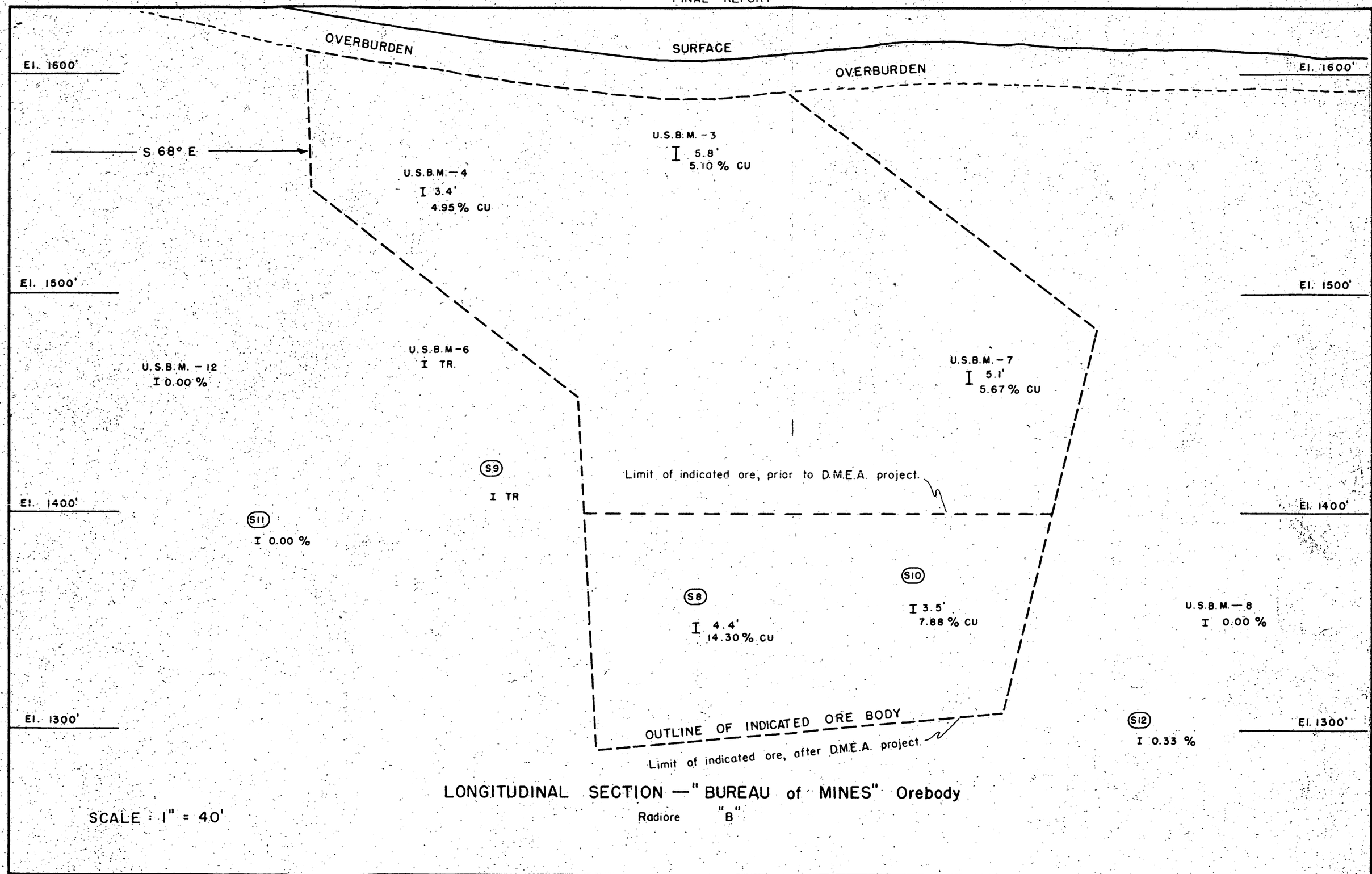

LONGITUDINAL SECTION — "BUREAU of MINES" Orebody
Radiore "B"

SCALE : 1" = 40'

List of abbreviations used in diamond drill logs

GRD.	Granodiorite
Apl.	Aplite
Chlor.	Chlorite or Chloritic
Ser.	Sericite or Sericitic
Alt.	Alteration
Min.	Mineralization
CP.	Chalcopyrite
BO.	Bornite
/_70°	Angle with Axis of Core =70°
Dissem	Dissemination
f.g.	Fine Grained
c.g.	Coarse Grained
Hem.	Hematite
Qtz.	Quartz
fract.	Fracture
and.	Andesite
occas.	Occasional
v.	Very
ep.	Epidote
sulph.	Sulphides
CU.	Copper
d.	Dark
l.	Light
amt.	Amount

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DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED
0'	-30°	-30°
254'	-35°	-20°

LEVEL	SURFACE	LAT.	14881.75
LOCATION		DEP.	8631.52
ELEVATION	1290.03	BEARING	N25°E
FINISHED	JUNE 9, 1955	LENGTH	254

HOLE No.	S-1
SHEET No.	1
LOGGED BY	J.H.P
TOTAL RECOV.	93.0 %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	2			GRD. CASING CORE
2	85.7			Massive unalt GRD.
				32.0' Vuggy Qtz vein. No min.
85.7	86			F.g. grey speckled dyke ∠45°
86	92			GRD.
92	92.5			Similar dyke ∠60°
92.5	239			Fresh unalt GRD.
239	239.5			Aplite dyke with border of fine limonited dark mineral. Limonitons and contact @ ∠45°
239.5	254			Fresh unalt. GRD.
				244.5 Epid. in ½" fract @ 45°
				254' END of HOLE

CORE ASSAYS SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG	AVERAGE

SLUDGE ASSAYS SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
0-6.4	0		
14.6	.1		
22.4	.0		
31.1	.6		
40.9	1.3		
49.0	.2		
55.8	0		
64.9	.7		
74.0	.8		
82.9	.8		
91.6	.9		
100.2	.3		
108.9	0		
118	.3		
127	.3		
136	.4		
145	.6		
153.4	.4		
161.7	0.		
170.7	.8		
180	1.6		
190	1.		
199.5	1.1		
209	1.4		
218.5	0		
227	.4		
244	2.3		
254	1.6		
	17.9		

COLUMBIA PRINTING CO.

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED
0	-90°	

LEVEL	SURFACE	LAT.	14,734.94
LOCATION		DEP.	8,483.28
ELEVATION	1219.39	BEARING	N25°E
FINISHED	JUNE 14, 1955	LENGTH	250.5

HOLE No.	S-2
SHEET No.	1
LOGGED BY	J.H.P.
TOTAL RECOV.	90.7 %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	117			Unalt. massive Geo 36.6' ¼" fract with epid. 113.5' 2" apl. dyke ∠40°
117	118			Greenish brown basic dyke with amygdules of soft white min. ∠ obscured.
118	135			Geo. Mafics have slightly brownish tinge.
135	148			Normal massive Geo.
148	200			Geo with slightly brownish mafics. 156' Narrow rusty fract. ∠ obscured 170' " " " ∠ " 188 " " " ∠20°
200	250.5			Massive unalt. Geo with fresh "black & white" appearance. 217' Narrow rusty fract. ∠35° Lost 2 runs pulled 8' sections of core in one piece. 250.5' End of Hole.

CORE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG	AVERAGE

SLUDGE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.
W52	130	140	0.02		
W53	180	130	Tr.		

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
0-36	0		
8.5	.0		
13.5	.9		
18.5	0		
23	0		
28	0		
33	0		
37.5	0		
39.7	.2		
44.6	0		
49.5	0		
55.	4		
60	0		
65.2	.1		
70.4	.1		
75.4	.1		
80.4	0		
88.5	.2		
100.6	.3		
105.8	1.2		
110.8	.2		
117.1	1.8		
125.8	3.5		
135.8	3.8		
144.4	1.0		
146.9	0		
157.5	4.7		
167.6	1.9		
176.6	1.7		
185.6	.7		
192.9	0		
201.1	0		
209.4	.2		
217.4	0		
225.9	0		
233.9	.0		
242.5	.2		
250.5	0		
	23.2		

COLUMBIA PRINTING CO.

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED
0	-30°	-30°
200	-36°	-30°
400	-26°	-30°

LEVEL: SURFACE
LOCATION:
ELEVATION: 1387.60
FINISHED: JUNE 29, 1955

LAT. 13,996.71
DEP. 9927.95
BEARING N19°23'E
LENGTH 403

HOLE No. S-3
SHEET No. 1
LOGGED BY J.H.P.
TOTAL RECOV. 85.9%

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	2			Grd "N" Core
2	27			" "B" Core
27	52			Massive normal Grd. unalt.
52	70			Grd with more pronounced felspars & fewer mafics
70	71			Dark grey speckled dyke ∠60°
71	88			Aplite dyke.
88	149			Unalt Grd.
149	152.2			Aplite dyke ∠35°
152.2	180.5			Unalt. Grd.
180.5	188			Dk grey green basic dyke with ¼" rounded white amygdules. Borders obscured.
188	201			Grd.
201	201.2			Basic dyke like above
201.2	242.0			Unalt. Grd.
242.0	244.5		Cp.	Unalt. Grd. with 1/16" veinlets Cp about 2" apart
244.5	258.8			Massive unalt. Grd.
258.8	263			Shattered Grd. No min. or alt.
				¼" fract. with epidote @ 258.8 ∠50°
263	332			Unalt. Grd. Narrow fract. with hem. @ 278' ∠50°
				Occas. hairlike fract with epid. ∠s 50°-60°
332	346			Lt grey aplite dyke, mostly f.g. but with dk grey speckled borders, and some speckled sections in center of dyke. Contacts ground off.
346	384.5			Normal Grd
384.5	384.6		Cp. Bo.	Narrow fract. (probably less than 1/16") with Cp and Bo. No alt. vein ∠30°. A little epid. a few inches below fract.
384.6	403			Unalt. Grd. Core shattered from 395 to end but no min. or alt.
				403' End of Hole

CORE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE
W62	242	244.5	0.06			

SLUDGE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
0-6	1.	332.	.5
6-17	1.9	341	.7
27.4	0	351	1.6
35.6	0	360	.5
43.	.3	368	3.5
52	.4	377.7	1.3
60	2.5	387	.7
70	1.5	395	2.8
78	2.	403	0
85	3.1		
88	.8		57.0
96	7.		
102	2.2		
108	1.1		
118	1.7		
128	1.7		
138	1.5		
148	1.6		
158	1.4		
161.5	.4		
170.	0		
180	1.8		
190	1.6		
198.6	.4		
206.6	0		
214.8	.4		
222.2	.1		
231.8	.5		
242	1.8		
253.5	.8		
264	0		
274.2	1.		
284	1.4		
291.5	0		
299.6	0		
309.9	3.5		
317.1	.3		
325.3	0		

COLLINS & PRINTING CO.

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED
0	-40	-40
200	38°	-31
400	40°	-32

LEVEL	SURFACE	LAT.	13,949.34
LOCATION		DEP.	10,122.64
ELEVATION	1382.57	BEARING	N 17°59'E
FINISHED	JUNE 30, 1955	LENGTH	401

HOLE No.	S-4
SHEET No.	1
LOGGED BY	J.H.P
TOTAL RECOV.	74.3 %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	23			Overburden: clay + boulders
23	77			Lt. dore grey rock with occas. 1/16" dark specks
				Aplite dyke or light alt. phase of Geo.
				Core badly broken.
77	81			Eq. dark grey basic dyke
81	101			Same lt. grey aplite or alt. Core reduced to 'Ex' at 81'
101	134			Normal Geo.
134	139			Aplite dyke
139	180			Geo. Slightly lighter and with less mafics than normal. 141.0-141.5 Rusty fract. with Epid.
180	187.4			Dk. grey green basic dyke with 1/16" dark phenos and occas. rounded white amygdules. ∠60°
187.4	286			Normal Geo.
286	287			Aplite dyke.
287	295			Normal Geo.
295	385			Geo with much fewer mafics and frequent pink feldspars. Much lighter in appearance than normal. In a few places ground mass has pale green tinge.
385	401			Geo with mafics more pronounced than previous but still less than normal. A few 1/4" rusty fractures but no min.
				401 End of Hole

CORE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE

SLUDGE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
23.28	1.9	292.0	2.7
34.0	3.1	300.8	.1
37.0	.4	309.8	2.6
46.0	6.3	319.4	1.2
53.0	3.8	328.9	1.0
55.0	.6	337.0	.0
57.0	.3	347.0	6.9
60.3	.0	356.5	1.1
61.8	.0	364.0	.2
72.6	9.3	372.6	.3
76.0	1.6	381.4	1.1
79.0	1.9	389.4	2.8
82.6	.0	393.0	1.0
85.0	1.3	397.6	2.3
87.3	.5	401.0	.6
92.0	3.9		
93.3	.9	297.8	103.2
102.0	7.6		
111.6	3.7		
122.0	1.8		
132.0	.6		
141.0	.8		
147.9	2.4		
156.6	2.3		
166.2	.2		
175.0	1.2		
184.0	.5		
192.4	.2		
202.6	1.9		
211.9	.7		
220.0	2.6		
228.0	4.4		
238.0	1.3		
244.0	1.6		
249.4	.2		
259.4	2.5		
269.8	2.0		
281.0	4.9		

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED
0	-40°	-40°
320	-36°	-30°

LEVEL	SURFACE	LAT.	Y4073.93
LOCATION		DEP.	9,750.25
ELEVATION	1389.48	BEARING	N 18°57 E
FINISHED	JULY 9 1955	LENGTH	396

HOLE No.	S-5
SHEET No.	1
LOGGED BY	J.H.P.
TOTAL RECOV.	90.1%

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	14			Overburden. Clay & boulders
14	61			Normal Frost Geo. "BX" Core
				52-53 Dk gray green basic dyke. Rusty contact
61	117			Normal unalt. Geo.
				65. Narrow rusty fract.
117	123.3			Geo with blotchy appearance. Some chl. alt., probably due to following dyke. No min.
123.5	133			F.g. dk grey green to black basic dyke with 1/16" rounded white amygdules. A little chlorite. No Cu min.
				Contacts obscured.
133	134			Altered Geo like first contact
134	156			Unalt. Geo.
156	159			Geo with chl. alt. Some hem. but no Cu min.
159	175.2			Dark grey, f.g. aplite dyke with some Geo inclusions
				Contacts irreg. L 20°
175.2	213			Unalt. Geo. 1" Apl. dyke at 200'
213	214			Geo with a few narrow fract. with hem. & chl.
214	263			Unalt. Geo.
263	267			Geo with occas. patches of dark alteration and prominent larger than usual Feldspars. No Cu min.
267	267.2		Cu, Mal.	Fracture with Qtz. and a few specks of Cp and Mal. 60°
267.2	275			Geo with numerous 1/16" fract. with Qtz. L 70°
275	297			Geo with occas. sections of speckled grey-black rock possibly Geo with matrix much smaller than usual. Contacts not sharp. Does not appear to be dyke.
297	344			Geo with large irreg. matrix
344	347			A little Dark chl. alt. No Cu min.
347	348.2			Grey clayey gouge. Fault. A little chl. alt. with hem. on last contact.
348.2	361.5			Unalt. Geo.
361.5	380.5			Lt grey f.g. Aplite Dyke.
380.5	396			Unalt. Geo.
				396 End of Hole.

CORE ASSAYS						
SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE

SLUDGE ASSAYS					
SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
14-18	0.4	232.6	.2
26	0	240.5	5.3
35	.6	249	.2
43	.5	257	.8
51.5	0	260	.3
53	0	267	0
54.3	0	270	1.3
57	.3	275.7	1.5
61	.1	284	0
65	2.5	292	0
73	0	297	.6
81	.2	305	.0
89	0	313	0
98	1	321	0
106	0	329	0
112	1.5	337.6	.4
116	.1	345	0
117.6	0	348.2	.7
122	.4	357	.4
126	.8	362	0
127	0	366	.7
127.6	0	367	.1
137	1.1	369	0
145	0	370.6	0
154	.5	372	0
155.9	.2	376.5	.2
158.5	1.3	379.6	.3
160.8	0	380.4	1
165.1	1.1	391.7	.2
171.2	.3	396	.7
176.6	0		
186.6	3.2		33.2
192	2.3		
197	2.1		
201	2.2		
209.6	0		
215.6	1		
224	0		

COLUMBIA PRINTING CO.

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED
COLLAR		-80°

LEVEL	SURFACE	LAT.	14,850.09
LOCATION		DEP.	10,292.95
ELEVATION	1367.18	BEARING	S 19°05'W
FINISHED	JULY 15, 1955	LENGTH	278

HOLE No.	S-6
SHEET No.	1
LOGGED BY	J.HP
TOTAL RECOV.	70.1%

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	10			Geo "B" core
10	47			Geo. Mafics larger and more plentiful than normal.
47	50			Rusty fract. zone. No min.
50	59			Geo.
59	69			Alt. Geo. rather crumbly and decomposed with prominent feldspars, partly kaolinized. A few small patches chlorite and a little hem. but no Cu min.
69	93			Normal Geo.
93	167			Aplite Dyke 97-143 hard f.g. dove grey with a few 1/16" mafic & felds. phenos. 143-153 color changes to greenish grey 153-167 Greyish-green soft, kaolinized dyke with bands of soft white limey-looking material. A few narrow rusty bands at last contact.
167	236			Normal unalt. Geo
236	245			Geo with much fracturing. Hem. fairly plentiful. A little chlorite. No cu. min.
245	278			Massive unalt. Geo. 266' 2" band of chlor. alt. No cu min.
				278' End of Hole

CORE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG	AVERAGE

SLUDGE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.
W190	230	240	Tr.		

