STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES

Alaska Geologic Materials Center *Data Report No. 372*

No. 372: 1928 Alaska Nebesna Corporation drill logs and assay records for the Orange Hill Property, Nabesna Quadrangle, Alaska: Drill holes No. 1 through No. 10

Received *March, 2010*

HOLE No. 1

Depth	Size Core in.	Size Hole in.	Material	Core % Cu.	Core % Fe.	Core Oz. Au.	Core Oz. Ag.	Sludge % Cu.	Sludge % Fe.	Sludge Oz. Au.	Sludge Oz. Ag.	Wt. Lbs.
0-6			Diorite	0.2	4.0	0.01	0.02	0.4	5.7	0.01	0.02	
6-12			"	0.1	4.8	0.01	0.02	0.2	4.0	0.01	0.02	
12-18			"	0.1	4.4	0.01	0.02	0.2	4.0	0.01	0.02	
47-56			"	0.3	5.0	0.01	0.02	0.2	4.6	0.01	0.02	
91-100			"	0.1	4.0	0.01	0.02	0.2	3.7	0.01	0.02	
124-133			"	0.2	5.0	0.01	0.02	0.1	3.7	0.01	0.02	
141-150			"	0.4	4.0	0.01	0.02	0.1	3.9	0.01	0.02	
166-175			"	0.3	4.5	0.01	0.02	0.1	3.5	0.01	0.02	

Percent core recovery	83.0
Course	N 70° 54' E
Dip	3° 35' down
Length	175 feet
Average Cu percent	0.17

HOLE No. 2

Depth	Size Core	Size Hole	Material	Core % Cu.	Core % Fe.	Core Oz Au	Core Oz Ag	Sludge % Cu.	Sludge % Fe.	Sludge Oz Au	Sludge Oz Ag	Wt. Lbs.
6-10			Diorite	0.2	4.5	0.01	0.02	--	--	--	--	
10-16			"	0.3	4.5	0.01	0.02	0.3	4.0	0.01	0.02	
16-21			"	0.2	4.5	0.01	0.02	0.3	3.6	0.01	0.02	
21-27			"	0.4	5.0	0.01	0.02	0.4	4.0	0.01	0.02	
27-35			"	0.2	4.6	0.01	0.02	0.3	4.6	0.01	0.02	
35-43		0.2										
43-52			"	0.2	4.4	0.01	0.02	0.2	4.6	0.01	0.02	
52-60		0.2										
60-68			"	0.2	4.0	0.01	0.02	0.2	4.6	0.01	0.02	
68-76			"	0.1	4.0	0.01	0.02	0.2	4.6	0.01	0.02	
76-84			"	0.2	4.7	0.01	0.02	0.1	4.4	0.01	0.02	
84-93			"	0.1	4.6	0.01	0.02	0.2	4.4	0.01	0.02	
93-102		0.15										
102-110			"	0.2	4.6	0.01	0.02	0.2	4.0	0.01	0.02	

Percent core recovery	52.0 Poor Recovery
Course	N 70° 54' E
Dip	57° 00' down
Length	110 feet Hole No 2
Average Cu percent	0.22

HOLE No. 3

Depth	Size Core in	Size Hole in	Material	Core % Cu	Core % Fe	Core Oz Au	Core Oz Ag	Sludge % Cu	Sludge % Fe	Sludge Oz Au	Sludge Oz Ag
0-10			Diorite	0.2							
10-15			"	0.3							
15-20			"	0.2				0.2		0.01	0.06
20-25			"	0.1				0.2		0.01	0.06
25-30			"	tr.				0.2		0.01	0.06
30-36			"	0.1				0.1		0.01	0.06
36-39			"	0.3				0.2		0.01	0.06
39-49 - 0.4											
49-54			"	0.5				0.4		0.01	0.06
54-59			"	0.5				0.5		0.01	0.06
59-64			"	0.4				0.4		0.01	0.06
64-70 0.5											
70-78			"	0.6				0.4		0.01	0.06
78-86			"	0.5				0.4		0.01	0.06
86-94			"	0.5				0.3		0.01	0.06
99-103-0.4											
103-111			Diorite & porphyry	0.3				0.3		0.01	0.06
111-119			Diorite	0.4				0.4		0.01	0.06
119-128- 0.4											
128-136			"	0.4				0.3		0.01	0.06
136-144 -0.3											
144-153			"	0.2				0.2		0.01	0.06
153-161 0.20											
161-172			Diorite & qtz.	0.2				0.2		0.01	0.06
172-177-0.20											
177-183			Diorite & porphyry	0.2				0.2		0.01	0.06
183-195- 0.20											
195-203			Diorite	0.2				0.2		0.0.	0.06
203-212			"	0.2				0.3		0.01	0.06
212-221			"	0.2				0.3		0.01	0.06
221-229			"	0.6				0.4		0.01	0.06
229-237			"	0.2				0.3		0.01	0.06
								0.29		0.01	0.06

