TABLE 5 - Analyses of diamond drill cores

Diamond Drill Hole 20

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	8.0						
8.0	180.0						Overburden Gray-green slate
180.0	190.0	10.0	0.84	5.00			
190.0	192.7	2.7	.88	4.84			
192.7	200.0	7.3	4.12	8.06			Bottom of gray-green slate @ 194.5 ft.
200.0	210.0	10.0	4.32	9.52			Manganiferous purple and red slate (partially recrystallized)
210.0	220.0	10.0	3.60	7.74			
Total		40.0	3.00	7.36			Core recovery - 100.0%
220.0	230.0	10.0	8.88	11.94			Top of manganiferous banded hematite
230.0	240.0	10.0	9.40	17.42			
240.0	250.0	10.0	4.48	13.71			Manganiferous banded hematite (partially recrystallized)
250.0	260.0	10.0	3.80	14.84			
260.0	270.0	10.0	4.92	13.71			
270.0	280.0	10.0	4.52	18.06			Bottom of manganiferous banded hematite @ 254.7 ft.
280.0	290.0	10.0	5.40	13.39			Manganiferous interbedded hematite & green slate (partially recrystallized)
290.0	301.0	11.0	7.60	15.48			
Total		81.0	6.14	14.83			Core recovery - 100.0%
301.0	310.0	9.0	0.72	6.45			Top of green slate @ 301.0 ft.
310.0	320.0	10.0	.76	6.13			Green slate
Total		19.0	0.74	6.28			Core recovery - 100.0%
320.0	359.0						Green slate
Total Core Sampled		140.0					Core recovery - 100.0%

Diamond Drill Hole 21

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	8.0						
8.0	100.0						Overburden Gray-green slate
100.0	110.0	10.0	0.64	5.03			Gray-green slate
110.0	120.0	10.0	.92	5.68			Bottom of gray-green slate @ 106.0 ft.
Total		20.0	0.78	5.36			Core recovery - 100.0%
120.0	130.0	10.0	2.08	5.85			
130.0	140.0	10.0	3.43	8.69			
140.0	150.0	10.0	6.31	17.54			Manganiferous
150.0	160.0	10.0	4.40	12.98			
160.0	170.0	10.0	1.15	5.60			purple
170.0	180.0	10.0	1.12	5.36			
180.0	190.0	10.0	1.95	8.28			and
190.0	200.0	10.0	.96	5.35			
200.0	210.0	10.0	.95	5.20			red slate
210.0	220.0	10.0	1.08	7.15			
220.0	230.0	10.0	.84	5.68			(partially recrystallized)
230.0	240.0	10.0	.63	5.52			
240.0	250.0	10.0	3.71	6.82			
250.0	260.0	10.0	2.48	6.50			
260.0	270.0	10.0	2.47	6.51			
270.0	280.0	10.0	4.75	9.74			
280.0	290.0	10.0	4.43	10.23			
Total		170.0	2.51	7.82			Core recovery - 99.5%

TABLE 5 - Analyses of diamond drill cores

Diamond Drill Hole 21 (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)
290.0	300.0	10.0	5.16	11.45			Top of manganiferous banded hematite @ 297.8 ft.;
300.0	313.3	13.3	7.67	16.00			bottom @ 311 ft.(Zone partially recrystallized)
Total		23.3	6.85	14.01			Core recovery - 97.0%
313.3	320.0	6.7	1.08	6.58			Manganiferous interbedded hematite & green slate
320.0	330.0	10.0	.64	5.68			(partially recrystallized).Top of green slate @ 315.8'
Total		16.7	0.82	6.04			Core recovery - 98.2%
Total Core Sampled		230.0					Core recovery - 99.2%

Diamond Drill Hole 22

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	8.0						Overburden
8.0	10.0	2.0	0.72	8.06			Bottom of gray-green slate @ 10 ft.
10.0	20.0	10.0	1.28	8.22			Manganiferous purple & red slate(partially recrystallized)
Total		12.0	1.19	8.19			Core recovery - 48.3%
20.0	30.0	10.0	8.32	11.29			Manganiferous purple
30.0	40.0	10.0	4.24	14.43			and red slate (partially recrystallized)
40.0	50.0	10.0	6.80	11.94			
50.0	59.2	9.2	4.32	13.55			Top of manganiferous banded hematite @ 59.2 ft.
Total		39.2	5.95	12.79			Core recovery - 97.2%
59.2	70.0	10.8	10.40	27.66			Manganiferous
70.0	80.0	10.0	10.41	26.37			banded
80.0	90.0	10.0	10.20	26.53			hematite (partially recrystallized)
Total		30.8	10.34	26.87			Core recovery - 99.4%
90.0	100.0	10.0	8.12	20.16			Manganiferous
100.0	110.0	10.0	9.68	26.45			banded
110.0	120.0	10.0	10.60	21.29			hematite (partially recrystallized)
Total		30.0	9.46	22.63			Core recovery - 100.0%
120.0	130.0	10.0	3.48	11.29			Bottom of manganiferous banded hematite @ 120 ft.
130.0	140.0	10.0	2.72	11.28			Manganiferous interbedded hematitic and
140.0	150.0	10.0	4.84	18.71			green slate (partially recrystallized)
150.0	160.0	10.0	3.00	13.39			
160.0	170.0	10.0	7.68	20.00			
170.0	180.0	10.0	8.72	16.53			
180.0	190.0	10.0	6.80	16.13			
190.0	200.0	10.0	7.64	17.90			
200.0	207.0	7.0	5.44	14.35			
207.0	210.0	3.0	6.12	16.94			
210.0	220.0	10.0	5.00	15.00			Top of green slate @ 207.0 ft.
Total		100.0	5.55	15.53			Core recovery - 98.9%
220.0	229.0	9.0	1.40	5.08			Green slate
Total Core Sampled		221.0					Core recovery - 95.9%