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
0-11.6	1.0	182.0	2.0
13.6	.4	196.6	2.0
20.2	2.8	188.0	.8
23.0	.7	192.0	1.5
27.2	1.4	198.6	1.2
34.8	1.4	204.6	.9
40.2	1.7	212.0	1.9
47.0	3.3	215.6	.4
49.7	1.7	223.0	.6
53.0	1.7	226.8	.3
61.0	6.0	230.0	.2
67.0	3.8	236.0	1.1
69.0	1.0	243.0	3.6
77.6	4.9	245.0	0
83.6	.7	247.6	0
87.6	1.8	255.0	1.2
95.0	3.1	261.6	2.3
99.0	.9	270.0	.2
107.0	4.6	278.0	1.5
109.6	.9		
112.6	1.0		0.8
118.6	3.0		
120.0	0		
123.0	1.5		
126.5	1.3		
130.0	.3		
133.0	1.0		
137.0	2.0		
139.0	.1		
143.0	2.2		
146.0	0		
150.6	.9		
155.6	0		
157.9	.1		
163.0	1.6		
169.0	2.0		
173.0	1.3		
177.0	0		

COLUMBIA PRINTING CO.

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS						
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LEVEL: SURFACE	LAT. 14,436.90	HOLE No. S-7
			LOCATION	DEP. 10,758.90	SHEET No. 1
COLLAR		-30°	ELEVATION 1535.69	BEARING N 19°30'E	LOGGED BY J.H.P
			FINISHED JULY 11 1955	LENGTH 255'	TOTAL RECOV. 82.2%

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	28			OVERBURDEN
28	36			Unoil. Geo with a few rusty fracs. "B" Core.
36	56			Unoil. Geo.
56	71			Geo with slightly brownish matrix. Numerous rusty fracs 140 No Cu min. Some hem.
71	167			Normal Geo. More broken than usual. Occasional narrow rusty fracs. Frac with hem @ 91'. 126'
167	170			Geo with a general pale green tinge. Some dark green chlorite and a little hem. No Cu min.
170	212			Normal Geo. More massive than first part of hole. Core in larger pieces. A few stringers of epidote.
212	215			Geo with a little chlorite. No Cu min. A few specks of soft [illegible]
215	255			Massive unoil. Geo. No oil or min.
				255 End of Hole

CORE ASSAYS SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE

SLUDGE ASSAYS SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.
W132	100	110	0.04		
136	110	120	0.08		
135	120	130	0.03		
W134	130	140	0.12		

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
28.236	.2	205-213	1.7
33	.0	221	4.0
36.6	.1	229	1.5
46	4.1	237.6	.3
54	3.7	246.6	.4
57.9	1.0	255	0
60.8	0		
66.8	1.3		45.2
71	0		
72.6	0		
76.6	.3		
78	.4		
81.6	0		
85.6	1.3		
87	0		
92	.5		
99	4.6		
108	2.9		
117.3	2.1		
124.8	1.9		
131	2.7		
138.5	3.2		
142.7	.2		
148	0		
151	.9		
156	.4		
158	.4		
160	0		
164	.7		
167	.7		
171.8	1.6		
175.8	1.4		
179	0		
187.2	0		
191.8	.3		
195.4	.2		
200.4	0		
205	0		

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED
0	-30°	-30°
230	-30½°	-30°

LEVEL	SURFACE	LAT.	14,114.61
LOCATION	~~1400.70~~	DEP.	11,238.05
ELEVATION	1499.78	BEARING	N 21°03'E
FINISHED	JULY 27 1955	LENGTH	306

HOLE No.	S-8
SHEET No.	1
LOGGED BY	J.H.P.
TOTAL RECOV.	89.6%

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	20			Overburden
20	26			Geo. Bx. Core
26	232			Unalt. normal Geo. 163 Barren Vuggy Qtz vein.
232	233			Pink Aplite dyke with a little barren chl. alt along last contact
233	263.5			Unalt Geo. At 263' there are a few grains Cp in unalt Geo.
263.5	266.5			Grd with barren Chl. alt.
266.5	280.6			Unalt. Geo.
280.6	282			Chlor. alt with a little Cp.
282	283		Heavy Cp.	Soft Alt. zone with sericite and chlorite. Heavily mineralized with f.g. dissem. Cp.
283	284.8			F.g. dark grey green Bas. dyke. Contacts broken and indistinct.
284.8	287.8		Heavy Cp.	Ore Zone. Sericite and chlorite alt. well min. with f.g. dissem. Cp. Core badly crushed but not much loss. Ground very carey giving much trouble drilling.
287.8	294			Geo. with chl. alt and epidote. No Cu min.
294	299		Cp.(?)	About 1' of broken core recovered. Also 1.5' of concentrates fine grained chalcopyrite in ore barrel. Very likely this washed down from above and was concentrated by the wash water & was then picked up by ore barrel. Core recovered is barren.
299	303.3		Cp	Coarse massive Cp with Qtz. (Maybe come from above) and Sericite.
303.3	308.0			Alt. Geo. with some chlorite on fractures. One 6" zone of crushed Mylonized feldspar and hem. No Cu.
308.0	308.3		Cp	Coarse Cp with Qtz and Sericite. Same as 299'. (May have dropped down from above.)
308.3	306			Geo with a little chl. on fract. No Cu min.
				Hole stopped at 306' because of drilling difficulties
				Hole reamed & cased to 300' but impossible to get rods or casing further. Hole badly caved 282'-299. Much core in material brought up by wash water.

CORE ASSAYS SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE
W142	282	283	13.2	0.17	0.54	
143	299.8	287.9	14.2	0.19	0.60	
144	287.8	291	0.16			
W163	294*	299.5*	20.3	0.40	0.8	
	* See core log					

SLUDGE ASSAYS SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.
W154	30	40	TR		
155	40	50	0.03		
156	50	60	0.04		

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
20-26	0	279.0	1.2
34	0	280.6	.3
44.6	5.3	283.4	1.4
53.8	5.5	284.0	0
55.6	0	286.0	0
59.2	0	287.6	0
64.9	0	288.9	0
67.2	3	294.0	0
75.6	.2	299.0	.4
84.0	.2	303	0
92.0	0	306	0
100.0	0		
108.0	0		
112.0	.3		
120.0	.4		
128.0	0		
136.8	.3		
144.8	0		
152.3	0		
161.6	.6		
170.0	0		
178.0	0		
186.4	.3		
194.0	0		
202.0	0		
210.6	.6		
218.0	0		
226.0	1.2		
231.0	2.8		
236.6	1.0		
241.6	.6		
243.6	0		
248.6	.4		
255.6	2.2		
262.0	1.6		
266.5	0		
272.0	0		
275.0	.3		

COLUMBIA PRINTING CO.

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED
0	-80°	-80°
300	-87°	-84°

LEVEL: SURFACE
LOCATION:
ELEVATION: 1515.95
FINISHED: JULY 28, 1955

LAT. 14,149.58 } 5.7' from collar
DEP. 11,146.53
BEARING: N 22° 13' E
LENGTH: 366

HOLE No.: S-9
SHEET No.: 1
LOGGED BY: J.H.P.
TOTAL RECOV. 80.8%

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	18			Overburden
18	41			BX Core Unalt Geo.
41	65			Unalt Geo. Felsp. slightly pinkish in places
65	135			Normal unalt Geo. 2" Barren Qtz veins with chlorite at 67' and 84'
135	156			Geo with epidote & chlorite. Barren
156	155			Unalt Geo
155	161			Geo with a little chl alt. No Cu min.
161	202			Unalt Geo.
202	215			Geo with slight amt chl alt. No Cu min.
				Core badly fractured with chlor & some hemm fract.
215	217.5			Unalt Geo
217.5	219.5			Decomposed Geo. Almost entirely sand like, with qtz grains and yellow-brown flakes of biotite and phlogopite (?)
219.5	279			Unalt Geo Short crushed zone @ 239 but no Cu min.
279	280			Aplite dyke
280	285.3			Geo with chlorite on fracture
285.3	292.8			Dark chl alt with a little mal. and a few grains Cp. 1.6' 1.2' of core recov. Zone does not look at all like ore zone in S-8. No sericite or sulphides, which cored fairly well. Very doubtful that last core was ore.
292	293			Soft, clay like, light grey-green chl gouge. No Cu min.
293	306			Highly alt Geo with much chlorite and kaolinized felspars
306	324			Geo, slight amt chl alt
324	327			Fract zone with hem & Fe'o
327	366			Geo with much alt of felspars. Kaolin on many of fractures. Minor chl alt. but no Cu min.
				366 End of Hole

CORE ASSAYS

SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG	AVERAGE
W150	217.5	219.5	0.05			
157	285.3	292	.78			
158	311	312	0.11			
W159	318	319	0.15			

SLUDGE ASSAYS

SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
18-27	.4	296.8	0
32.6	0	299.6	.8
41.7	.7	306.1	2.4
48.0	0	311.1	1.3
57.0	.8	318.0	4.5
65.3	.0	327.0	4.4
73.4	0	333.0	3.0
82.4	.7	336.0	.9
92.2	1.4	342.6	.8
101.6	1.1	346.2	.2
109.8	.7	351.0	3.6
117.8	0	360.6	4.7
129.9	1.9	366.0	2.2
136.0	.4		
145.2	1.		
155.0	1.4		
160.8	1.1		
169.6	.7		
176.5	.2		
186.3	1.8		
191.6	2.3		
199.0	.3		
206.0	2.3		
214.0	4.7		
217.6	.2		
219.6	0		
223.0	.4		
233.0	0		
238.4	.1		
240.4	0		
248.4	1.6		
253.8	1.7		
262.6	2.4		
269.4	.7		
276.7	1.0		
280.6	0		
284.8	.6		
292.8	5.9		

COLUMBIA PRINTING CO

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY *INDEX MINE*

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED
0	-30°	-30°
230	-34°	-30°

LEVEL *SURFACE*	LAT. *14080.96*	HOLE No. *S-10*
LOCATION	DEP. *11,329.67*	SHEET No. *1*
ELEVATION *1491.10*	BEARING *N21°E*	LOGGED BY *J.H.P.*
FINISHED *AUG 4, 1955*	LENGTH *297'*	TOTAL RECOV. *84.8%*

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	18			OVERBURDEN
18	24			NX & BX CORE Unalt. GRD.
24	222.5			Unalt. GRD. Narrow Aplite dykes (or alt.) at 165 • 172
222.5	224			Barren Chl. alt.
224	262			Unalt. GRD.
262	270.3			GRD with a little chlorite & epidote. No Cu min.
270.3	274.4			ORE ZONE. First 0.5' chl. alt with dissem Cp. Then 2.0' massive f.g. Cp with much sericite and some chl. Last 1.6' Almost wholly sericite, with some Cp. Very sharp contact at 274.4 with 0.1' GRD with much epidote, then barren, unalt GRD. 140° Core recovery in ore zone nearly perfect. Used 5' ordinary core tube & barrel and much care.
274.4	297			Unalt. Barren GRD
				Hole started caving from action of water on sericite in ore zone and made it impossible to get rods to bottom. Hole stopped at 297'

CORE ASSAYS SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE
172	270.3	271.9	8.32	0.04	0.65	
173	271.9	274.4	7.14	0.02	0.60	

SLUDGE ASSAYS SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.
W174	220	230	0.04		

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
18-24	0	257.0	0
37.0	0	260.1	.8
42.0	.6	262.6	.6
47.0	.7	266.0	2.0
48.0	0	267.6	0
52.0	.7	270.0	.2
55.0	.3	272.8	.1
58.6	1.1	276.0	.0
66.0	4.6	280.9	0
73.0	5.0	285.5	.5
79.6	3.1	291.8	.0
87.6	0	297.0	.0
93.0	1.3		
100.0	1.6		A.A.
108.0	1.4		
111.6	1.7		
115.0	0		
122.0	.5		
130.0	.7		
138.0	0		
144.8	.8		
152.0	2.6		
158.8	.2		
167.1	.3		
170.1	.6		
176.6	.2		
184.6	0		
192.6	0		
201.0	3.7		
209.0	0		
217.0	0		
225.0	1.6		
231.4	.8		
235.8	1.1		
238.8	.4		
245.3	1.0		
248.8	0		
254.5	1.5		

COLUMBIA PRINTING CO

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY *INDEX MINE*

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED
0	-30°	-30°
300'		

LEVEL	*SURFACE*	LAT.	*14,182.06*
LOCATION		DEP.	*11,056.83*
ELEVATION	*1518.70*	BEARING	*N20°01'E*
FINISHED	*AUG 5, 1955*	LENGTH	*325'*

HOLE No.	*S-11*
SHEET No.	*1*
LOGGED BY	*J.H.P.*
TOTAL RECOV.	*67.6 %*

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	17			OVERBURDEN
17	20			NX Core Unalt Grd
20	47			Bx " " "
47	80			Ax " " "
80	132			Grd with occas. short barren zones of chl. alt. Core is broken with poor recovery.
132	133			Fract. with gouge & kaolin. No min
133	136			Grd with a little chl. alt. No Cu min.
136	254			Unalt. Grd.
254	254.5			Rusty fract. with a little barren chlorite.
254.5	258			Unalt. Grd.
258	263.7			Grd. fract & alt. with a little chlorite. Felspars have slightly pinkish tinge. A little epidote.
263.7	284			Unalt. Grd.
284	298			Grd with slight chlor. alt. Core quite broken but no Cu min. May be zone
298	325			Unalt Grd.
				325' End of Hole.

CORE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE

SLUDGE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.
W175	80	90	0.03		
176	90	100	0.03		
177	100	110	0.03		
178	110	120	0.04		
179	120	130	0.03		
186	230	240	0.03		
187	250	260	0.04		

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
47-56.4	.3	301.3	.2
65.0	1.7	303.5	1.1
74.4	6.6	312.4	.8
84.2	3.8	320.5	1.1
93.0	3.0	325.0	2.1
101.2	4.3		—
111.7	4.8		90.0
118.7	3.0		
126.2	2.9		
133.0	.2		
140.4	2.2		
146.2	1.6		
153.0	.8		
161.8	.4		
170.6	2.7		
179.4	2.5		
187.0	2.8		
192.8	1.4		
195.3	0		
200.8	3.3		
208.3	4.7		
216.6	4.3		
225.4	5.7		
233.0	3.5		
241.0	5.4		
248.2	2.1		
252.6	1.1		
258.4	1.1		
263.8	3.4		
272.0	.2		
277.8	2.2		
283.0	.1		
285.5	0		
288.8	0		
294.0	3.0		
296.6	.6		
298.0	0		
300.0	0		

COLUMBIA PRINTERS CO

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS				
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LEVEL: SURFACE	LAT. 14,038.61
			LOCATION	DEP. 11,424.60
COLLAR	-80°		ELEVATION 1480.91	BEARING N 21°07 E
			FINISHED AUG. 23, 1955	LENGTH 747'

HOLE NO. S-12
SHEET NO. 1
LOGGED BY J.H.P. - J.M.S.
TOTAL RECOV. 93.7 %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	20			Overburden
20	28			"NX" Core. Unalt. Grd.
28	35			Barren Grd with slight chl. alt. Felspars larger than normal.
35	40			Normal unalt. Grd.
40	46			Barren chl. alt. with a little kaolinization of felsp.
46	89			Unalt. Grd.
89	92			Slightly alt with chl. on fracts. No Cu min.
92	177			Unalt. Grd.
177	182			Unalt. Grd with occas. bands of hard pink alt. with patches of chlorite. No Cu min.
182	226			Unalt. Grd. 1" band barren pink alt @ 193 1/2" " epidote @ 207
226	230			Alt. Grd with some chl. and much kaolinization of felspars. Several 1" to 2" bands of soft gray almost clay like kaolin. (does not appear to be gouge.) No Cu min.
230	242			Barren alt. Grd with more chlorite and less kaolin than prev. seat
242	246			Barren Grd, highly alt with chlorite and a little kaolin.
247	276			Unalt. barren Grd.
276	276.3		Cp	Broken chlor. zone with slight Cp min.
276.3	282			Barren Grd. slightly chlor.
282	293			Unalt. barren Grd
293	298.3			Barren Grd, slight chlor. alt.
298.3	300.3			Numerous narrow sections of aplite
300.3	330			Barren Grd. 2 bands of epidote 1/16" at 313' Rusty fractures at 317.5
330	339			Barren Grd., slight chlor. alt.
339	367			Barren Grd. feldspars are slightly more pinkish than normal
367	455.5			Normal Grd.
455.5	456			Muddy dark red fracture (Hematite?)
456	469			Grd, slightly chlor.
469	548.5			Normal Grd. Pinkish zone 473.4-475' Few blebs of epidote at 499' 509'-510' slight chlor. alt. along fracture ∠0°

CORE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE
W198	271.6	273.3	Tr.			
W199	273.3	276.3	0.33			
W200	276.3	278.3	Tr.			
W204	566	569	Tr.			
W205	569	574	0.11			
W206	574	577.5	0.02			
W207	577.5	580	0.09			
W208	580	583	Tr.			
W209	583	586	0.02			
W210	586	586.5	0.04			
W211	597.9	599.2	Tr.			

