

MAR 19570018: DUNGARVAN CREEK

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COPY

DIAMOND DRILL RECORD

PROPERTY _____ *Permit No. 5.* _____ HOLE No. _____

SHEET NUMBER _____ SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	FORMATION Hole Number	Ratios Fe:Ti	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
							Fe	Ti	Inso	LOI
	1	5.58	5627	4.0	9.0		30.1	5.39	29.77	9.74
		5.33	5628	9.0	13.0		11.2	2.09	44.02	16.78
		6.08	5629	14.0	16.4		10.4	1.71	55.24	11.66
		5.31	5630	19.6	24.8		6.7	1.26	53.02	16.06
	2	5.42	5631	7.3	10.9		32.1	5.95	31.10	7.32
			5632	12.9	17.9		9.8	1.76	50.85	14.36
			5633	17.9	20.0		13.2	2.04	54.08	10.16
			5634	24.1	29.5		6.7	1.26	48.82	17.70
	3	6.70	5635	1.5	5.0		12.8	1.91	49.82	12.96
			5636	5.0	10.0		28.7	4.91	31.70	10.58
			5637	10.0	15.0		7.9	1.18	48.03	17.72
	4	5.04	5638	8.0	13.0		7.5	1.49	47.44	18.20

DIAMOND DRILL RECORD

PROPERTY..... HOLE No.....

SHEET NUMBER..... SECTION FROM..... TO..... STARTED.....

LATITUDE..... DATUM..... COMPLETED.....

DEPARTURE..... BEARING..... ULTIMATE DEPTH.....

ELEVATION..... DIP..... PROPOSED DEPTH.....

DEPTH FEET	FORMATION Hole Number	<i>Ratios Fe/Ti</i>	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
							Fe	Ti	Inso	L O I
	5	<i>5.78</i>	5639	0.6	5.6		37.6	6.85	23.72	6.90
			5640	5.6	11.2		28.1	5.07	30.92	10.78
	9		5641	3.4	8.4		32.9	6.0	24.80	9.96
			5642	8.4	13.4		11.9	2.12	48.80	13.34
			5643	16.5	21.5		4.2	0.76	52.34	18.02
	10		5644	2.6	8.6		40.7	6.49	22.80	5.36
	11	<i>4.60</i>	5645	34.0	39.0		13.2	2.87	54.20	10.26
			5646	39.0	44.0		21.9	3.88	33.07	13.54
			5647	44.0	49.0		16.8	2.92	38.31	14.90
			5648	48.0	58.0		35.4	5.64	26.05	7.16

DIAMOND DRILL RECORD

PROPERTY..... HOLE No.....

SHEET NUMBER..... SECTION FROM..... TO..... STARTED.....

LATITUDE..... DATUM..... COMPLETED.....

DEPARTURE..... BEARING..... ULTIMATE DEPTH.....

ELEVATION..... DIP..... PROPOSED DEPTH.....

DEPTH FEET	FORMATION HOLE NUMBER	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
						Fe	Ti	Insol	L O I
	12	<i>5.44</i>	5649	7.5	12.5	11.8	2.17	55.82	11.06
			5650	12.5	18.2	11.6	2.09	46.09	15.40
			12.1	19.9	22.0	7.1	1.13	61.40	11.86
			12.2	26.5	31.5	7.4	1.41	48.49	17.62

DIAMOND DRILL RECORD

PROPERTY..... HOLE No.....

SHEET NUMBER..... SECTION FROM..... TO..... STARTED.....

LATITUDE..... DATUM..... COMPLETED.....

DEPARTURE..... BEARING..... ULTIMATE DEPTH.....

ELEVATION..... DIP..... PROPOSED DEPTH.....

DEPTH FEET	FORMATION HOLE NUMBER	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
						Fe	Tl	Insol	L O I
	13	13-1	11.9	16.9		6.2	1.16	47.93	18.60
		13-2	31.9	34.9		4.5	0.93	48.65	19.62
	15	15-1	27.6	33.1	6.12	34.2	5.59	26.94	8.06
		15-2	33.1	39.1		19.1	3.18	42.28	11.38
		15-3	42.0	47.0		6.5	1.06	53.25	15.46

DIAMOND DRILL RECORD

PROPERTY..... HOLE No.....

SHEET NUMBER..... SECTION FROM..... TO..... STARTED.....

LATITUDE..... DATUM..... COMPLETED.....

DEPARTURE..... BEARING..... ULTIMATE DEPTH.....

ELEVATION..... DIP..... PROPOSED DEPTH.....

DEPTH FEET	FORMATION HOLE NUMBER	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
						Fe	Ti	Insol	L O I
	17	17.1	27.0	34.2		20.8	4.33	47.11	8.54
	18	18-1	45.6	54.3		5.9	1.01	50.70	17.36
	31	3.91	1	51.0	56.0	21.42	5.49	37.74	11.06
		2	56.0	61.0		44.28	6.58	17.68	5.68
		3	61.0	65.4		23.21	4.46	31.90	13.22

DIAMOND DRILL RECORD

PROPERTY..... HOLE No.....

SHEET NUMBER..... SECTION FROM..... TO..... STARTED.....

LATITUDE..... DATUM..... COMPLETED.....

DEPARTURE..... BEARING..... ULTIMATE DEPTH.....

ELEVATION..... DIP..... PROPOSED DEPTH.....

DEPTH FEET	FORMATION HOLE NUMBER	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
						Fe	Ti	Insol	L.O.I
	34	4	81.2	86.2		21.74	4.14	38.12	10.48
	35	5	50.4	54.0		33.81	7.81	23.06	10.56

DIAMOND DRILL RECORD

PROPERTY..... HOLE No.....

SHEET NUMBER..... SECTION FROM..... TO..... STARTED.....

LATITUDE..... DATUM..... COMPLETED.....

DEPARTURE..... BEARING..... ULTIMATE DEPTH.....

ELEVATION..... DIP..... PROPOSED DEPTH.....

DEPTH FEET	FORMATION HOLE NUMBER	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
						Fe	Ti	MnSO ₄	C.O.I.
	36	6	19.0	25.0		19.34	4.26	46.04	9.24
		7	25.0	31.8		20.94	4.34	38.88	11.28
		8	31.8	36.8		47.80	8.95	16.72	4.34
		9	36.8	41.0		46.84	8.62	16.66	3.89
	4.14	10	41.0	45.6		17.58	4.25	41.92	11.78

DIAMOND DRILL RECORD

PROPERTY..... HOLE No.....

SHEET NUMBER..... SECTION FROM..... TO..... STARTED.....

LATITUDE..... DATUM..... COMPLETED.....

DEPARTURE..... BEARING..... ULTIMATE DEPTH.....

ELEVATION..... DIP..... PROPOSED DEPTH.....

DEPTH FEET	FORMATION HOLE NUMBER	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
						Fe	Ti	Insol	L.O.I
	41	12	47.0	52.0		7.62	1.57	56.43	12.8
		13	65.0	68.0		51.29	10.98	13.28	.66
		14	68.0	73.0		22.55	4.88	34.15	11.30
	4.41	15	73.0	78.0		14.45	3.24	42.10	13.13

DIAMOND DRILL RECORD

PROPERTY..... HOLE No.....

SHEET NUMBER..... SECTION FROM..... TO..... STARTED.....

LATITUDE..... DATUM..... COMPLETED.....

DEPARTURE..... BEARING..... ULTIMATE DEPTH.....

ELEVATION..... DIP..... PROPOSED DEPTH.....

DEPTH FEET	FORMATION HOLE NUMBER	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
						Fe	Ti	Insol	L.O.I
	38	11	10.5	18.6		32.53	5.88	27.78	8.72
	42	16	95.5	102.0		27.01	5.99	27.86	7.21
	45	17	11.0	16.0		31.14	5.57	30.90	7.57
		18	16.0	21.0		12.04	5.18	48.41	13.09

DIAMOND DRILL RECORD

PROPERTY..... HOLE No.....

SHEET NUMBER..... SECTION FROM..... TO..... STARTED.....

LATITUDE..... DATUM..... COMPLETED.....

DEPARTURE..... BEARING..... ULTIMATE DEPTH.....

ELEVATION..... DIP..... PROPOSED DEPTH.....

DEPTH FEET	FORMATION HOLE NUMBER	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
						Fe	Ti	Insol	L O I
	46	19	47.0	52.0		26.65	4.89	29.47	10.03
		20	52.0	57.0		38.53	7.92	24.96	5.31
		21	57.0	61.5		32.59	6.05	26.44	6.87
	47	22	40.7	43.5		32.91	5.90	24.68	8.50
	51	23	150.0	152.0	3.52	23.98	6.81	34.52	11.76

DIAMOND DRILL RECORD

PROPERTY..... HOLE No.....

SHEET NUMBER..... SECTION FROM..... TO..... STARTED.....

LATITUDE..... DATUM..... COMPLETED.....

DEPARTURE..... BEARING..... ULTIMATE DEPTH.....

ELEVATION..... DIP..... PROPOSED DEPTH.....

