

IRON HILL DIAMOND DRILL HOLE DATA

006962

DIAMOND DRILL HOLE NO. 21

Coordinates: 4 ± 87 S0.; 9 ± 98 W Dip: 40° Bearing: S43°15' W.

Elevation: 1821' Commenced: 4/14/49 Completed: 4/17/49

		Core		Fe		S		P		SiO ₂ ± Al ₂ O ₃		Remarks
Depth	Recovery Inches	Recovery %	Core %	Core %	Core %	Core %	Core %	Core %	Core %	Sludge %	Remarks	
0-5	0	-	-	-	-	-	-	-	-	-	Soil	
5-14	98	91	-	-	-	-	-	-	-	-	Cry. Limestone	
14-19	60	100	100	50.4	0.09	0.005	14.8	-	-	-	Garnetite	
14-23	100	93	20.59	-	-	-	-	-	-	-	Gar some Mag	
19-21	20	83	-	59.1	0.03	Trace	11.6	-	-	-	Mag some Gar	
			-	66.7	0.02	-	3.4	-	-	-	Mag.	
21-23	20	83	-	54.1	0.02	0.006	-	-	-	-	Gar some Mag	
23-33	120	100	-	49.2	0.03	none	18.2	-	-	-	Cry. Limestone	
33-34	12	100	100	60.7	0.01	Trace	8.1	-	-	-	Magnetite	
33-42	96	89	32.67	62.4	0.02	"	6.2	-	-	-	Mag some Gar	
34-39	54	90	-	61.2	0.02	"	8.9	-	-	-	Garnetite	
39-42	30	83	-	29.9	0.04	0.01	28.2	-	-	-	Mag some Gar	
42-81	417	89	7.32	32.3	0.04	0.02	28.1	-	-	-	Garnetite	
81-82	6	50	-	65.2	0.02	0.005	6.0	-	-	-	Magnetite	
91-97	72	100	-	-	-	-	-	-	-	-	Mag	
97-105	70	73	-	-	-	-	-	-	-	-	Garnetite	
91-105	142	-	-	31.77	-	-	-	-	-	-	"	
100-105	-	-	-	-	-	-	-	-	-	-	"	
105-110	42	70	-	57.4	1.02	Trace	10.1	-	-	-	Mag. Little Gar	
110-115	18	30	40	37.3	0.06	0.042	24.7	-	-	-	Mag. Gar	
115-120	60	100	-	54.6	0.07	Trace	11.4	-	-	-	Gar. Mag	
Bottom of Hole No. 21 = 82'												
120-134	134	80	-	11.38	-	-	-	-	-	-	Mag. Gar	
130-135	-	-	45	-	-	-	-	-	-	-	Cry. Limestone	
134-136	16	67	-	53.85	-	-	-	-	-	-	Magnetite	
136-144	88	-	-	-	-	-	-	-	-	-	Magnetite	
135-140	-	-	19	-	-	-	-	-	-	-	Garnetite	
144-158	168	100	-	-	-	-	-	-	-	-	"	
158-178	194	81	-	-	-	-	-	-	-	-	Gar. Al & Limestone	
136-178	450	89	-	6.53	-	-	-	-	-	-	Garnetite	
178-183	36	60	-	60.1	0.39	0.032	-	-	-	-	Gar. Al & Limestone	
180-185	-	29	-	-	-	-	-	-	-	-	Mag. some Pyrite	
183-188	22	37	-	68.0	0.12	0.011	-	-	-	-	Magnetite	
185-190	4	17	40	67.3	0.03	0.018	-	-	-	-	"	
190-195	40	67	-	67.8	0.01	0.007	-	-	-	-	"	
195-200	45	75	-	68.8	0.02	0.023	-	-	-	-	"	

92F075
PROPERTY FILE

IRON HILL DIAMOND DRILL HOLE DATA

DIAMOND DRILL HOLE NO. 1

Coordinates: 3 + 31 SO.; 3 + 20 W. Dip: 45° Bearing S 35° W.

Elevation: 1633² Commenced: Feb. 25, 1949 Completed: 3/4/49.