SLUDGE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.
W221	270	280	0.36		

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
485-456	0		
465.2	.11		
473.4	1.6		
485.6	0		
487.6	0		
493.9	.8		
502.6	.6		
512	.5		
530.5	.9		
539.9	1.3		
548.8	.4		
557.8	0		
566.8	.3		
575.5	0		
584.4	.5		
594.1	.8		
605.1	.7		
611.7	.2		
620.7	.8		
630	.4		
638.9	.7		
647.2	.2		
656	.1		
660	0		
668.6	.5		
676.8	.1		
685.8	.6		
694.2	.2		
702.4	.2		
710.9	.4		
719.9	.6		
728.6	2.2		
736	0		
737.3	0		
747	1.2		
	59.8		

COLUMBIA PRINTING CO

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS			LEVEL: SURFACE	LAT.	HOLE No. S-12
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LOCATION	DEP.	SHEET No. 2
			ELEVATION	BEARING	LOGGED BY
			FINISHED	LENGTH	TOTAL RECOV. %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
548.5	560.9			GRD. becomes darker than normal
				558.2 - 2 bands (1/8") epidote ∠40°
				559.7 - 2 bands (1/8") epidote ∠30°
560.9	561.9			Nearly all mafics.
561.9	569			Unalt. GRD.
569	574		Cp	Much darker than normal due to increased amounts
				of mafic. Few scattered pieces Cp. Hairlike
				bands Cp. at 570.5' and 572' ∠65°
574	577.5			Unalt. GRD.
577.5	580			GRD. has two darker bands at 577.7 and 579.8
				Both show small blebs of Cp along fracture planes
580	613.5		(Cp)	Unalt. GRD., barren except for slight Cp on
				fracture planes at 586.3', 598' and 599'
613.5	615			Feldspar crystals are larger and about 1/3 are
				pinkish color. Composition approaching qtz monzonite
615	616			Some feldspars are light green.
616	654			Unalt. GRD.
654	661			GRD - Crystals are smaller and proportion of
				mafic is smaller than normal.
661	663.6			Unalt. GRD.
663.6	670			GRD - Smaller crystals and less mafic than normal
670	671			F.g. light colored zone. No mafics
671	694			GRD - lighter than normal due to less mafic
694	747			Unalt. GRD.
				747' is the End of the Hole

CORE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE

SLUDGE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
28-30.5	0	233.4	0
33	0	237.6	8
35	0	249	9
41.4	0	252.2	0
42.8	6	261.8	6
46	1.1	263.4	3.1
51	0	271.6	0
51.8	0	276.4	0
56	0	280.8	.8
57.8	0	284.5	0
67	0	288.2	
75.6	.4	290	0
83.9	0	294.8	1.2
88	0	298	1.0
90	0	299	0
91.9	0	302	.6
93.4	.2	308.5	.1
101.8	.9	317.1	.2
110.2	.2	320.7	0
119	.3	324.9	2.6
127.6	.3	332.3	3.5
132	0	338.2	4.8
141.6	2.2	342.8	5.3
145	0	348.9	4.1
151	0	352	0
159.5	.6	357.5	.6
168	[illegible]	360.9	0
174	2.7	367	1.9
180	3	373	[illegible]
184.9	2.4	381.3	[illegible]
188.8	0	388.9	.7
197.3	.7	396.2	.6
206.2	0	405.2	.3
210	0	415.7	.4
218.9	0	423.5	.2
223.4	.3	431.7	.2
227	.8	440	.3
237.9	0	448.5	.2

COLUMBIA PRINTING CO

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: Index Mine

DIP TESTS			LEVEL: Surface	LAT. 12,578.85	HOLE No. S-13
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LOCATION:	DEP. 14,147.63	SHEET No. 1
Collar	Vertical	Vertical	ELEVATION: 1846.04	BEARING: N 35° 0' E	LOGGED BY: J.H.R. & J.M.S.
150'	-74°	-74°	FINISHED: Sept. 1, 1955	LENGTH: 777'	TOTAL RECOV. 79.3 %
300'	-73°	-73°			
700'	-75°	-75°			

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	26			Overburden
26	46			Unalt. GRD. 26-46 8x Core
46	61			Barren Rusty shear zone 15°
				Some chl. alt. with no sulphides but occas. light brown mica (phlogopite?)
61	66			Unalt. GRD.
66	67			4x Core. Chl. GRD. Barren Rusty shear at 66.7 ∠ 40°
67	113			Barren unalt. GRD. 1' bleached zone at 75°. 98.5 - 101 - Bleached zone
113	119			Chl. alt. with no sulphides. Rusty fractures ∠ 45°
119	199.4			Barren unalt. GRD. Barren rusty fracture at 156 with a few specks of epidote
199.4	219			GRD - slightly bleached with numerous fractures containing kaolin
219	221			Light grey green dyke. Narrow rusty layers ∠ 45°
221	223			Badly broken greenish core
223	234.5			Unalt. GRD. At 225.5 rusty fractures ∠ 30° - ∠ 50°
234.5	236			GRD. Bleached
236	270			GRD. Unalt. but has a 6" band at 256' where feldspars are more alkaline. Similar band 262'-264'
270	272.5			GRD. Chlor. alt.
272.5	277.5			Bleached zone. Badly broken and much core lost. Hematite on fractures at 276.5
277.5	299			GRD. sl. chlor. alt.
299	309		(Cp)	Bleached zone, unmin. except for 2" dark zone at 304' which has some Cp. min.
309	310		Cp	Dark zone. Fair Cp. min.
310	319		(Cp)	GRD. darker than normal. Some Cp. min. mafics are in crystals and in stringers
319	325.5			GRD. Sl. darker than normal. Sparse flecks of Cp. plus a 1" veinlet at 325'
325.5	336.5			Unalt. barren GRD.
336.5	339.5			Eq. dark grey basic with stringers of epidote. Contact at 336.5 ∠ 45°
339.5	348			GRD. chlor. alt.
348	366			GRD. - chlor. alt. Half the normal amount of mafics. Feldspars have a light pinkish tint.

CORE ASSAYS

SAMPLE No.	FROM	TO	% Cu.	% Zn.	% Ag.	AVERAGE
W232	303.7	309	0.15			
W231	309	310	3.20			
W232	310	315	0.04			
W233	316	320	0.15			
W234	320	325.5	0.09			

SLUDGE ASSAYS

SAMPLE No.	FROM	TO	% Cu.	% Au.	% Ag.
W194	170	180	0.06		
W195	190	200	0.04		
W196	160	170	0.05		
W199	180	190	0.05		

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
28.66	Bx Core	368	1.5
95	1.2	311.9	3
83.1	0	316.5	0
89	4.0	318.9	.7
92.8	.7	323.6	2.5
97.8	1.1	333.7	3
104.8	3	340.6	1.5
112.8	1.4	344.9	3.0
117.5	3.8	345.4	2
126.8	1.6	351.8	.8
130.8	0	360.4	.9
135.8	1.8	368.8	.7
142.6	2.5	375.8	.4
146.3	0	384.2	.9
151.5	2.4	392.3	1.0
154.5	.9	393.8	0
159.5	1.4	406	.3
166.4	2.5	414	.0
175.4	6.2	422.2	0
182.7	3.9	431.7	1.2
192	7.0	446	.4
199.5	4.3	458.8	.6
207.6	.7	497.2	1.1
212.4	3.1	461.9	2.6
222	4.0	464	.6
230.3	1.0	468.7	.8
237	0	473	1.4
243.7	0	479.8	3.1
247	.4	489.5	.2
255.2	.3	497.5	1.1
261.4	1.9	506	0
268	0	515.9	1.3
272.3	.7	525.2	.6
278.4	3.0	535.3	1.4
285	1.2	545.6	1.4
292.8	2.5	555.6	1.3
300	.2	566	2.1
304.8	1.7	576	1.6

COLUMBIA PRINTING CO.

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY

DIP TESTS			LEVEL	LAT.	HOLE No. S - 13
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LOCATION	DEP.	SHEET No. 2
			ELEVATION	BEARING	LOGGED BY
			FINISHED	LENGTH	TOTAL RECOV. %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
368	375			GRD. - Chlor. alt.
375	399.8			Unalt. GRD
399.8	401.6			GRD. - Chlor. alt. - 1/4" stringer epidote at 300'
401.6	410.5			Unalt. GRD. Chlor. alt along fractures at 406.8 ∠40° and at 408' ∠40°
410.5	412.2			GRD. - Chlor. alt. Several fractures at 20° and bands of alkali feldspars at ∠20°
412.2	453			Unalt. GRD. 423.3-424 Chlor. alt. 430-430.6 Chlor. alt. and feldspars are slightly pinkish
453	456			GRD. - Chlor. alt.
456	457.2			GRD. - Mafics are bleached and some feldspars are pinkish
457.2	475			GRD - Mafics are all bleached. Some chlor. alt.
475	489			GRD - about 1/2 the normal amount of mafics.
489	494			GRD - bleached mafics and some chlor. alt. as above.
494	496			Fg. light grey to light pink. No sharp contacts.
496	524			GRD - normal except for slight pink color to some of the mafics. Chlor. alt. and bleached zone 499.6 - 501.2
524	545.5			GRD. - less mafic than normal and more of the feldspars are pink in color
545.5	595.5			GRD - unalt 545-546.5 - grains are about 1/2 the normal size. 550-566 there is a very slight pinkish tone to the core. 1/2" band of pink material with a little epidote at 570.5
595.5	600			GRD. - cut by several stringers of white feldspars ∠30°
600	604.5			Similar to above, plus kaolinization
604.5	635.8			GRD. - unalt., except for bands where some of the feldspars are pinkish.
635.8	640			GRD - bleached and chlor. alt. 537-538 no mafics are visible
640	678.5			GRD - Unalt. except for a bleached zone 668-669
678.5	690			GRD - sl. chlor. alt.
690	709			GRD - Unalt, except for bleached zone 704-705
709	729			GRD - sl. chlor. alt. 1/8" stringer epidote at 710.5

CORE ASSAYS SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE	SLUDGE ASSAYS SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
													576-586.3	7.3		
													595.6	1.6		
													604.6	0		
													615.8	2.4		
													625.2	.3		
													635.9	1.6		
													646	1.4		
													656	1.8		
													666	1.5		
													676	1.0		
													685.5	.5		
													695.5	1.5		
													705.4	2.6		
													714	.7		
													718.6	2.5		
													723.6	2.4		
													732.4	3.1		
													736.2	.9		
													742.3	.0		
													751.2	2.9		
													761	1.4		
													770	1.9		
													777	3.8		
														147.2		

COLUMBIA PRINTING CO.

DIAMOND DRILL HOLE RECORD
GRANORE COMPANY

PROPERTY

DIP TESTS					
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LEVEL	LAT.	HOLE No. S-13
			LOCATION	DEP.	SHEET No. 3
			ELEVATION	BEARING	LOGGED BY
			FINISHED	LENGTH	TOTAL RECOV. %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
729	730			GRD - Bleached and hematite coloring in patches.
730	736			GRD - Bleached
736	739.5			GRD - Unalt. and bleached zones in equal proportions
739.5	748			GRD - with some bleaching and sl. chlor. alt. in patches.
748	777			Unalt. GRD
				777 END OF HOLE

CORE ASSAYS							SLUDGE ASSAYS						RECOVERY		RECOVERY	
SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE	SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	RUN	SHORT	RUN	SHORT

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS			LEVEL: SURFACE	LAT. 14,479.37	HOLE No. S-14
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LOCATION	DEP. 11,596.10	SHEET No. 1
COLLAR		-50°	ELEVATION 1745.16	BEARING N 24-59 E	LOGGED BY JMS
			FINISHED AUG. 31, 1955	LENGTH 436'	TOTAL RECOV. 89.1 %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	8			"BX" Core - Unalt. barren GRD
8	21			"AX" Core - Unalt. GRD
21	22			GRD - Bleached and grain size smaller than normal.
22	30.6			Unalt. GRD.
30.6	31.3			Basic porphyritic dyke
31.3	32			GRD - soft, rust colored, badly broken
32	36			Unalt. GRD.
36	43			GRD - soft, rust colored, cut by numerous rusty unmin. fractures
43	46			GRD - sl. chlor. alt.
46	46.6			GRD - very dark due to less feldspars than normal. A rusty fracture at 46.4 with a "t" veinlet of Cp. on one side.
46.6	55.5			GRD - with varying amounts of chlor. alt. Rusty fractures at < 0° - 30°
55.5	89			Unalt. GRD.
89	96			GRD - Vary amount of chlor. alt.
96	104			GRD - Chlor. alt. and leaching
104	106.3			GRD - Some leaching of the mafics
106.3	107			Unalt. GRD.
107	107.3			med. grained dark grey basic dyke.
107.3	132			Unalt. GRD. - Rusty fractures at 113.2, 122.8 and 131.1
132	133.8			GRD. - Chlor. alt. and most of the feldspars show a light pink color.
133.8	136.5			Unalt. GRD.
136.5	159			GRD. - Darker than normal due to larger proportion of mafic. 150-153 feldspars have more alkali
159	165			GRD - With several short rusted sections and cut by numerous rusty fractures.
165	174			GRD - Darker than normal due to higher proportion of mafics. Sl. chlor. alt.
174	185			Bleached zone, with sections up to 6" long showing a rusted color.
185	192			GRD - sl. chlor. alt.
192	281			GRD - Very near normal, but some of the feldspars are pinkish in color. 3" rusty zone at 222'

CORE ASSAYS

SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE
W239	373.2	376.2	Tr.			
W240	376.2	380.8	0.09			
W241	380.8	385.8	0.11			
W242	385.8	389.6	0.33			
W243	390.4	391.4	0.62			
W244	391.4	394.4	Tr.			

SLUDGE ASSAYS

SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
9-17	0	273.4	0
25.8	.5	279.5	3.0
36	2.0	288.8	2.2
43.8	2.6	297.4	2
50.9	.1	302.1	.4
60.5	2.6	305.8	1.1
68.9	.6	312.7	0
78.2	.8	321.6	.7
86.4	.1	331.1	.8
94.8	1.5	339.2	0
96	.3	347.8	.3
104	.1	356	0
112.9	.5	365.8	1.6
121.8	1.0	373.3	0
131.9	.7	379	.3
139.3	0	380.8	.7
146.7	.9	385.8	.2
152	.2	390.2	1.2
157.7	1.1	394.8	0
159.9	0	399.1	.2
163.5	.3	404	.6
166.6	.5	408	.0
169.2	.3	411.7	0
171	.0	417.8	2.3
176.8	2.2	421.2	.3
180.3	.9	426.6	.5
185.5	3.3	432.6	.3
192.6	1.1	436	.5
201	.1	—	—
209.8	.6		46.6
216.8	.2		
223.7	.3		
231.9	0		
240.7	.7		
249	.3		
257.5	.5		
266.5	1.0		
270.3	1.5		

COLUMBIA PRINTING CO

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY INDEX MINE

DIP TESTS			LEVEL	LAT.	HOLE No. S-14
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LOCATION	DEP.	SHEET No. 2
			ELEVATION	BEARING	LOGGED BY
			FINISHED	LENGTH	TOTAL RECOV. %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
281	281.5			Slightly rusted section
281.5	282.1			GRD - bleached and chlor. alt. Softer than normal.
282.1	286.7			GRD - bleached, chlor. alt., soft. Bands of 2"-3" of very dark material. Appears to be a later alteration.
286.7	289.7			GRD - bleached, chlor. alt. Soft at the beginning of run but hardness increases until it is almost normal at the end of the run.
289.7	298			GRD - bleaching and chlor. alt. in varying amounts.
298	300			GRD - chlor. alt. Fine-grained, increased amount of mafic gives much darker color than normal.
300	307			GRD - Chlor. alt.
307	314			GRD - Chlor. alt., f.g., darker than normal due to increased amount of mafic.
314	317			GRD - Chlor. alt. and bleaching. Core becomes softer towards end of run.
317	332			GRD - Chlor. alt. in varying amounts with some dark bands, up to 10" in length.
332	376.2			GRD - Slight chlor. alt. in places. Some of the feldspars are pinkish in color.
376.2	389.6		(Cp)	GRD - Chlor. alt. Core is dark and proportion of feldspars smaller than normal. Scattered specks of Cp.
389.6	390.4			F.g. dark grey-green basic dyke.
390.4	391.4		(Cp)	GRD - Chlor. alt. - less than the GRD zone above and decreasing towards end of run. Two stringers of Cp. along edge of dyke.
391.4	408			GRD - unalt. and normal except for bands where feldspars are blotchy.
408	436			Unalt. GRD
				436 END OF HOLE
				Note: Hole abandoned at 436' because of drilling difficulties.

CORE ASSAYS SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE	SLUDGE ASSAYS SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT

COLUMBIA PRINTING CO.