HOLE No. 3

Percent core recovery	70.0
Course	S 69° 36' E
Dip	44° 10' down
Length	237 ft.
Average Cu percent	0.29

HOLE No. 4

Depth	Size Core in	Size Hole in	Material	Core % Cu.	Core % Fe.	Core Oz Au	Core Oz Ag	Sludge % Cu.	Sludge % Fe.	Sludge Oz Au	Sludge Oz Ag
0-9			Diorite	0.5				0.3		0.004	0.03
9-20			"	0.1				0.25		0.004	0.03
20-25			Porphyry dike	0.0				tr.		0.004	0.03
25-33			"	0.0				0.14		0.004	0.03
33-38			Diorite	0.3				0.2		0.004	0.03
38-46			"	0.1				0.2		0.004	0.03
46-54			"	0.1				0.2		0.004	0.03
54-62			"	0.2				0.1		0.004	0.03
62-68			"	0.2				0.1		0.004	0.03
68-72			"	0.2				0.2		0.004	0.03
72-81			"	0.2				0.2		0.004	0.03
81-90			"	0.3				0.3		0.004	0.03
90-98			"	0.3				0.2		0.004	0.03
98-107			"	0.5				0.3		0.004	0.03
107-115			"	0.5				0.3		0.004	0.03
115-123			"	0.5				0.2		0.004	0.03
123-131			"	0.5				0.2		0.004	0.03
131-138			"	0.3				0.1		0.004	0.03
138-148			"	0.3				0.1		0.004	0.03
148-159			"	0.3				0.3		0.004	0.03
159-167			"	0.5				0.2		0.004	0.03
167-181			"	0.3				0.2		0.004	0.03
181-192			"	0.3				0.2		0.004	0.03
192-200			"	0.2				0.2		0.004	0.03
200-212			"	0.2				0.2		0.004	0.03
212-225			"	0.2				0 2		0.004	0.03
225-241			"	0.2				0.2		0.004	0.03

HOLE No. 4

Percent core recovery	71.5
Course	S 76° 24' W
Dip	44° 35' down
Length	241 ft.
Average Cu percent	0.22

HOLE No. 5

Depth	Material	Core % Cu.	Core Oz Au	Sludge % Cu.
0-7	Quartz	0.2		0.5
7-13	Porphyry	0.0		0.5
13-20	Porphyry & quartz	0.0		0.3
20-28	Felsite	0.0		0.2
28-33	Diorite & quartz	0.0		tr.
33-39	Diorite	0.0		0.0
39-49	"	0.0		0.0
49-55	Felsite & quartz	tr.		0.1
55-60	Quartz	tr.		0.1
60-65	Diorite	0.0		tr.
65-73	"	0.0		tr.
73-82	"	0.0		tr.
82-90	"	0.0		tr.
90-98	Diorite & porphyry	0.0		tr.
98-106	Porphyry	0.0		tr.
106-114	"	0.0		tr.
114-122	Diorite & qtz.	0.0		tr.
122-127	"	0.0		0.1
127-132	"	0.0		tr.
132-138	"	0.0		0.0
138-143	Diorite	0.0		0.0
143-151	"	0.0		0.0

Percent core recovery 68.3
Course N 66° 00' E
Dip 21° 35' down
Length 151 ft.