		Core				Fe	S.	P.	SiO ₂	Al ₂ O ₃		
Depth	Recovery Inches	Recovery %	Recovery Ounces "	Core %	Core %	Core %	Core %	Core %	Core %	Sludge %	Remarks	
0-15	0	0	0	0	0	0	0	0	0	0	Soil	
15-20	60	100	-	-	50.6	0.09	0.005	14.8	-	-	Mag. Limestone	
20-37	204	100	-	-	18.81	-	-	-	-	-	Limestone	
37-40	36	100	-	-	59.1	0.03	Trace	11.6	-	-	Mag. Some Gar.	
40-45	60	100	-	-	66.7	0.02	-	3.4	-	-	Mag.	
45-50	60	100	-	-	54.1	0.02	0.006	-	-	-	"	
50-56	61	85	-	-	49.2	0.03	none	18.2	-	-	Mag. Gar	
56-60	48	100	-	-	60.7	0.01	Trace	8.1	-	-	Mag.	
60-65	60	100	-	-	62.4	0.02	"	6.2	-	-	"	
65-72	84	100	-	-	61.2	0.02	"	8.9	-	-	"	
72-83	120	91	-	-	29.9	0.04	0.01	29.2	-	-	Gar some Mag	
83-87	45	94	-	-	32.3	0.04	0.02	28.1	-	-	" " "	
87-91	48	100	-	-	65.2	0.02	0.005	6.0	-	-	Mag	
91-97	72	100	-	-	-	-	-	-	-	-	Garnetite	
97-105	70	73	-	-	-	-	-	-	-	-	"	
91-105	142	84	-	-	31.77	-	-	-	-	-	"	
100-105	"	-	-	-	-	-	-	-	-	-	Mag. Little Gar	
105-110	42	70	-	-	57.4	1.02	Trace	10.1	-	-	Mag. Gar	
110-115	18	30	40	-	37.3	0.06	0.042	24.7	-	-	Gar. Mag	
115-120	60	100	-	-	54.6	0.07	Trace	11.4	-	-	Mag. Gar	
120-134	134	80	-	-	11.38	-	-	-	-	-	Cry. Limestone	
130-135	-	-	45	-	-	-	-	-	-	-	Magnetite	
134-136	16	67	-	-	53.85	-	-	-	-	-	Magnetite	
136-144	88	-	-	-	-	-	-	-	-	-	Garnetite	
135-140	-	-	19	-	-	-	-	-	-	-	"	
144-158	168	100	-	-	-	-	-	-	-	-	Gar. Al & Limestone	
158-178	194	81	-	-	-	-	-	-	-	-	Garnetite	
136-178	450	89	-	-	6.53	-	-	-	-	-	Gar. Al & Limestone	
178-183	36	60	-	-	60.1	0.39	0.032	-	-	-	Mag. some Pyrite	
180-185	-	-	29	-	-	-	-	-	-	-	Magnetite	
183-188	22	37	-	-	68.0	0.12	0.011	-	-	-	"	
185-190	-	-	40	-	-	-	-	-	-	-	"	
188-190	4	17	-	-	67.3	0.03	0.018	-	-	-	"	
190-195	40	67	-	-	67.8	0.01	0.007	-	-	-	"	
195-200	45	75	-	-	68.8	0.02	0.023	-	-	-	"	

92F075
PROPERTY FILE

DIAMOND DRILL HOLE NO. 1 Continued

		Core		Fe	S.	P	SiO ₂	-	Al ₂ O ₃		
Depth	Recovery Inches	%	Recovery Ounces	%	Core %	Core %	Core %	Core %	Sludge %	Remarks	
200-205	14	23	29		66.4	0.03	0.007			Magnetite	
205-209	32	53			60.7	Trace	0.005			Mag some Gar	
205-210			28							Magnetite	
209-216	81	96			65.7	0.02	0.014			"	
210-215										"	
216-221	24	40			66.5	0.02	0.019			"	
45-50 & 178-216	Core composit							10.29		"	
215-220			36							"	
221-226	19	32			18.0	6.17	0.045			Gar. Pyrite	
220-225			50							" "	
226-236	17	28			41.4	0.44	0.02			Mag. Gar.	
225-230			87							" "	
230-235			58							" "	
236-246	18	30			44.7	0.18	0.04			Mag. Limestone	
235-240			96							Magnetite	
240-245			57							"	
245-250			62							"	
246-283	118	27			11.88					Gar. Volc. Limestone	

Bottom of Hole F 283'

IRON HILL DIAMOND DRILL HOLE DATA

DIAMOND DRILL HOLE NO. 2

Coordinates: 2 + 84 SO.; 6 + 04 W Dip. 45° Bearing S 13° 30' W.
Elevation: 1710' Commenced: Feb. 26, 1949 Completed: Mar. 4, 1949.