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY Index Mine

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED
COLLAR		-46°

LEVEL Surface	LAT. 12,921.83	HOLE No. S-15
LOCATION	DEP. 13,180.14	SHEET No. 1
ELEVATION 1410.13	BEARING S 34-56 W	LOGGED BY JMS
FINISHED Sept. 7, 1955	LENGTH 84'	TOTAL RECOV. %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	84			Overburden.
				Drillers were unable to drill any deeper so hole was stopped.

CORE ASSAYS: SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE

SLUDGE ASSAYS: SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT

COLUMBIA PRINTING CO.

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED
COLLAR	90 VERTICAL	-90°
200'	87°	-87°
407'	86°	-86°

LEVEL: SURFACE	LAT. 12,690.15	HOLE No. S-16
LOCATION	DEP. 13,988.05	SHEET No. 1
ELEVATION 1546.07	BEARING N 35° 01' E	LOGGED BY JMS
FINISHED SEPT 13, 1955	LENGTH 407'	TOTAL RECOV. 69.68%

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	17			Overburden
17	33			"B" core
33	66			"A" core. GRD. Cut by several rusty fractures and has several short bleached zones. One speck of Cp at 38'
66	77			GRD. Several rusty fractures and rusted zones. Several zones where feldspars are pinkish.
77	92			GRD - almost normal but contain few zones that are rusty, bleached or have pink feldspars.
92	132			GRD - mostly heavily rusted and cut by heavy rusty fractures. Becomes more normal towards end of run.
132	156.5			Unalt. barren GRD.
156.5	172			As above, plus sl. rusted fractures and occasional patches containing hematite and epidote.
172	256			Unalt. GRD. cut by a few rusty fractures. 2' heavily rusted zone at 207'
256	267.5		Cp	GRD - Chl. alt. and some epidote. Approx. "4" veinlet of Cp at 256.3. Specks of Cp to 267.5. Fair mineralization. 100% recovery.
267.5	262		Cp	GRD with scattered epidote. Rare flecks of Cp.
262	303.5			Unalt. barren GRD. 2" zone of pinkish feldspars and several 1/8" bands of epidote at 265'.
			Cp	Cp. on fracture at 265.8'
303.5	315			Mafics are completely leached out. Narrow bands of hematite and bands of hematite coloring throughout the run.
315	349			Normal GRD., unalt. except for a 6" band at 316' where feldspars are pinkish. Similar band at 318'. 1/8" stringer epidote at 330'
349	380			GRD. with about 1/2 - 2/3 of the normal amount of mafics.
380	387			Unalt. GRD.
387	404			GRD with a little leaching in spots.
404	407			Unalt. GRD
				407' END OF HOLE

CORE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE
W 247	250	253	Tr.			
W 248	253	256	0.03			
W 249	256	257.5	2.30			
W 250	257.5	262	0.04			
W 251	262	264	Tr.			
W 252	264	271.2	Tr.			

SLUDGE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
279-285.5	3.9	31.3-37.8	0
289.4	1.9	48.2	4.5
297	3.3	52.7	1.0
302.8	2.5	58	2.8
308.1	1.3	61.7	1.4
310.7	0	66.7	1.5
315.2	0	70.3	2.6
321.5	0	74.7	.6
325	.4	77.4	.2
331.2	0	82.4	.2
340	1.8	91.6	1.9
349	4.2	98.7	4.4
352.4	2.0	105.7	3.5
356.5	2.1	109.1	1.0
364.6	.7	113.2	2.0
372.7	.2	122	4.1
381	0	129.7	2.7
388.2	.2	135.4	.4
391.7	1.0	143.7	.3
396.8	0	151.8	0
399.2	0	157.7	.8
407	2.4	166	9.3
		172	5.4
	113.9	180.2	4.6
		184	0
		190	2.4
		199.4	6.2
		207	3.7
		212.4	.2
		221.3	3.6
		230.1	2.3
		239.8	1.2
		248	0
		252.8	.9
		255	1.4
		262	3.5
		271.2	3.0
		279	2.4

LUMBER PRINTING CO

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED
COLLAR	BRUNTON	-8°

LEVEL	SURFACE	LAT. 12,952.08	HOLE No. S-17
LOCATION		DEP. 14,415.74	SHEET No. 1
ELEVATION	1822.18	BEARING N 35°-00 E	LOGGED BY JMS
FINISHED	SEPT. 21, 1955	LENGTH 765	TOTAL RECOV. 89.32%

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	13			Overburden
13	36			"Nx" and "Bx" Core. Unalt. Grd
36	149			Ax" Core. Unalt Grd 55-60 sl. rusted in some
				parts. 2' zone light feldspars plus a little
				epidote at 68'. 1" light feldspars at 106'
				2" light feldspars at 118', and at 143'
149	152.5			Grd., slight rusty colour to feldspars, and
				cut by a heavily rusted fracture at ∠5°
152.5	223			Unalt. Grd. 1" bands light feldspars at 155',
				166', 173'
223	229.6			Grd., sl. rust colored and cut by a few rusty
				fractures at ∠30° - ∠50°
229.6	237			Grd., slightly bleached.
237	242.5			Grd., with zones of slight rust color and zones
				of heavy rust color.
242.5	254.0			As above, except the heavy rust zones have now
				less rust.
254.0	254.5			Light grey aplite dyke.
254.5	271			Grd., with a few rusted zones and cut by
				several rusted fractures.
271	304.6			Grd., almost normal but has zones of sl.
				chlor. alt.
304.6	309.5			Dark greenish gray andesite dyke.
309.5	313			Unalt. Grd.
313	313.1			Light green dyke. Sharp contacts at ∠40°
313.1	381			Unalt. Grd.
381	383.6			Grd., but matics are bleached
383.6	466.7			Unalt. Grd.
466.7	480		Cp	Chlor. alt. Med. mineralization from 467-467.1
				Poor mineralization from 467.1 to 480
480	484			Bleached zone with 2 1" bands of quartz.
484	504			Grd. - mostly normal, but has a few bands
				that are slightly bleached or show sl. chlor. alt.
504	508			All the matics are bleached to a very light
				green. Heavily rusted section with numerous
				rusty fractures 505.5 - 507.5
508	551.3			Normal Grd., with narrow slightly rusted zones
				509-517. Sl. bleached 528-530

CORE ASSAYS							SLUDGE ASSAYS						RECOVERY		RECOVERY	
SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG	AVERAGE	SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	RUN	SHORT	RUN	SHORT
W253	464	466.7	0.02										37.1-42.2	0	274.2	.3
W254	466.7	472	0.65										46.8	1.6	276.1	.3
W255	472	475	0.07										55	4.7	279.3	.6
W256	475	480	0.09										61.8	2.3	284.1	0
W257	480	482.5	0.06										70.8	1.0	288.2	1.5
													80	3.5	294.8	.1
													89.4	1.1	299.2	0
													98.2	.5	305	0
													106.4	0	306	.2
													114.8	.1	309.6	.2
													123.8	.3	313.3	.2
													131.8	0	321.6	0
													139.8	.5	328.7	.8
													148.3	0	337	.4
													153	0	339.1	.3
													158.8	.8	341.3	.5
													168.2	1.1	349.6	0
													177.2	.5	358.1	2.3
													186.3	.7	366.8	.3
													195.2	.4	374.9	.6
													203.3	1.8	383.5	0
													211.5	1.2	392	1.3
													216	0	400.6	.2
													221.2	1.8	409	.2
													226.4	0	417.4	.1
													229.6	1.7	426.3	.7
													233.5	.1	434.6	0
													237	2.1	441.3	1.9
													240	.3	446.3	.9
													243.5	.6	451.8	.2
													246.3	1.3	460	0
													248.5	1.0	467.2	0
													252	0	475	.4
													255.5	1.1	482.4	0
													263	1.5	490.5	0
													264.7	0	494.2	1.2
													269.1	0	496	1.0
													272	.4	498.6	1.2

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED

LEVEL	LAT.	HOLE No. S-17
LOCATION	DEP.	SHEET No. 2
ELEVATION	BEARING	LOGGED BY
FINISHED	LENGTH	TOTAL RECOV. %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
551.3	555			Core is bleached, and very soft in spots.
555	590			GRD, mostly normal but has zones up to 6" wide of blotchy feldspars or up to 1' of bleaching.
				Sl. pasty zones at 575 and 588
590	606			Unalt. GRD
606	620			GRD, almost normal, but the mafics are sl. bleached
620	653			Unalt. GRD
653	662			GRD with some bleaching of mafics. Core is sl. softer than normal from 654-655.4 with no mafics.
662	765			Unalt. GRD. 1/2" quartz vein ∠ 20° at 686'
				12 1/16" stringers epidote at 704' 1/16" stringer epidote
				at 733' ∠ 15° 1/8" stringer epidote at 752' ∠ 45°
				A few pinkish feldspars on each side.
				765 END OF HOLE

CORE ASSAYS: SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE

SLUDGE ASSAYS: SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
496-507	0		
513.6	.3		
516.9	.7		
524.8	0		
533.2	.9		
541.5	0		
550.8	1.0		
553.8	.0		
562	0		
570.2	0		
579.2	4.0		
587.3	0		
596.1	.6		
604.3	.1		
613	1.5		
617.3	1.4		
625.7	.2		
634.7	1.0		
642.9	.1		
652.2	1.2		
655.4	.4		
660.2	3.2		
668.3	0		
676.9	0		
685.2	.2		
693.5	0		
698.8	.5		
706.9	0		
715.6	.2		
723.9	0		
732.4	0		
740.6	0		
748.8	.1		
757	0		
765.3	.2		
	77.7		

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY INDEX MINE

DIP TESTS					
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LEVEL SURFACE	LAT. 12,409.49	HOLE No. 9-18
SURF.		-30°	LOCATION	DEP. 14,275.79	SHEET No. 1
283'	57°	-31°	ELEVATION 1535.61	BEARING N 34-56 E	LOGGED BY JMS
477'	86°	-30°	FINISHED SEPT. 21, 1955	LENGTH 477'	TOTAL RECOV. 80.69%

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	26			Overburden
26	28			"Bx" Core. Unalt. Grd.
28	90.5			"Ax" Core. Unalt. Grd. 1" aplite dyke at 88.5'
90.5	108			Unalt. Grd cut by a few rusty fractures
108	109			Bleached zone with bands 1/8"-1/4" of light feldspars
109	134.8			Unalt. Grd
134.8	135.8			Mafics are smaller than normal and core is lighter in color.
135.8	228			Unalt. Grd 4" zone of light feldspars at 177'
228	232			Grd. - sl. altered. Mafics are much smaller than normal at beginning of run and are normal size but less numerous towards end of run.
232	294			Unalt. Grd. Heavily rusted fracture at 285'
294	297			Bleached zone.
297	302.3			Unalt. Grd.
302.3	304			Sl. bleached zone cut by 2 heavily rusted fractures
304	316			Nearly normal Grd. but has some zones of splotchy feldspars
316	376.8			Unalt. Grd
376.8	383.8		(Cp)	Grd. with Chlor. alt. Scattered specks of Cp
383.8	391.5			Unalt. Grd.
391.5	393		(Cp)	Grd. with some chlor. alt. and feldspars are more pinkish. Poor min. Cp
393	396.2			Unalt. Grd.
396.2	412.3		(Cp)	Grd. Chlor. alt. some Cp. min.
412.3	427			Unalt. Grd.
427	428			Grd. Chlor. alt. No visible min.
428	477			Unalt. Grd.
				477' END OF HOLE.

CORE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE
W258	373.8	376.8	Tr.			
W259	376.8	383.8	0.04			
W260	383.8	391.5	Tr.			
W261	391.5	393	0.21			
W262	393	396.2	Tr.			
W263	396.2	400	0.13			
W264	400	410.5	0.22			
W265	410.5	412.3	Tr.			
W266	412.5	419.3	Tr.			
W267	427	428	Tr.			

SLUDGE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
30-38.2	0	325.3	.4
48.3	2.0	330	.4
58.4	1.9	338.2	.2
68.5	.1.6	346.4	0
78.4	.8	357.1	3.3
88	1.3	365	4.9
98.6	2.0	373.7	4.8
105.7	3.3	376.8	1.3
114	.3	386.2	3.1
119.2	3.2	394.5	2.1
1.276	1.0	400	1.7
128.5	0	410.5	8.5
135.2	.4	412.3	1.2
142.3	2.3	421.3	.4
145.3	1.9	428.7	.8
150.3	0	428.6	0
160.4	1.7	437.5	0
171.6	2.7	446	.9
181.6	1.4	454.2	0
191.6	2.0	462.8	.8
199.8	0	469.2	.1
209.8	1.8	477	1.1
218	1.7		
227.8	1.7		86.3
235.2	0		
243.2	0		
249.6	1.2		
260.8	6.6		
271.8	2.5		
275.6	1.5		
283.7	1.5		
287.2	0		
291.3	1.2		
297.4	.2		
302	0		
308.7	.3		
310.5	.2		
316.8	.1		

DELUXE PRINTING CO.

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY INDEX MINE

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED
COLLAR	BRUNTON	-30°

LEVEL SURFACE
LOCATION
ELEVATION 1451.74
FINISHED SEPT. 27, 1955

LAT. 12,391.94 N
DEP. 14,021.31 E
BEARING N 35-15 E
LENGTH 350'

HOLE No. S-19
SHEET No. 1
LOGGED BY JMS
TOTAL RECOV. 82.39%

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	30			Overburden
30	40			"Nx" Core. Unalt. GRD
40	55.2			"Ax" Core. Unalt. GRD.
55.2	62			Light, f.g. zone with little mafic.
62	100			GRD, with about 1/3 the normal amount of mafic. Feldspars are darker than normal and have a blotchy appearance. Rusty zone 89.5 - 90.4
100	136			GRD, with 1/2 - 2/3 normal amount of mafic and feldspars have blotchy appearance.
136	297			Unalt GRD Rust zone 141-143. Several rust zones 2" in length from 144.5 - 152. 237-251 some of the mafics are bleached and feldspars have a blotchy appearance.
297	297.2			Felsite dyke with blebs of epidote.
297.2	310			GRD. mafics are slightly bleached.
310	350			Unalt. GRD.
				350' END OF HOLE

CORE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG	AVERAGE

SLUDGE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
40-50	1.3	311.4	1.0
55	.6	316.5	.7
62.2	3.1	325.0	.1
66.7	0	332.1	2.1
72.2	.5	336.8	.7
81.8	3.3	339.8	.6
89.2	0	346.5	2.3
92.5	.6	350	3.4
102.4	1.4		
112.1	2.5		54.6
118.2	.7		
120.4	0		
127	0		
136	1.8		
146.8	2.7		
156	5.3		
158.7	1.4		
166.9	2.6		
171	0		
177.5	1.2		
185.6	.4		
190.3	2.2		
196.2	1.8		
204.8	.2		
211.8	1.2		
220.2	.6		
228.8	0		
237.3	.4		
242	.5		
250.2	.1		
259	.6		
267	.1		
275.4	0		
282.8	1.4		
288.8	2.6		
296.3	1		
301.2	.7		
305.4	1.8		

COLUMBIA PRINTING CO

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS			LEVEL SURFACE	LAT. 12,071.86 N	HOLE No. S-20
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LOCATION	DEP. 15,273.28 E	SHEET No. 1
COLLAR	BRUNTON	-30°	ELEVATION 1732.76	BEARING N 34-34 E	LOGGED BY JMS
			FINISHED OCT. 4, 1955	LENGTH 591'	TOTAL RECOV. 90.28 %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	10			Overburden
10	37			"Bx" Core Unalt. GRD.
37	116			"Ax" Core Unalt. GRD. Slightly chloritized fracture 41-44 ∠10°
116	118			Light pinkish aplite dyke.
118	202			Unalt. GRD.
202	203			GRD. with slightly rusted fractures at 2" intervals
203	208.5			GRD - slightly bleached
208.5	291			Unalt GRD.
291	320			Unalt. GRD. cut by slightly rusted fractures at intervals of 2" to 1'
320	445			Unalt. GRD.
445	448			GRD. with inclusions of f.g. lighter and darker rock.
448	448.2			Zone of pinkish feldspars and quartz with blebs of epidote.
448.2	525.1			Unalt. GRD. 1" band of quartz at 493'
525.1	525.2			Light grey f.g. aplite dyke.
525.2	591			Unalt. GRD. 1" band pink feldspars with chloritized stringers. Fracture with hematite at 579.8 ∠40°
				591 END OF HOLE

CORE ASSAYS

SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE

SLUDGE ASSAYS

SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.
			RUN		SHORT
			571.1	579.7	0
			579.7	5.6	0
			5.6	5.11	1.7
					54.8

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
27.37	1.0	287.6	.9
44.3	2.1	302.2	1.2
51.8	0	310.1	0
60.4	.4	315.5	1.2
69.2	1.0	322.9	.1
76.4	0	327.2	.1
77.8	0	336.3	2.3
84.5	.8	345.8	4.0
93.5	1.0	349.2	2.4
101.5	1.4	355.7	.9
109.7	0	361.2	3.7
118.2	0	366.2	1.8
129.4	.2	374.3	.4
134.6	0	382.3	0
143.2	.2	390.4	0
151.7	.4	399.0	0
160.2	0	406.7	1
168.8	.4	415.2	0
175.7	0	422.6	.1
183.5	1.0	430.8	0
187.7	.9	439.3	.3
194.8	.4	444.8	0
204.2	1.5	453.1	0
208.4	.3	461.3	0
212.3	.9	464.9	0
214.2	.6	472.9	0
216.2	.1	481.1	0
223.6	.7	489.5	0
227.5	1.9	497.7	0
235.4	0	506.0	0
243.6	.2	514.2	0
251.8	1.1	518.1	.4
254.8	.5	525.0	.6
261.7	0	533.2	.6
269.5	1.3	540.4	1.8
274.3	.1	555.2	0
283.9	.6	562.1	2.8
291.1	3.1	571.1	3.3
			←

COLUMBIA PRINTING CO.

