	Pyroxenite; small amount of apatite.				
54.9	57.1	Gray pegmatite.				
57.1	59.5	Pyroxenite.				

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. II-462.

PAGE No. 3.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca, P, O ₃ %	
59.5	60.9	Biotite-gneiss or schist - possible fault (?)				
60.9	61.7	Pyroxenite.				
61.7	62.8	Gray pegmatite.				
62.8	63.9	Massive apatite - about 30% pyroxenite.	F-601	1.1	25.47	
63.9	72.0	Pyroxenite; not much apatite.				
		<u>63.9- 65.9</u> - Pyroxenite; some disseminated and one 4" massive band of apatite.	F-602	2.0	10.40	
		<u>65.9- 68.0</u> - Pyroxenite; rare apatite.	F-603	2.1	2.32	
72.0	81.0	Pyroxenite; brecciated and sheared to a limited extent. Partially granitized - very little apatite. This is possibly a fault area.				
81.0	97.7	Pyroxenite; considerable scapolite throughout. Apatite occurs as scattered narrow, massive bands.				
		<u>83.5- 86.5</u> - Pyroxenite; some scattered apatite.	F-604	3.0	2.32	
		<u>86.5- 88.5</u> - Pyroxenite; one 4" band of massive apatite.	F-605	2.0	12.73	
		<u>88.5- 91.5</u> - Pyroxenite; rare apatite.	F-606	3.0	nil	
		<u>91.5- 97.7</u> - Granitized pyroxenite - rare apatite.	F-607	6.2	nil	

DIAMOND DRILL LOG

PROPERTY CUBBER SWELTING - HIGH ROCK MINE

HOLE No. 1-46E

PAGE No. 4

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES			
					Ca	P	Si	Fe
97.7	98.8	Massive green apatite.	F-608	1.1				
98.8	101.5	Pyroxenite; some scattered apatite.	F-609	2.7				
101.5	102.6	Massive green apatite.	F-610	1.1				
102.6	107.0	Pyroxenite; scattered apatite.						
		<u>102.6-105.0</u> - Pyroxenite; small amount of scattered apatite.	F-611	2.4				9.50
		<u>105.0-107.0</u> - Pyroxenite; increased apatite.	F-612	2.0				8.34
107.0	108.2	Massive green apatite.	F-613	1.2				71.77
108.2	112.0	Pyroxenite; small amount of scattered apatite.	F-614	3.8				3.01
112.0	113.6	Massive green apatite.	F-615	1.6				80.10
113.6	118.5	Granitized quartz-biotite-gneiss.						
118.5	127.0	Gray pegmatite.						
127.0	127.6	Pyroxenite.						
127.6	131.6	Massive apatite - green, gray & pink varieties.	F-616	4.0				79.41
131.6	132.5	Pyroxenite; with some disseminated apatite.	F-617	0.9				1.40
132.5	135.2	Gray pegmatite.						
135.2	168.5	Pyroxenite; very little disseminated apatite.						
		<u>147.5-150.0</u> - Pyroxenite; some disseminated apatite.	F-618	2.5				3.48
		<u>150.0-153.0</u> - Pyroxenite; rare apatite.	F-619	3.0				nil

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. 11-467
PAGE No. 5

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ P ₂ O ₈ %	
135.2	168.5	<u>143.0-145.0</u> - Pyroxenite; small amount of scattered apatite.	F-620	2.0	3.01	
168.5	170.7	Quartz-biotite-gneiss.				
170.7	172.4	Gray pegmatite.				
172.4	176.5	Pyroxenite; small amount of disseminated apatite.	F-621	4.1	2.32	
176.5	178.0	Massive green apatite.	F-622	1.5	60.19	
178.0	183.2	Pyroxenite; some disseminated apatite and a few narrow, massive apatite bands.				
		<u>178.0-181.5</u> - Pyroxenite; fair amount of apatite in narrow, massive bands - possibly 30%.	F-623	3.5	11.57	
		<u>181.5-183.2</u> - Pyroxenite with one 2" massive apatite band.	F-624	1.7	11.58	
183.2	184.5	Fine-grained mass of pink pegmatite.	F-625	1.3	2.07	
184.5	185.0	Lost core.				
185.0	187.5	Massive green and grey apatite.	F-626	2.5	68.29	
187.5	190.0	Pyroxenite; some disseminated apatite.	F-627	2.5	2.32	
190.0	191.5	Massive apatite - 60% apatite with pyroxenite.	F-628	1.5	47.46	
191.5	210.5	Pyroxenite; some scattered apatite.				
		<u>191.5-193.5</u> - Pyroxenite; some disseminated apatite.	F-629	2.0	0.92	
		<u>202.5-204.0</u> - Pyroxenite as above.	F-630	1.5	11.57	

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. U-46B
PAGE No. 6

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES			
					Ca	P	Si	Fe
191.5	210.5	204.0-205.0 - Mainly gray pegmatite rare apatite.	F-631	1.0		3.28		
		205.0-206.5 - Pyroxenite; small amount of scattered apatite.	F-632	1.5		3.23		
210.5	212.3	Quartz-pegmatite.						
212.3	223.0	Pyroxenite; a few narrow bands of gray pegmatite - small amount of scattered apatite.						
		221.5-223.0 - Pyroxenite; small amount of apatite.	F-633	1.5		2.32		
223.0	225.0	Lost core.						
225.0	238.4	Pyroxenite; some scattered apatite.						
		225.0-227.0 - Pyroxenite; fair amount of scattered apatite.	F-634	2.0		10.66		
238.4	244.0	Gray pegmatite.						
244.0	245.0	Lost core.						
245.0	247.0	Gray pegmatite.						
247.0	271.3	Granitized pyroxenite; a few spots of green apatite.						
		262.0-263.0 - Pyroxenite; some scattered apatite.	F-635	1.0		19.44		
		268.5-270.5 - Pyroxenite; evenly disseminated apatite.	F-636	2.0		14.81		
271.3	273.0	Acid gneiss.						
273.0	273.3	Pyroxenite.						
273.3	-	END OF HOLE.	29 Jan 51	1.				