Depth	Recovery		Core %	Core %	Core %	Core %	Remarks
	Inches	%					
0-16	0	-	-	-	-	-	Soil
10-15							"
15-20							
16-21	8	13	21.64	0.033	0.112		Gar. some Mag
20-25							Garnetite
21-24	8	22	23.59	0.017	0.102		Gar. some Mag.
24-30	11	15	23.20	0.02	0.082		" " "
25-30							Garnetite
30-35	17	28	19.11	Trace	0.082		Gar. some Mag.
35-40							" " "
35-43	47	78	15.84				" " "
40-45							Mag. " Gar
			48.16(JRW)	0.08	0.02		
43-48	60	100	48.05	0.071	0.017		Mag. Gar
48-53	60	100	62.87	0.074	0.10		Magnetite
53-56	36	100	52.71	2.18	0.068		Mag-Gar-Pyrite
48-56;190-197							
140-145;248-255	Core	Composit				11.87	
56-60	48	100	29.87	2.46	0.004		Garnetite
60-136	912	100	0.59				Cry. Limestone
136-140	48	100	23.95				Gar. some Mag.
140-145	60	100	52.71	0.082	0.01		Mag-Gar-Pyrite
145-148	36	100					Gar.Pyrite
145-150							Magnetite AL & L.S.
145-190	454	84	9.90				"
148-182	336	82					& some Mag
182-190	82	85					Gar.
190-195	40	67	67.36	0.008	0.02		Magnetite
195-197	24	100	56.03	0.019	0.12		"
197-213	192	100					Gar-Al & Lime
197-229	304	79	18.21				" " "
213-223	76	63					Garnetite

IRON HILL DIAMOND DRILL HOLE DATA

DIAMOND DRILL HOLE NO. 2 Continued.

Depth	Core		Fe	S	P	SiO ₂	Al ₂ O ₃	Remarks
	Inches	%	Core %	Core %	Core %	Core %	Core %	
220-225								Gar-Al & Lime
223-229	36	50						Gar. some Mag
225-230								Gar. Al & Lime
229-234	12	20	40.45	0.013		0.034		Mag-Gar
230-235								" "
234-240	60	100	26.52	0.01		0.034		Gar. some Mag.
240-244	40	83	56.74	0.06		0.017		Mag. some Gar
240-248							14.51	" " "
241-248	30	63	58.69	0.05		0.020		" " "
248-255	60	71	56.81	1.27		0.007		Mag. some Gar & Pyr.
255-261	24	33	23.36					Al & Lime some Mag.
255-260								" " " "
261-280	122	54						Garnetite
261-297	209	48	18.19					Gar. Volcanics
280-297	87	43						Volcanics
297-306	66	61						Diorite

Bottom of Hole 2 - 306'

IRON HILL DIAMOND DRILL HOLE DATA

DIAMOND DRILL HOLE NO. 3

Coordinates: 3 + 46 So.; 4 + 95 W. Dip: 90°

Elevation 1712' Commenced: Mar. 5, 1949 Completed: Mar. 8, 1949.

Core Fe S P SiO₂ - Al₂O₃

DEPTH	recovery In.	%	Core	Core	Core	Core Sludge	Remarks
0-10	10	08	27.91				Garnetite
10-15	57	95	49.98	0.08	0.04		Mag. Gar
			62.40	0.39	0.011		
15-21	72	100	61.89	0.40	0.01	14.51	Magnetite
21-26	60	100					Garnetite
21-41	240	100	19.60				"
26-41	180	100					Gar. some Mag.
41-45	48	100	58.1	0.02	traces	10.7	Mag. some gar
45-51	72	100					Gar. " Mag.
45-59	168	100	17.02				Gar. Al & Lime
51-53	24	100					Cry. Limestone
53-59	72	100					Gar. some Mag.
59-77	192	89					Cry. Limestone
77-89	108	75	22.17				Gar. L.S. Mag
89-95	72	100	56.5	0.22	trace	9.9	Mag. some Gar
95-100	60	100	66.9	0.13	trace	3.2	Magnetite
100-105	60	100	64.9	0.18	trace	4.4	"
105-111	72	100	37.8	0.01	"	21.7	Mag. Gar
111-181	477	40					Earthy Garnetite
111-200	626	59	16.63				Gar. L.S.
181-191	52	43					Garnetite
191-193	19	79					Gar. L.S. Mag.
193-200	78	93					L.S. Gar.
200-204	35	73	47.2	0.20	0.005	18.8	Mag. Gar
204-247	467	83	2.97				Al & L.S.
247-252	54	90					Volcanics
252-254	12	50					Sand
254-259	50	83					Diorite some Garnetite

Bottom of Hole No. 3 - 259'

IRON HILL DIAMOND DRILL HOLE DATA

DIAMOND DRILL HOLE NO. 4

Coordinates: 2 + 45 So; 8 + 05 W Dip: 45° Bearing: S 12° 15' W.
 Elevation: 1709⁹ Commenced: 3/7/49 Completed 3/9/49