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY *INDEX MINE*

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED
COLLAR	0°	BRUNTON

LEVEL	2	LAT.	14,510.51
LOCATION		DEP.	12,189.75
ELEVATION	1438	BEARING	S 27°07'W
FINISHED	June 3, 1955	LENGTH	456.8'

HOLE No.	2-1
SHEET No.	1
LOGGED BY	J.H.P.
TOTAL RECOV.	90.02 %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	3.7	Grp.		Massive c.g. Grp. Casing Core
3.7	20.6	"		" " "
20.6	21.7			Dk. green Chlor. alt. Slight shearing. No min.
21.7	55.0			Same Grp. 45'-46' Pinkish phase
55.0	57.3		Cp	Dk grey alt. with some fine shearing. A little Cp.
				dissem. & on shearing
57.3	70.2			Grp
70.2	71.6			Dk grey alt. No sulph.
71.6	79.0			Grp with irreg. seams of epid.
79.0	80.1		Cp	Dk grey, green chlor alt with epid. & a few 1/8" veinlets Cp. 135
80.1	100.0			Grp
100.0	102.3		Cp	Chlor. alt with a little Cp in 1/8" veinlets. Int. L obscure.
102.3	175			Unalt massive Grp.
175	198			Grp with frequent alt zones. Core shattered with
				some loss. Veinlets of epid. but no sulph.
198	221			Massive unalt. Grp.
221	223.7		Cp	Chlor alt. One 1/8" stringer Cp at 223'.
223.7	243.5			Grp with some dark alt. No sulph.
243.5	245		Cp	Dk chlor alt with a little Cp
245	306.3			Massive Grp. 247.8 Speck of Cp and 1/8" fract.
				with epid. 180°
306.3	309.4		Cp	Dark chlor alt with Cp dissem & in fine stringers
				A few specks Cp in Grp wallrock.
309.4	327			Grp
327	342			Chlor alt. with a few scattered 1/8" veinlets Cp and
				a little dissem. Cp
342	424			Massive unalt. Grp. F.g. pinkish alt. @ 404' L 80°
424	426			Chlor. alt with epid. No sulph.
426	453.7			Grp
453.7	456.6			Chlor alt, no sulph.
456.6	456.8			Grp.
				456.8 End of Hole

CORE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE
W 1	55.0	57.3	0.01			
W 2	79.0	80.1	0.04			
W 3	100.0	102.3	0.16			
W 4	272.9	273.7	0.17			
W 19	243.5	245.0	0.22			
W 16	303.3	306.3	Tr			
W 17	306.3	309.4	0.08	Tr	Tr	
W 18	309.4	312.4	Tr			
W 22	325.0	328.5	Tr			
W 23	328.5	334	0.06			
W 24	334	339	Tr			
W 25	339	342	Tr			
W 26	342	347	Tr			
W 27	453.7	456.6	Tr			

SLUDGE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.
W 5	170	180	0.06		
W 6	180	190	0.11		
W 7	190	200	0.12		
W 20	330	340	0.10		
W 21	340	350	0.07		

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
0-3.7	0	198-206	0
3.7-8.7	0	214.4	.8
13.3	0	222.8	0
20.6	.2	228.7	.4
25.7	0	228.5	1.7
30.7	.3	232.5	.8
35.7	0	235	0
41.6	.5	243	0
46.8	0	249	.5
53.7	0	251.3	0
56.4	.5	253	0
63.0	.5	265.1	0
71.0	.7	272	1.4
78.0	2.0	277.8	0
79.0	0	278.4	0
83.9	.8	284	.3
89.0	.2	291	.2
96.8	0	299.3	0
100.8	.4	305	0
102.3	.6	315.9	1.2
106.3	1.4	317.5	.5
111.9	.3	319	0
116.5	1.4	327	.2
125.5	0	334.7 / 340.2	.5 / 1.3
132.3		347 / 355	2.4 / 0
136.7	1.5	365.7 / 371.6	1.6 / .3
143.0	0	378.9 / 383	0 / 0
150.6	0	389	0
156.6	.6	393	0
157.0	.6	395	.3
160.0	0	403.8	1.4
167	1.0	411.8	.6
175	3.3	416	.1
179.3	2.0	423	0
182.3	0	426	0
186.0	2.7	435	1.8
198.2	1.6	443	1.1
191.0	.8	448.3	0
193.0	.6	456.8	0
198.0	1.4		

GOLDER & PALMITER LTD

DIAMOND DRILL HOLE RECORD
GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS						
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LEVEL 2	LAT. 14,563.04	HOLE No. 2-2
			LOCATION	DEP. 12,349.21	SHEET No. 1
COLLAR	0°		ELEVATION 1435	BEARING S 6° 17' W	LOGGED BY J.H.P.
			FINISHED JUNE 13, 1955	LENGTH 552'	TOTAL RECOV. 86.3%

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	2.5			Casing Core. Massive GRD
2.5	48.0			Coarse grained massive GRD with a few fine stringers
				of epidote.
			Cp	At 18.3' is a 1/8" veinlet of chalcopyrite @ L35°
				No other sulphides
48.0	50.0			Dark alteration zone @ L40°. No sulphides
50.0	63.3			GRD with dark alteration zones.
			Cp	58.1 - 63.3 disseminated chalcopyrite with
				occasional fine stringers of Cp.
63.3	130.3			Massive GRD.
				109.3 Narrow rusty fracture L45°
				115-116 Pinkish phase with 1/8 to 1/4" light grey
				bands of alteration. Some hematite.
130.8	131.6		Cp	Dark alteration with Cp in small blebs.
131.6	136.9			GRD
136.9	137.4		Cp	Dark alt with Cp
137.4	145.			Massive GRD.
				Hole temporarily stopped at 145'
145	152			
152	152.8			Dark chloritic alt. No min.
152.8	160.8			GRD
160.8	161.6			DK Chl alt with veinlets of Cp 1/8" to 1/4"
161.6	166.4			GRD
166.4	168.8		Cp	Alt. with Cp in blebs + veinlets
168.8	173.5			GRD with a few narrow bands of chlorite with
				a little Cp
173.5	207.5			GRD.
				178 3" pinkish sil dyke (Aplite)
207.5	209.5		Cp	Chloritic alt. with Cp
209.5	213.5			GRD.
213.5	222.5		Cp	Chloritic alt. with a little Cp.
222.5	225.0			GRD with slight chloritic alt. no min.
				a few reddish cracks (hematite) L40°
225.0	230.		Cp	Dark chloritic alt. slight scattered Cp.
230	237		Cp	Less alt GRD. Blotchy appearance, some epidote
				and a few hematite filled fractures @ L30°.
				A few specks Cp.

CORE ASSAYS SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE
W8	18.3	18.5	0.24			
W9	52.4	54.5	0.05	TR	TR	
W10	54.5	58.1	0.02	TR	TR	
W11	58.1	63.3	0.16	TR	TR	
W12	63.3	66.1	0.01	TR	TR	
W13	130.8	131.6	0.08			
W14	136.9	137.4	0.60			
W28	160.8	161.6	1.79			
W29	161.6	166.4	TR			
W30	166.4	168.8	0.34			
W31	168.8	173.5	0.04			
W32	207.5	209.5	0.18			
W33	209.5	213.5	TR			
W34	213.5	222.5	0.08			
W36	379.6	381.6	0.16			
W37	381.6	384.2	0.06			
W38	384.2	391.1	0.26			
W39	391.1	394.9	TR			
W40	409.3	414.2	0.04			
W46	447.1	448.4	0.06			
W47	452.5	453.7	0.48			
W48	485.6	495.7	0.94			
W49	495.7	500.4	TR			

SLUDGE ASSAYS SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.
W15	50	60	0.28		
W35	160	170	0.30		
W44	230	240	0.03		
W45	380	390	0.76		
W50	480	490	0.65		
W51	490	500	0.88		

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
2.5-7.4	0	256	.1
12.3	0	264.5	2.1
20.1	0	271	1.2
26.1	0	278.5	1.2
36.4	0	285.7	0
44.2	.2	294	.2
51.9	0	302.3	0
57.8	.0	311	1.7
66.1	0	317.2	.6
74.0	0	325.8	2.3
78.9	0	333.8	0
87.2	0	341.8	0
95.5	2.9	349.1	.6
103.0	1.3	357.1	0
107.9	.8	365.5	0
111.7	.0	373.3	2.4
113.9	0	382.3	.5
120.2	.4	388	1.8
128.4	0	396	.0
130.9	.5	404.2	.6
136.7	.2	408.8	0
145.	0	416.8	0
153.5	1.5	425.2	.7
157.0	.5	433.1	4.8
165.5	1.1	441.5	.4
168.8	.4	449.3	0
176.8	0	457.8	.2
183.8	0	465.8	0
188	0	466.8	.4
192.9	.7	469.8	.5
200.9	0	473.8	.0
207.5	1.6	482.2	1.3
216.1	.6	491.2	.4
223.5	2.4	500.4	5.8
230	2.5	503.	.4
237	2.8	506.8	1.8
241	2.5	514.8	3.6
248	4.2	520.8	.1

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS			LEVEL	LAT.	HOLE No. 2-2
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LOCATION	DEP.	SHEET No. 2
			ELEVATION	BEARING	LOGGED BY
			FINISHED	LENGTH	TOTAL RECOV. %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
237	237.2			Fg dark green basic dyke @ L80°. Maybe wider - some core loss.
237.2	256			Same "blotchy" GRD
256	271			Fresh unalt GRD.
271	272			Chl. alt., no min
272	379.6			Unalt. GRD., slightly pinkish tinge. 330'- speck of Cp
				342 - 344 Several rusty fractures, 1/8", L30°
				360 - 365 Core shattered, no min
379.6	391.1		Cp	Chlor. alt with Cp in veinlets L80° & L70° and disem. Edge of alt zone @ 45°
391.1	394.9			Less alt. with a little Cp.
394.9	409.3			Unalt. GRD. with occasional stringers of epidote @ L80°
409.3	414.2		Cp	Chlor. alt with Cp in 1/16" veinlets @ L60°
414.2	447.1			GRD. Few inches chlor. alt. at 416.8 & 421.8 with a little dissem Cp.
447.1	448.4		Cp	Chl. alt. with Cp
448.4	452.5			GRD with occas. chl. alt. No Cu.
452.5	453.7		Cp	Chl. alt. with veinlets of Cp @ 80°
453.7	465.8			GRD with occas. bands chl. alt. No Cu.
465.8	485.6			Lighter col. than norm GRD with creamy colored feldspars from 1/4 to 3/8"
485.6	495.7			Chl. alt. well min. with Cp in 1/16" veinlets and dissem. L80° 35% recovery
495.7	500.4			Broken core. GRD with occas. fractures with hematite
500.4	515.4			GRD with occas. larger than normal felsp.
515.4	515.5			Aplite dyke L45°
515.5	552			GRD. Mostly broken into 1"-2" pcs. No Cu min.
				552 END OF HOLE

CORE ASSAYS SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE	SLUDGE ASSAYS SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
													528.8	.1		
													533.2	.4		
													538.7	2.1		
													547.1	2.7		
													552.0	2.2		
														75.4		
														47.6		

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED
COLLAR	0°	Horizontal

LEVEL	2	LAT.	13,577.24
LOCATION	Hoist Room	DEP.	13,142.96
ELEVATION	1417	BEARING	S 26°22'W
FINISHED	JUNE 7 1955	LENGTH	376'

HOLE No.	2-3
SHEET No.	1
LOGGED BY	J.H.P
TOTAL RECOV.	94.7 %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	3			Massive Geo. Casing Core
3	107.5			" Cg Geo. Unalt.
107.5	107.8			Rusty fract. 145° No min.
107.8	145			Geo.
145	146.9			Rusty fract. Zone. No min.
146.9	199			Massive Geo.
				185' 2" fg. pinkish aplite dyke ∠60°
				186' 2" " " ∠80°
199	199.5			Pinkish grey apl. dyke ∠90°
199.5	200.5			Geo.
200.5	201.5			Aplite dyke. Irreg. contact.
201	314			Massive unalt. Geo.
				272 - 275.8 Core badly shattered. H. min.
				311 - 313 " " "
314	315			Fg. pinkish apl dyke ∠30°
315	336.5			Geo. Narrow fract. @ 328 with sericite ∠10°. No min.
336.5	352			Chl. alt. with many rusty fract. Some dissem Cp
				346 - 346.8 Qtz vein with Cp
				Core broken, less above average
352	360			Slightly alt. with some rusty fractures
360	376			Geo. Fairly fresh looking with a few fractures nearly parallel to core axis
				376 End of Hole

CORE ASSAYS SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE
W41	20					
W42	66					
W43	17					

SLUDGE ASSAYS SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.

RECOVERY RUN	SHORT	RECOVERY RUN	SHORT
0-3	0	291.6	0
3-8.2	.1	297.	.2
16.7	1.0	303.3	.7
24.0	0	313.1	0
31.8	.9	318.1	0
40.0	3.5	323.8	0
44.9	0	329.6	0
49.9	0	333.8	0
56.9	.6	337.6	.1
64.9	0	341.9	1.6
72.9	0	346.9	1.7
80.8	0	352	.5
88.4	0	355.9	1.2
96.7	0	358	.9
103.7	.5	359.2	0
110.1	0	363	1.2
118.5	.4	367	.2
126.7	0	376	.8
133.9	0		
141.5	0		10.8
149.8	.2		
157.5	0		
165.3	0		
174.6	0		
182.8	.5		
190.9	.5		
198	0		
206.	.1		
208.8	1.1		
216.7	.5		
224.7	.1		
232.7	0		
239.4	.3		
250.1	0		
258.1	0		
267.6	.2		
275.8	0		
283.9	.2		

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED
COLLAR	0°	

LEVEL	2
LOCATION	
ELEVATION	1435
FINISHED	June 20 1958
LAT.	13686.53 } 3' from collar
DEP.	13097.24
BEARING	N15°26'E
LENGTH	546'
HOLE No.	2-4
SHEET No.	1
LOGGED BY	J.N.P
TOTAL RECOV.	95.0%

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	25.5			GRO - Massive + fresh looking
				12' Epid. in ½" fract. ∠20°
				18.5' ¼" fract. filled with epid. ∠80°
25.5	29.0			Chl. alt with a few specks Cp and hem. 50% Core loss
29.0	58.5			Unalt. GRO.
58.5	83.7			GRO with a generally more pinkish tinge. Core is shattered in places at fairly oblique
				75.0' Narrow rusty fract.
				80-83 Series of reddish fract. @ small ∠s to core.
				Some surfaces have hem. + chl. but no Cu min.
83.8	139			Normal dark grey GRO.
				97.5' Narrow fract. with chl. + Hem.
				131.5 " " " ∠15°
139	140			Dark alt. zone with much epid. and a little hem. ∠45°
				No Cu min.
140	142.7			Core broken. Matrix has slightly greenish tinge.
				A few specks pyrite and a soft tan min.
142.7	226			Unalt. GRO.
				181' Narrow vuggy fract. with epid.
226	234			Core badly shattered. No alt. or Cu min.
234	250			Unalt. GRO.
250	250.5			Creamy coloured alt. with 1" band of reddish brecciated material.
250.5	280.7			Unalt. GRO.
280.7	281.7			Pale greyish green alt. with indef. borders.
				A few ⅛" seams of Kaolin.
281.7	286.5			GRO. slightly alt. with ½" dark grey bands ∠60°
286.5	294			Dark grey alt. with almost complete bleaching (? matrix) A few irreg. bands of f.g. siliceous material
294	307.3			GRO with slight bleaching + alt.
307.3	313.7			Heavily min. zone with bands of massive f.g. Cp up to 2" wide inter-spaced with grey alt. GRO containing much dissem. Cp. Borders of min. are indef. (0.5' Core loss)
				310' Much Sep. with Cp.
313.7	317.7			GRO with slight grey alt. and occas. specks Cp.
317.7	333.7			GRO. 333' Fract. with hem. ∠15°