QUEBEC SMELTING & REFINING LIMITED
 ROOM 301 - 215 ST. JAMES STREET WEST, MONTREAL

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

DATE STARTED

PROPERTY HIGH ROCK MINE DATE FINISHEDLOCATION HOT DRIFT LENGTH 85.0' HOLE NO. U-47X.DIP COLLAR Horizontal STRIKE N 40° 30' E PAGE NO. 1.ft. RANGE VII, LOT 6. ELEVATION 476.6ft. LAT. 5682.89 N DEP. 5713.28 E

FROM	TO	DESCRIPTION	SAMPLE NO.	LENGTH FEET	ANALYSIS	
					Ca ₂ (SO ₄) ₂	
0.0	1.5	Casing.				
1.5	10.5	Pyroxenite - very little apatite.				
10.5	11.5	Gray pegmatite.				
11.5	23.4	Basic hornblende biotite gneiss.				
23.4	27.0	Pyroxenite - some scattered apatite.				
		<u>24.0- 27.0</u> - Pyroxenite with scattered apatite.	F-322	3.0	3.06	
27.0	28.0	Massive green apatite - some pyroxenite (25%).	F-323	1.0	54.60	
28.0	36.5	Pyroxenite with scattered apatite.				
		<u>33.0- 33.0</u> - Pyroxenite; scattered apatite.	F-324	4.0	3.74	
		<u>32.0- 33.5</u> - as for F-324.	F-325	4.5	2.19	
36.5	37.5	Massive green apatite - small amount of pyroxenite.	F-326	1.0	42.30	
37.5	74.5	Pyroxenite - disseminated apatite.				
		<u>37.5- 42.5</u> - Pyroxenite; some scattered apatite.	F-327	5.0	2.12	
		<u>42.5- 43.5</u> - Similar to above.	F-328	4.0	4.59	

DIAMOND DRILL LOG

PROPERTY CS&N - HIGH ROCK MINE HOLE NO. U-47X PAGE NO. 2.

FROM	TO	DESCRIPTION	SAMPLE NO.	LENGTH FEET	ANALYSIS	
					Ca ₃ (PO ₄) ₂	%
57.5	74.5	46.5- 50.0 - Pyroxenite; scattered apatite.	F-829	3.5	12.01	43
		50.0- 55.0 - As above.	F-830	5.0	2.13	
		55.0- 60.0 - As above.	F-831	5.0	3.40	
		60.0- 65.0 - Increased apatite.	F-832	5.0	19.22	
		65.0-67.5 - Similar to F-832.	F-833	2.5	11.53	
74.5	85.0	quartz biotite gneiss.				
85.0	-	END OF HOLE.				
		<u>Average:</u>				
					Ca ₃ (PO ₄) ₂ %	
		24.0- 28.0			15.94	
					4.0'	
						8.51
		29.0- 67.5			7.78	43.5'
					39.5'	
		§ - Average of 4 determinations on pulp & rejects.				
		§§ - " " 3 " " " " " "				
					
		27.0- 28.0			54.60	476.6' (Vertical Depth)
					1.0'	
		36.5- 37.5			42.38	"
					1.0'	
		60.0- 65.0			19.22	"
					5.0'	

Hole No. U-488.....

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

..... QUEBEC SMELTING & REFINING LIMITED

Company

..... ROOSE 301 - 215 ST. JAMES ST. WEST, MONTREAL 1

Address

..... HIGH ROCK MINE

..... RANGE VII, LOT 5

Claim No.

LOCATION..... SOUTH WEST STOPE

DIP-COLLAR..... - 61° STRIKE..... N 60° 30' E

..... ft. LENGTH..... 229.0'

..... ft. ELEVATION..... 465.0'

..... ft. LATITUDE..... 5978.18 N

..... ft. DEPARTURE..... 5719.18 E

Date Started (R) 07 DEC 50

Date Finished

Form 1 (10-50) I.P.C.L.

VAEKYCE2

DIAMOND DRILL LOG

HOLE No. U-487

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

PAGE No. 1

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ P ₂ O ₈ %	
0.0	2.0	Casing.				
2.0	15.0	Granitized pyroxenite; not much apatite.				
15.0	18.0	Gray pegmatite.				
18.0	23.0	Pyroxenite; small amount of disseminated apatite.				
23.0	25.0	Granitized quartz-biotite-gneiss.				
25.0	25.7	Biotite-schist - possible fault.				
25.7	61.2	Mixed acid gneisses and pegmatite.				
61.2	67.0	Gray pegmatite.				
67.0	71.0	Quartzite.				
71.0	74.5	Gray pegmatite.				
74.5	95.0	Acid gneisses, mainly quartzite. Cut by a few pegmatite stringers.				
95.0	109.0	Highly granitized pyroxenite with many pegmatite stringers. Some green apatite in the pyroxenite.				
109.0	121.7	Quartz-biotite-gneiss with pegmatite stringers.				
121.7	125.0	Blue-quartzite.				
125.0	130.3	Granitized pyroxenite.				
130.3	174.5	Mainly quartzite.				
174.5	178.5	Pyroxenite; small amount of disseminated apatite.	F-761	4.0		2.32
178.5	229.0	Mixed acid gneisses & pegmatite.				
229.0	-	END OF HOLE.				

29 Jan 51 i.

Hole No. U-49X.....

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

..... QUEBEC SMELTING & REFINING LIMITED

Company

..... ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1

Address

..... HIGH ROCK MINE

..... RANGE VII, LOT 6

Claim No.

LOCATION.....

DIP-COLLAR HORIZONTAL..... STRIKE..... N 43° 20' E.....

..... ft..... LENGTH..... 81.0'.....

..... ft..... LATITUDE..... 5743.73 N.....

..... ft..... DEPARTURE..... 5659.91 E.....

..... ft..... ELEVATION..... 489.2'.....

Date Started (P) 06 DEC 50..... Date Finished.....

Form 1 (10-50) I.P.C.L.