Depth	Core		Fe	S	P	SiO ₂	Al ₂ O ₃	Remarks
	Recovery In.	%	Core %	Core %	Core %	Core %	Core %	
1-5	29	60	68.8	0.04	Trace	3.1		Magnetite
5-10	60	100	68.9	0.04	"	2.2		"
10-15	60	100	68.2	0.13	"	2.3		Mag. some Pyrite
15-20	54	90	65.8	0.102	"			" " "
15-38)	394	99		.007	.007	11.0		
75-85)								
20-25	60	100	63.8	0.003				Mag. some Gar
25-30	60	100	64.2	0.005				" " "
30-35	60	100	56.4	0.003				" " "
35-38	36	100	62.3	0.015				" " "
38-56	156	72	19.00					Gar " Mag
56-60	48	100	27.91					Gar L.S. Mag
60-63	36	100						" " "
60-75	180	100	17.6					" " "
63-75	144	100						" some "
75-80	60	100	54.0	0.003				Mag. " Gar
80-85	60	100	56.2	0.005				" " "
85-95	26	21	14.1					Gar. L.S.
95-109	102	61						L.S. some Pyr.
109-117	93	97						Cry Limestone
117-122	60	100						Gar some Mag
122-191	828	100						Cry Limestone

Bottom of Hole No. 4 191'

IRON HILL DIAMOND DRILL HOLE DATA

DIAMOND DRILL HOLE NO. 5

Coordinates: 4 + 43₇ So; 3 + 85 W Dip: 90°
 Elevation: 1713' Commenced: 3/11/49 Completed: 3/16/49

Depth	Core		Fe	S	F	SiO ₂	-	Al ₂ O ₃	Sluge	Remarks
	Recovery In.	%	Core %	Core %	Core %	Core %	Core %	Core %		
0-2	0	-	-	-	-	-	-	-	-	Soil
2-83	898	92	0.3	-	-	-	-	-	-	Cry. Limestone
83-90	80	95	59.6	0.001	-	-	-	-	-	Magnetite
83-97)										"
172-250)	702	73				0.0055		9.48		"
90-97	45	54	62.9	0.018	-	-	-	-	-	Magnetite
90-95										"
97-101	31	65								Gar some Mag
97-127	278	77	25.93							" " "
101-124	211	77								" " "
124-127	36	100								Gar - Mag
127-132	54	90	28.8							Gar - Mag
127-148	176	70	26.5							" "
130-135										" "
132-135	20	56								" "
135-143	84	100	31.02							" "
143-148	18	30								Garnetite
148-153	60	100								Tough Al & L.S.
148-172	263	91	7.8							Gar-Al & L.S.
153-158	35	58								Garnetite
158-166	96	100								Gar - Al. & L.S.
166-172	72	100								" " "
172-176	42	88	55.2	0.022						Magnetite
175-180										"
176-181	26	43	62.6	0.003						"
181-186	43	72	62.5	0.001						"
185-190										"
186-189	24	67	59.7	0.001						"
189-193	48	100	61.3	0.001						"
193-198	60	100	58.6	0.001						"
198-205	9	11	51.7	0.001						"
200-205										"
205-210	18	30	64.7	0.003						"
210-215	39	65	64.4	0.001						"
215-220	56	93	70.1	0.001						"
220-225	44	73	66.5	0.001						"

IRON HILL DIAMOND DRILL HOLE DATA

DIAMOND DRILL HOLE NO. 5 Continued

	Core		Fe	S	P	$\text{SiO}_2 - \text{Al}_2\text{O}_3$			
Depth	Recovery In.	%	Core %	Core %	Core %	Core %	Sludge %	Remarks	
225-230	51	85	66.0	0.0006				Magnetite	
230-235	48	80	64.7	0.006				"	
235-240	16	27	64.0	0.005				"	
240-245								"	
240-246	33	55	62.9	0.003				"	
245-250								Mag. some Gar	
246-250	20	33	55.8	0.003				" " "	
250-254	18	38						Gar " Mag.	
250-255								" " "	
250-262	114	95	21.38					" " "	
254-257	36	100						Mag. Gar	
257-262	60	100						Volcanics	
262-267	42	70	52.12	0.09				Mag. Gar	
262-267 } 271-276 } 281-297 }	276	88				0.034	15.10	Mag. some Gar.	
267-271	22	46	20.5					" " "	
270-275								" " "	
271-276	50	83	54.26	trace				" " "	
276-281	60	100	49.72					" " "	
281-286	60	100	59.47	0.12				Magnetite	
286-291	60	100	54.79	0.005				"	
291-297	64	89	49.53					Mag. Gar. Pyrite	
297-313	54	28	23.3					Garnetite	