CORE ASSAYS							SLUDGE ASSAYS						RECOVERY		RECOVERY	
SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE	SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	RUN	SHORT	RUN	SHORT
W54	304.7	307.3	TR										0-7.8	2.9	271.9	0
W55	307.3	313.7	5.96	0.01	0.20								15.5	0	279.0	0
W56	313.7	317.7	0.18										20.6	0	287.0	0
W57	339.7	340.7	TR										23	3.1	292.9	0
W58	354.9	355.6	0.20										33.8	0	296.6	0
													41.8	0	304.8	0
W82	394.4	397.5	TR										49.8	0	312.9	.7
W81	413.4	414.7	1.12										57.9	.3	320.0	.4
W72	421.8	424.8	0.05										65.8	2.5	328.2	0
W73	424.8	426.5	2.91										73.8	0	335.8	1.5
													82.4	1.0	337.8	.0
W74	431.3	432.8	2.36										83.8	0	346.4	.0
W75	432.3	437.7	0.04										92.4	.3	354.8	.0
W76	437.7	442.1	TR										100.8	2.0	362.9	0
													108.8	0	371.0	0
													115.9	.6	375.3	1.8
													126.9	0	383.0	0
													132.5	.5	391.2	0
													134.7	0	399.6	.1
													136.9	.4	407.7	0
													139.0	0	415.9	0
													142.8	1.0	423.8	0
													149.8	3.4	428.0	.1
													158.0	0	430.4	.2
													166.6	.4	434.8	1.1
													174.7	0	439.7	0
													182.8	0	447.6	.3
													187.8	0	455.6	0
													196.0	0	463.9	0
													204.2	0	471.8	0
													212.4	0	479.9	0
													220.5	0	488.0	0
													228.7	0	496.0	0
													236.9	0	504.1	0
													245.2	.1	509.8	.7
													253.7	.2	518.5	0
													254.8	.1	526.5	0
													263.9	.7	534.9	.3

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS					
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LEVEL	LAT.	HOLE No. 2-4
			LOCATION	DEP.	SHEET No. 2
			ELEVATION	BEARING	LOGGED BY J.H.P.
			FINISHED	LENGTH	TOTAL RECOV. %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
339.7	340.7		Cp.	2" bands chl. alt. with dissem Cp.
340.7	354.9			Geo.
354.9	355.6		Cp	Chl. alt. with f.g. Cp.
355.6	394.4			Unalt. Geo.
394.4	397.5		Cp	Slight chl. alt. with a few ½" stringers Cp
397.5	413.4			Geo.
413.4	414.7		Cp	Chl. alt. with dissem Cp and a ½" vein Cp @ 80°
414.7	424.8			Geo. 420' - 1" vein Cp with hem.
424.8	426.3		Cp	Geo with chl. alt ¾, well min. with irreg patches of Cp. Some Qtz.
426.3	431.3			Dark greyish black f.g. and dyke. Very sharp borders with Cp. right to edge of dyke. A few specks Cp in first ¼" of dyke but none in remainder or in 2nd border. Dyke is probably post min and Cp is inclusion
431.3	432.3			Chlor. alt well min with Cp with a little vein Qtz
				Same as first min. sect.
432.3	442.7			Geo with some chl. alt. "Blotchy" black & white appearance from alt. of mafics. Occas. speck Cp.
442.7	457.7			Geo
457.7	459.8			Geo with a little chl. alt., epid. & hem.
				Some pinkish phases. No Cu min.
459.8	546			Unalt. Geo. No min.
				508-516 Core shattered but no min. or alt.
				546' End of Hole

CORE ASSAYS							SLUDGE ASSAYS						RECOVERY		RECOVERY	
SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG	AVERAGE	SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	RUN	SHORT	RUN	SHORT
													543.0	.3		
													546.0	.1		
														27.1		

COLUMBIA PRINTING CO

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED
COLLAR	0°	BRUNTON

LEVEL 2	LAT. 14,507.08	HOLE No. 2-5
LOCATION	DEP. 12,500.82 } 33' from Collar	SHEET No. 1
ELEVATION 1434	BEARING S 19°02'W	LOGGED BY J.H.P.
FINISHED JUNE 15 1955	LENGTH 151.5	TOTAL RECOV. 91.3 %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	11.4			Unalt. massive Grd.
11.4	12.4		Cp	Dk chlor. alt. with 1/16" veinlets Cp ∠80°
12.4	21.8			Grd, unalt.
21.8	22.0		Cp	Narrow chl. alt. with a little Cp in 1/16 veinlets @ ∠80°
22.0	25			Grd
25	31.7			Grd with lt grey "bleached" appearance. Some epid.
31.7	33.5			Dk chlor alt with Cp in blebs & narrow veinlets ∠80°
33.5	106			Massive unalt Grd.
106	108.6			Pale grey alt with slightly bleached mafics.
108.6	113.7			Chlor. Alt. with a little Cp. (30% Recov)
113.7	151.5			Grd with occas. bands of epid. 1/4" - 1/8" wide ∠80°
				151.5' End of Hole

CORE ASSAYS SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE
W59	11.4	12.4	0.73			
W60	31.7	33.5	0.44			
W61	108.8	113.7	0.33			

SLUDGE ASSAYS SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
0-6.2	.4		
10.8	0		
16.8	.4		
23.8	0		
30.9	0		
31.7	.4		
35.6	.3		
43.8	0		
51.8	0		
60	.1		
68.4	.4		
76.8	0		
85.4	.5		
94.2	.3		
103.2	3.1		
106	.3		
108.8	1.6		
113.7	3.4		
121.9	0		
128.9	1.0		
135.2	0		
140.7	0		
146.4	.2		
151.5	.8		

COLLINS & SMITTON CO.

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS					
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LEVEL 2	LAT. 14,356.15	HOLE No. 2-6
			LOCATION	DEP. 12,614.48	SHEET No. 1
COLLAR	0°		ELEVATION 1430	BEARING S30°04'W	LOGGED BY J.H.P.
			FINISHED JUNE 23, 1955	LENGTH 455	TOTAL RECOV. 90.8 %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	2.4		Cp	Grd. with some chlor. alt., v. little Cp
2.4	3.5		Cp	Chlor alt. with Cp. One ½" vein Cp L30°, some dissem Cp
3.5	18.3			Grd. with mottled pinkish appearance. No Cu min.
18.3	21.7		Cp	Dk. grey green chlor. alt. with Cp in veins & dissem. Some ser. in (center?) zone
21.7	32.5			Grd. with a little lt. colored alt.
32.5	35		Cp	Chlor. alt. with occas. veinlets & dissem patches of Cp. L70°
35	43.7			Grd. with slight chlor. alt.
43.7	44.8		Cp	Chlor. alt. with ⅛" veinlets Cp. L70°
44.8	60.4			Unalt. Grd. ¼" Cpd. fract. @ 57.1 L80°
60.4	62.2		Cp	Chl. alt. with a few ⅛" veinlets Cp. L70°
62.2	72.6			Grd.
72.6	74.5		Cp	Chl. alt. with a little dissem Cp
74.5	78.8			Grd.
78.8	83.0		Cp	Chl. alt.
83.0	118.9			Unalt. Grd.
118.9	121.3			F.g. grey green andesite dyke
121.3	211.5			Unalt. Grd. 163' ⅛" Cpd. in fract. L50°
211.5	212.7		Cp	Chl. alt. with irreg. veinlets Cp
212.7	219			Grd. with some chl. alt. w. slight amt. Cp
219	259.2			Unalt. Grd. 227.5' fract. with epidote
259.2	260.2		Cp	Chl. alt. with massive Cp. Some core loss but mostly in succeeding varvin. Sect.
260.2	265.4			Varvin. Grd. Core broken with soil loss
265	345			Unalt. Grd.
345	347.7		Cp	Chl. alt. with dissem Cp. (40% Recov.) (All core taken for sample)
347.7	366.3			Grd. with cpd. & some chl. alt.
366.3	381.5		Cp	Grd. with chl. alt. and a few veinlets Cp L80° and occas. dissem. Cp. 369-37. Slickensided fault L10°
381.5	383.8			Unalt. Grd.
383.8	386.3		Cp	Chl. alt. with a little Cp
386.3	445			Grd.
445	415.2			Chl. alt. Hematite. No Cu min.
415.2	420.4			Grd. Slight chl. alt.
420.4	422		Cp	Chl. alt. with epidote and a few specks Cp

CORE ASSAYS						
SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE
W63	0	2.4	0.04			
64	2.4	3.5	1.38			
65	18.3	21.7	0.76			
66	32.5	39.0	0.17			
67	39.0	43.7	TR			
68	43.7	44.8	0.62			
69	60.4	62.2	0.14			
70	72.6	74.5	0.31			
71	78.8	83.0	0.29			
79	211.5	212.7	1.14			
80	212.7	217.7	TR			
77	259.2	260.2	11.30			
78	260.2	265.4	0.03			
84	345	347.7	4.25	TR	0.30	
85	366.3	369.5	0.05			
87	369.5	372.5	TR			
88	372.5	376.8	TR			
89	376.8	381.5	0.20			
W90	448.3	453.5	1.09			

SLUDGE ASSAYS					
SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.
W83	260	270	0.64		
W86	440	450	0.37		

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
0-7.2	0	266.5	0
7.2-13	.5	275.6	.8
21.4	.2	284.7	.1
28.8	.4	292.8	.4
35	0	300.8	.6
38.8	.7	309.2	.4
42.5	.8	316.4	1.
49.4	0	324.2	.1
57.1	0	332	0
62.5	.2	339.2	0
71	.2	342	1.5
78.9	0	347.8	2.6
85.8	1.2	356.1	1.7
94.4	.2	360.9	1.8
102.8	1.6	362.8	0
110.8	2.9	366.5	1.8
118.8	0	369.5	0
121.2	.3	372.4	.4
129.6	.2	376.8	2.5
137.6	0	382.2	.4
145	0	387.2	0
152.8	.2	392	.1
160.4	0	397.1	.2
169.4	.5	399.6	0
177.8	.3	403.9	0
181.2	.2	409	.2
194.4	0	412.6	1.2
202.8	.6	415.9	1.6
204.4	0	417.7	.8
212.9	0	423	.5
220.4	0	427.4	.3
228.3	0	432.6	0
236.2	.1	436	.2
244.4	.2	441.8	.7
252.4	0	446.8	0
255.6	1.5	451.8	.9
259.2	.9		
265.4	2.8		41.6

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS					
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LEVEL	LAT.	HOLE No. 2-6
			LOCATION	DEP.	SHEET No. 2
			ELEVATION	BEARING	LOGGED BY J.H.P.
			FINISHED	LENGTH	TOTAL RECOV. %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
422	424			Unalt. Grp.
424	425			Chl. alt. with a little Cp., dissem.
425	432.6			Grp.
432.6	437.6			Lt. grey siliceous rock with fine black speckling. Aplite dyke?
437.6	448.5			Grp.
448.5	453.5			Chl. alt. with a little dissem. Cp.
453.5	455			Unalt. Grp.
				455' End of Hole

CORE ASSAYS							SLUDGE ASSAYS						RECOVERY		RECOVERY	
SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG	AVERAGE	SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	RUN	SHORT	RUN	SHORT

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED
COLLAR		0°

LEVEL	2	LAT.	13,735.22
LOCATION		DEP.	12,998.30
ELEVATION	1419.52	BEARING	N 11°51'E
FINISHED	JULY 11, 1955	LENGTH	547

HOLE No.	2-7
SHEET No.	1
LOGGED BY	J.H.P.
TOTAL RECOV.	94.3%

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	3.3			Geo with slight Chl. alt.
3.3	6.8		Cp	Chl alt with a little Cp.
				Some epidote in ⅛" seams at ∠80°
6.8	29.4			Geo.
29.4	31.5			Rusty foot zone with hem + epid. Somewhat Nc Cp
31.5	66.0			Unalt Geo. 2" Apl. dyke @ 33.6' Irreg. contact
66.0	69.0			Core broken. Several ⅛" bands epidote ∠70-80°
69.0	70.6		Cp	Chlor. alt with some dissem Cp.
70.6	97			Geo. 84' ⅛" band epid ∠80°
97	102			Geo. Core shattered. No alt or min.
102	188			Unalt Geo. 105' ⅛" band epid. ∠80°
188	199			Geo. Shattered core. No alt or min.
199	213			Geo.
213	235.5			Geo with occas. patches of Chl alt. and a little
			Cp	Cp. Core loss more than average
235.5	235.2		Cp	Chl alt well min. with Cp in dissem patches
				⅛" in veinlets ⅛ to ¾" ∠80°
235.2	239.0			Geo with some chl alt. No min.
239.0	249			" " light colored alt.
249	250.2			Dark grey speckled Dyke.
250.2	259			Geo with pinkish felsp. and some pale grey alt.
259	295.5			Unalt Geo.
295.5	299.5		Cp	Geo with small rounded patches chl alt.
				Flecks + grains of Cp occur in alt. and in
				mafics
299.5	369.3			Normal unalt Geo.
				325-335 Some bleaching of mafics
369.3	368			Eq. grey green basic dyke. Contact indistinct
				Epidote in wall rock at 2nd contact. No cp min.
368	408			Geo with slightly more mafics than normal.
408	408.3			Eq. dark grey green basic dyke
				Sharp borders at ∠70°
				(Cont. pg. 2)

CORE ASSAYS

SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE
W91	3.3	6.8	Tr			
92	69.0	70.6	0.12			
95	213	214	0.09			
96	214	220.3	Tr			
97	220.3	224.3	Tr			
98	224.3	230.5	0.15			
111	230.5	235.2	1.82			
112	235.2	239	Tr			
108	295.5	299.5	Tr			
117	408.3	410.4	0.73			
118	410.4	413.0	Tr			
119	413.0	414.7	0.48			
120	414.7	417.6	0.10			
121	417.6	422.7	0.54			
122	422.7	426.3	0.88			
123	427.5	429.5	2.25			
124	429.5	433.5	0.90			
129	439.5	440.5	0.42			
130	440.5	442.6	0.15			

SLUDGE ASSAYS

SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.
W93	0	10	.41		
98	220	230	0.53		
W100	210	220	0.07		

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
0-3.3	2.2	241.8	.8
8.8	1.9	245.7	1.6
13.2	.4	251.6	.3
24.0	.0	253.8	.4
29.4	.5	257.0	.6
31.0	.0	258.0	.0
39.4	.7	263.2	.2
34.4	.0	270.5	.6
40.4	.0	277.9	.0
45.5	.0	285.9	.0
53.4	.0	293.9	.2
59.1	.0	295.5	.2
66.2	.0	298.5	.0
68.3	.2	306.5	.7
69.8	.2	314.0	.0
77.7	.0	322.1	.0
85.7	.0	325.5	.4
93.7	.0	332.2	.0
102.8	.0	340.8	.1.1
110.8	.7	348.1	.0
118.3	.7	356.1	.0
125.3	.0	364.3	.0
133.4	.0	372.3	.0
139.9	.0	380.8	.0
148.2	.0	388.4	.0
156.2	.0	390.8	.0
164.0	.0	399.0	.0
172.5	.5	407.0	.0
180.6	.0	408.0	.0
188.7	.0	414.7	.0
194.9	.0	422.7	.1
203.0	.0	429.5	.0
207.9	.0	432.3	.4
214.0	.2	440.4	.6
220.5	4.2	443.4	.0
227.2	.2	451.5	.0
230.5	.0	459.7	.3
238.6	.0	467.7	.0

COLUMBIA PRINTING CO.