Hour

10

Temp
Cels

Wind
Dir

Depth
Meters

VAENYCES

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. II-49X

PAGE No. 2

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ P ₂ O ₈ %	%
0.0	1.5	Casing.				
1.5	6.4	Quartzite.				
6.4	17.5	Basic hornblende-biotite-gneiss.				
17.5	21.0	Pyroxenite - rare apatite.				
21.0	21.7	Gray pegmatite.				
21.7	26.8	Pyroxenite; some apatite including one 7" massive band at 22.0'.				
		<u>21.8- 22.8</u> - Pyroxenite; one 7" massive band.	F-834	1.0		78.39
26.8	30.0	Gray pegmatite.				
30.0	68.9	Pyroxenite; disseminated apatite and a few massive bands up to 6" in core length.				
		<u>39.5- 44.0</u> - Pyroxenite; apatite in narrow massive bands.	F-835	4.5		5.59
		<u>44.0- 48.7</u> - Similar to above.	F-836	4.7		19.11
		<u>65.5- 68.9</u> - Pyroxenite; small amount of apatite.	F-837	3.3		2.18
68.9	70.3	Massive green apatite.	F-838	1.4		72.72
70.3	74.0	Pyroxenite; some scattered apatite.	F-839	3.7		2.40
74.0	76.6	Quartzite.				
76.6	79.3	Pyroxenite; some evenly disseminated dark apatite ?	F-840	2.7		2.18
79.3	85.0	Quartzite - some granitisation ?				
85.0	-	END OF HOLE.				

QUEBEC SMELTING & REFINING LIMITED
ROOM 301 - 215 ST. JAMES STREET WEST, MONTREAL

QUEBEC SMELTING & REFINING LIMITED DIAMOND DRILL LOG

DATE STARTED

PROPERTY HIGH ROCK MINE. DATE FINISHEDLOCATION LENGTH 136.4' HOLE NO. U-503.DIP COLLAR Horizontal. STRIKE S 46° 20' W PAGE NO. 1.ft. RANGE VII, LOT 6 ELEVATION 480.2'ft. LAT. 5733.02 N DEP. 5649.66 W

FROM	TO	DESCRIPTION	SAMPLE NO.	LENGTH FEET	ANALYSIS	
					Ca ²⁺	(check)
0.0	1.3	Casing.				
1.3	2.0	Pyroxenite.				
2.0	11.0	Hornblende biotite gneiss.				
11.0	14.8	Acid gneiss (?).				
14.8	20.0	Hornblende biotite gneiss.				
20.0	44.0	Pyroxenite.				
		<u>20.0-24.0 - Pyroxenite; small</u>	<u>F-983</u>	<u>4.0</u>	<u>tr</u>	<u>tr</u>
		amount of apatite.				
		<u>24.0-28.5 - Similar to above.</u>	<u>F-984</u>	<u>4.5</u>	<u>4.15</u>	
		<u>28.5-35.0 - Pyroxenite; not much</u>	<u>F-985</u>	<u>6.5</u>	<u>tr</u>	
		apatite.				
		<u>35.0-36.5 - Pyroxenite; some</u>	<u>F-986</u>	<u>1.5</u>	<u>5.30</u>	
		scattered apatite.				
44.0	66.2	Acid gneiss.				
66.2	85.0	Pyroxenite; erratic dissemination				
		of fine apatite.				
		<u>66.2-72.0 - Some disseminated epa-</u>	<u>F-987</u>	<u>5.8</u>	<u>2.10</u>	
		<u>72.0-77.0 - Similar to above.</u>	<u>F-988</u>	<u>5.0</u>	<u>tr</u>	
		<u>77.0-82.0 - As above.</u>	<u>F-989</u>	<u>5.0</u>	<u>tr</u>	
		<u>82.0-87.0 - Increased apatite.</u>	<u>F-990</u>	<u>5.0</u>	<u>1.65</u>	<u>1.75</u>
		<u>87.0-89.0 - As above.</u>	<u>F-991</u>	<u>2.0</u>	<u>6.55</u>	

DIAMOND DRILL LOG

PROPERTY SEAR - HIGH ROCK MINE. HOLE NO. U-50X PAGE NO. 2.

FROM	TO	DESCRIPTION	SAMPLE NO.	LENGTH FEET	ANALYSIS	
					Ca ₃ P ₂ O ₅	(Check)
95.0	97.0	Pegmatite or acid gneiss (T).				
97.0	98.7	Pyroxenite - some finely scattered apatite.				
98.7	101.0	Lost core.				
101.0	113.1	Pyroxenite - disseminated apatite throughout and a few small patches of massive green apatite.				
		<u>101.0-105.0</u> - Some scattered apatite	P-992	4.0	4.58	
		<u>105.0-109.0</u> - Increased apatite.	P-993	4.0	20.74	
		<u>109.0-112.0</u> - Similar to above.	P-994	3.0	13.10	
		<u>112.0-113.1</u> - Not much apatite.	P-995	1.	1.75	
113.1	122.5	Acid gneiss.				
122.5	126.5	Pyroxenite - fine disseminated apatite.	P-996	4.0	1.75	
126.5	132.5	Acid gneiss.				
132.5	134.2	Pyroxenite - small amount of fine apatite.				
134.2	136.4	Gray pegmatite.				
136.4	-	END OF HOLE.				
		<u>Average:</u>				
					Ca ₃ P ₂ O ₅ %	
		105.0-109.0			<u>20.74</u>	
					<u>4.0</u>	

QUEBEC SMELTING & REFINING LIMITED
 301 - 215 ST. JAMES STREET WEST, MONTREAL

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED

DATE STARTED

PROPERTY PIED BOUC MINE DATE FINISHED

LOCATION LENGTH 33.0' HOLE NO. 8-511

DIP COLLAR Horizontal STRIKE S 80° 00' W PAGE NO. 1

ft. RANGE VII, LOT 5 ELEVATION 407.91

ft. LAT. 50° 5.72' N DEP. 67° 48.80' W

FROM	TO	DESCRIPTION	SAMPLE NO.	LENGTH FEET	ANALYSIS		
					Ca %	P %	Si %
0.0	1.0	casing.					
1.0	2.6	Massive green apatite.	7-997	1.6	78.82		
2.6	12.1	Pyroxenite - scattered apatite.					
	2.6- 7.5	- Some scattered apatite.	7-998	4.9	1.97		
	7.0- 12.1	- Similar to above.	7-999	4.6	tr		
12.1	16.5	Gray pegmatite with gradational change to "leopard Granite" for first 5' at 12.1 contact.					
16.5	17.7	Pyroxenite.					
17.7	26.8	Gray pegmatite with small sections of leopard granite.					
26.8	28.3	Pyroxenite - scattered apatite.	7-1000	1.5	tr		
28.3	29.4	Massive green apatite.	7-1	1.1	84.43		
29.4	33.0	Pyroxenite - small amount of apatite.	7-2	3.6	8.16		
33.0	-	END OF HOLE. (Broke through into Boiler Pit).					
		Average:					
	1.0- 12.1				12.57		
					11.17		
	26.8- 33.0				12.75		
					6.8'		

QUEBEC SMELTING & REFINING LIMITED
 ROOM 501 - 215 ST. JAMES STREET WEST, MONTREAL

QUEBEC SMELTING & REFINING LIMITED DIAMOND DRILL LOG

DATE STARTED 14 MARCH 50.