Bottom of Hole No. 5 313'

IRON HILL DIAMOND DRILL HOLE DATA

DIAMOND DRILL HOLE NO. 6

Coordinates: 2 + 05 So.; 10 + 00 W. Dip. 90°

Elevation: 1721⁰ Commenced: 3/11/49 Completed: 3/16/49

Core		Fe	S	P	SiO ₂	-	Al ₂ O ₃		
Depth	Recovery In.	%	Core %	Core %	Core %	Core %	Sludge %	Remarks	
0-4	0	-	-	-	-	-	-	Soil	
4-37	227	57	-	-	-	-	-	Garnetite	
4-47	291	56	10.9					"	
37-47	64	53						Gar some Mag. L.S.	
47-52	60	100	64.93	trace				Magnetite	
47-57)									
68-71)									
138-150)									
186-206)	736	96			0.024		10.87	Mag some Gar	
270-280)									
285-292)									
303-305)									
52-57	60	100	67.27	"				Magnetite	
57-68	116	88	20.7					Gar- Mag.	
68-71	30	83	58.10	0.006				Magnetite	
71-87	185	96	9.1					Al & Limestone	
87-96	96	89						Mag-Gar	
87-138	469	77	24.0					Gar - Mag.	
96-138	373	74						Gar some Mag.	
138-144	62	86	55.96	0.016				Mag. " Gar	
144-150	72	100	56.35	0.005				" " "	
150-160	105	88						Gar " Mag.	
150-186	358	83	42.1					" " "	
160-171	73	55						Mag " Gar	
171-186	180	100						" " "	
186-195	108	100	53.00	0.41				" " "	
195-200	60	100	60.20	1.49				Mag " Pyrite	
200-206	72	100	62.80	0.10				Magnetite	
206-223	84	100						Gar-Mag-Pyrite	
206-270	285	37	25.34					Gar - Mag	
223-230	51	61						Mag - Gar	
230-270	150	31						Gar - Mag	
285-240								" "	
240-245								" "	
270-275	44	73	63.80	0.21				Magnetite	
275-280	60	100	64.00	0.17				"	
280-285	55	92	34.45					Gar - Mag	
285-292	84	100	60.40	0.007				Mag some Gar	
292-303	96	73						Mag - Gar	

IRON HILL DIAMOND DRILL HOLE DATA

DIAMOND DRILL HOLE NO. 6 continued

Depth	Recovery		Core	Core	Core	Core	Sludge	Remarks
	in.	%	%	%	%	%	%	
292-305	120	77	41.52					Gar - Mag
295-300								Mag - Gar
303-305	24	100	62.40	0.007				Magnetite
305-335	264	93	25.34					Gar some Mag.
335-352	272	100						Volcanics

Bottom of Hole No. 6 352'

IRON HILL DIAMOND DRILL HOLE DATA

DIAMOND DRILL HOLE NO. 7

Coordinates: 4 + 88 So; 3 ⁺ 45 W. Dip: 90°

Elevation: 1689° Commenced: 3/18/49 Completed: 3/20/49.

Depth	Core Fe		S	P	SiO ₂ - Al ₂ O ₃		Core	Core	Core	Core	Sludge	Remarks
	recovery	%			Core	Core						
	in				%	%						
0-6												Soil
6-38	390	86			0.80							Cry Limestone
38-41	36	100			63.80	0.066						Magnetite
38-47)												
78-80)	204	90					0.024		11.17			"
84-94)												
41-47	60	83			61.40	0.01						"
47-78	365	98			28.31							Gar some Mag.
78-80	24	100			57.80	0.012						Magnetite
80-84 ⁴	42	87			37.62		150.5					Garnetite
84-88 ⁴	48	100			54.20	0.063	217.					Mag some Gar
88-94 ⁴	60	83			50.70	0.006	304					" " "
94-108 ¹⁰	146	87			26.73		374		41.6%			Gar " Mag
									44'			
108-116 ⁸	80	95			48.80		390					Mag-Gar
116-119 ³	30	83			31.58		94.5					Gar - Mag
119-124 ⁵	54	90			60.00	0.007	300					Mag some Gar
124-128	39	81			23.95		2830					Garnetite

Bottom of Hole No. 7 128'

IRON HILL DIAMOND DRILL HOLE DATA

DIAMOND DRILL HOLE NO. 8

Coordinates: 1 + 50 So.; 11 + 20 W Dip: 90°

Elevation: 1673⁶ Commenced: 3/18/49 Completed: 3/19/49

Core Fe S P SiO₂ - Al₂O₃

Depth	Recovery In	%	Core %	Core %	Core %	Core %	Sludge %	Remarks
0-10	0	-	-	-	-	-	-	Soil
10-16	12	25	48.00	-	-	-	-	Mag some Gar
16-19	36	100	56.00	trace	0.076	17.09	-	" " "
19-48	271	78	6.73					Gar Al & L.S.