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS					
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LEVEL	LAT.	HOLE No. 2-7
			LOCATION	DEP.	SHEET No. 2
			ELEVATION	BEARING	LOGGED BY J.H.P.
			FINISHED	LENGTH	TOTAL RECOV. %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
408.3	426.3		Cp	Grd with patches of chl. alt and a little Cp in dissem & veinlets. 424-426 Several ½ to 2" veins Qtz and a 7" band of sericite.
426.3	427.3			Fg. grey green andesite dyke. Sharp first contact ∠30°. Not min.
427.3	440.5		Cp	Chl. alt with frequent 1" to 3" bands of fg white Qtz. Fairly well min with Cp. dissem & in irreg. veinlets
440.5	442.6		Cp	Chl. alt with a few specks Cp.
442.6	495			Unalt. Grd. Occas narrow fract. with epid.
495	496			Pale pinkish-grey alt with fine matics. "Bleached" appearance.
496	530.7			Grd. A little epid. No alt or min
530.7	547			Grd with patches of chl. alt. No Cu min. Some hem. @ 541-542.
				547 End of Hole

CORE ASSAYS SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG	AVERAGE

SLUDGE ASSAYS SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
475.8	0		
483.9	.1		
492.2	0		
500.3	0		
508.4	0		
516.5	0		
524.7	0		
532.9	0		
541.0	.3		
547.0	3.		
	5	91.2	

COLUMBIA PRINTING CO

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS				
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LEVEL 2	LAT. 14,005.54
COLLAR	0°		LOCATION	DEP. 12,772.94
			ELEVATION 1425.85	BEARING N 29°47'E
			FINISHED JUNE 30 1955	LENGTH 403'

HOLE No. 2-8
SHEET No. 1
LOGGED BY J.H.P
TOTAL RECOV. 88.7%

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	41.8			Unalt. Gep
41.8	52.8			Aplite Dyke
52.8	60			Gep
60	62.4		Cp	Chlor. alt. with a little Cp., dissem.
62.4	74			Gep
74	74.8		Cp	Gep with a few specks Cp
74.5	163			Gep 127' Small fract with hem.
				132 " " Chlor. No min.
				137 Pinkish grey patch with vuggy Qtz
163	166.3			F.g. dark green and dyke with sharp bordered borders @ 180°
166.3	177.3			Gep.
177.3	178.4			And dyke 150°
178.4	184			Gep
184	185			Aplite dyke
185	249			Unalt Gep. 2" pinkish bands with epid at 233' and 290' 170°
249	251			Chl alt. No min.
251	285			Unalt. Gep.
285	294			Gep with some chl. alt. No min.
294	305.6		Cp	Chl. alt. with occas. 1/16" reinlets Cp. 180°-90°
305.6	317.8			Gep with a little chl. alt. No min.
317.8	323.5		Cp	Gep with chl. alt., well min. with Cp., dissem. in reinlets up to 1/4". Some rein Qtz
323.5	326.2			Some chl. alt. No Cu min.
326.2	328.9		Cp	Chl. alt. fairly well min. with Cp in 1/16" reinlets & dissem.
328.9	335.7			Gep with a little chl. alt. No min.
335.7	336.7		Cp	Chl. alt. with Cp.
336.7	360			Gep with occas. small patches chl. alt. Some epidote. No Cu min.
360	403			Unalt Gep. Some of core is shattered but no min.
				397 2" Qtz vein with one 1/8" patch Cp. 180°
				403 End of Hole

CORE ASSAYS SAMPLE No.	FROM	TO	% Cu.	OZ. AU.	OZ. AG.	AVERAGE
W94	60	62.4	0.02			
101	287	294	Tr			
102	294	301.3	0.13			
103	301.3	305.6	0.15			
104	317.8	323.5	2.19			
105	323.5	326.2	0.06			
106	326.2	328.9	0.52			
107	335.7	336.7	0.65			

SLUDGE ASSAYS SAMPLE No.	FROM	TO	% Cu.	OZ. AU.	OZ. AG.
W109	280	290	0.08		
W110	290	300	5.44		

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
0-8.8	0	213.8	0
16.8	0	216.8	0
20.6	1.2	224.9	.2
21.4	.3	232.7	1.8
24.0	0	237.8	.8
29.9	3.1	242.9	0
31.4	0	250.8	0
33.0	0	256.8	.9
38.1	.2	264.8	3.3
41.8	.4	269.9	0
47.0	.2	278.0	0
53.0	.8	287.1	3.4
61.8	.5	294.0	3.9
66.2	.7	301.3	3.1
71.6	.4	308.8	0
75.8	0	317.0	.1
81.9	2.6	325.0	.3
87.8	1.4	333.9	.7
94.4	1.2	340.3	0
98.8	0	348.3	0
104.4	1.7	356.9	.8
112.0	.9	365.4	0
118.8	0	373.8	0
127.0	.8	382.0	0
133.6	.2	390.0	.2
137.0	0	398.4	.8
145.2	0	[illegible]	.45
148.9	.5		
157.0	0		
165.2	.1		
168.8	.7		
177.2	.2		
180.8	.3		
184.0	1.4		
190.2	3.3		
192.2	0		
198.2	1.6		
205.4	.5		

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS					
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LEVEL 2	LAT. 13,944.69	HOLE No. 2-9
			LOCATION	DEP. 12,607.27	SHEET No. 1
COLLAR		0°	ELEVATION 1424.84	BEARING S53°23'W	LOGGED BY J.H.P.
			FINISHED JULY 9, 1955	LENGTH 418'	TOTAL RECOV. 84.9%

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	19		Cp	GRD with accas patches of Chl. alt. and a little Cp
19	30			GRD
30	32			Chl. alt. No min.
32	53			GRD
53	63.3		Cp	Chl. alt. with a little Cp in disem. & occas. veinlets
63.3	116			Unalt GRD. 109' Fract. with epid. L60°
				111' " " L70°
116	117.5			GRD with Chlo. alt. No min.
117.5	189.5			GRD with occas. patches of pink feldspars. 1" barren Qtz @ 128'
189.7	190		Cp	Chl. alt. with a few specks Cp
190	193.5			GRD
193.5	157.4			GRD with much chl. alt. Fairly well min. with Cp in disem. and veinlets up to ⅛" at random ∠s. Several stringers @ 160°
				Normal GRD. A few narrow limon. bands chl. alt in first
157.4	204			ten ft. ⅛" fracture with epidote & chlorite at 183, 197
				and 198' L60°
204	204.5		Cp, Mal	Chl. alt. with ½" Qtz vein with blebs of Cp and a few
				specks malachite. A little disem. Cp in alt. rock.
204.5	217.5			GRD
217.5	217.6			Chl. alt. with a few specks Cp.
217.6	255.3			Unalt. GRD. Feldspars have faintly pinkish tinge.
255.3	256.7		Cp	Chl. alt. with a little Cp
256.7	265			GRD. Aplite dyke 259.9-260.3
265	267		Cp	Chl. alt. with a little Cp
267	270			GRD
270	282		Cp	GRD with patches of chl. alt. and a few grains Cp
282	321			Unalt. GRD. 312-313 A little epid. and chl. alt.
				No Cu min.
321	323			GRD with fract. parallel to core, with some Chl. alt. No Cu
323	354			GRD. Rusty fract. 327-328 L0°
354	355			Pinkish-grey f.g. alt. (Aplite dyke?)
355	361			GRD
361	362			Chl. alt. No Cu min.
362	401			Unalt. GRD
401	414			Dk. grey basic dyke with some rusty fract. Contacts
				irregular and banded with light colored rock.
414	418			"Core" Practically no core. Pieces look like pebbles. Probably
				surface edge of bedrock.
				418 End of Hole.

CORE ASSAYS SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE
W113	55.0	60.2	0.39			
114	60.2	63.3	0.09			
115	143.5	150.2	0.58			
116	150.2	157.4	0.35			
125	255.8	256.7	0.08			
126	265	267	TR			
127	270	271	TR			
128	272	275	TR			
W141	275	282	TR			

SLUDGE ASSAYS SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
0-5	0	196.8	0
8.8	.1	204.8	.1
10	0	212.8	.1
13	1.3	219.6	2.
18	1.5	226.1	.3
19.6	0	234.8	.7
24.8	.1	238.5	.7
27.	.6	247.1	0
32.4	.7	255.8	2.8
36.8	1.6	264.2	.1
41	.1	272.3	.5
44.6	1.4	276.3	.3
47.8	2.	282	3.8
49.5	.6	283	.2
53.1	.7	289.2	.6
55.3	1.2	291.5	.8
60.2	.3	297.3	0
63.9	.2	305.1	1.4
68.9	0	312.2	.0
74.	.1	317.2	2.2
78.6	0	322	.7
84	.3	323.8	.2
88.5	1.3	331.8	0
93.9	0	336.8	.5
98.2	.4	344.8	.0
106.7	0	353.5	.6
114.6	.2	355.1	.0
116.8	.6	362.5	.8
122.8	.7	370.5	.1
130.4	0	376.5	1.4
137.8	1.3	384.6	3.2
139.7	.1	392	0.
142.8	.4	397.8	4.
146.6	.8	402	2.5
150.2	.4	407.7	2.7
154.8	0	411.5	3.1
163.8	.3	414.9	1.3
172.5	.6	418	3.
180.7	1.6		
188.8	0.		63.6

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS				
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LEVEL 2	LAT. 13,943.27
			LOCATION	DEP. 12,609.33
COLLAR		0°	ELEVATION 1424.78	BEARING S 21° 01' W
			FINISHED JULY 15, 1955	LENGTH 358

HOLE No. 2-10
SHEET No. 1
LOGGED BY J.H.P.
TOTAL RECOV. 83.7%

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	7			Geo with a little Chl alt. No min.
7	13.6			Geo
13.6	15		Mal	Chl alt with a little malachite on rusty fract
15	18.2			Geo
18.2	23.8		Cp	Chlor alt with a few specks Cp
23.8	26.3			Chlor alt fairly well min with Cp in irreg veinlets. 25.5-26.1 Sericite, not much Cp
26.3	101.5			Unalt. Geo. 84.7-85.0 Chl alt, no min.
101.5	103.0		Cp	Chl alt. A few specks Cp
103.0	123.1			Geo
123.1	127.8		Cp	Chl alt with a little Cp
127.8	138			Geo
138	150			Chlor alt. No min.
150	155			Alt Geo with some chlorite and patches of pale buff, soft mineral, like kaolin. No Cu min.
155	175			Geo.
175	182			Geo with faintly pinkish tinge and bands of pale grey to med grey hard alt.
182	209			Unalt. Geo
209	209.5		Cp	Chl alt and rusty fract with ½" rem of Qtz and Cp at first contact.
209.5	225			Geo
225	226			Chl alt. No Cu min.
226	242			Geo
242	248			Geo with sections of Chl alt. No Cu min.
248	304			Unalt. Geo. Barren rusty fract @ 286' L80°, 300' L20°
304	304.5			Aplite Dyke
304.5	336			Unalt. Geo
336	348			Fract. Geo with a little chl alt and a few rusty fract at L20°. No Cu min.
348	350			Dk Grey green Andesite dyke
350	357			Badly broken Geo. "Caving" ground. Stuck rods. Geo is rusty with much core loss
				358' End of Hole

CORE ASSAYS SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE
W 131	18.2	23.8	TR			
132	23.8	26.3	0.41			
137	101.5	106.5	0.08			
138	106.5	109	0.04			
W 139	123.1	127.8	TR			

SLUDGE ASSAYS SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
0-4.1	.7	254.0	.8
7.8	.6	263.0	1.4
9.2	0	272.2	0
12.2	.2	280.5	.0
15.7	.2	288.5	.4
23.9	.0	297.0	.5
32.2	.0	298.8	.0
40.8	.9	307.2	.4
44.6	.8	315.9	1.0
52.0	3.7	324.2	.2
59.8	3.4	333.8	2.1
68.4	.5	342.5	5.1
77.3	.4	350.1	4.6
85.4	.2	356.8	.1
90.0	.6	354.6	3.8
95.2	.7	355.0	2.3
101.6	1.7	[illegible]	[illegible]
106.6	.7		
115.1	.4		
118.2	.6		
127.8	1.4		
135.6	.5		
143.8	1.7		
148.0	1.0		
154.5	.3		
162.3	2.0		
169.8	1.4		
177.8	2.0		
180.3	.5		
188.5	.6		
190.0	1.3		
204.0	1.0		
211.8	1.8		
219.4	.8		
226.6	.3		
233.2	1.0		
237.2	0		
245.8	2.3		

COLUMBIA PRINTING CO

DIAMOND DRILL HOLE RECORD

GRANORÉ COMPANY

PROPERTY: INDEX MINE

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED
COLLAR		0°

LEVEL	2	LAT. 13,742.12 } 4' from collar	HOLE No. 2-11
LOCATION		DEP. 12,985.84	SHEET No. 1
ELEVATION	1419.82	BEARING S 23° 56' W	LOGGED BY J.H.P.
FINISHED	JULY 12, 1955	LENGTH 424	TOTAL RECOV. 94.5%

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	15			Cave. Cased Thru old drift.
15	29			Geo. "B" Core.
29	31.4			Geo with some chl alt. No cu min.
31.4	43.6			Geo.
43.6	44.6			Pale grey hard alt. with some epid & hem.
44.6	47.6			Geo.
47.6	49.2			Pale grey hard alt. with pinkish iron stain
49.2	86.8			Unalt Geo. Core is shattered in a few places but unalt and no min.
86.8	87.8			Geo with a little chl alt. No Cu min.
87.8	178			Unalt. Geo. 117.7-118 Vuggy band of pinkish grey alt ∠20°
178	180			Rusty fract. zone. No min
180	189			Unalt. Geo.
189	189.5		Cp.	Aplite dyke. 1/16" veins of Cp on first contact
189.5	197			Geo with frequent narrow fract. ∠30°-40° with chlor & hem. No Cu min.
197	227			Unalt. Geo
227	228			Chl. alt. No Cu min.
228	233			Geo
233	234.5		Cp	Pale grey hard alt. Geo with 2" band of Chl. alt containing a few grams Cp.
234.5	246			Geo
246	250			Pale pinkish grey alt. Geo with prominent felspars and few mafics.
250	346			Unalt. Geo.
346	350			Pale grey hard alt. Geo with prominent felspars
350	398			Unalt. Geo. 363' Fract. with chlor & hem ∠30° 387-398 Much epid. in fract. ∠10-20°
398	424			Unalt. Geo. Mafics more pronounced than normal. Some carbon in last run but no alt or min.
				424' End of Hole

CORE ASSAYS						
SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG	AVERAGE

SLUDGE ASSAYS					
SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
15-29	P.	288.0	.2
31.4	.4	296.2	0
39.6	0	304.8	.2
46.2	0	312.8	.1
48.8	.2	321.5	.9
50.8	0	326.2	.2
54.5	0	342.9	0
62.8	0	351.2	0
70.8	0	359.5	1.8
78.8	0	368.3	.4
86.9	2.5	377.1	.6
95.4	.2	385.6	0
103.9	.5	390.8	0
112.2	0		
114.8	0		22.
123.8	1.		
131.2	.9		
139.3	0		
147.6	.3		
155.9	.5		
164.2	.2		
172.7	.3		
178.0	1.1		
185.6	4.3		
193.4	.7		
197.2	1.		
205.4	0		
212.8	0		
222.1	1.3		
223.9	0		
228.2	0		
234.2	.9		
242.6	0		
247.3	0		
255.5	.2		
263.6	.1		
271.8	0		
279.8	0		

CALIFORNIA PRINTING CO

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS					
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LEVEL: 2	LAT. 14,490.92	HOLE No. 2-12
			LOCATION	DEP. 12,572.83	SHEET No. 1
COLLAR		0°	ELEVATION 1432.36	BEARING N23°48'E	LOGGED BY J.HP
			FINISHED JULY 25, 1955	LENGTH 506'	TOTAL RECOV. 95.9 %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	18			Geo
18	19			Aplite Dyke.
19	66			Geo
66	72			Geo with pinkish tinge. Feldspars larger than normal.
72	191			Unalt normal Geo.
191	193.6			Chl alt with a few grains Cp
193.6	313			Unalt. Geo. 280 - Fract with Epid
313	314			Crumbly alt. Geo with some rein Qtz and chlorite. No Cu min.
314	320			Unalt. Geo.
320	324			Geo with a little barren Chl alt.
324	340			Unalt Geo
340	341			Geo with seams of epidote
341	346			Geo
346	348			Geo with much epidote L10°
348	351			Unalt. Geo.
351	352			Aplite dykes L30°
352	506			Massive unalt. Geo.
				506 End of Hole

CORE ASSAYS SAMPLE No.	FROM	TO	% Cu.	OZ. Au.	OZ. Ag.	AVERAGE
167	191	193.6	0.12			

SLUDGE ASSAYS SAMPLE No.	FROM	TO	% Cu.	OZ. Au.	OZ. Ag.
W151	310	320	0.10		

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
0 - 2.6	0	298.8	.1
7.4	0	307.1	.2
13.9	0	315.6	9.1
19.0	.9	317.7	.8
27.0	0	323.9	0
35.2	.1	332.1	.1
43.4	.4	340.3	.2
50.8	0	348.0	0
58.8	.5	356.8	.7
65.0	.1	364.8	0
73.0	0	372.1	0
81.0	1.0	381.7	1.6
88.0	0	390.4	.4
96.2	0	398.6	.2
104.6	.4	406.9	.1
110.5	1.1	415.1	0
118.3	0	423.3	.2
126.8	0	431.5	.3
135.1	.1	439.8	.3
143.2	1.1	447.8	0
150.4	0	455.9	.1
158.2	0	464.1	0
165.0	0	468.8	0
175.6	.8	472.7	1.
183.7	.1	481.5	.9
191.7	0	490.2	.7
200.1	.2	498.6	.3
207.9	.2	506.0	0
216.1	.1		
224.5	.4		20.5
232.6	.1		
240.8	0		
248.8	0		
257.0	.3		
265.2	.2		
273.8	.4		
282.1	.1		
290.7	.6		

COLUMBIA PRINTING CO

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED
COLLAR	-80°	-80°
250	-39°	-39°
500	-36°	-80°
788	-34°	-28°

LEVEL	2	LAT.	13,183.87
LOCATION		DEP.	13,167.06
ELEVATION	1402.30	BEARING	S40°22'W
FINISHED	AUG. 8, 1955	LENGTH	765

HOLE No.	2-13
SHEET No.	1
LOGGED BY	J.H.P.
TOTAL RECOV.	91.2 %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	9			Unalt. Geo with a few rusty fract. Casing core.
9	34			Geo with numerous small, barren rusty fract. Core quite broken.
34	66.8			Normal unalt. Geo. 37' 2" Aplite dyke. 45.8' 1" Fract with hem.
66.8	77			Geo with larger than normal, blotchy looking mafics
77	79		(Cp)	Rusty fract zone with hem. and a few grains Cp
79	103.2			Same blotchy Geo. 85-86 Barren rusty zone
103.2	105.3		Cp	Slight chlor alt. with several hairlike stringers and one ½" vein of Cp. L60-70°
105.3	116.4			Unalt. "Blotchy" Geo.
116.4	117.3		Cp	Chl. alt. with a little Cp
117.3	124			Geo.
124	125			Pinkish grey Aplite dyke L60°
125	147			Normal unalt. Geo.
147	164			Geo. Core shattered and in short pieces with numerous rusty fract. Slight amt. chl alt. No Cu min.
164	235			Normal unalt. Geo. Occasional narrow barren rusty fract usually at L30°
235	242			Geo with numerous narrow rusty fract. L30° Often hem. & chl. on fract. plane
242	260			Geo with occas. narrow fract.
260	264.5			Geo with chl. alt. A little malachite on rusty fract. L30° and a few fine grains of Cp. Fract. with pinkish claylike gouge at 260.
264.5	293			Unalt. Geo
293	305			Geo with numerous fract. L10-15° Chl., epid & hem on fract. planes No Cu
305	378.6			Unalt. Geo.
378.6	379.6			Dark Grey green And. dyke. Chilled first amt @ L50°. A little chl. in Geo just before dyke. Last amt. ground.
379.6	382.2		Cp.	Chl. alt. with dissem Cp.
382.2	393			Geo with a little barren chl. alt.
393	526			Unalt. Geo.
526	529			Lt. grey barren alt.
529	552			Unalt Geo

CORE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG	AVERAGE
W145	103.2	105.3	1.21			
146	116.4	117.3	0.62			
152	260.4	264.5	Tr			
165	379.6	382.2	0.26			

SLUDGE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.
W147	140	150	0.03		
148	150	160	0.12		
149	160	170	0.10		

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
9.3-13	1.3	167.7	0
15.8	0	174.5	0
17.0	.4	178.9	0
19.4	.1	180.4	0
20.2	0	185.4	1.2
25.4	1.5	192.4	.3
29.0	.9	200.4	0
30.3	0	208.8	.1
34.7	.4	213.4	0
41.2	0	221.5	.2
45.1	0	225.9	.4
45.8	0	229.8	0
50.6	0	231.7	0
58.9	.2	235.0	0
66.9	0	240.3	0
68.5	0	241.7	0
76.5	.5	249.1	0
78.0	0	250.1	.2
86.2	3.1	257.3	0
90.8	0	260.4	0
96.2	.4	264.5	0
101.2	0	268.7	1.5
106.6	.1	276.6	.9
113.6	.7	279.8	0
119.8	.6	286.8	0
122.0	0	293.4	1.5
130.3	.3	297.8	0
138.3	0	302.9	.9
144.6	.2	305.3	.1
148.2	.2	308.5	0
151.3	.8	309.9	0
152.7	.2	315.5	0
154.3	0	323.1	0
157.5	1.2	329.6	.5
161.5	1.4	337.7	0
163.2	.2	342.9	.6
163.8	0	351.2	.1
167.0	.4	355.2	.6

BLANDING PRINTING CO.