PROPERTY HIGH ROCK MINE

DATE FINISHED 19 MARCH 50.

LOCATION Below Raise.

LENGTH 129.3'

HOLE NO. H-52X.

DIP COLLAR - 30°

STRIKE N 49° 30' W

PAGE NO. 1.

ft. RANGE VII, LOT 6

ELEVATION 489.1

ft.

LAT. 5742.37 Y

DEP. 5450.36 Y

FROM	TO	DESCRIPTION	SAMPLE NO.	LENGTH FEET	ANALYSIS	
					Ca ₂ P ₂ O ₅	(Check)
0.0	1.3	Casing.				
1.3	23.0	Pyroxenite - scattered apatite throughout.				
		<u>1.3- 5.0</u> - Scattered apatite.	H-11	3.7	1.52	1.75
		<u>5.0- 10.0</u> - Similar to above but slightly increased apatite.	H-12	5.0	11.36	
		<u>10.0- 15.0</u> - As above.	H-13	5.0	2.12	
		<u>15.0- 20.0</u> - Scattered apatite throughout.	H-14	5.0	tr	
		<u>20.0- 23.0</u> - As above.	H-15	3.0	5.49	
23.0	26.0	Massive green apatite.	H-16	3.0	13.60	
26.0	59.5	Pyroxenite - some scattered apatite.				
		<u>26.0- 28.0</u> - Pyroxenite; some scattered apatite.	H-17	2.0	20.10	
		<u>28.0- 33.0</u> - Small amount of disseminated apatite.	H-18	5.0	2.62	
		<u>33.0- 36.2</u> - Pyroxenite; some disseminated apatite.	H-19	3.2	5.45	
36.2	72.7	Quartz biotite gneiss.				
72.7	74.8	Pyroxenite - small amount of disseminated apatite.				

DIAMOND DRILL LOG

PROPERTY

HIGH ROCK MINE - 3221

HOLE NO.

U-321

PAGE NO.

2.

FROM	TO	DESCRIPTION	SAMPLE NO.	LENGTH FEET	ANALYSIS		
					Ca	Si	(Check)
74.8	85.0	Hornblende biotite gneiss.			Ca ₂ Si ₂ O ₅		
88.0	91.0	Pyroxenite - small amount of disseminated apatite.					
91.0	96.4	Hornblende biotite gneiss.					
96.4	99.8	Gray pegmatite.					
99.8	107.0	Basic gneiss.					
107.0	128.0	Pyroxenite - varying amounts of biotite; not much apatite.					
128.0		END OF HOLE.					
		Vertical					
		1.5- 35.0			$\frac{50.70}{31.7}$		
		20.0- 28.0			$\frac{30.18}{8.0}$		
					488.5'	(Vertical Depth)	

QUEBEC SMELTING & REFINING LIMITED
ROOM 301 - 315 ST. JAMES STREET WEST, MONTREAL

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED
PROPERTY HIGH ROCK MINE DATE STARTED 14 MAR 50.
LOCATION _____ LENGTH 84.0' HOLE NO. H-53X.
DIP COLLAR 0 degrees. STRIKE N 41° 30' E PAGE NO. 1.
_____ ft. RANGE VII, LOT 5 ELEVATION 408.1'
_____ ft. LAT. 2345.21 N DEP. 5722.26 N

FROM	TO	DESCRIPTION	SAMPLE NO.	LENGTH FEET	ANALYSIS	
					Ca	P ₂ O ₅
0.0	3.0	Casing.				
3.0	10.0	Granitized pyroxenite - very little apatite.				
10.0	35.0	About 60% pegmatite with altered pyroxenite; very little apatite.				
35.0	48.0	Granitized pyroxenite; some scattered apatite.				
		<u>48.0-47.0</u> - Some scattered apatite.	H-20	2.0	11.55	
48.0	54.0	Chiefly gray pegmatite.				
54.0	74.0	Granitized pyroxenite - some scattered apatite. At 64.0, there is a 4" band of massive sulphides, mainly pyrite, some pyrrhotite.				
		<u>66.5-70.0</u> - Some scattered apatite.	H-21	3.5	5.00	
		<u>70.0-74.0</u> - As above.	H-22	4.0	2.84	
74.0	84.0	Quartzite.				
84.0	-	END OF HOLE.				

18 Oct 50 i.

QUEBEC SMELTING & REFINING LIMITED
ROOM 301 - 215 ST. JAMES STREET WEST, MONTREAL

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED

DATE STARTED 20 MAR 50.PROPERTY HIGH ROCK MINEDATE FINISHED 24 MAR 50.LOCATION LENGTH 94.0 HOLE NO. U-54X.DIP COLLAR - 39° STRIKE N 49° 00' W PAGE NO. 1...... ft. RANGE VII, LOT 6 ELEVATION 480.7'..... ft. LAT. 5742.38 N DEP. 5550.44 W

FROM	TO	DESCRIPTION	SAMPLE NO.	LENGTH FEET	ANALYSIS	
0.0	1.0	Casing.				
1.0	2.0	Pyroxenite - some apatite.				
2.0	3.0	Lost core.				
3.0	6.3	Pyroxenite - fair amount of scattered apatite.	H-23	3.3	3.71	
6.3	6.5	Lost core.				
6.5	8.7	Pyroxenite - some apatite.	H-24	1.9	3.49	
8.7	10.0	Fine-grained biotite gneiss (fault zone?). Schistosity at 45 deg. to core axis.				
10.0	15.5	Basic hornblende biotite gneiss.				
15.5	17.0	Lost core.				
17.0	19.0	Highly granitized basic gneiss.				
19.0	26.5	Acid gneiss - mainly blue quartzite.				
26.5	37.4	Basic gneiss.				
37.4	41.0	Gray pegmatite.				
41.0	48.5	Basic gneiss.				
48.5	94.0	Pyroxenite - a few small spots of apatite and some fine disseminations.				
94.0	-	END OF HOLE.				