DEPTH FEET	FORMATION HOLE NUMBER	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
						Fe	Ti	Insol	I.O.I
	52	24	6.5	13.5		17.43	6.30	49.15	12.14
		25	13.5	16.0		44.92	8.45	26.40	3.18
		26	16.0	23.6		6.39	2.20	56.48	14.13
	54	27	75.0	79.9	4.10	27.42	6.71	32.64	11.28

DIAMOND DRILL RECORD

PROPERTY..... HOLE No.....

SHEET NUMBER..... SECTION FROM..... TO..... STARTED.....

LATITUDE..... DATUM..... COMPLETED.....

DEPARTURE..... BEARING..... ULTIMATE DEPTH.....

ELEVATION..... DIP..... PROPOSED DEPTH.....

DEPTH FEET	FORMATION HOLE NUMBER	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
						Fe	Ti	Imsol	L.O.I
	55	28	9.0	14.0		22.78	5.47	43.98	9.14
		29	14.0	19.0		12.55	3.13	58.35	9.48
		30	19.0	24.0		12.07	3.59	60.41	9.21
		31 & 32	24.0	34.0		11.03	2.60	57.95	10.38
		33	34.0	41.5		15.53	5.27	38.70	16.55

DIAMOND DRILL RECORD

PROPERTY..... HOLE No.....

SHEET NUMBER..... SECTION FROM..... TO..... STARTED.....

LATITUDE..... DATUM..... COMPLETED.....

DEPARTURE..... BEARING..... ULTIMATE DEPTH.....

ELEVATION..... DIP..... PROPOSED DEPTH.....

DEPTH FEET	FORMATION HOLE NUMBER	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
						Fe	Ti	Insol	L.O.I
	58	34	13.5	18.5		12.33	4.00	46.52	14.25
		35	18.5	23.4		24.17	7.79	30.14	13.46
	61	36	5.0	11.5		21.77	5.68	33.98	12.98
	65	37	61.0	63.5		19.69	6.33	35.89	11.94

DIAMOND DRILL RECORD

PROPERTY..... HOLE No.....

SHEET NUMBER..... SECTION FROM..... TO..... STARTED.....

LATITUDE..... DATUM..... COMPLETED.....

DEPARTURE..... BEARING..... ULTIMATE DEPTH.....

ELEVATION..... DIP..... PROPOSED DEPTH.....

DEPTH FEET	FORMATION HOLE NUMBER	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
						Fe	Ti	Insol	L.O.I
	67	38	33.0	35.0		10.17	3.47	46.78	13.81
		39	40.0	42.0		22.09	6.10	29.10	13.52
	70	40	113.0	120.9		41.22	8.36	21.18	4.90

DIAMOND DRILL RECORD

PROPERTY..... HOLE No.....

SHEET NUMBER..... SECTION FROM..... TO..... STARTED.....

LATITUDE..... DATUM..... COMPLETED.....

DEPARTURE..... BEARING..... ULTIMATE DEPTH.....

ELEVATION..... DIP..... PROPOSED DEPTH.....

DEPTH FEET	FORMATION HOLE NUMBER	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
						Fe	Ti	Insol	L.O.I
	72	41	48.0	50.8		16.30	3.30	42.33	11.95
	74	42	32.5	37.8		20.70	4.70	35.86	12.22
		43	42.7	48.5		37.41	6.82	21.40	6.38
		44	48.5	55.5		14.83	2.85	40.90	4.14

Iron Flats - Assays

ECONOMIC MINERALS

FILE REPORT No.

FE-AF-005(03)

Hole No	Ft/e	Probable O ₂	insoluble	L. O. I.	Fe.	TiO ₂
IF # 1	4.0 - 9.0	25.00 %	29.77	9.74	30.1	5.39
	9.0 - 13.0	25.91	44.02	16.78	11.2	2.09
	14.0 - 16.4	21.91	55.24	11.66	10.4	1.71
	19.6 - 24.8	23.96	53.02	16.06	6.7	1.26
IF # 2	7.3 - 10.9	23.53	31.10	7.32	32.1	5.96
	12.9 - 17.9	23.23	50.85	14.36	9.8	1.76
	17.9 - 20.0	20.52	54.08	10.16	13.2	2.04
	24.1 - 29.5	25.52	48.82	17.70	6.7	1.26
IF # 3	1.5 - 5.0	22.51	49.82	12.96	12.8	1.91
	5.0 - 10.0	25.11	31.70	10.58	27.7	4.91
	10.0 - 15.0	25.17	48.03	17.72	7.9	1.18
IF # 4	8.0 - 13.0	25.37	47.44	18.20	7.5	1.49
IF # 5	0.6 - 5.6	24.93	23.72	6.90	37.6	6.85
	5.6 - 11.2	25.13	30.92	10.78	28.1	5.07
IF # 9	3.4 - 8.4	26.34	24.80	9.96	32.9	6.00
	8.4 - 13.4	23.84	48.80	13.34	11.9	2.12
	16.5 - 21.5	24.68	52.34	18.02	4.2	0.76
IF # 10	2.6 - 8.6	24.65	22.80	5.36	40.7	6.49
IF # 11	34.0 - 39.0	19.47	54.20	10.26	13.2	2.87
	39.0 - 44.0	27.61	33.07	13.54	21.9	3.88
	44.0 - 49.0	27.07	38.31	14.90	16.8	2.92
	49.0 - 58.0	25.75	26.05	7.16	35.4	5.64
IF # 12	7.5 - 12.5	19.15	55.82	11.06	11.8	2.17
	12.5 - 18.2	24.82	46.09	15.40	11.6	2.09

Hole No.	Ftge	Probable O ₂	insoluble	L.O.I	Fc	T.O ₂
IF #12	19.9 - 22.0	18.51	61.40	11.86	7.1	1.13
	26.5 - 31.5	25.08	48.49	17.62	7.4	1.41
IF #13	11.9 - 16.9	26.11	47.93	18.60	6.2	1.16
	31.9 - 34.9	26.30	48.65	19.62	4.5	0.93
IF #15	27.6 - 33.1	25.21	26.94	8.06	34.2	5.59
	33.1 - 39.1	24.06	42.28	11.38	19.1	3.18
	42.0 - 47.0	23.73	53.25	15.46	6.5	1.06
IF #17	27.0 - 34.2	19.22	47.11	8.54	20.8	4.33
IF #18	45.6 - 54.3	25.03	50.70	17.36	5.9	1.01
IF #31	51.0 - 56.0		37.74	11.06	21.42	5.49
	56.0 - 61.0		17.68	5.68	44.28	6.58
	61.0 - 65.4		31.90	13.22	23.21	4.46
IF #34	81.2 - 86.2		38.12	10.48	21.74	4.14
IF #35	50.4 - 54.0		23.06	10.56	33.81	7.81
	19.0 - 25.0		46.04	9.24	19.34	4.26
	25.0 - 31.8		38.88	11.28	20.94	4.34
IF #36	31.8 - 36.8		16.72	4.34	47.80	8.95
	36.8 - 41.0		16.66	3.89	46.84	8.62
	41.0 - 45.6		41.92	11.78	17.58	4.25
IF #38	10.5 - 18.6		27.78	8.72	32.53	5.88
IF #41	47.0 - 52.0		56.43	12.87	7.62	1.57
	65.0 - 68.0		13.28	.66	51.29	10.98
	68.0 - 73.0		34.15	11.30	22.55	4.88
	73.0 - 78.0		42.10	13.13	14.45	3.24

Hole No.	Ftge	insoluble	L.O.I.	Fe	TiO ₂	
IF # 42	95.5-102.0	27.86	7.21	27.01	5.99	
	—	30.69	11.99	—	4.24	
IF # 45	11.0-16.0	30.90	7.57	31.14	5.57	
	16.0-21.0	48.41	13.09	12.04	5.18	
IF # 46	47.0-52.0	29.47	10.03	26.65	4.89	
	52.0-57.0	24.96	5.31	38.53	7.92	
	57.0-61.5	26.44	6.87	32.59	6.05	
IF # 47	40.7-43.5	24.68	8.50	32.91	5.90	
IF # 51	150.0-152.0	34.52	11.76	23.98	6.81	
IF # 52	6.5-13.5	49.15	12.14	17.43	6.30	
	13.5-16.0	26.40	3.18	14.92	8.45	
	16.0-23.6	56.48	14.13	6.39	2.20	
IF # 54	75.0-79.9	32.64	11.28	27.42	6.71	
IF # 55	9.0-14.0	43.98	9.14	22.78	5.47	
	14.0-19.0	58.35	9.48	12.55	3.13	
	19.0-24.0	60.41	9.21	12.07	3.59	
	24.0-34.0	57.95	10.38	11.03	2.60	
	34.0-41.5	38.70	16.55	15.53	5.27	
IF # 58	13.5-18.5	46.52	14.25	12.33	4.00	
	18.5-23.4	30.14	13.46	24.17	7.79	
IF # 61	5.0-11.5	33.98	12.98	21.77	5.58	
IF # 65	61.0-63.5	35.89	11.94	19.69	6.33	
IF # 67	33.0-35.0	46.78	13.81	10.17	3.47	
	40.0-42.0	29.10	13.52	22.09	6.10	