Bottom of Hole No. 8 48'

IRON HILL DIAMOND DRILL HOLE DATA

No. 9.

Coordinates: 5 + 52 So.; 4 + 27 W Dip 90°

Elevation: 1695⁷ Commenced: 3/22/49 Completed 3/25/49.

Core Fe S P SiO₂ - Al₂O₃

Depth	Recovery In %	Core %	Core %	Core %	Core %	Sludge %	Remarks
0 - 1½	-	-	-	-	-	-	Soil
1½ - 18	184	93	-	-	-	-	Cry. Limestone
18-25	84	100	-	-	-	-	Garnetite
25-59	403	99	4.35	-	-	-	Cry. Limestone
59-65	72	100	-	-	-	-	Mag some Gar
59-84	273	91	55.04	-	-	-	" " "
65-70	49	82	-	-	-	-	" " "
70-75	60	100	-	-	-	-	" " "
75-80	50	83	-	-	-	-	" " "
80-84	42	88	-	-	-	-	" " "
84-90	72	100	13.8	-	-	-	Garnetite
90-96	69	96	-	-	-	-	Magnetite
90-109	195	86	57.42	-	-	-	"
96-102	45	63	-	-	-	-	"
102-109	81	96	-	-	-	-	"
109-111	24	100	-	-	-	-	red Garnetite
109-125	-	-	36.63	-	-	-	Gar some Mag.
111-116	60	100	-	-	-	-	Mag - Gar
116-120	48	100	-	-	-	-	Red Garnetite
120-123	36	100	-	-	-	-	Magnetite
123-125	24	100	-	-	-	-	Gar some Pyrite
125-137	144	100	-	-	-	-	Al & Limestone
137-147	114	95	-	-	-	-	Garnetite
147-158	111	84	-	-	-	-	Volcanics
158-169	120	91	-	-	-	-	Granodiorite

Bottom of Hole No. 9 - 169'

49

IRON HILL DIAMOND DRILL HOLE DATA

DIAMOND DRILL HOLE No. 11

Coordinates 6 + 37 So.; 3 + 67 W Dip: 90°
Elevation 1614² Commenced: 3/28/49 Completed: 3/29/49

Core Fe S P SiO₂ & Al₂O₃

Depth	Recovery In %	Core %	Core %	Core %	Core %	Sludge %	Remarks
0-12	0	-	-				Limestone Float
12-28	84	50	5.14				Volcanics

Bottom of Hole No. 11 28'

IRON HILL DIAMOND DRILL HOLE DATA

DIAMOND DRILL HOLE NO. 12

Coordinates: 5 + 15 SO.; 5 + 67 W. Dip: 90°

Elevation: 1764⁴ Commenced : 3/30/49 Completed: 4/4 /49.

Core		Fe		S	P	SiO ₂ - Al ₂ O ₃		Remarks
Depth	Recovery Inches	%	Core %	Core %	Core %	Core %	Sludge %	
0-15	0	-						Soil
15-18	24	67						Limestone
18-22	30	63						Gar some Mag
18-53	395	94	12.47					Garnetite
22-53	365	98						"
53-124	830	97	0.69					Limestone
124-126	24	100						Gar some Mag
124-139	120	67	52.86					Mag - Gar
126-131	37	62						Magnetite
131-136	37	62						"
136-139	22	62						Magnetite
139-141	20	88						Gar some Mag.
139-155	168	88	32.67					Gar " "
141-155	148	88						Gar " Mag
155-160	52	87						Mag some Gar.
155-177	225	85	55.04					" " "
160-165	50	83						" " "
165-170	48	80						" " "
170-177	75	89						" " "
177-182	60	100						Gar " Mag
177-187	120	100	41.87					" " "
182-187	60	100						Mag " Gar
187-199	98	68	25.24					Garnetite
199-204	26	43						Magnetite
199-215	38	20	54.84					"
204-215	12	09						"

Bottom of Hole No. 12 - 215'