19 Oct 50 i.

QUEBEC SMELTING & REFINING LTD
 ROOM 301 - 215 ST. JAMES STREET WEST, MONTREAL

QUEBEC SMELTING & REFINING LIMITED DIAMOND DRILL LOG

DATE STARTED 20 MAR 50.

PROPERTY HIGH ROCK MINE. DATE FINISHED _____

LOCATION _____ LENGTH 71.5' HOLE NO. U-55z.

DIP COLLAR 0° STRIKE S 43° 00' W PAGE NO. 1.

_____ ft. RANGE VII, LOT 5 ELEVATION 453.6

_____ ft. LAT. 55° 00.25 N DEP. 5573.32 E

FROM	TO	DESCRIPTION	SAMPLE NO.	LENGTH FEET	ANALYSIS		
					Ca	P	O
0.0	1.0	Casing.					
1.0	10.5	Granitized pyroxenite - a little disseminated apatite.					
10.5	22.0	Gray pegmatite.					
22.0	33.0	Pyroxenite - some fine apatite.	N-25	1.0	2.94		
33.0	34.5	Gray pegmatite.					
34.5	48.5	Pyroxenite - some disseminated apatite.					
		<u>35.0-38.0 - Disseminated apatite.</u>	N-26	3.0	2.84		
		<u>38.0-40.0 - As above.</u>	N-27	2.0	tr		
48.5	57.0	Gray pegmatite.					
57.0	59.5	Pyroxenite.					
59.5	71.5	Gray pegmatite.					
71.5	-	END OF HOLE.					

QUEBEC SMELTING & REFINING LIMITED
 ROOM 301 - 215 ST. JAMES STREET WEST, MONTREAL

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

DATE STARTED

PROPERTY HIGH ROCK MINE DATE FINISHED

LOCATION HOT DRIFT LENGTH 78.9' HOLE NO. U-56X

DIP COLLAR 0° - Horizontal STRIKE N 90° 00' E PAGE NO. 1.

ft. RANGE VII, LOT 6 ELEVATION 470.3'

ft. LAT. 5427.24 N DEP. 5021.22 E

FROM	TO	DESCRIPTION	SAMPLE NO.	LENGTH FEET	ANALYSIS	
					BFL	(Ca ₃ P ₂ O ₈)
0.0	1.0	Casing.				
1.0	22.0	Pyroxenite - small amount of scattered apatite. From 14.0 to 16.4, breccia zone with considerable pyrite including one 4" massive pyrite band. Apatite throughout breccia zone.				
		<u>14.0- 17.0 - Brecciated pyroxenite and pegmatite; some pink and green apatite.</u>	H-28	3.0	7.43	
		<u>17.0- 20.0 - Small amount of scattered apatite.</u>	H-29	3.0	1.97	
22.0	22.0	Pegmatite.				
22.0	31.2	Pyroxenite - some disseminated apatite.				
		<u>28.0- 31.2 - Pyroxenite; some scattered apatite.</u>	H-30	3.2	1.97	
31.2	34.0	Grey pegmatite with included pyroxenite.				
34.0	77.6	Pyroxenite with finely disseminated apatite.				

ROC. 301 215 ST. JAMES STREET WEST, MONTREAL

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED

DATE STARTED

PROPERTY HIGH ROCK MINE, DATE FINISHEDLOCATION HOT DRIFT LENGTH 66.3 HOLE NO. U-66-2DIP COLLAR Horizontal STRIKE N 66° 18' E PAGE NO. 1.ft. RANGE VII, LOT 6 ELEVATION 470.3ft. LAT. 54° 02' N DEP. 6819.88 E

FROM	TO	DESCRIPTION	SAMPLE NO.	LENGTH FEET	ANALYSIS	
					SiO ₂	(Ca, P ₂ O ₅)
0.0	1.0	Casing.				
1.0	66.3	Pyroxenite - small amount of apatite. From 20.0 to 21.5, breccia zone(?) with sheared apatite and spotty pyrite. From 22.0-28.0, increased apatite. 28.0-33.0, breccia zone with considerable pyrite.				
		<u>20.0- 23.0 - Granitized pyroxenite with scattered apatite.</u>	H-38	3.0	2.58	
		<u>23.0- 28.0 - As above.</u>	H-39	4.0	2.17	
		<u>28.0- 33.0 - Less apatite.</u>	H-40	5.0	1.79	
		<u>33.0 - 40.0- As above.</u>	H-41	7.0	1.97	(Ca, P ₂ O ₅)
		<u>40.0- 45.0 - Similar to above.</u>	H-42	5.0	2.15	
		<u>45.0- 50.0 - Not much apatite.</u>	H-43	5.0	1.53	
		<u>50.0- 55.0 - As above.</u>	H-44	5.0	1.53	
		<u>55.0- 56.5 - Increased apatite; some pyrite.</u>	H-45	1.5	2.61	
		<u>56.5- 58.0 - Pyroxenite with about 55% apatite.</u>	H-46	1.5	25.13	
		<u>58.0- 60.0 - Less apatite.</u>	H-47	2.0	15.29	
60.3	66.3	Quartzite.				

DIAMOND DRILL LOG

PROPERTY HIGH ROCK MINE.

HOLE NO. D-50 X

PAGE NO. 2.

FROM	TO	DESCRIPTION	SAMPLE NO.	LENGTH FEET	ANALYSIS		
					SiO ₂	CaO	P ₂ O ₅
66.8	80.9	Pyroxenite - not much apatite.					
80.9	81.8	Basic gneiss.					
81.8	85.9	Pyroxenite.					
85.9	86.3	Basic gneiss.					
86.3	-	END OF HOLE.					
		<u>Average:</u>			BPL (Ca ₃ P ₂ O ₈) %		
		66.8- 80.0			19.51		
					5.5%		

Hole No. B-597.