HOLE No. 6

Depth	Core Pull ft	Core Lgth ft	Material	Core % Cu.	Sludge % Cu.
0-10	10	0.25	Diorite	0.3	0.0
10-20	10	0.25	"	0.3	0.0
20-26	6	0.33	"	0.3	tr.
26-32	6	0.33	"	0.3	-0.1
32-37	5	3	"	0.2	-0.1
37-42	5	3	"	0.2	0.1
42-47	5	4	"	0.6	0.1
47-56	9	8	"	0.2	0.2
56-65	9	7	"	0.17	0.2
65-71	6	5	"	0.17	0.2
71-79	8	5	"	0.14	0.2
79-88	9	4	"	0.2	0.2
88-97	9	7	"	0.17	0.2
97-105	8	8	"	0.2	0.2
105-114	9	8½	"	0.15	0.31
114-123	9	7	"	0.12	0.24
123-131	8	4	"	0.18	0.22
131-140	9	5½	"	0.15	0.14
140-149	9	7	Diorite & quartz	0.20	0.17
149-157	8	7	Diorite	0.19	0.14
157-165	8	5½	"	0.31	0.27
165-173	8	7	"	0.27	0.22
173-182	9	7½	"	0.36	0.39
182-188	6	5	"	0.24	0.19
188-195	7	6½	"	0.17	0.19
195-204	9	6½	"	0.34	0.26
204-211	7	4	"	0.22	0.36
211-220	9	6½	"	0.22	0.12

HOLE No. 6 (cont.)

Depth	Core Pull ft	Core Lgth ft	Material	Core % Cu.	Sludge % Cu.
220-229	9	3	Diorite & porphyry	0.0	0.07
229-238	9	5	"	0.22	0.17
238-247	9	8	Diorite	0.24	0.27
247-256	9	4½	"	0.26	0.34
256-264	8	3½	Dike	0.24	0.29
264-272	8	8	Diorite	0.36	0.10
272-281	9	8	"	0.24	0.19
281-289	8	4	Diorite & dike	0.17	0.29
289-297	8	8	Diorite	0.24	0.26
297-305	8	7	"	0.43	0.29
305-313	8	2	"	0.22	0.17
313-322	9	8	"	0.19	0.19
322-328	6	2½	"	0.31	0.17
328-337	9	8½	"	0.12	0.24
337-346	9	8	"	0.26	0.19
346-355	9	7	"	0.24	0.14
355-364	9	7½	"	0.24	0.19
364-370	6	6	"	0.22	0.22
370-379	9	8	"	0.17	0.22
379-387	8	7	"	0.26	0.22
387-395	8	8	"	0.22	0.19
395-404	9	6½	"	0.29	0.19
404-406	2	1½	"	0.14	--
406-414	8	7½	"	0.22	0.10

HOLE No. 6 (cont.)

Percent core recovery	73.0
Course	S 65° 00' W
Dip	1° 15' down
Length	414 ft.
Average Cu percent	0.195
Average Au and Ag Ounces	0.005 & 0.055

Au - Ag determined from composite sample taking 12 A.T.

HOLE No. 7

Depth	Material	Core % Cu.	Sludge % Cu.
0-20	Debris	---	---
20-25	Diorite	tr.	0.0
25-32	"	Tr.	0.0
32-41	"	0.10	0.10
41-50	"	0.10	0.10
50-59	"	0.0	0.0
59-67	"	0.0	tr.
67-76	"	0.16	tr.
76-84	"	0.16	0.10
84-92	"	0.12	tr.

Abandoned. Hole caved at 50 ft.

Course	S 73° 30' E
Dip	7° 55'
Length	92 ft.