IRON HILL DIAMOND DRILL HOLE DATA

DIAMOND DRILL HOLE NO. 13

Coordinates: 5 + 87 S0.; 5 + 53 W. Dip: 90°

Elevation: 1726° Commenced : 3/30/49 Completed: 4/2 /49

Core			Fe	S	P	SiO ₂ - Al ₂ O ₃	Remarks
Depth	Recovery Inches	%	Core %	Core %	Core %	Core %	
0-6	0	-					Soil
6-10	48	100					Garnetite
10-47	444	100					Cry Limestone
47-57	120	100	24.55				Garnetite
57-62	54	90					Mag - Gar
57-104	454	81	58.61				Magnetite
62-67	60	100					"
67-72	48	80					"
72-77	42	70					"
77-80	24	67					"
80-85	21	35					"
85-90	58	97					"
90-95	51	85					"
95-100	60	100					"
100-104	36	75					"
104-108	44	92					Gar - Mag
104-129	265	88	18.61				Gar - Volcanics
108-120	137	95					Gar "
120-125	54	90					Volcanics
125-129	30	63					Garnetite
129-140	132	100					Volcanics

Bottom of Hole No. 13 - 140'

IRON HILL DIAMOND DRILL HOLE DATA

DIAMOND DRILL HOLE NO. 14

Coordinates: 6 + 50 SO; 6 + 31 W. Dip: 90°

Elevation: 1705 Commenced: 4/3/49 Completed: 4/5/49

Core		Fe		S	P	SiO ₂ - Al ₂ O ₃		Remarks
Depth	Recovery Inches	%	Core %	Core %	Core %	Core %	Sludge %	
0-8	0	-	-	-	-	-	-	Soil
8-15	54	64	20.79	-	-	-	-	Garnetite
15-20	60	100						Magnetite
15-45	272	76	51.48					Mag - Gar
20-25	44	73						Mag - Gar
25-33	84	88						" "
33-38	36	60						" "
38-45	48	57						" "
45-51	66	92	14.05					Garnetite
51-59	96	100						Al & Limestone
59-61	24	100						Al & L.S.-Gar.
61-93	364	95						Al & L.S.-Vol.

Bottom of Hole No. 14 = 93'

IRON HILL DIAMOND DRILL HOLE DATA

DIAMOND DRILL HOLE NO. 15

Coordinates: 6 + 26 S0.; 7 + 68 W Dip: 90°

Elevation: 1774¹ Commenced: 4/5/49 Completed: 4/8/49

Core			Fe	S	P	SiO ₂ - Al ₂ O ₃		
Depth	Recovery Inches	%	Core %	Core %	Core %	Core %	Sludge %	Remarks
0-6	0	-	-	-	-	-	-	Soil
6-41	405	96	-	-	-	-	-	Limestone
41-53	144	100	-	-	-	-	-	Garnetite
41-78	362	82	23.56	-	-	-	-	Gar - Mag
53-54	12	100	-	-	-	-	-	Mag some Gar.
54-71	122	60	-	-	-	-	-	Garnetite
71-72	12	100	-	-	-	-	-	Magnetite some Gar
72-78	72	100	-	-	-	-	-	Garnetite
78-86	93	97	-	-	-	-	-	Magnetite
78-89	123	93	52.86	-	-	-	-	"
86-89	30	83	-	-	-	-	-	"
89-94	60	100	-	-	-	-	-	Garnetite
89-107	208	96	22.77	-	-	-	-	Gar.Al & L.S.Vol.
94-96	16	67	-	-	-	-	-	Magnetite
96-102	72	100	-	-	-	-	-	Car-Al & L.S.
102-105	36	100	-	-	-	-	-	Volcanics
105-107	24	100	-	-	-	-	-	Garnetite
107-111	12	25	-	-	-	-	-	Mag some Gar
107-116	52	48	44.15	-	-	-	-	Gar - Mag
111-114	18	50	-	-	-	-	-	Garnetite
114-116	22	92	-	-	-	-	-	Magnetite
116-134	177	82	6.13	-	-	-	-	Garnetite
134-138	48	100	-	-	-	-	-	Diorite

Bottom of Hole No. 15 = 138'

IRON HILL DIAMOND DRILL HOLE DATA

DIAMOND DRILL HOLE NO. 16

Coordinates: 6 $\pm$ 79 SO.; 7 $\pm$ 25 W Dip: 90⁰

Elevation: 1728⁶ Commenced: 4/6/49 Completed : 4/9/49

		Core	Fe	S	P	SiO ₂ $\pm$ Al ₂ O ₃		
Depth	Recovery Inches	%	Core %	Core %	Core %	Core %	Sludge %	Remarks
0-8	0	-	-	-	-	-	-	Soil
8-13	37	62	-	-	-	-	-	Mag. some L.S.
8-29	166	66	52.07	-	-	-	-	Magnetite
13-18	16	27	-	-	-	-	-	Mag some Gar
18-23	45	75	-	-	-	-	-	Magnetite
23-29	68	95	-	-	-	-	-	"
29-35	50	69	5.74	-	-	-	-	Carnetite
35-47	134	93	-	-	-	-	-	Gar - Vol.
47-51	48	100	-	-	-	-	-	Volcanics