Hole No.	Ftge.	Insoluble	L.O.I.	Fe	TiO ₂
IF # 70	113.0-120.9	21.18	4.90	41.22	8.36
IF # 72	- ?	42.33	11.95	16.30	3.30
IF # 74	- ?	35.86	12.22	20.70	4.70
	- ?	21.40	6.38	37.41	6.82
	- ?	40.90	4.14	14.83	2.85
	- ?	63.14	5.77	12.39	2.15

Iron Flats - elevations on top and base of
magnetite horizon from field notes

corehole	top	base	thick	ground elev.				
1	4'	17'	13					
2	4'	24'	20					
3	2'	10'	8					
- 4								
5	1'	11'	10					
6								
7								
8								
9	3'	14'	11					
10								
11	34'	58'	24			Dunbarwin Creek		
12	8'	22'	14					
13	14'	25'	11					
14						av. 13.6 feet		
15	27'	40'	13					
16								
17	27'	34'?	7					
18	26'	45'	19					
24								
25								
27								
28								
29								
30								
✓ 31	51'	65'	14					
✓ 32	38'	41'	3					
✓ 33	56'	70'	14					
✓ 34	80'	86'	6					
✓ 35	47'	55'	8					
✓ 36	19'	46'	27					
✓ 37	8'	14'?	6					
✓ 38								
✓ 39	0'	3'	3					
✓ 40	1'	6'	5					
✓ 41	47'	79'?	32					
✓ 42	96'	103'	7					
43								
✓ 44	13'	14'?	1					

36' gravel, then basal ss.

base mag. ²⁰ not exposed

not found ~~14'~~

Section 0 † 00Base LineHole I.F. #1Rig #1

0	-	4	Dirt & Float Rock
4	-	6	Mag. Ore
6	-	8	" "
8	-	9.8	" "
9.8	-	11.4	" "
11.4	-	13.4	" "
13.4	-	14	Sandstone
14	-	14.8	"
14.8	-	16	Hard Grey S. S.
16	-	16.3	" " "
16.3	-	17.3	Shaley S. S.
17.3	-	18	Hard Grey S. S.
18	-	19.6	Shaley S. S.
19.6	-	22.2	Hard Grey S. S.
22.2	-	25.2	" " "
25.2	-	32.8	Soft Brown S. S.
32.8	-	37	" " "
37	-	47	" " "
47	-	57.57	" " "

End of Hole

Section 0 † 00 100RHole I.F. #2Rig #2

0	-	4.3	Dirt & Float Rock
4.3	-	6.3	Mag. Ore
6.3	-	7.3	Mag. Ore & S. S.
7.3	-	8.9	" "
8.9	-	10.9	" "
10.9	-	12.9	" "
12.9	-	14.2	" "
14.2	-	16.7	Lean Ore
16.7	-	20.8	" "
20.8	-	22.5	" "
22.5	-	24.1	" "
24.1	-	26.5	" "
26.5	-	28.1	" "
28.1	-	30.1	" "
30.1	-	37.7	Soft Brown S. S.

End of Hole

Permit No 5

Section 0 † 00 100 L

Hole I.F. #3 Rig #1

0 - 1.5 Dirt & Float Rock
1.5 - 3 Mag. Ore (Cuttings Recovered)
3 - 5 " "
5 - 7 " "
7 - 9 " "
9 - 11 " " & Soft Brown S. S.
11 - 13 " " " " "
13 - 16 Hard Sandstone to Soft S. S.
16 - 22 Shaley Sandstone
22 - 27 " "
End of Hole

Section 0 † 00 200 R

Hole I.F. #4 Rig #1

0 - 4 Dirt and Float
4 - 5.7 Mag. Ore
5.7 - 8 " "
8 - 10 " " & Soft S. S.
10 - 12 Grey S. S. Hard
12 - 13.7 " " to Brown S. S.
13.7 - 21.8 Soft Brown S. S.
End of Hole

Section 1 † 00 100 R Hole I.F. #5 Rig #2

0 - .6 Dirt
.6 - 4 Mag. Ore (Cutting Recovered)
4 - 6.2 Lean Ore & S. S.
6.2 - 6.7 " " "
6.7 - 8.5 Mag. Ore
8.5 - 10 " "
10 - 12 " "
End of Hole

Section 1 † 00 200 R

Hole I.F. #6 Rig #1

0 - 7 Dirt & Float Rock
7 - 7.2 Mag. Ore (No Recovery)
7.2 - 29 Soft Brown S. S. (Too Soft to Core)
9 - 21.5 " " "
End of Hole

Section 2 † 00 Base Line

Hole I.F. #7 Rig #1

0 - 5 Dirt & Float Rock
5 - 7 Soft Brown S. S. with Hard Bands
7 - 9 " " " too soft to core
9 - 11 Clay & Soft Brown S. S.
11 - 13 Clay & " " "

Hole I.F. #7 Continued

13 - 13.6 Clay
 13.6 - 13.9 Clay (Black tarry)
 13.9 - 15 Soft Grey Shale
 15 - 16.6 Grey Shale
 16.6 - 19.3 Soft Grey Shale
 19.3 - 22.3 Med. Hard Grey Shale
 22.3 - 31.6 " " " "
 End of Hole

Section 2 † 00 500 R

Hole I.F. #8 Rig #2

0 - 27.4 Dirt & Float Rock
 27.4 - 28 Float Rock
 28 - 36 Soft Brown Sandstone
 36 - 46 " " "
 End of Hole

Section 1 † 00 Base Line

Hole I.F. #9 Rig #2

0 - 3.4 Dirt & Float Rock
 3.4 - 5.2 Mag. Ore
 5.2 - 7.2 " "
 7.2 - 9.2 " "
 9.2 - 11.2 Sandstone
 11.2 - 11.4 Mag. Ore
 11.4 - 12.8 Sandstone
 12.8 - 17.5 Mage Ore (1') Clay (1.6') Lean Ore (.8')
 17.5 - 19.9 Lean Ore & Sandstone
 19.9 - 20.5 Soft Brown Sandstone
 20.5 - 25 " " "
 End of Hole

Section 2 † 00 50 L

Hole I.F. #10 Rig #1

0 - 2.6 Ore Cuttings. Place in Core Box.
 2.6 - 4.6 Mag. Ore
 4.6 - 6.6 Mag. Ore
 6.6 - 6.9 " "
 6.9 - 8.6 Soft Brown S. S.
 8.6 - 10.6 " " "
 End of Hole

Section 2 † 00 100 R

Hole I.F. #11 Rig #1

0 - 34.4 Dirt & Float Rock (Hole cased 34')
 34 - 36.5 Mag. Ore
 36.5 - 36.7 Clay Band
 36.7 - 40.7 Mag. Ore
 40.7 - 42.7 " "

Hole I.F. #11 Continued

42.7 - 43.7	Mag. Ore
43.7 - 44.7	Hard Grey S. S.
44.7 - 47.3	Lean Mag. Ore
47.3 - 48.3	Lean " "
48.3 - 49.7	Mag. Ore
49.7 - 50.3	" "
50.3 - 52.7	Lean Ore & Soft Brown S. S.
52.7 - 55.7	" " to Ore
55.7 - 59.3	Ore & Clay
59.3 - 63.9	Grey Sandstone
63.9 - 65.9	" "
65.9 - 69.9	Soft Grey Sandstone
69.9 - 71.9	" " "
71.9 - 74.5	" " "
74.5 - 77.1	" " "
77.1 - 80.1	" " "
End of Hole	

Section 2 † 00 200 R

Hole I.F. #12

Righ#12

0 - 7.5	Dirt & Float (Hole Cased 7.5')
7.5 - 9.5	Mag. Ore
9.5 - 11.5	" "
11.5 - 13.5	" "
13.5 - 15.5	Lean Ore & Sandstone
15.5 - 17.5	" " "
17.5 - 19.9	" " "
19.9 - 21.5	Lean Ore
21.5 - 23.5	Sandstone and Clay
23.5 - 25.5	Lean Ore & Sandstone
25.5 - 26.5	Sandstone
26.5 - 28.4	Sandstone and Lean Ore
28.4 - 30.4	Lean Ore
30.4 - 33.3	Very lean Ore & Sandstone
33.3 - 35.4	Soft Brown Sandstone
35.4 - 40.8	" " "
40.8 - 45.4	" " "
End of Hole	

Section 2 † 00 300 R

Hole I.F. #13

Righ#2

0 - 11.9	Dirt & Float Rock (Hole Cased 11.9')
11.9 - 13.9	Hard Grey Sandstone
13.9 - 15.9	" " " with Mag. Band
15.9 - 17.9	Grey to Brown S. S. with Mag. Bands
17.9 - 19.9	Soft Brown S. S. " " "
19.9 - 21.9	" " " " " "
21.9 - 23.9	" " " " " "
23.9 - 25.9	Grey to Brown S. S. and Clay
25.9 - 27.9	Light " "
27.9 - 29.9	Brown to Grey Soft Sandstone