HOLE No. 8

Depth	Core pull ft	Lgth ft	Material	Core % Cu.		Sludge % Cu.
0-10	10	3½	Diorite	0.24	240	0.34
10-18	8	5	"	0.31	248	0.24
18-26	8	7	"	0.19	152	0.17
26-35	9	8	"	0.53	477	0.12
35-43	8	7	"	0.17	136	0.12
43-48	5	4	"	0.14	70	0.12
48-55	7	4½	Diorite & porphyry	0.14	98	tr
55-61	6	5	Porphyry	0.00	—	0.00
61-69	8	5	Diorite & porphyry	0.19	152	0.14
69-78	9	6	Diorite	0.07	63 1630	0.24
78-83	5	2	"	0.38	190	0.36
83-88	5	2	"	0.29	145	0.36
88-96	8	8	"	0.50	400	0.24
96-105	9	6	"	0.19	171	0.24
105-111	6	4½	"	0.29	174	0.19
111-120	9	9	"	0.36	324	0.14
120-128	8	7	"	0.22	176	0.17
128-133	5	5	"	0.12	60	0.34
133-142	9	7	"	0.34	306	0.38
142-151	9	6	Diorite & quartz	0.70	630	0.44
151-159	8	4½	Diorite	0.15	120	0.27
159-167	8	7½	"	0.15	120	0.32
167-176	9	3	Diorite & magnetite	0.17	153	0.34
176-185	9	6½	Porphyry	0.00	—	N.S.
185-194	9	9	Diorite	0.15	135	N.S.
194-200	6	5	"	0.37	222	N.S.
200-208	8	6	"	0.34	272	0.37
208-216	8	6	"	0.20	160	0.27
	132				3758	= .208

HOLE No. 8 (cont.)

Depth	Core Pull ft	Core Lgth ft	Material	Core % Cu.		Sludge % Cu.
216-225	9	9	Diorite	0.20	180	0.29
225-234	9	4	"	0.07	63	0.15
234-242	8	7	"	0.15	120	0.15
242-247	5	5	"	0.24	120	0.12
247-256	9	8	"	0.29	201	0.12
256-264	8	8	"	0.12		0.15
264-273	9	9	"	0.15		N.S.
273-282	9	5	"	0.10		N.S.
282-291	9	2	"	0.12		0.12
291-299	8	5½	"	0.15		N.S.
299-305	6	6	"	0.00		0.00
305-311	6	4½	"	0.00		0.00
311-319	8	8	"	0.00		0.07
319-327	8	8	"	0.12		N.S.
327-332	5	5	"	0.07		N.S.
332-340	8	8	"	0.07		0.12
340-348	8	7	"	0.07		0.00
348-356	8	8	"	0.07		N.S.
356-365	9	9	"	0.07		N.S.
365-373	8	8	Quartz & FeS_2	0.10		N.S.
373-380	7	9	Diorite	0.12		N.S.
380-391	11	9	"	0.00		N.S.

744
3158
4502 = .254
178 127
381
+50% = .38%

Percent core recovery 78.0
Course N 59° 00' E
Dip 16° 30' down to E
Length 391 ft.
Percent Cu. average % 0.185
Average Au and Ag Au 2½¢/ton Ag 2.6¢/ton
(Au-Ag determined from composite sample taking 16 assay tons)

HOLE No. 9

Depth	Core Lgth	Core Pull	Material	Core % Cu.	Core oz. Au. A L	Core oz. Ag. Glover	Sludge % Cu.	Core % Cu Glover
0-18	9	18	Garnet	0.0			N.S.	
18-25	5	7	"	tr.			0.25	
25-30	3	5	Garnet and green stone	0.50			N.S.	
30-38	5	8	Green stone & FeS_2	0.70	.02	tr	0.50	1.03
38-43	4	5	Ditto	tr.			0.12	
43-51	2	8	"	0.12			0.10	
51-60	7	9	"	0.0			tr.	
60-69	6	9	"	0.41			tr.	
69-77	2	8	"	0.87	.02	tr	0.40	.82
77-78	1	1	"	0.10			N.S.	
78-84	3	6	"	0.36			0.17	
84-89	2	5	"	tr.			N.S.	
89-94	1	5	"	0.0			N.S.	
94-100	1	6	"	0.0			N.S.	
100-105	3	5	"	0.0			0.0	
105-112	2	7	"	0.0			0.0	
112-117	5	5	"	0.0			N.S.	
117-123	4	6	"	0.0			N.S.	
123-128	3½	5	"	0.0			N.S.	

