TABLE 5 - Analyses of diamond drill cores

Diamond Drill Hole 48

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	30.0						
30.0	40.0	10.0	1.13	6.38			Gray-green slate
40.0	50.0	10.0	.56	5.66			
50.0	61.0	11.0	2.40	6.14			Gray-green slate
Total		31.0	1.40	6.06			Bottom of gray-green slate @ 61'
							Core recovery - 94.2%
61.0	70.0	9.0	6.80	11.07			
70.0	80.0	10.0	3.72	11.40			Recrystallized manganiferous purple and red slate
80.0	90.0	10.0	4.48	7.27			
90.0	100.0	10.0	6.08	13.44			
100.0	110.0	10.0	5.86	11.37			
110.0	114.5	4.5	8.64	19.68			
Total		53.5	5.63	11.64			Bottom of the unit @ 114.5'
							Core recovery - 98.5%
114.5	120.0	5.5	10.04	24.16			
120.0	130.0	10.0	11.22	24.00			Recrystallized manganiferous banded hematite
130.0	140.0	10.0	11.84	23.85			
140.0	150.0	10.0	9.45	21.58			
Total		35.5	10.71	23.30			Core recovery - 98.0%
150.0	155.0	5.0	8.52	21.83			
155.0	160.0	5.0	7.92	10.64			Recrystallized manganiferous interbedded hematitic and green slate
160.0	170.0	10.0	4.28	12.96			
170.0	180.0	10.0	8.08	17.95			
180.0	190.0	10.0	10.28	18.27			
190.0	200.0	10.0	7.64	18.67			
200.0	210.0	10.0	9.00	12.85			
210.0	220.0	10.0	6.88	11.56			Fault @ 280.0'
220.0	230.0	10.0	12.60	12.29			
230.0	240.0	10.0	7.60	18.43			
240.0	250.0	10.0	5.80	11.46			
250.0	260.0	10.0	4.08	7.27			
260.0	270.0	10.0	5.40	9.21			
270.0	280.0	10.0	4.84	9.94			
Total		130.0	7.28	13.62			Core recovery - 97.9%
280.0	287.0	7.0	3.08	7.00			
287.0	290.0	3.0	1.88	7.27			Gray-green slate
290.0	300.0	10.0	1.68	7.26			
300.0	307.5	7.5	2.28	6.63			Bottom of gray-green slate @ 307.5'
307.5	310.0	2.5	2.32	10.59			
310.0	320.0	10.0	2.40	6.79			
Total		40.0	2.27	6.97			Core recovery - 96.5%
320.0	322.2	2.2	6.92	9.46			
322.2	330.0	7.8	5.20	9.21			Recrystallized manganiferous purple and red slate
330.0	340.0	10.0	9.31	11.32			
340.0	350.0	10.0	3.68	6.95			
350.0	356.5	6.5	4.43	9.20			
Total		36.5	5.88	9.18			Core recovery - 100.0%
356.5	360.0	3.5	15.20	10.02			
360.0	370.0	10.0	11.40	11.88			Recrystallized manganiferous purple and red slate

TABLE 5 - Analyses of diamond drill cores

Diamond Drill Hole 48 (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)
370.0	377.5	7.5	9.80	15.28			
Total		21.0	11.46	12.78			Core recovery - 98.1%
377.5	380.0	2.5	3.12	7.92			Recrystallized manganiferous purple and red slate
380.0	390.0	10.0	6.80	8.73			
390.0	400.0	10.0	3.00	6.63			
400.0	410.0	10.0	3.52	7.84			
410.0	420.0	10.0	2.12	6.22			
420.0	430.0	10.0	1.48	6.30			
430.0	437.5	7.5	4.20	7.27			
Total		60.0	3.47	7.19			Core recovery - 97.7%
437.5	440.0	2.5	8.80	8.25			Recrystallized maganiferous purple and red slate
440.0	450.0	10.0	11.08	12.85			
450.0	455.0	5.0	7.87	16.01			
455.0	460.0	5.0	7.15	19.73			
460.0	470.0	10.0	7.95	13.58			
470.0	474.2	4.2	11.56	12.61			
Total		36.7	9.15	14.08			Core recovery - 99.5%
474.2	480.0	5.8	2.83	10.67			Recrystallized manganiferous purple and red slate
480.0	490.0	10.0	5.35	21.34			
490.0	496.3	6.3	4.24	10.83			
Total		22.1	4.37	15.54			Core recovery - 100.0%
496.3	500.0	3.7	1.20	6.06			Top of green slate @ 496.3' Green slate
500.0	510.0	10.0	1.04	6.63			
510.0	515.0	5.0	.80	7.27			
Total		18.7	1.00	6.69			Core recovery - 94.1%
Total Core Sampled		485.0					Core recovery - 98.1%