Hole I.F. #13 Continued

29.9 - 31.9 Grey to Brown Soft Sandstone
 31.9 - 33.9 " " " " "
 33.9 - 34.9 Grey S. S. (Soft)
 End of Hole

Section 4 † 00 100R

Hole I.F. #14 Rig #1

0 - 13 Dirt & Float (Hole Cased 13')
 13 - 22 Soft Brown S. S. and Float Rock
 22 - 26 " " " " "
 26 - 28 " " "
 28 - 30 " " "
 30 - 33 " " "
 End of Hole

Section 4 † 00 200 R

Hole I.F. #15 Rig #1

0 - 19 Dirt & Float
 19 - 23 Clay and Sandstone
 23 - 27 Soft Brown Sandstone
 27 - 27.6 Lean Ore
 27.6 - 29.6 Mag. Ore
 29.6 - 31.3 Mag. Ore to Lean Ore
 31.3 - 33.1 Brown to Grey S. S. with Mag. Bands
 33.1 - 35.3 " " " " " "
 35.3 - 37.3 Hard Grey S. S. to Mag. Ore
 37.3 - 39.1 " " " "
 39.1 - 40.1 " " " to Clay
 40.1 - 42.3 " " " to Soft Grey S. S.
 42.3 - 45.9 " " " to .3' Lean Ore
 45.9 - 47.9 Lean Ore to Hard Grey S. S.
 47.9 - 50.3 " " "
 50.3 - 55.3 Grey S. S. Hard to Soft
 55.3 - 60 Soft Grey to Brown S. S.
 End of Hole

Section 2 † 00 400 R

Hole I.F. #16 Rig #2

0 - 21 Dirt & Float Rock (Hole Cased 21')
 21 - 23 Brown Sandstone
 23 - 25 Soft Brown Sandstone
 25 - 27 " " "
 27 - 29 " " "
 29 - 31 " " "
 End of Hole

Section 4 † 00 400 R

Hole I.F. #17 Rig #2

0 - 27 Dirt & Float (Hole Cased 27')

Hole I.F. #17 Continued

27	-	28.6	Lean Ore and Soft S. S.
28.6	-	29.6	" " " " "
29.6	-	30.6	" " " " "
30.6	-	32.2	Very Lean Ore and Soft S. S.
32.2	-	34.2	Soft Brown S. S. with Ore
34.2	-	36	Broken Brown S. S. and Lean Ore
36	-	37.8	Hard Grey S. S. with Mag. Bands
37.8	-	39.8	Soft Brown S. S.
39.8	-	41.8	" " "
41.8	-	43.8	Medium Hard Brown S. S.
43.8	-	45.8	" " " "
45.8	-	47.8	Grey to Brown S. S. with Mag. Bands
47.8	-	49.4	Grey to Brown S. S.
49.4	-	51.4	Hard Grey S. S. with Mag. Bands
51.4	-	53.1	" " " " " "
53.1	-	54	" " " " " "
54	-	56.2	Hard to Soft Grey S. S.
56.2	-	58.2	" " " " "
58.2	-	60.2	Soft Grey S. S.
60.2	-	62.2	" " "
End of Hole			

Section 4 † 00 300 R

Hole I.F. #18 Rig #1

0	-	22	Dirt & Float Rock (Hole Cased 22')
22	-	24	Soft Brown Sandstone
24	-	26	Medium Hard Brown Sandstone
26	-	28	Brown S. S. with Mag. Bands
28	-	31.5	Soft Brown Sandstone
31.5	-	32.5	Soft to Hard Grey S. S.
32.5	-	34.8	Grey to Soft Brown S. S.
34.8	-	37.5	Grey Sandstone with Mag. Bands
37.5	-	39.3	Brown to Grey Sandstone with Mag. Bands
39.3	-	41.8	Grey Sandstone to Soft Brown S. S. Mag. Bands
41.8	-	45.6	Soft Brown S. S. to Grey S. S. and Ore
45.6	-	47.3	Broken Hard Blk. Shale to Grey S. S.
47.3	-	49.9	Hard Grey Sandstone
49.9	-	52.9	" " " with Mag. Bands
52.9	-	55.9	Hard Grey S. S. to Soft Brown S. S.
55.9	-	59.7	Brown S. S. to Soft Brown S. S.
End of Hole			

Section 4 † 00 500 R

Hole I.F. #19 Rig #2

0	-	18.5	Dirt & Float Rock (Hole Cased 18.5')
18.5	-	20.5	Soft Brown S. S.
20.5	-	22.2	Clay
22.5	-	24.5	Soft Shale
24.5	-	30	Soft Brown Sandstone
30	-	32	" " "
End of Hole			

Section 8 † 00 200 R

Hole I.F. #20 Rig #1

0 - 21 Dirt & Float
21 - 42 Gravel
42 - 61 Clay with Gravel Stringers
61 - 70 Soft Grey Shale
End of Hole

Section 12 † 00 200 R

Hole I.F. #21 Rig #1

0 - 24 Dirt & Float
24 - 49 Loose and Cemented Gravel
49 - 71 Gravel with Br. Clay Stringers
71 - 82 Clay & Shale
82 - 95 Soft Grey Shale
95 - 100.6 Hard to Soft Grey Shale
End of Hole

Section 12 † 00 Base Line

Hole I.F. #22 Rig #2

0 - 18 Dirt & Float
18 - 51 Gravel
51 - 100 Clay with Gravel Stringers
100 - 120.3 Soft Grey Shale
End of Hole

Section 16 † 00 Base Line

Hole I.F. #23 Rig #2

0 - 25 Dirt & Gravel
25 - 45 Gravel Fine to Coarse
End of Hole

Section 20 † 00 300 L

Hole I.F. #24 Rig #2

0 - 18 Dirt & Float
18 - 50 Gravel
50 - 88 Gravel and Sandy Clay Band
88 - 104 Dark Grey Medium Hard Shale
104 - 124 Hard Shale with Soft Stringers
124 - 150 Soft Grey Shale Hard Stringers
End of Hole

Section 24 † 00 300 L

Hole I.F. #25 Rig #1

0 - 18 Dirt & Float
18 - 60 Gravel and Clay Bands
60 - 82 Brown Clay with Gravel Bands

Hole I.F. #25 Continued

82	-	100	Soft Grey Shale with Hard Bands
100	-	160	" " " " " "
End of Hole			

Section 28 † 00 600L

Hole I.F. #26 Rig #2

0	-	16	Dirt, Clay & Float Rock
16	-	30	Fine to Coarse Gravel
End of Hole			

Section 32 † 00 Base Line

Hole I.F. #27 Rig #2

0	-	27	Dirt, Clay & Float Rock
27	-	91	Gravel and Stringers of Clay
91	-	101	Clay and Gravel
101	-	102	Med. Hard Grey Shale with Clay Bands
102	-	104	" " " " " "
104	-	106	" " " " " "
106	-	108	" " " " " "
108	-	110	" " " " " "
110	-	112	" " " " " "
End of Hole			

Section 36 † 00 Base Line

Hole I.F. #28 Rig #1

0	-	30	Dirt, Clay & Float Rock
30	-	62	Sandy Brown Clay with Gravel Stringers
62	-	77	Hard Sandy Clay
77	-	78.6	" S. S. Band
78.6	-	82	Soft Brown Sandstone
82	-	85	Med. Hard Grey Shale
85	-	87.7	Hard Grey S. S.
87.7	-	91.6	Hard Grey S. S.
91.6	-	96.3	Hard Grey S. S. with Clay Bands
96.3	-	101.6	Grey S. S. with Shale band: to Shale to Sandstone
101.6	-	106.4	M. Hard Grey S. S. to Grey Shale
106.4	-	110.1	" " " " with Clay and Shale
110.1	-	115	" " " " " "
115	-	120	" " " " " "
120	-	126	" " " " " "
End of Hole			

Section 36 † 00 400 R

Hole I.F. #29 Rig #2

0	-	30	Dirt, Clay, & Float Rock
30	-	52	Gravel
52	-	59	Sandy Clay
59	-	62	Soft Brown S. S. with Clay
62	-	64	" " " " "

Hole I.F. #29 Continued

64 - 68 Soft Brown S. S. with Clay
68 - 70 " " " " "
70 - 73 Soft Brown S. S. to Cley to Grey Shale
End of Hole

Section 40 † 00 600 R

Hole I.F. #30 Rig #1

0 - 22 Dirt, Clay & Float Rock
22 - 25 Gravel
25 - 31 Soft Sandy Brown Clay with Hard Bands
31 - 32 Gravel and Sandy Brown Clay
32 - 35 Soft Sandy Brown Clay
35 - 40.6 Soft Brown S. S.
40.6 - 45.6 1' Hard Grey S. S. to Soft Brown S. S.
45.6 - 47 Soft Brown S. S.
47 - 51 " " "
51 - 56 " " "
56 - 60.1 Soft Brown S. S. to Hard Grey S. S. to Med. Hard Br. S.S.
End of Hole