Location: Mouth of Iron Tunnel
Course — S 85° 00' E
Dip — 26° 35'
Average Cu percent — -0.10
Length — 128 ft.
Percent core recovery — 53.5%

HOLE No. 10

Depth	Core Core ft	Core Pull Lgth	Material	Core % Cu.	Core oz. Au. A L	Core oz. Ag. Glover	Sludge % Cu.	Core % Cu Glover
0-8	5	8	Garnet	0.0				
8-14	5	6	"	0.0				
14-17	2	3	"	0.0				
17-21	2	4	Garnet & sulfides	0.48			0.48	
21-26	2½	5	"	0.55	.02	tr		.78
26-30	4	4	"	0.0				
30-33	1½	3	"	0.0				
33-39	5	6	"	0.0				
39-45	5	6	"	0.0				
45-51	5	6	"	tr				
51-56	4½	5	Garnet & Fe_3O_4	0.10				
56-62	5	6	Garnet	0.0				
62-70	8	8	"	0.0				
70-74	3	4	"	0.0				
74-82	7	8	"	0.0				
82-87	3½	5	"	0.0				
87-92	4	5	"	0.0				
92-96	3	4	Garnet & FeS_2 & Fe_3O_4	0.24				
96-101	5	5	Magnetite	0.0				
101-106	3	5	Magnetite & green	0.72	.03	.20		1.06
106-108	2	2	"	0.53				
108-112	3	4	green stone	0.0				

Location	Iron Tunnel
Course	S 70° 00' E
Dip	11° 30' down
Length	112 ft.
Average % Cu	-0.10

LOG OF DIAMOND DRILL HOLES

HOLE No. 1

Depth	Material	Remarks
0-6	Diorite - quartz.	With Fe3 04, FeS2 + CuFeS2
6 - 12	" "	" " " "
12 - 18	Diorite	" " " "
18 - 25	"	" " " "
25 - 29	"	" " " "
29 - 37	"	" " " "
37 - 47	"	" " " "
47 - 56	"	" " " "
56 - 64	"	" " " "
64 - 73	"	" " " "
73 - 82	"	" " " "
82 - 91	"	" " " "
91 - 100	"	" " " "
100 - 108	"	" " " "
108 - 116	"	" " " "
116 - 124	"	" " " "
124 - 133	"	" " " "
133 - 141	"	" " " "
141 - 150	"	" " " "
150 - 158	"	" " " "
158 - 166	"	" " " "
166 - 175	"	" " " "

Location --- South end Orange Hill. West side

Course --- N 70° 54' E

Dip 3° 35' down

Length 175 ft.

HOLE NO. "2"

Depth	Material	Remarks
0 - 6	Debris	
6 - 10	Diorite	With Fe3 04, Fe32, + Cu Fe S2
10 - 16	"	" " " "
16 - 21	"	" " " "
21 - 27	"	" " " "
27 - 35	"	" " " "
35 - 43	"	" " " "
43 - 52	"	" " " "
52 - 60	"	" " " "
60 - 68	"	" " " "
68 - 76	"	" " " "
76 - 84	"	" " " "
84 - 93	"	" " " "
93 - 102	"	" " " "
102 - 110	"	" " " "

Location --- Same as Hole No. 1

Course --- N 70° 54E

Dip --- 57°00' down

Length --- 110 ft.

HOLE NO. 4

LOCATION
COURSE
LENGTH
DIP

Depth		Material	Remarks
0-9		Diorite	With Fe3 O4, FeS2, + CuFeS2
9-15		"	" " " "
15-20		Diorite and porphyry	Porphyry at 16'
20-25		Porphyry	
25-33		"	
33-38		Diorite	With Fe3 O4, FeS2, + CuFeS2
38 46		"	" " " "
46-54		"	" " " "
54-62		"	" " " "
62-68		"	" " " "
68-72		"	" " " " "
72-81		"	" " " "
81-90		"	" " " "
90-98		"	" " " "
98-107		"	" " " "
107-115		"	" " " "
115-123		"	" " " "
123-131		"	" " " "
131-138		"	" " " "
138-143		"	" " " "
143-148		"	" " " "
148-153		"	" " " "
153-159		"	" " " "
159-167		"	" " " "
157-175		"	" " " "
175-181		"	" " " "
181-183		"	" " " "
183-187		"	" " " "
187-192		"	" " " "
192-200		"	" " " "
200-208		"	" " " "
208-212		"	" " " "
212-217		"	" " " "
217-225		"	" " " "
225-233		"	" " " "
233-241		"	" " " "