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED
Company

ROOM 301 - 315 ST. JAMES ST. WEST, MONTREAL 1
Address

HIGH ROCK MINE

RANGE VII, LOT 5
Claim No.

LOCATION

DIP-COLLAR HORIZONTAL STRIKE N 26° 00' E

ft. LENGTH 90.0'

ft. ELEVATION 472.5'

ft. LATITUDE 5401.29 N

ft. DEPARTURE 5820.45 E

Date Started (X) 12 OCT 50

Date Finished

Form 1 (10-50) I.P.C.L.

VAEBVCEZ

DIAMOND DRILL LOG

PROPERTY QUEBEC FUELTING - HIGH ROCK MINE

HOLE No. H-59X

PAGE No. 2

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca	P ₂ O ₅ %
0.0	1.2	Casing.				
1.2	1.9	Pyroxenite.				
1.9	3.1	Impure quartzite.				
3.1	9.0	Pyroxenite with scattered apatite.				
		<u>5.0- 9.0</u> - Pyroxenite; some scattered apatite.	H-210	4.0		9.09
9.0	11.1	Massive green apatite.	H-211	2.1		65.58
11.1	13.5	Pyroxenite; fair amount of scattered apatite.	H-212	2.4		18.24
13.5	14.7	Massive green apatite.	H-213	1.2		85.30
14.7	15.9	Pyroxenite - scattered apatite.	H-214	1.2		8.78
15.9	19.7	Massive green apatite.	H-215	3.8		81.41
19.7	29.2	Pyroxenite - some scattered apatite.				
		<u>19.7- 25.0</u> - Small amount of apatite.	H-216	5.3		2.20
		<u>25.0- 29.2</u> - As above.	H-217	4.2		5.99
29.2	34.3	Mixed gneisses, chiefly quartzite.				
34.3	71.5	Pyroxenite; scattered apatite.				
		<u>35.0- 40.0</u> - Small amount of apatite.	H-218	5.0		17.06
		<u>40.0- 45.0</u> - As above.	H-219	5.0		10.99
		<u>45.0- 50.0</u> - Similar to above.	H-220	5.0		7.75
		<u>70.5- 71.5</u> - Pyroxenite; some scattered apatite.	H-221	1.0		13.61
71.5	72.7	Massive green apatite.	H-222	1.2		79.58

DIAMOND DRILL LOG

HOLE No. D-59X

PAGE No. 3

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES			
					Ca	Si	O	H
72.7	75.3	Pyroxenite; a little apatite.	H-223	2.6	8.45	5.28		
75.3	76.9	Pegmatite.						
76.9	77.9	Pyroxenite.						
77.9	81.0	Pegmatite.						
81.0	83.8	Pyroxenite; evenly disseminated apatite.	H-224	2.8	15.51			
83.8	84.5	Massive green apatite.	H-225	0.7	71.19			
84.5	90.0	Pyroxenite; small amount of scattered apatite.	H-226	5.5	7.38			
90.0	-	END OF HOLE.						

29 Jan 51 1.

Hole No. U-60X.....

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

..... QUEBEC SMELTING & REFINING LIMITED
Company

..... ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1
Address

..... HIGH ROCK MINE

..... RANGE VII, LOT 5
Claim No.

LOCATION

DIP-COLLAR $\pm 19^\circ$ (up) STRIKE N $27^\circ 00'$ E

..... ft. LENGTH 39.4'

..... ft. ELEVATION 474.1'

..... ft. LATITUDE 5402.02 N

..... ft. DEPARTURE 5820.69 E

Date Started (R) 12 OCT 50 Date Finished

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. H-60 X.
PAGE No. 2.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES			
					Ca	P	D	S
0.0	1.9	Casing.						
1.9	2.7	Quartzite.						
2.7	3.2	Pyroxenite; some apatite.						
3.2	3.7	Massive apatite.						
3.7	9.5	Mixed pyroxenite & pegmatite; some scattered apatite.						
		<u>3.2- 7.0</u> - Some scattered apa- tite including a 6" massive band at 3.2'.	H-227	3.8			14.61	
9.5	12.0	Pyroxenite.						
12.0	15.0	Pegmatite.						
15.0	26.6	Pyroxenite; not much apatite.						
26.6	27.5	Massive green apatite.						
27.5	28.3	Pyroxenite; small amount of apa- tite.						
		<u>26.6- 28.4</u> - Massive apatite with 40% pyroxenite.	H-228	1.8			39.80	
28.3	30.6	Quartz-biotite-gneiss.						
30.6	33.4	Lost core.						
33.4	39.4	Gneisses - chiefly quartz-biotite -gneiss.						
39.4	-	END OF HOLE.						

30 Jan 51 1.

Hole No. U-61X.....

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED
Company

ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1
Address

HIGH ROCK MINE

RANGE VII, LOT 5
Claim No.

LOCATION.....

DIP-COLLAR - 350 STRIKE N 25° 30' E

ft. LENGTH 45.4'

ft. ELEVATION 470.1'

ft. LATITUDE 5400.72 N

ft. DEPARTURE 5820.08 E

Date Started (R) 12 OCT 50

Date Finished.....

Form 1 (10-50) I.P.C.L.

Flow

10

Flow
Cote

Flow
Cote

Flow
Cote

Flow
Cote

QUEBEC

QUEBEC SMELTING & REFINING LIMITED

Hole No. U-63X

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED
Company

ROOM 301 - 315 ST. JAMES ST. WEST, MONTREAL 1
Address

HIGH ROCK MINE

RANGE VII, LOT 9
Claim No.

LOCATION H. DRIFT EAST

DIP-COLLAR HORIZONTAL STRIKE 110°

ft. LENGTH 12.5'

ft. ELEVATION 402.5'

ft. LATITUDE 5422.2 N

ft. DEPARTURE 5956.1 E

Date Started Date Finished

(R) 24 Apr 51 1.

VAEBVCEG

Hole No. U-64X.....

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED

Company

ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1

Address

HIGH JACK MINE

RANGE VII, LOT 5

Claim No.

LOCATION..... 101 X-Cut

DIP-COLLAR..... HORIZONTAL..... STRIKE..... W. 13° N. approximate

..... ft..... LENGTH..... 55.0'

..... ft..... ELEVATION..... 463.0' approx.

