TABLE 5 - Analyses of diamond drill cores

Diamond Drill Hole 3(cont'd.)

Footage From-	Footage To-	Sample Interval Feet	Core Assay,% Mn	Core Assay,% Fe	Combined Core and Sludge Assay, % Mn	Combined Core and Sludge Assay, % Fe	Remarks and Lithology (See Explanation, Fig. 3)
170.1	178.1	8.0	11.80	26.36			Bottom of manganiferous banded hematite @ 178.1 ft.
Total		39.4	12.31	25.72			Core Recovery - 92.6%
178.1	181.7	3.6	6.81	19.97			Manganiferous
181.7	190.9	9.2	3.53	19.08			interbedded
190.9	199.1	8.2	5.08	27.41			
199.1	210.3	11.2	5.49	20.86			
210.3	215.1	4.8	9.96	21.83			hematitic & green slate
215.1	228.5	13.4	8.52	25.87			
Total		50.4	6.39	22.96			Core Recovery - 100.0%
							Core Recovery - 100.0%
228.5	244.5	16.0	1.31	8.73			Top of green slate @ 228.5 ft.
244.5	251.3						Core Recovery - 97.5% - Green slate
Total Core Sampled		241.7					Core Recovery - 97.5%

Diamond Drill Hole 4

Footage From-	Footage To-	Sample Interval Feet	Core Assay,% Mn	Core Assay,% Fe	Combined Core and Sludge Assay, % Mn	Combined Core and Sludge Assay, % Fe	Remarks and Lithology (See Explanation, Fig. 3)
0.0	3.9						Overburden
3.9	8.2	4.3	1.24	3.41			Manganiferous
8.2	13.0	4.8	7.88	20.46			purple
13.0	18.0	5.0	1.76	4.95			and
18.0	23.0	5.0	1.44	5.68			red
23.0	26.5	3.5	2.44	5.52			slate
Total		22.6	2.99	8.20			Core recovery - 92.0%
26.5	29.8	3.3	12.12	11.37			
29.8	31.7	1.9	17.40	16.40			
31.7	36.7	5.0	4.80	6.17			
36.7	38.3	1.6	4.12	6.33			Manganiferous
38.3	41.5	3.2	14.68	19.16			
41.5	45.3	3.8	11.04	7.80			purple
45.3	48.1	2.8	5.04	9.26			
48.1	53.0	4.9	13.36	21.76			and
53.0	54.8	1.8	8.20	22.74			
54.8	59.1	4.3	3.08	12.26	5.80	17.53	red
59.1	62.0	2.9	16.04	28.01			
62.0	66.0	4.0	2.44	6.82			slate
66.0	71.6	5.6	7.48	10.39			
71.6	75.1	3.5	11.52	30.21			
75.1	78.0	2.9	14.20	29.39			
78.0	80.3	2.3	5.96	6.66			
80.3	86.3	6.0	4.36	17.38	3.98	23.86	
86.3	90.2	3.9	4.16	7.63			
90.2	92.4	2.2	10.00	30.53			
92.4	97.2	4.8	7.00	7.15			
97.2	99.9	2.7	12.28	24.03			

TABLE 5 - Analyses of diamond drill cores

Diamond Drill Hole 4(cont'd.)

Footage From-	Footage To-	Sample Interval Feet	Core Assay,% Mn	Core Assay,% Fe	Combined Core and Sludge Assay, % Mn	Combined Core and Sludge Assay, % Fe	Remarks and Lithology (See Explanation, Fig. 3)
99.9	105.0	5.1	6.12	9.74			
105.0	109.6	4.6	9.40	11.04			
109.6	113.3	3.7	5.00	8.44	5.35	11.49	
113.3	116.8	3.5	3.96	8.61			
116.8	120.1	3.3	3.00	4.71			
120.1	123.2	3.1	4.88	11.94			
123.2	128.6	5.4	10.36	21.68			
128.6	131.8	3.2	11.16	24.52			
131.8	138.2	6.4	8.80	23.71	9.33	26.12	
138.2	143.3	5.1	4.32	8.77			
143.3	147.2	3.9	8.76	22.17			
147.2	153.1	5.9	8.44	16.89			Top of manganiferous banded hematite @ 153.1 ft.
Total		126.6			7.86	15.32	Core recovery - 93.5%
153.1	157.0	3.9	10.84	33.70			
157.0	161.9	4.9	15.80	29.72			
161.9	164.8	2.9	12.72	28.26			
164.8	168.9	4.1	10.68	30.61			
168.9	173.0	4.1	11.60	29.47			Manganiferous
173.0	177.7	4.7	8.44	21.52			Banded
177.7	182.8	5.1	14.00	26.23			
182.8	187.2	4.4	11.08	27.12			Hematite
187.2	192.0	4.8	9.52	27.36			
192.0	197.0	5.0	11.88	30.37			
197.0	202.0	5.0	7.76	21.11			
202.0	207.0	5.0	7.76	32.48	7.34	34.63	
207.0	212.0	5.0	12.28	23.87			
Total		58.9			11.03	27.86	Core recovery - 96.1%
212.0	216.2	4.2	7.72	29.64			Bottom of manganiferous banded hematite @ 216.2 ft.
216.2	218.8	2.6	7.84	24.60			
218.8	222.1	3.3	4.44	14.13	4.59	18.14	
222.1	224.4	2.3	2.52	7.63			Manganiferous
224.4	229.2	4.8	6.48	23.71	6.15	25.97	
229.2	233.1	3.9	5.52	24.68	4.95	27.65	interbedded
233.1	238.6	5.5	6.72	25.41	6.38	29.39	
238.6	246.0	7.4	3.64	13.57	3.11	13.85	hematite
246.0	253.0	7.0	9.20	27.62	8.70	28.15	
253.0	256.7	3.7	10.32	24.68	8.85	28.78	and
256.7	258.9	2.2	6.40	29.23			
258.9	261.6	2.7	8.36	24.55	8.19	26.70	green slate
261.6	265.2	3.6	8.00	30.52	7.12	31.55	
265.2	266.6	1.4	9.80	26.47			Top of green slate at 266.6 ft.
Total		54.6			6.41	24.78	Core recovery - 76.2%
266.6	276.8	10.2	5.68	13.89	4.20	16.92	
276.8	283.0	6.2	.76	7.80	.48	6.94	Green slate
Total		16.4			2.79	13.15	Core recovery - 31.1%
Total Core Sampled		279.1					Core recovery - 86.9%