HOLE NO. 3

Depth	Material	Remarks
0 - 10	Debris	
10 - 15	Diorite	With Fe3 04, FeS2, + CuFeS2
15 - 20	"	+ quartz stringers
20 - 25	"	" " "
25 - 30	"	" " "
30 - 36	"	" " "
36 - 39	"	" " "
39 - 44	"	" " "
44 - 49	"	" " "
49 - 54	"	" " "
54 - 59	"	" " "
59 - 64	"	" " "
64 - 70	"	Soft seam from 64' to 68'
70 - 78	"	With above accessories
78 - 86	"	" "
86 - 94	"	" "
94 - 103	"	" "
103 - 111	"	" "
111 - 119	"	Dark dike from 108' - 111'
119 - 128	"	Fe3, 04, FeS2, - CuFeS2
128 - 136	"	Dark dike from 120' - 121'
136 - 144	"	Fe3 04, FeS2 - CuFeS2
144 - 153	"	" "
153 - 161	"	" "
161 - 163	Dark dense dike	
163 - 172	" " "	
172 - 177	Diorite	
177 - 183	Diorite and dike	With Fe3 04, FeS2 + CuFeS2
183 - 187	Diorite	Dike from 181' - 183'
187 - 195	"	With Fe3 04 - FeS2 + CuFeS2
195 - 203	"	" " "
203 - 212	"	" " "
212 - 221	"	" " "
221 - 229	"	" " "
229 - 237	"	" " "

Location

Course

Dip

Length

HOLE NO. 5

Depth	Material	Remarks
0-7	Quartz	
7-13	Porphyry	With FeS2 + CuFeS2
13-20	"	With small qtz. stringers.
20-28	Dense black dike	With abundant hornblende
28-33	Diorite	With small quartz stringers
33-39	"	With abundant magnetite.
39-44	"	" " "
44-49	"	" " "
49-55	Dike (dark) - quartz	
55-60	Quartz	
60-65	Diorite	With Fe3 O4 - FeS2
65-73	"	" " "
73-82	"	" " "
82-90	"	" " "
90-98	Dense black dike	
98-108	Porphyry	
108-114	"	
114-122	Diorite - quartz	Small qtz. stringers
122-127	Diorite	With Fe3 O4 + FeS2
127-132	"	" " "
132-138	"	" " "
138-143	"	" " "
143-151	"	" " "
	LOCATION **	
	COURSE	
	DIP	
	LENGTH	151 ft.

HOLE NO. 6

Depth	Material	Remarks
0-20	Diorite	With Fe3 04, FeS2 + CuFeS2
20-26	"	" " " "
26-32	"	" " " "
32-37	"	" " " "
37-42	"	" " " "
42-47	"	" " " "
47-56	"	" " " "
56-65	"	" " " "
65-71	"	" " " "
71-79	"	" " " "
79-88	"	" " " "
88-97	"	" " " "
97-105	"	" " " "
105-114	"	" " " "
114-123	"	" " " "
123-131	"	" " " "
131-140	"	" " " "
140-148	Diorite - Quartz	Quartz from 146' - 147'
148-157	Diorite	With Fe3 04 - FeS2 - CuFeS2
157-165	"	" " " "
165-173	"	" " " "
173-182	"	" " " "
182-188	"	" " " "
188-195	"	" " " "
195-204	"	" " " "
204-211	"	" " " "
211-220	"	" " " "
220-229	Diorite and Porphyry	Porphyry from 226' - 234'
229-238	" " "	End of porphyry at 234'
238-247	Diorite	With Fe3 04, FeS2 - CuFeS2
247-256	"	" " " "
256-264	"	" " " "
264-272	Diorite and dike	Dike (basis) from 268' - 270'
272-281	Diorite	With Fe3 04, FeS2 - CuFeS2
281-289	"	Dike (basis) at 287' - 288'
289-297	"	With Fe3 04, FeS2 - CuFeS2
297-305	"	" " " "
305-313	"	" " " "
313-322	"	" " " "
322-328	"	" " " "
328-337	"	" " " "
337-346	"	" " " "
346-355	"	" " " "
355-364	"	" " " "
364-370	"	" " " "
370-379	"	" " " "
379-387	"	" " " "
387-395	"	" " " "
395-404	"	" " " "
404-406	"	" " " "
406-414	"	" " " "

HOLE NO. 6 (Cont.)