Section 40 † 00 300 R

Hole I.F. #31 Rig #1

0 - 25 Sandy Clay Brown
25 - 31 Gravel with Clay Bands
31 - 43 Stringers black and Brown Clay
43 - 49 Clay and Soft Brown S. S.
49 - 51 Hard Blue S. S. and Black Clay Bands
51 - 54 Mag. Ore (Badly Broken) with Clay Bands
54 - 55 Mag. Ore to Sandy Black Clay (Magnetic)
55 - 56.2 Mag. Ore to .1' of black Clay
56.2 - 58.1 Mag. Ore
58.1 - 60.5 Mag. Ore
60.5 - 62.4 Mag. Ore
62.4 - 65.4 Mag. Ore
65.4 - 68.2 Hard Grey and Brown S. S. (with some magnetite)
68.2 - 75.2 Hard to Med. hard Grey S. S.
75.2 - 80.2 Soft Grey S. S.
End of Hole

Section 40 † 00 1900 L

Hole I.F. #32 Rig #2

0 - 13 Dir, Clay & Float Rock
13 - 38 Gravel with Clay Bands
38 - 39.6 Lean Ore
39.6 - 41.6 Lean Ore to Soft Brown S. S. with Mag.
41.6 - 43.6 Hard Brown to Grey S. S. with some Mag.
43.6 - 45.6 Hard Grey S. S.
45.6 - 47.6 Soft Brown S. S. with Mag. Bands
47.6 - 49.6 " " "
49.6 - 51.6 Med. Hard Brown S. S. with Soft Brown S. S.
End of Hole

Section 40 † 00 2100 L

Hole I.F. #33 Rig #2

0	-	6	Dirt, Clay & Float Rock
6	-	43	Gravel with Clay Bands
43	-	47	Soft Brown S. S.
47	-	56	Soft Grey Shale
56	-	57.5	Hard Grey S. S. Mag. Bands
57.5	-	59.2	" " " with some Mag.
59.2	-	61.5	" " " " " "
61.5	-	64.5	" " "
64.5	-	70.5	Hard Grey S. S. to Soft Grey S. S.
70.5	-	73	Hard Grey S. S. (with some Mag.) to Soft Clayey S. S.
73	-	75.5	" " " " " "
75.5	-	82	" " " " " "
82	-	84.5	" " " " " "
84.5	-	91.5	Med. Hard Grey S. S.
91.5	-	99	" " " "
99	-	105.6	Med. Hard Grey S. S. to Hard Shale to Hard Grey S. S.
105.6	-	110	Hard Grey S. S.
110	-	119	" " "
119	-	127	" " "
127	-	146.5	" " "
End of Hole			

Section 40 † 00 200 L

Hole I.F. #34 Rig #1

0	-	20	Clay & Float Rock
20	-	43	Gravel with Clay Bands
43	-	50	Boulders, Clay & Gravel
50	-	60	Soft Brown Clay
60	-	72	Soft Blue Clay
72	-	76	Hard Grey S. S. (with some Mag.) to Clayey dirt.
76	-	78.5	" " " with black clayey dirt and Brown Clay.
78.5	-	79.5	Hard Grey S. S.
79.5	-	85	Hard Grey S. S. to Mag. Ore (3')
85	-	87.5	" " " to Brown S. S.
87.5	-	94.5	Med. Soft Grey S. S. to 1' Ore to Soft Brown S. S.
94.5	-	99	Soft Grey S. S.
99	-	103	Soft " "
103	-	106.4	" " "
106.4	-	109.4	" " "
End of Hole			

Section 44 † 00 100 R

Hole I.F. #35 Rig #1

0	-	18	Soft Brown Clay & Float Rock
18	-	22	Soft Grey S. S.
22	-	24	Soft Black Clay
24	-	47	Soft Grey Shale
47	-	47.7	Mag. Ore (Lean)
47.7	-	49.7	Hard Grey S. S. with Mag.
49.7	-	50.9	Brown Clay to black Shale to Mag. Ore

Hole I.F. #35 Continued

50.9 - 55 Mag. Ore
55 - 56 Hard Grey S. S. (Some Mag.)
56 - 59 " " " (Some Mag. Bands)
59 - 64 " " " " " "
64 - 71 Soft Grey S. S.
71 - 76 " " "
76 - 81 Med. Hard Grey S. S.
End of Hole

Section 44 † 00 500 R

Hole I.F. #36 Rig #2

0 - 19 Clay & Float Rock
19 - 21 Hard Grey S. S. (Magnetic)
21 - 23 Mag. Ore to Hard Grey S. S.
23 - 25 Mag. Ore and Hard Grey S. S.
25 - 27 Mag. Ore " " " "
27 - 28.8 Mag. Ore " " " "
28.8 - 30.8 Mag. Ore " " " "
30.8 - 32.8 Mag. Ore
32.8 - 34.5 Mag. Ore
34.5 - 41 Mag. Ore
41 - 44 Hard Grey S. S. (Mag. Bands)
44 - 45.6 Mag. Ore
45.6 - 47.4 Hard Grey S. S.
47.4 - 52.4 " " "
52.4 - 61.4 Soft Grey S. S. to Hard Grey S. S.
End of Hole

Section 56 † 00 600 R

Hole I.F. #37 Rig #1

0 - 7.6 Clay & Float Rock
7.6 - 8.6 Mag. Ore to Brown S. S.
8.6 - 10 Mag. Ore to Brown S. S.
10 - 11.2 Grey to Brown Med. Hard S. S.
11.2 - 13 Hard Brown & Grey S. S.
13 - 21.7 Hard Grey S. S. to Soft Brown S. S.
End of Hole

Section 60 † 00 600 R

Hole I.F. #38 Rig #2

0 - 10.5 Dirt, Clay & Float
10.5 - 13.5 Mag. Ore and mag. Black Clay
13.5 - 17 Mag. Ore to Hard Grey S. S.
17 - 18.6 Hard Grey S. S. Some Mag.
End of Hole

Section 60 † 00 800 R

Hole I. F. #39 Rig #1

0 - 2 Mag. Ore
 2 - 3.8 Clay to
 3.8 - 5.6 Hard Grey S. S.
 5.6 - 7.6 Soft Brown S. S.
 7.6 - 30 Soft Brown S. S.
 30 - 31 Hard Grey S. S.
 31 - 33 Soft Grey S. S.
 End of Hole

Section 56 † 00 750 R

Hole I.F. #40 Rig #1

0 - 1 Dirt
 1 - 2.5 Mag. Ore (Cuttings Recovered)
 2.5 - 3 Hard Grey S. S. (Some Mag.)
 3 - 4.7 Mag. Ore Bands (Soft Brown S. S. band)
 4.7 - 6.7 Soft Brown S. S. to Hard Grey S. S. (Mag. Bands)
 6.7 - 7.5 Med. Hard Grey S. S. to Soft Brown S. S.
 7.5 - 9.5 " " " " " " " "
 9.5 - 11 Soft Brown S. S. to Med. Hard Grey S. S.
 11 - 13 " " " " " " " "
 13 - 15 Med. Hard Brown S. S.
 15 - 17 Soft Brown S. S.
 17 - 19.2 Soft to Med. Hard Brown S. S.
 19.2 - 21.2 " " " " " "
 21.2 - 24.2 " Brown S. S. to Hard Grey S. S.
 24.2 - 36.6 Soft Brown S. S.
 36.6 - 42 " " with Hard Grey S. S. Stringers
 42 - 55 Med. Hard Grey S. S.
 55 - 60 Blue Shale
 60 - 68 Hard Grey S. S.
 68 - 74 Hard Black Shale
 74 - 80 Hard Grey S. S.
 End of Hole

Section 64 † 00 300 R

Hole I.F. #41 Rig #2

0 - 26 Clay
 26 - 41 Grey Shale
 41 - 47 Med. Hard Grey S. S.
 47 - 53 Hard Grey S. S. with Mag. Bands
 53 - 61 Hard Grey S. S. (Mag. Bands 58 - 61)
 61 - 65 Hard Grey S. S.
 65 - 68 Mag. Ore
 68 - 71 Hard Grey S. S. Some Mag.
 71 - 74 Hard Grey S. S. (Some heavy Mag. Bands)
 74 - 79 " " " " " "
 79 - 84 Hard Grey S. S.
 End of Hole

Section 68 † 00 300 R

Hole I.F. #42 Rig #1

0 - 18 Clay and Float Rock
18 - 24 Broken Shale Rock
24 - 35 Soft Dark Brown Clay
35 - 36 Coal
36 - 85 Soft Brown Shale with S. S. Stringers
85 - 95.5 Hard Grey S. S.
95.5 - 101 Mag. Ore
101 - 103 Hard Grey S. S. (Some Mag. Bands)
103 - 104.7 " " "
104.7 - 106.5 " " "
106.5 - 111.5 Hard Grey S. S. to Med. Hard Grey S. S.
End of Hole

Section 68 † 00 Base Line

Hole I.F. #43 Rig #2

0 - 18 Clay
18 - 23 Gravel
23 - 27 Sandy Brown Clay
27 - 58 Soft Grey S. S.
58 - 103 Soft Black and Grey Shale
103 - 111 Soft Black Shale to Clay & Coal
111 - 120 " " " " " and Black Shale
120 - 127 " Black Shale and Coal
End of Hole