..... ft..... LATITUDE..... 55° 55' N..... "

..... ft..... DEPARTURE..... 5912. E..... "

Date Started: (H) 21 OCT 50

Date Finished:

Form 1 (10-50) I.P.C.L.

LOG

10

Company Code

Drill Type

Drill Length

QUEBEC

DIAMOND DRILL LOG

HOLE No. H-64X.

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

PAGE No. 2.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₃ P ₂ O ₈ %	
0.0	5.6	Pyroxenite; small amount of disseminated apatite.				
5.6	7.0	Gray pegmatite.				
7.0	24.5	Pyroxenite; small amounts of scattered apatite.				
24.5	25.5	Soft clayey, fault gouge.				
25.5	30.0	Lost core. (Drilling indicated that the last 2' was apatite).				
30.0	32.7	Massive, fine-grained, light green apatite - some pyrite.	H-157	2.7	67.72	
32.7	38.6	Pyroxenite; some disseminated apatite.				
38.6	42.0	Gray pegmatite.				
42.0	52.0	Pyroxenite with fair amount of scattered apatite in small massive patches.				
		<u>42.0- 47.0</u> - Fair amount of scattered apatite.	H-158	5.0	27.98	
		<u>47.0- 52.0</u> - As above.	H-159	5.0	41.13	
52.0	58.0	Pyroxenite; small amount of scattered apatite.				
58.0	-	END OF HOLE.				
				30 Jan 51 1.		

Hole No. U-651

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED
Company

ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1
Address

HIGH ROCK MINE

RANGE VII, LOT 5
Claim No.

LOCATION 101 X-Cut

DIP-COLLAR HORIZONTAL STRIKE W 48° 30' N - 2

ft. LENGTH 45.5'

ft. ELEVATION 463.0'

ft. LATITUDE 57 56 N - 2

ft. DEPARTURE 5915 E - 2

Date Started (R) 21 OCT 50.

Date Finished

Form 1 (10-50) I.P.C.L.

VAEYCEZ

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. U-65X.

PAGE No. 2.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca	P ₂ O ₅ %
0.0	16.0	Pyroxenite with scattered green apatite throughout.				
		<u>0.0- 5.0</u> - Finely disseminated apatite.	H-199	5.0	14.81	
		<u>5.0- 10.0</u> - As above.	H-200	5.0	15.38	
		<u>10.0- 13.0</u> - Small amount of fine apatite.	H-201	3.0	14.09	
		<u>13.0- 16.0</u> - Slightly increased apatite.	H-202	3.0	13.15	
16.0	17.7	Massive green apatite.	H-203	1.7	73.35	
17.7	45.3	Pyroxenite with some scattered apatite in irregular patches. From 31.5-33.0, there is some patchy pyrite and minor brecciation of the pyroxenite - fault zone?				
		<u>17.7- 21.0</u> - Pyroxenite; some scattered apatite.	H-204	3.3	4.15	
		<u>21.0- 25.0</u> - As above.	H-205	4.0	4.22	
		<u>25.0- 30.0</u> - Small amount of scattered apatite.	H-206	5.0	15.25	
		<u>30.0- 35.0</u> - As above.	H-207	5.0	5.50	
		<u>35.0- 40.0</u> - Not much apatite.	H-208	5.0	7.78	
		<u>40.0- 45.3</u> - Slightly increased apatite.	H-209	5.3	15.92	
45.3	-	END OF HOLE.				
				31 Jan 51 i.		

Hole No. U-66 X.

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED
Company

ROOM 501 - 215 ST. JAMES ST. WEST, MONTREAL 1
Address

HIGH ROCK MINE

RANGE VII, LOT 5
Claim No.

LOCATION 101 X-Cut

DIP-COLLAR plus 25° (up) STRIKE W46° N ↗

ft. LENGTH 33.0'

ft. ELEVATION 464.0' ↗

ft. LATITUDE 57.56 N ↗

ft. DEPARTURE 5915E ↗

Date Started (R) 21 OCT 50. Date Finished

QUEBEC SMELTING & REFINING LIMITED

Hole No. U-67X.....

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED
Company

ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1
Address

HIGH ROCK MINE

RANGE VII, LOT 5
Claim No.

LOCATION..... 103 X-cut

DIP COLLAR..... HORIZONTAL..... STRIKE..... 230°

ft..... LENGTH..... 44.0'

ft..... ELEVATION..... 462.5'

ft..... LATITUDE..... 5372 N

ft..... DEPARTURE..... 5935 E

Date Started..... (R) 17 NOV 50

Date Finished.....

Form 1 (10-50) I.P.C.L.

From 19
Gauge
Cone
MMP
Line
Date
Asst/II

VAENVOE2

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. U-677

PAGE No. 2

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					SiO ₂	P ₂ O ₅
0.0	5.0	Pyroxenite; some scattered apatite.	H-236	5.0	7.38	
5.0	5.8	Massive apatite.				
5.8	21.5	Pyroxenite; scattered apatite.				
		5.0- 8.0 - Pyroxenite with scattered apatite throughout and one 9" band of massive apatite.	H-237	3.0	21.43	
21.5	23.5	Acid gneiss.				
23.5	25.0	Pyroxenite; very little apatite.				
25.0	35.9	Basic hornblende-gneiss.				
35.9	44.0	Acid gneisses - mainly quartzite.				
44.0	-	END OF HOLE.				

31 Jan 51 i.

Hc's No. U-60X

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED
Company

ROOM 201 - 215 ST. JAMES ST. WEST, MONTREAL 1
Address

HIGH ROCK MINE

RANGE VII, LOT 5
Claim No.

LOCATION..... JUNCTION N DRIFT E & 103 X-CUT

DIP-COLLAR..... HORIZONTAL..... STRIKE..... 95° 50'

..... ft..... LENGTH..... 47.5'

..... ft..... ELEVATION..... 462.5'

..... ft..... LATITUDE..... 5400 W

..... ft..... DEPARTURE..... 5971 E

Date Started..... (R) 17 NOV 50..... Date Finished.....

Form 1 (10-50) L.P.C.L.

Flow 10 Graph Cons MTP 103 DCPH 10304

WAENUGER

Hole No. U-20X.....