LOCATION	-----	North end Orange Hill. East side.
COURSE	-----	S. 65° 00' W.
DIP	-----	1° 15'
LENGTH	-----	414 ft.

HOLE NO. 7

Depth	Material	Remarks
0-20	Slide	
20-25	Diorite	With Fe_3O_4, FeS_2 + $CuFeS_2$
25-32	"	"
32-41	"	"
41-50	"	"
50-59	"	"
59-67	"	"
67-76	"	"
76-84	"	"
84-92	Quartz - diorite	"

LOCATION ----- West side Orange Hill. Center

COURSE ----- S. 73° 30' E

DIP ----- 7° 55'

LENGTH ----- 92 ft.

Hole abandoned at 92 ft. Caved ground at 50 ft.

HOLE NO. 8

Depth	Material	Remarks
0-10	Diorite	With Fe3 04, FeS2 + CuFeS2
10-18	"	"
18-26	"	"
26-35	"	"
35-43	"	"
43-48	"	"
48-55	Diorite - Porphyry	Porphyry from 52' - 55'
55-61	Porphyry	
61-69	Diorite and porphyry	Porphyry 61' - 67'
69-78	Diorite	With Fe3 04, FeS2 + CuFeS2
78-83	"	"
83-88	"	"
88-96	"	"
96-105	"	"
105-111	"	"
111-120	"	"
120-128	"	"
128-133	"	"
133-142	"	"
142-151	Diorite and Quartz	Quartz from 145' - 146'
151-159	Diorite	With Fe3 04, FeS2 + CuFeS2
159-167	"	"
167-176	"	"
176-185	Porphyry	"
185-194	Diorite	"
194-200	"	"
200-208	"	"
208-216	"	"
216-225	"	"
225-234	"	"
234-238	"	"
238-247	"	"
247-256	"	"
256-264	"	"
264-273	"	"
273-282	"	"
282-291	"	"
291-299	"	"
299-305	"	"
305-311	"	"
311-319	"	"
319-327	"	"
327-332	"	"
332-340	"	"

HOLE NO. 8 (Cont.)

Depth	Material	Remarks
340-348	Diorite	With Fe_3O_4, FeS_2 + $CuFeS_2$
348-356	"	"
356-365	"	"
365-373	Diorite and quartz	With abundant FeS_2
373-382	Diorite	With Fe_3O_4, + FeS_2
382-391	"	" " "

LOCATION ---- South end Orange Hill.
West side.

COURSE ---- N 59° 00' E

DIP ---- 16° 30'

LENGTH ---- 391 ft.

HOLE NO. 9

Depth	Material	Remarks
0-18	Garnet	
18-25	"	
25-30	Garnet - Greenstone	Garnet to 28'
30-38	Greenstone	With FeS2 - CuFeS2
38-43	"	"
43-51	"	Greenstone is fine
51-60	"	grain grayish green
60-69	"	rock somewhat resemb-
69-77	"	ling chert. The pyrite
77-78	"	occurs in it in banded
78-84	"	layers 1/8 inch thick,
84-89	"	and also finely dis-
89-94	"	cominated throughout.
94-100	"	"
100-105	"	"
105-112	"	"
112-117	"	"
117-123	"	"
123-128	"	"

HOLE NO. 10

Depth	Material	Remarks
0-8	Garnet	With no sulfides
8-14	"	
14-17	"	
17-21	Garnet - sulfides	FeS2 + CuFeS2
21-26	Garnet	
26-30	"	
30-33	"	
33-39	"	
39-45	"	
45-51	"	
51-56	" - Fe3 O4	Fe3 O4 12" wide
56-62	Garnet	
62-70	"	
70-74	"	
74-82	"	
82-87	"	
87-92	"	
92-96	Garnet + FeS2 and Fe3 O4	Magnetite at 95 ft.
96-101	Magnetite	Black massive
101-106	Magnetite - greenstone	Mixed
106-108	"	Through magnetite 107'
108-112	Greenstone	With little FeS2