Section 72 † 00 600 L

Hole I.F. #44 Rig #1

0 - 12.5 Clay & Gravel
12.5 - 13 Mag. Ore
13 - 16 Soft Brown S. S. to Soft Grey S. S.
16 - 54 Med. Hard Grey S. S.
End of Hole

Section 76 † 00 200 R

Hole I.F. #45 Rig #1

0 - 11 Clay, Gravel and Broken S. S.
11 - 14 Mag. Ore
14 - 16.5 Hard Grey S. S. (Some Mag. Bands)
16.5 - 19 Hard Brown S. S.
19 - 21 Hard Grey S. S. (Some Mag. Bands)
21 - 24.5 Soft Brown S. S. to blk. Clay & Coal
24.5 - 27.4 Blk. Clay to Soft Brown S. S. to Med. Hard Brown S. s.
27.4 - 30.6 Hard Grey Siderite S. S. (Some Mag. Bands) to clay
30.6 - 32.4 Clay to Hard Grey Siderite S. S.
32.4 - 35.2 Med. Hard Brown S. S. to Soft Grey S. S.
35.2 - 39.7 Soft Grey S. S. to Med. Hard Grey S. S.
End of Hole

Section 80 + 00 600 R

Hole I.F. #46 Rig #2

0 - 23 Clay & Gravel
 23 - 27 Sandy Grey Shale
 27 - 32 Brown Clay with Gravel
 32 - 45 Soft Grey S. S.
 45 - 47 Hard Grey S. S.
 47 - 53 Hard Grey S. S. to Mag. Ore (5')
 53 - 55.5 Hard Grey S. S. (Some Mag. Bands)
 55.5 - 57.5 " " " to Mag. Ore
 57.5 - 61.5 Mag. Ore to Hard Grey S. S. (Some Mag.)
 61.5 - 63.5 Hard Grey S. S. (Some Mag.)
 63.5 - 67 Soft Grey S. S.
 End of Hole

Section 72 + 00 800 L

Hole I.F. #47 Rig #1

0 - 26 Clay & Float Rock
 26 - 30 Med. Hard Grey S. S.
 30 - 32 Hard Grey S. S.
 32 - 33.3 " " "
 33.2 - 35 Hard Grey S. S. to Med. Hard Grey S. S.
 35 - 38 Soft Grey S. S.
 38 - 44.5 Hard Grey S. S. to Mag. Ore (3') to Hard Grey S. S.
 44.5 - 46.7 Hard Grey S. S.
 46.7 - 50 Hard Grey S. S. to Soft Grey S. S.
 50 - 55 Soft Grey S. S.
 End of Hole

Section 68 + 00 400 L

Hole I.F. #48 Rig #2

0 - 2 Clay
 2 - 25 Gravel
 25 - 46 Soft Grey S. S.
 46 - 48 Hard Grey S. S. (Some Mag.)
 48 - 50 " " " (Mag. Bands)
 50 - 52 " " " (Some Mag.)
 52 - 54 " " " to Med. Hard Grey S. S.
 54 - 56 " " " (Some Mag.)
 56 - 58 " " "
 58 - 59 " " "
 59 - 61 " " "
 61 - 62.5 " " "
 62.5 - 66.2 " " " & Soft Grey S. S.
 66.2 - 69.5 Hard Grey S. S. to Mag. Ore (1') to Hard Grey S. S. (Some Mag.)
 69.5 - 74 Hard Grey S. S. (Some Mag.) to Clay & Coal to Med. Hard Gr.S.
 74 - 81 Med. Hard Grey S. S. to Hard Grey Shale
 End of Hole

Section 76 † 00 100 L

Hole I.F. #49 Rig #1

0 - 27 Clay & Boulders
27 - 52 Soft Brown & Grey S. S. with Shale Bands
52 - 60 Soft Black Shale
60 - 62.7 Hard Grey S. S. (Some Mag.)
62.7 - 66.7 Hard Grey S. S. to Blk. Clay and Coal (Magnetic)
66.7 - 67.5 Med. Hard Blk. Shale to Hard Grey S. S.
67.5 - 71 Hard Grey S. S. to black Clay & Coal
71 - 75.5 Hard Grey S. S. to Mag. Ore (2')
75.5 - 79.8 Hard Grey S. S. (Lean Mag. Bands)
79.8 - 87.8 Hard Grey S. S. (Mag. Bands) to Med Hard Grey S. S.
End of Hole

Section 72 † 00 100 R

Hole I.F. #50 Rig #1

0 - 9 Clay & Float Rock
9 - 13.5 Ore with Clay Bands
13.5 - 17 Brown Clay
17 - 26 Black Shale (Soft)
26 - 48 Blue Shale
48 - 130 Oily Black Shale
End of Hole

Section 80 † 00 Base Line

Hole I.F. #51 Rig #1

0 - 20 Clay & Float Rock
20 - 21 Band of Hard White S. S.
21 - 38 Med. Soft Brown S. S.
38 - 102 Med. Soft White S. S. with Shale Stringers
102 - 150 Hard Green Shale with Soft Grey S. S. Stringers
150 - 155 Mag. Ore (2.2') to Hard Grey S. S.
155 - 156.2 Hard Grey S. S. to Med. Hard Grey S. S.
156.2 - 158 Hard Grey S. S.
158 - 161 Hard Grey S. S. with Mag. Bands
161 - 165 " " " to Hard Blk. Shale (Some Mag. & Hard Grey S.S.)
End of Hole

Section 76 † 00 300 Right

Hole I.F. #52 Rig #2

0 - 6.5 Dirt, Clay & Float Rock
6.5 - 8.5 Hard Grey S. S. with Mag.
8.5 - 10.5 " " " " "
10.5 - 12.5 Mag. Ore
12.5 - 14.5 Mag. Ore (Rusty Color)
14.5 - 18.5 Mag. Ore 1.5 to Hard Grey S. S. (Some Mag.)
18.5 - 22.5 Hard Grey S.S. (Some Mag.) to Soft Br. S.S. to Hard Grey S. S. (Some Mag.)

Hole I.F. #52 Continued

22.5 - 23.5 Hard Grey S. S. (Some Mag.)
 23.5 - 28.5 Med. Hard Brown S. S. to Soft Br. S. S.
 28.5 - 30.5 Hard Grey S. S. to Med. Hard Brown S. S.
 30.5 - 33.5 Med. Hard Brown S. S. to Soft Brown S. S.
 End of Hole

Section 88 † 00 Base Line

Hole I.F. #53 Rig #1

0 - 15 Clay
 15 - 28 Soft Grey S. S.
 28 - 56 Soft Green & Black Shale
 56 - 65 Hard Grey S. S. with Shale Stringers
 65 - 72 Hard Dark Grey S. S.
 72 - 200 Med. Hard Black Shale with Hard Grey S. S. Stringers
 End of Hole

Section 80 † 00 400 R

Hole I.F. #54 Rig #1

0 - 10 Clay, Gravel and Float Rock
 10 - 26 Clay & Boulders
 26 - 39 Soft Grey S. S.
 39 - 75 Soft Black Shales
 75 - 78.5 Mag. Ore
 78.5 - 79.5 Mag. Ore
 79.5 - 82.5 Hard Grey S. S. (Some Mag. Bands)
 82.5 - 87 Hard Grey S. S. to Soft Black Shale
 87 - 92 Hard Grey S. S. to Soft Grey S. S.
 End of Hole

Section 72 † 30 100 R

Hole I.F. #55 Rig #2

0 - 9 Clay
 9 - 13 Mag. Ore
 13 - 15 Mag. Ore
 15 - 16.2 Mag. Ore
 16.2 - 17.2 Mag. Ore
 17.2 - 19.2 Hard Brown S. S. with Mag.
 19.2 - 21.2 Hard Grey S. S. " "
 21.2 - 23.2 1' " " " "
 23.2 - 28 Hard Brown S. S. with Mag. to Brown Clay with Mag.
 28 - 32 Hard Grey S. S. with Mag.
 32 - 34.5 Hard Grey S. S. with Mag.
 34.5 - 36 " " " " "
 36 - 38 " " " " "
 38 - 41 " " " " "
 41 - 45 Hard Grey S. S. to Clay and fine Graveling Ore
 45 - 51 Brown Clay
 51 - 55 Brown & Black Clay
 55 - 59 Med. Hard Black S. S. (Some Mag.)
 59 - 130 Oily Black Shale
 End of Hole

Section 84 † 00 800 R

Hole I.F. #56 Rig #1

0 - 26 Clay & Soft Grey S. S.
26 - 110 Soft Grey & Black Shale (Hard Stringers)
110 - 137 Hard Grey S. S.
137 - 144.5 Mag. Ore 1½' to Hard Grey S. S. (Some Mag.)
144.5 - 148.7 Hard Grey S. S.
End of Hole