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

..... QUEBEC SMELTING & REFINING LIMITED
Company

..... ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1
Address

..... HIGH ROCK MINE

..... RANGE VII, LOT 5
Claim No.

LOCATION EAST DRIFT ABOVE U-40

DIP-COLLAR 50° STRIKE N $62^{\circ} 30'$ E

..... ft. LENGTH 44.0'

..... ft. ELEVATION 248.0'

..... ft. LATITUDE 5264 N -2

..... ft. DEPARTURE 5895.8 E -2

Date Started Date Finished

Form 1 (10-50) I.P.C.L. (H) 17 NOV 60.

VAEBVCE2

Hole No. U-71X

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED
Company

ROOM 501 - 215 ST. JAMES ST. WEST, MONTREAL 1
Address

HIGH ROCK MINE

RANGE VII, LOT 5
Claim No.

LOCATION EAST DRIFT

DIP-COLLAR HORIZONTAL STRIKE S 24° 15' W

ft. LENGTH 85.0'

ft. ELEVATION 561.5'

ft. LATITUDE 52.12.4 N

ft. DEPARTURE 5914 E

Date Started Date Finished

Form J (10-50) I.P.C.L. (R) 17 OCT 50

VANUYCES

[Handwritten note: "approx"]

DIAMOND DRILL LOG

HOLE No. U-71X.

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

PAGE No. 2.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca ₂ P ₂ O ₈ %	
0.0	6.0	Pyroxenite - scapolite through-out; no apatite.				
6.0	9.0	Banded granitic-gneiss.				
9.0	10.3	Pyroxenite; very little apatite.				
10.3	20.3	Gray pegmatite & clear quartz.				
20.3	33.5	Pyroxenite with fair amount of scattered apatite including one 7" massive band at 31.5'.	H-245	4.2		21.11
33.5	35.0	Massive green apatite.	H-246	1.5		79.67
35.0	35.8	Pyroxenite.	H-247	0.8		2.56
35.8	37.3	Massive green apatite.	H-248	1.5		77.70
37.3	47.3	Pyroxenite; some scattered apatite.				
		<u>37.3- 39.0</u> - Small amount of apatite.	H-249	1.7		5.66
		<u>39.0- 44.0</u> - Similar to above.	H-250	5.0		11.62
		<u>44.0- 48.0</u> - Some scattered apatite including one 8" massive band at 47.3'.	H-251	4.0		23.22
47.3	48.0	Massive apatite.				
48.0	49.0	Pyroxenite.				
49.0	55.0	Granitized, mixed gneisses.				
55.0	59.7	Pyroxenite; scattered apatite.	H-252	4.7		7.93
59.7	70.0	Gray pegmatite with small inclusions of pyroxenite.				
70.0	83.0	Pyroxenite with disseminated apatite.				

QUEBEC SMELTING & REFINING LIMITED

Hole No. U-711

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED

Company

ROOM 301 - 815 ST. JAMES ST. WEST, MONTREAL 1

Address

HIGH ROCK MINE

RANGE VII, LOT 5

Claim No.

LOCATION EAST DRIFT ABOVE U-71

DIP-COLLAR plus 25° STRIKE S 25° 30' W _a

ft. LENGTH 52.5'

ft. ELEVATION 503.0'

ft. LATITUDE 5212.4 N _a

ft. DEPARTURE 5914.0 E _a

Date Started Date Finished

(R) 17 NOV 50.

Form 1 (10-50) I.P.C.L.

ALOM

1°

COLE

LINE

ASST

VALLEY

[_a = approx.]

Hole No. U-737.....

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

.....
QUEBEC SMELTING & REFINING LIMITED
Company

.....
ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1
Address

.....
HIGH ROCK MINE

.....
RANGE VII, LOT 5
Claim No.

.....
LOCATION..... END OF LOG X-CUT

DIP-COLLAR..... HORIZONTAL..... STRIKE..... 243°

..... ft..... LENGTH..... 48.2'

..... ft..... ELEVATION..... 455.0'

..... ft..... LATITUDE..... 5548.2 N

..... ft..... DEPARTURE..... 5560.2 E

Date Started..... Date Finished.....

Form 1 (10-50) I.P.C.T. (1) 27 NOV 50.

QUEBEC

Hole No. U-747.

QUEBEC SMELTING & REFINING LIMITED

DIAMOND DRILL LOG

QUEBEC SMELTING & REFINING LIMITED
Company

ROOM 301 - 215 ST. JAMES ST. WEST, MONTREAL 1
Address

HIGH ROCK MINE

RANGE VII, LOT 5
Claim No.

LOCATION..... 103 X-OUT

DIP-COLLAR..... plus 50°..... STRIKE..... 240°

..... ft..... LENGTH..... 26.7'

..... ft..... ELEVATION..... 468.0'

..... ft..... LATITUDE..... 8358.5 N

..... ft..... DEPARTURE..... 5878.7 E

Date Started..... Date Finished.....

Form 1 (10-50) I.P.C.L. (N) 27 NOV 50

VAENYAES

DIAMOND DRILL LOG

PROPERTY QUEBEC SMELTING - HIGH ROCK MINE

HOLE No. U-74X.

PAGE No. 8.

From	To	DESCRIPTION	Sample No.	Length Feet	ANALYSES	
					Ca, P, Fe	Si
0.0	1.0	Pyroxenite; some apatite.	P-259	1.0	2.60	
1.0	4.5	Massive black and dark brown apatite with disseminated pyrite throughout.	H-260	3.5	63.48	
4.5	6.5	Pyroxenite; not much apatite.				
6.5	13.3	Intermediate-gneiss and granitized pyroxenite.				
13.3	16.8	Pyroxenite; some scattered apatite including one 7" massive band at 14.0".				
	15.3- 15.0	Scattered apatite including one 7" massive band.	H-261	1.5	29.05	
16.8	19.6	Pink pegmatite.				
19.6	25.7	Pyroxenite; small amounts of patchy apatite.				
	25.5- 26.7	Some scattered apatite.	H-262	3.2	19.16	
28.7	-	END OF HOLE.				
<p><u>NOTE</u> - This hole broke through into lower wall of Hart Drift near collar of U-25X.</p>						
<p>01 Feb 51 1. 05 Mar 51 1 - Assays.</p>						