Bottom of Hole No. 16 = 51'

IRON HILL DIAMOND DRILL HOLE DATA

DIAMOND DRILL HOLE NO. 17

Coordinates: 5 $\pm$ 12 SO.; 9 $\pm$ 62 W. Dip: 90°

Elevation: 1793⁸ Commenced: 4/8/49 Completed: 4/10/49

Core Fe S P SiO₂ $\pm$ Al₂O₃

Depth	Recovery Inches	%	Core %	Core %	Core %	Core %	Sludge %	Remarks
0-8	0	-						Soil
8-51	465	88						Cry Limestone
51-67	192	100						Garnetite
67-72	60	100						Al & Limestone
72-74	24	100						Gar - Mag.
74-94	231	96						Garnetite
94-128	399	98						Cry. Limestone
128-134	60	83						Garnetite
128-154	240	77	15.64					"
134-154	180	75						"
154-155	12	100						Magnetite
154-160	56	78	39.2					Gar. - Mag
155-158	32	89						Garnetite
158-160	12	50						Magnetite
160-164	48	100	19.8					Garnetite
164-173	0	0						No core No sludge

Bottom of Hole No. 17 = 173'

IRON HILL DIAMOND DRILL HOLE DATA

DIAMOND DRILL HOLE NO. 18

Coordinates: 5 $\pm$ 98 SO.; 8 $\pm$ 70 W Dip: 90°

Elevation: 1794 Commenced: 4/11/49 Completed: 4/12/49

		Core	Fe	S	P	SiO ₂ $\pm$ Al ₂ O ₃		
Depth	Recovery Inches	%	Core %	Core %	Core %	Core %	Sludge %	Remarks
0-95	962	84						Cry. Limestone
95-132	242	65						Garnetite
95-150	373	56	11.08					"
132-133	11	92						Volcanics
133-150	120	59						Garnetite
150-159	24	22	60.19					Magnetite
159-161	6	25						Mag - Gar

Bottom of Hole No. 18 - 161'

IRON HILL DIAMOND DRILL HOLE DATA

DIAMOND DRILL HOLE NO. 19

Coordinates: 5 ± 35 SO.; 9 ± 98 W. Dip: 0° Hearing: S48° W

Elevation: 1797 Commenced: 4/11/49 Completed: 4/13/49

Depth	Recovery Inches	Core					Sludge %	Remarks
		%	Core %	Fe %	S %	P SiO ₂ ± Al ₂ O ₃ %		
0-13	0	-						Soil
13-15	23	96						Gar - Mag.
13-28	152	84	56.82					Mag some Gar
15-23	69	72						Magnetite
23-24 ¹ / ₂	18	100						Mag - Gar.
24 ¹ / ₂ -28	42	100						Magnetite
28-33	48	80						Gar some Mag.
28-89	639	87	18.01					Gar - Mag.
33-36	36	100						Gar - Mag.
36-43	72	86						Garnetite
43-45	24	100						Mag - Gar
45-80	391	93						Garnetite
80-85	20	33						Magnetite - L.S.
85-86	12	100						Mag - Gar
86-89	36	100						Garnetite
89-94	40	67						Magnetite
89-103	109	65	53.16					Mag - Gar
94-100	33	46						Mag some Gar
100-1-3	24	100						Garnetite
102-103	12	100						Mag - Gar
103-119	72	38	16.23					Garnetite
119-150	155	42						Volcanics

Bottom of Hole No. 19 - 150'

IRON HILL DIAMOND DRILL HOLE DATA

DIAMOND DRILL HOLE NO. 20

Coordinates : 5 ± 87 SO.; 9 ± 05 W Dip: 45° Bearing S54° 30 W.

Elevation: 1796¹ Commenced: 4/13/49 Completed: 4/17/49

Depth	Recovery Inches	Core		Fe	S	P	SiO ₂ Al ₂ O ₃	Sludge %	Remarks
		%	Core %	Core %	Core %	Core %			
0-13	0	-							Soil L.S. Boulders
13-17	40	83							Cry. Limestone
17-28	30	23							Gar-Pyr - L.S.
28-32	48	100							Garnetite
28-46	210	97	36.23						Mag - Gar.
32-33	12	100							Magnetite
33-35	18	75							Gar - Mag
35-37	24	100							Mag some Gar
37-40	36	100							Garnetite
40-44	48	100							Mag some Gar
44-46	24	100							Garnetite
46-84	424	93							"
84-91	58	69							Gar - Mag
91-102	100	76							Garnetite

Bottom of Hole No. 20 = 102'