Section 84 † 00 1200 R

Hole I.F. #57 Rig #1

0 - 31 Clay & Boulders
31 - 54 Blue & Grey Shale
54 - 59 Grey S. S.
59 - 131 Grey Shale with Grey S. S. Ledges
131 - 146 Soft Oily Black Shale
146 - 150 Hard Grey S. S.
End of Hole

Section 70 † 50 Base Line

Hole I.F. #58 Rig #1

0 - 2 Hard Grey S. S. with Mag.
2 - 4 " " " " "
4 - 6.3 " " " " "
6.3 - 8.5 " " " " "
8.5 - 10.5 " " " " "
10.5 - 11.8 " " " " "
11.8 - 13.8 " " " " "
13.8 - 15.2 " " " " "
15.2 - 17.2 " " " " "
17.2 - 19.2 Mag. Ore
19.2 - 20.5 " "
20.5 - 22.3 " "
22.3 - 23.4 " "
23.4 - 25.4 Hard Grey S. S. Some Mag. to Soft Brown Clay
25.4 - 27.4 " " " with clay Bands
27.4 - 29 " " " to Soft Brown Clay
29 - 30.7 " " " " " "
30.7 - 32.7 Soft Grey Sandy Clay to Blk. Oily Shale
32.7 - 60 Blk. Oily Shale
End of Hole

Section 76 † 00 400 R

Hole I.F. #59 Rig #2

0 - 20 Clay & Gravel
30 - 35 Soft Grey Shale
35 - 50 Oily Black Shale
50 - 140 Oily Black Shale
End of Hole

Section 68 + 00 1000L

Hole I.F. #60 Rig #1

0 - 23 Clay, Float Rock & Gravel
23 - 25 Hard Grey S. S. (Some Mag.)
25 - 27.8 " " " "
27.8 - 30.5 Med. Hard to Soft Brown S. S.
30.5 - 33 Soft Brown S. S. to Med. Hard Brown S. S.
33 - 41 Soft Grey S. S.
41 - 45.1 " " "
End of Hole

Section 64 + 00 1100 L

Hole I.F. #61 Rig #2

0 - 5 Clay & Float Rock
5 - 7 Mag. Ore
7 - 9 Hard Grey S. S. (Some Mag.)
9 - 11 Mag. Ore
11 - 11.5 Mag. Ore
11.5 - 18 Soft Brown S. S.
18 - 20 Med. Hard Brown S. S.
20 - 22 " " " "
22 - 27 Soft Brown S. S.
27 - 31 Med. Hard Brown S. S.
31 - 36 " " " "
36 - 40 Hard Grey S. S. to Med. Hard S. S.
40 - 100 Soft Grey to Brown S. S.

Section 68 + 00 1100 L

Hole I.F. #62 Rig #1

0 - 33 Clay & Gravel
33 - 54 Sandy Clay & Boulders
54 - 77 Soft Grey S. S. Hard Bands
77 - 90 Hard Light Grey S. S.
End of Hole

Section 64 + 00 1200 L

Hole I.F. #63 Rig #2

0 - 8 Clay & Gravel
8 - 13 Gravel & Float Ore
13 - 17 Hard Grey S. S. to Soft Brown S. S.
17 - 60 Soft Brown to Grey S. S.
End of Hole

Section 60 + 00 1100 L

Hole I.F. #64 Rig #1

0 - 11 Clay & Float Rock
11 - 13 Gravel & Float Ore

Hole I.F. #64 Continued

13 - 16 Mag. Ore (1') to Soft Brown S. S.
16 - 21 Soft Brown S. S.
21 - 25 Soft Brown Sandy Clay
25 - 25.3 Mag. Ore in Dark Grey S. S.
25.3 - 60 Hard light Grey S. S.
End of Hole

Section 64 † 00 500 L

Hole I.F. #65 Rig #2

0 - 12 Sandy Brown Clay
12 - 25 Soft Brown S. S.
25 - 40 Dark Grey Shale
40 - 42 Oily Black Shale
42 - 58 Dark Grey Shale
58 - 61 Hard Grey S. S.
61 - 63 Mag. Ore
63 - 66 Hard Grey S. S. Some Mag.
66 - 70 Hard Grey S. S.
70 - 78 Hard Grey S. S.
78 - 100 Med. Hard to Soft Grey S. S.
End of Hole

Section 60 † 00 1000 L

Hole I.F. #66 Rig #1

0 - 10 Clay
10 - 15 Clay & Float Rock
15 - 17 Oily Black Shale
17 - 24 Hard Light Grey S. S. (Slightly Magnetic)
24 - 26.5 Hard Grey S. S. to Soft Grey S. S. (Slightly Magnetic)
26.5 - 45 Med. Hard Light Grey S. S.
45 - 100 Hard Grey S. S.
End of Hole

Section 60 † 00 500 L

Hole I.F. #67 Rig #1

0 - 18 Clay
18 - 20 Grey Sand
20 - 30 Grey S. S. and Black Shale
30 - 33 Hard Grey S. S. Some Mag.
33 - 35.6 Mag. Ore
35.6 - 36 Clay Band
36 - 37.7 Mag. Ore
37.7 - 39 Hard Grey S. S. Some Mag.
39 - 42 Mag. Ore
42 - 45.5 Soft Grey S. S.

Section 60 + 00 600 L

Hole I.F. #68 Rig #1

0 - 18 Clay & Float Rock
18 - 21.5 Shale & Grey S. S.
21.5 - 26 Hard Grey S. S. with Mag.
26 - 45 Soft Grey S. S. with Hard Stringers
End of Hole

Section 60 + 00 300 L

Hole I.F. #69 Rig #2

0 - 17 Soft Clay
17 - 25 Soft Grey S. S.
25 - 74 Oily Black Shale
74 - 79.5 Hard Grey S. S. (Some Mag.) to Blk. Shale & Coal to
Hard Grey S. S. (Some Mag.)
79.5 - 82.5 Hard Grey S. S. Some Mag.
82.5 - 88 Blk. Shale. Very Slightly Magnetic
88 - 95 Med. Hard Grey S. S.
95 - 115 Med. Hard to Soft Grey S. S.
115 - 150 " " " " " "
End of Hole

Section 64 + 00 100 R

Hole I.F. #70 Rig #1

0 - 15 Brown & Blue Clay to Float Rock
15 - 25 Hard Yellow Brown Clay
25 - 50 Med. Hard Light Grey S. S.
50 - 55 Grey Shale
73 - 80 Med. Hard Grey Shale
80 - 101 Oily Black Shale
101 - 103 Hard Grey S. S. with Mag. to Blk. shale, clay & coal
103 - 109.3 Hard Grey S. S. with Mag.
109.3 - 111.6 " " " " "
111.6 - 120.1 Mag. Ore
120.1 - 126.2 Hard Grey S. S. Some Mag.
126.2 - 130.2 Hard Grey S. S. to Med. Hard Grey S. S.
End of Hole

Section 64 + 00 500 R

Hole I.F. #71 Rig #1

0 - 10 Soft Brown Clay
10 - 13 Gravel
13 - 35 Soft Grey S. S.
35 - 42.5 Hard Grey S. S.
42.5 - 43 Mag. Ore
43 - 51 Med. Hard Grey S. S.
51 - 105 Hard Grey S. S. Shale Bands
End of Hole

Section 60 + 00 100 L

Hole I.F. #72 Rig #2

0 - 8 Clay
8 - 39 Clay & Gravel
39 - 40.6 Hard Grey S. S. Some Mag.
40.6 - 45.6 Hard Grey S. S. Some Mag. to Black Shale to Hard Grey S. S.
Some Mag.
45.6 - 50 Hard Grey S. S. Some Mag. Bands
50 - 55.5 Hard Grey S. S. to Black Shale to Hard Grey S.S. Some Mag.
57 - 59.2 Hard Grey S. S. Some Mag. Bands
59.2 - 63 Hard Grey S. S. Med. Hard Grey S. S. (S. P.)
63 - 65 Med. Hard Grey S. S. (S. P.)
End of Hole

Section 64 + 00 800 R

Hole I.F. #73 Rig #1

0 - 10 Clay (Soft Brown)
10 - 12 Sand & Gravel
12 - 30 Soft Brown S. S.
30 - 65 Med. Hard White S. S.
65 - 100 Hard Grey S. S. (S. P.)
100 - 120 Hard Grey S. S. (S. P.) with Black Shale Bands
End of Hole

Section 60 + 00 300 R

Hole I.F. #74 Rig #1

0 - 19 Clay & Boulders
19 - 22 Gravel
22 - 27 Black Oily Shale
27 - 32.5 Blue Shale
32.5 - 35.9 Mag. Ore (2.5') to Hard Grey S. S. with Mag.
35.9 - 37.6 Hard Grey S. S. to Mag. Ore (.6')
37.6 - 41.7 Mag. Ore (.6') to Med. Hard Grey S. S.
41.7 - 44.7 Hard Grey S. S. to Mag. Ore (2.0')
44.7 - 48.5 Mag. Ore (3.5')
48.5 - 52 Mag. Ore (1') to Hard Grey S. S. with Mag. Bands
52 - 53 Hard Grey S. S. with Mag. Bands
53 - 55.5 " " " Some Mag. Bands
55.5 - 60.7 Hard Grey S. S. to S. S. with Mag. (2') to Mag. Ore (1.0')
60.7 - 65.7 Hard Grey S. S. to Med. Hard Grey S. S.
65.7 - 70.7 Med. Hard Grey S. S.
End of Hole

Section 56 + 00 300 L

Hole I.F. #75 Rig #2

0 - 25 Sandy Brown Clay with Gravel
25 - 30 Oily Black Shale
30 - 35 Hard Blue Shale
35 - 37 Hard Grey S. S. Some Mag.

Hole I.F. #75 Continued

37 - 40 Coal, Blk. Shale & Clay
40 - 41.5 Hard Grey S. S. with Mag.
41.5 - 42.5 Hard Grey S. S. with Mag.
42.5 - 45.5 Soft Grey S. S.
45.5 - 63 Med. Hard Grey S. S. with Hard Bands
63 - 88 " " " " " "
88 - 100 Hard Grey Shale
End of Hole

Section 56 † 00 Base Line

Hole I.F. #76 Rig #2

0 - 5 Sandy Clay
5 - 7 Hard Grey S. S. with Mag.
7 - 9 " " " " "
9 - 10 " " " " "
10 - 12 " " " " "
12 - 15 Hard Grey S. S. to Med. Hard Brown S. S. (.6') to Hard
Grey S. S. Some Mag.
15 - 20 Hard Grey S. S. to Mag. Ore (.6')
20 - 23 Mag. Ore (.6') to Hard Grey S. S. with Mag.
23 - 29 Med. Hard Grey S. S. (S. P.)
29 - 57 Soft Grey S. S.
End of Hole

Section 52 † 00 200 R

Hole I.F. #77 Rig #1

0 - 5 Clay
5 - 10 Gravel
10 - 36 Soft Brown & Blue Clay
36 - 41 Gravel
41 - 44 Sandy Brown Clay
44 - 120 Hard Grey S. S.
End of Hole

Section 52 † 00 520 R

Hole I.F. #78 Rig #1

0 - 9 Soft Grey S. S. & Clay Bands
9 - 15 Shale & S. S.
15 - 40 Hard Grey S. S.
40 - 60 White S. S. with Shale Bands
60 - 110 Hard Grey S. S.
End of Hole

Section 84 † 00 500 R

Hole I.F. #79 Rig #2

0 - 25 Sandy Clay & Gravel
25 - 40 Soft Grey S. S.
40 - 75 Soft Dark Shale
75 - 150 Grey Shale & Blue Shale
End of Hole

Section 80 + 00 900 R

Hole I.F. #80 Rig #1

0 - 20 Clay & Boulders
20 - 25 Soft Grey S. S.
25 - 88 Blue Shale with Blk. Shale Stringers
88 - 145 Soft Oily Blk. Shale
145 - 150 Soft Grey S. S.
End of Hole

Section 80 + 00 300 R

Hole I.F. #81 Rig #2

0 - 30 Soft Brown Clay & Gravel
30 - 75 Grey S. S. and Shale Stringers
75 - 90 Hard Grey S. S.
90 - 114 Oily Blk. Shale
114 - 122 Hard Grey S. S.
122 - 126.5 Mag. Ore (.8') to Hard Grey S. S.
126.5 - 150 Hard Grey S. S.
End of Hole

Section 76 + 00 500 L

Hole I.F. #82 Rig #1

0 - 33 Sandy Clay & Boulders
33 - 45 Hard Grey S. S.
45 - 64 Oily Brown Shale
64 - 98 Soft Grey S. S. with Hard Grey S. S. Ledges
98 - 102 Hard Grey S. S. Some Mag. to Mag. Ore (1.5')
102 - 120 Hard Grey S. S. Soft Grey S. S.
End of Hole

Section 80 + 00 300 L

Hole I.F. #83 Rig #2

0 - 8 Clay & Gravel
8 - 15 Soft Brown S. S.
15 - 20 Hard Grey S. S.
20 - 30 Soft Blue S. S.
30 - 60 Soft Grey S. S.
60 - 128 Med. Hard Grey Shale
128 - 150 Soft Grey S. S.
End of Hole

Section 76 + 00 700 R

Hole I.F. #84 Rig #1

0 - 21 Clay & Boulders
21 - 30 Blue Shale
30 - 38 Soft Grey S. S.
38 - 50 Blue Shale & Soft Grey S. S.

50 - 55 Blue Shale
55 - 65 Hard Grey S. S.
65 - 85 Hard Blk. Shale & Grey Shale Stringers
85 - 100 Soft Grey S. S.
End of Hole

Section 72 + 00 500 R

Hole I.F. #85 Rig #1

0 - 20 Sandy Clay & Boulders
20 - 35 Soft Brown S. S.
35 - 98 Med. Hard Grey S. S. with Hard Blk. Shale Bands
98 - 120 Oily Blk. Shale
120 - 140 Very Hard Grey S. S.
End of Hole

Section 72 + 00 200 L

Hole I.F. #86 Rig #2

0 - 10 Sandy Clay
10 - 20 Soft Brown S. S.
20 - 40 Dark Brown Shale
40 - 55 Hard Grey S. S.
55 - 70 Soft Brown Shale
70 - 120 Hard Grey S. S.
End of Hole

Section 68 + 00 600 R

Hole I.F. #87 Rig #1

0 - 19 Clay & Float Rock
19 - 32 Soft Grey S. S.
32 - 55 Hard Grey S. S. with Shale Bands
55 - 85 Oily Blk. Shale with Grey Shale Bands
85 - 130 Hard Light Grey S. S.
End of Hole

Section 56 + 00 300 R

Hole I.F. #88 Rig #1

0 - 28 Soft Blue Clay
28 - 38 Loose Sand & Gravel
38 - 42 Med. Hard Grey S. S. with Very Hard Bands
42 - 44 Hard Blk. Shale
44 - 100 Hard Dark Grey Shale with Soft Light Grey Bands
End of Hole

Section 68 + 00 700 L

Hole I.F. #89 Rig #2

0 - 25 Dark Brown Soft Shale & S. S.
25 - 120 Hard Grey Shale with Bands of Grey S. S.
End of Hole

Section 56 † 00 600 L

Hole I.F. #90 Rig #1

0 - 30 Clay & Boulders
30 - 35 Sand & Gravel
35 - 38 Grey S. S.
38 - 46 Sandstone with Lean Ore Shale Bands
46 - 49 Soft Grey S. S.
49 - 70 Med. Hard Grey S. S. with Soft Bands
End of Hole

Section 64 † 00 800 L

Hole I.F. #91 Rig #2

0 - 20 Sandy Clay
20 - 30 Oily Blk. Shale
30 - 45 Soft Grey S. S.
45 - 55 Oily Blk. Shale
55 - 68 Hard Grey S. S.
68 - 73 Hard Grey S. S. Some Mag.
73 - 100 Hard Grey S. S.
End of Hole

Section 56 † 00 900 L

Hole I.F. #92 Rig #1

0 - 26 Clay & Boulders
26 - 40 Gravel
End of Hole

Section 64 † 00 200 R

Hole I.F. #93 Rig

0 - 17 Clay
17 - 33 Gravel
33 - 85 Soft Grey S. S.
85 - 100 Oily Blk. Shale
End of Hole

Section 44 † 00 850 R

Hole I.F. #94 Rig #2

0 - 10 Clay & Broken Brown S. S. and Float Ore
10 - 15 Soft Brown S. S.
15 - 35 Med. Hard Brown & Grey S. S.
35 - 40 Hard Brown Shale Rock
40 - 55 Hard Shale with S. S. Stringers
55 - 100 Hard Grey S. S.
End of Hole

Section 44 + 00 200 L

Hole I.F. #95

0	-	12	Soft Sandy Clay
12	-	15	Gravel & Sand
15	-	36	Soft Sandy Clay
36	-	44	White S. S.
44	-	55	Grey Shale
55	-	65	Soft Oily Blk. Shale
65	-	93	Soft Grey S. S. with Hard S. S. Stringers
93	-	100	Hard Blk. Shale

End of Hole

Section 40 + 00 100 R

Hole I.F. #96 Rig #1

0	-	19	Sandy Brown Clay & Boulders
19	-	35	Gravel & Sand
35	-	46	Sandy Brown Clay
46	-	55	Sandstone
55	-	57	Soft Oily Blk. Shale
57	-	57.6	Mag. Ore
57.6	-	62.6	S. S. Brown & Grey
62.6	-	64	Hard Grey S. S. Some Mag.
64	-	72	Hard Brown & Grey S. S.
72	-	90	Soft Grey S. S.

End of Hole

Section 40 + 00 800 R

Hole I.F. #97 Rig #2

0	-	25	Clay & Gravel
25	-	37	Soft Brown S. S.
37	-	38	Hard Grey S. S.
38	-	40	Hard Brown Shale
40	-	55	Soft Brown S. S.
55	-	65	Hard Brown Shale
65	-	80	Hard Grey S. S.

End of Hole