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS			LEVEL	LAT.	HOLE No. 2-13
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LOCATION	DEP.	SHEET No. 2
			ELEVATION	BEARING	LOGGED BY J.H.P.
			FINISHED	LENGTH	TOTAL RECOV. %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
552	555			Bleached & alt. Grp with Kaolinized Felsp. A little chlor. at start & some epid. but no Cu min.
555	560			Dk gray green and. dyke.
560	565			Grp, unalt, with a little epid. A ½" stringer of Cp at end on dyke contact.
565	571.5			Barren dk gray green and. dyke.
571.5	589.0		Cp	Grp with much chl alt.
				571.5 - 574.8 Fairly well min with Cp in irregular veinlets & dissem.
				574.8 - 589 Occas. veinlets of Cp
589.0	595			Bleached lt. grey alt. Grp. Pract no vis. mafics. No Cu min.
595	610			Still bleached but more mafics than prev. seat
610	677			Normal unalt Grp
677.0	677.2			Barren Qtz. stringer w/ chlorite.
677.2	715			Unalt. Grp.
715	718.5			Grp with slight chl alt.
718.5	722.9		Cp	Grp with much chl alt and several ½" veins of Qtz. Fairly well min with Cp in narrow veinlets mostly in Qtz.
722.9	725.1			Dark gray-green andesite dyke. Lost contact sharp at ∠45°.
725.1	728.1		Cp	Chl alt. slightly min with Cp.
728.1	733.4			Unalt Barren Grp.
733.4	738.5		Cp	Chl alt with a few ⅛" stringers of Cp.
738.5	749			Unalt Grp
749	750			Aplite dyke
750	765			Unalt Grp
				765 End of Hole

CORE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE
W168	571.5	574.8	0.96			
169	574.8	579.8	0.09			
170	579.8	584.8	0.07			
171	584.8	589.0	0.10			
188	718.5	722.9	0.07			
189	725.1	728.1	0.19			
190	733.4	738.5	0.15			

SLUDGE ASSAYS

SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.
W160	420	430	0.07		
161	370	380	0.08		
162	380	390	0.15		

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
359.6	1.8	574.8	1.9
367.9	.4	578.5	.9
375.9	0	587.0	0
383.8	.8	589.4	0
385.7	0	591.6	0
387.0	.7	593.8	.5
389.9	.4	595.3	0
392.1	0	599.9	0
400.6	.0	606.3	1.2
408.8	0	610.5	.2
413.3	.4	616.7	.8
415.8	0	625.0	.3
424.4	.8	633.2	0
431.9	3.2	641.4	.2
439.8	0	645.5	0
446.8	.4	649.9	1.1
451.9	.5	658.0	.1
460.0	.2	660.0	.5
467.7	.1	668.1	0
476.0	.4	676.9	0
484.2	0	681.0	.5
490.9	.7	687.8	1.2
497.5	5.8	691.7	.1
506.3	.6	699.8	0
513.6	.2	706.9	1.1
521.6	0	713.3	.9
525.6	0	709.1	0
533.8	.1	711.9	1.4
541.9	4.0	715.8	.1
547.6	2.0	722.9	.1
550.4	0	724.5	.7
551.8	0	731.9	.6
556.8	0	740	.5
558.8	0	746	0
559.8	0	754.9	.7
564.9	3.2	756.3	.1
565.2	.0	765	1.0
570.1	.9		

COLUMBIA PRINTING CO.

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS		
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED
COLLAR		-80°
300	-86	-80°
600	-85	-85°

LEVEL 2	LAT. 13,686	HOLE No. 2-14
LOCATION	DEP. 13,097	SHEET No. 1
ELEVATION 1432	BEARING N15°26'E	LOGGED BY J.H.P.
FINISHED Aug. 5, 1955	LENGTH 606	TOTAL RECOV. 86.9%

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	35			Grd.
35	40			Barren chl. alt.
40	61.8			Grd
61.8	65.0			Grd with iron stained fracs.
65.0	71			Grd
71	71.3			Aplite dyke.
71.3	102			Grd. Barren fract. @ 89' x 83'
102	109.4			Grd with pale grey alt. and much fracturing. Hem.
				potential. No Cu min.
109.4	131			Unalt. Grd.
131	138.8		Cp	Chl. alt with much epidote and a little Cp.
				1.8' Core recov.
138.8	139.0			Grd.
139.0	138.2		Cp	Vein of Cp
138.2	297			Unalt. Grd.
297	298			Fracture with barren chl. alt.
298	339			Unalt Grd
339	392			Barren lt. grey alt. with rusty fracturing.
392	357			Slightly alt. barren Grd. with blotchy looking matrix.
357	363			Light grey barren alt. Grd with rusty fract. almost
				parallel to core axis.
363	383			Light grey alt. Grd with occas. sections
				of nearly normal Grd and others looking like aplite
				dykes.
383	391			Light alt. with much hematite. No Cu min.
391	395			Barren bleached alt. Grd.
395	410			Normal unalt. Grd.
410	437			Lt grey, hard alt with occas inclusions of unalt
				Grd. No Cu min.
437	457			Unalt. Grd.
457	464.6			Dk grey green andesite dyke. Sharp contacts L 70°-80°
464.6	472			Chl. alt. with a few 1/8" stringers Cp L 30°
472	479			Normal unalt. Grd.
479	481.5		Cp	Hard lt grey alt with a few short (1') sections of
				chl. with fine stringers Cp.
				Cont. Pg 2

CORE ASSAYS

SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE
V166	133.1	136.8	0.36			
180	464.7	467.4	0.04			
181	467.4	472	0.14			
182	470.0	481.5	0.11			

SLUDGE ASSAYS

SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.
164	30	40	0.13		
163	130	140	0.36		

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
0-1.4	5.9	168.4	0
22.8	.5	176.8	.2
25.0	0	181.9	.1
30.8	1.6	190.0	.3
36.0	3.4	194.4	1.9
38.8	2.4	198.8	1.8
41.5	.3	206.3	0
43.5	.2	213.9	1.0
48.3	0	217.0	0
50.7	0	223.2	0
54.0	.4	230.3	1.1
59.0	3.2	238.8	.3
60.0	.6	246.0	0
61.8	.3	255.3	.8
64.0	.3	263.7	.3
68.0	0	271.9	0
72.3	0	280.3	.3
77.2	.9	288.5	0
82.8	.3	297.0	.4
87.1	.3	305.0	1.0
88.8	.1	303.9	.2
90.0	.1	317.9	2.1
92.8	1.5	322.0	0
93.8	0	330.4	3.1
97.1	1.4	338.2	0
99.2	1.3	342.0	.8
102.2	.6	349.0	.4
104.6	.8	353.3	.3
108.4	0	357.9	.9
112.5	1.4	363.1	.9
115.6	.2	368.8	0
120.6	0	373.0	1.5
125.6	.1	376.5	1.4
133.1	.3	379.3	.9
134.8	.5	385.0	1.9
138.2	1.7	388.4	0
141.8	2.4	394.9	0
149.9	.3	400.2	0
158.2	.2	408.4	.2
167.2	0		

COLUMBIA PRINTING CO.

DIAMOND DRILL HOLE RECORD
GRANORE COMPANY

PROPERTY

DIP TESTS			LEVEL	LAT.	HOLE No. 2-14
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LOCATION	DEP.	SHEET No. 2
			ELEVATION	BEARING	LOGGED BY J.H.P.
			FINISHED	LENGTH	TOTAL RECOV. %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
481.5	502.5			Lt grey hard alt. Geo with occasional ¼" fels. xl. and blotchy alt. mafics. Barren.
502.5	510			Much more intensely alt. – Nearly white with few visible mafics.
510	512.5			Barren Geo with a little chl. alt.
512.5	515.2			Qtz vein and chl. alt. with Cp in fine veinlets. 1.1' recov.
515.2	526.8		Cp.	Geo with much chl. alt. Occas. narrow stringers and small dissem patches of Cp.
526.8	538			Lt grey alt., mostly siliceous but one section 528-530 highly alt. with kaolinized feldspars. Last 2' show grading off of alt. to normal Geo.
538	562			Geo – slightly darker than normal with mafics more numerous and larger than usual, with slightly irreg. outlines.
562	566			A little barren chl. alt. with a few hem. stained fractures.
566	575			Geo with a few short sections of pink and grey siliceous alt.
575	576			Pinkish grey aplite dyke. Sharp first contact 15°
576	606			Barren with Geo.
				606' END of HOLE

CORE ASSAYS SAMPLE No.	FROM	TO	% Cu.	OZ. AU.	OZ. AG.	AVERAGE
W.183	512.5	515.2	0.90			
W.184	515.2	521.2	0.39			
W.185	521.2	526.8	0.62			

SLUDGE ASSAYS SAMPLE No.	FROM	TO	% Cu.	OZ. AU.	OZ. AG.

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
404-469	.4		
421	1.0		
429	.6		
430.9	0		
435	.4		
442.9	.2		
447.6	2.2		
451.1	0		
459.7	.2		
466.4	0		
474.6	1.1		
482.8	0		
491.8	2.9		
495	0		
502	2.0		
508.7	1.6		
515.8	3.3		
522.9	.4		
530.4	.3		
538.6	.2		
547	.2		
555	0		
563.7	.4		
566.6	0		
576.2	1.4		
584.4	0		
592.4	2.9		
598.3	0		
606	0		
	79.4		

COLUMBIA PRINTING CO

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS						
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LEVEL: 2	LAT. 13,946.16	HOLE No. 2-15
			LOCATION	DEP. 13,793.77	SHEET No. 1
COLLAR	0°		ELEVATION 1421.64	BEARING N 27°38' E	LOGGED BY J.H.P - JMS
			FINISHED Aug. 16, 1955	LENGTH 502'	TOTAL RECOV. 95.0 %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	10			Casing
10	17.2			Unalt Geo
17.2	22.7		Cp, Bo	Unalt Geo with ⅛" fracts with Cp and Bo about 6" to 8" apart. Also a little diseem Cp. 180°-30°
22.7	50.5		Cp.	Unalt Geo with occas. fine fract with Cp
22.7	50.5			Unalt. Geo. One ½" fract. with Cp at 31'
50.5	55			Barren Geo with a little light alt. and some chl. 2" Qtz vein @ 52.5 with speck of Cp
55	149.7			Unalt Geo. ⅛" fracts with Cp @ 86°-87° 180°
149.7	158.5			Dk. grey green fine andesite dyke. Chilled edge @ 1st contact 180°, 2nd contact 180°
158.5	160.3			Unalt Geo. Barren.
160.3	161.5			Similar andesite dyke. Sharp contacts @ 180° & 170°
161.5	247			Unalt Geo. ⅛" vein Cp 180° at 172'
				Geo is uniform and unalt at dyke contacts
247	248		Cp	Geo mostly unalt, but with a 2" seam of Qtz and chlorite containing a little Cp. Also two hairline veins of Cp
248	275			Unalt Geo. ⅛" vein Cp at 250' 180°
				2-1" Aplite dykes @ 172'. Few specks Cp at 270'
275	277			Barren Geo with epidote and slight chl. alt.
277	314			Unalt. Geo. ½" Aplite dyke @ 281' & 297'
314	320		Cp	Geo. chl. alt. with a little Cp @ 317
320	376			Unalt. Geo. Narrow fract with chl. @ 323 210°
376.0	376.2			Epidote with a few specks Cp
376.2	411			Barren unalt. Geo.
411	416			Geo. smaller crystals and less mafic than normal
416	439			Geo. slightly less mafic than normal
439	502			Geo. Barren unalt.
				502 is the END OF THE HOLE

CORE ASSAYS SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE
W191	14.2	17.2	0.31			
W192	17.2	22.7	0.07			
W193	31.4	32.0	0.07			

SLUDGE ASSAYS SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.

RECOVERY RUN	SHORT	RECOVERY RUN	SHORT
10+12.8	.4	293.6	.2
17.8	0	302	.3
22.8	.1	314.8	1.2
27.8	0	318.6	0
30.8	0	326.0	0
38.9	3.1	334.9	.6
42.4	.2	343.2	0
50.5	3.2	351.8	.2
51.7	.2	359.9	1.7
58.9	0	363.0	.1
66.9	0	371.0	0
75	0	380	.8
83.6	.5	388.2	.2
92	.2	396.5	.3
100.8	.7	404.6	.1
108.9	.1	412.8	.1
117.1	.6	420.3	.0
123.8	0	429.3	.6
131.8	.2	437.7	.4
139.8	0	446.8	1.0
147.8	0	454.9	.0
153.7	.2	463.8	.9
161.9	0	472	.1
168.6	0	480.2	.2
177.5	.7	485.2	0
186.4	.8	493	0
194.8	.2	502	.9
203	0		
212	.5		95.0
220.4	.4		
228.9	.2		
237	0		
245.4	.4		
253.8	.3		
262.8	.5		
270.9	.6		
277.2	.1		
285.2	0		

COLUMBIA PRINTING CO.

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS					
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LEVEL 2	LAT. 13,409.70	HOLE No. E-16
			LOCATION	DEP. 13,534.40	SHEET No. 1
COLLAR	0°		ELEVATION 1411.18	BEARING N 53° 07' E	LOGGED BY J.H.P. - JMS
			FINISHED Aug. 30, 1955	LENGTH 884'	TOTAL RECOV. 88.3 %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	6			Geo. slightly bleached, with numerous barren rust fract
6	35			Unalt Geo. Rusty fract @ 22-22.5
35	81			Geo. lighter than normal in color - fewer mafics. Barren rusty fracts @ 37-38, 50-51
81	92			Geo. similar to above but with still fewer and finer mafics.
92	120			Normal unalt. Geo.
120	127.8			Barren chl alt with much epidote and some hem. Two hairlike stringers of Cp in with epidote at 120'
127.8	133			Unalt Geo. A little epid @ 129' and 131'
133	135			Geo with numerous fine fracts. Hem on most fract planes. Some chlorite but no Cu min.
135	385			Unalt. Geo.
385	398			Barren Geo. with sections where feldspars have pinkish color.
398	405.5			Unalt. Geo.
405.5	408.5			Softer broken up zone with several mud seams of dark red color (Hematite ?)
408.5	415			Geo. slightly chlor. narrow bands of epidote
415	428			Unalt. Geo. rusty fracture at 419.2' Trace of Cp in 1/16" epidote fracture at 423'
428	432.5			Barren Geo. - slightly chlor.
432.5	512.6			Normal Geo. - slightly chlor at 452-452.5
512.6	513			Basic dyke
513	523			Unalt. barren Geo. 3 hair like stringers epidote ∠35°-65° at 522'
523	526			Unalt Geo - with slight Cp min.
526	531.6			Unalt. barren Geo.
531.6	532			3 stringers (1/8") epidote ∠60°. Fracture ∠10°
532	533			Fracture ∠0°
533	534			Unalt. barren Geo
534	534.7			Geo slightly darker than normal - slight Cp min.
534.7	539.7			Geo as above. Barren except for specks of Cp at 539.5
539.7	541			Geo. - bleached to a light greyish green
541	577.4			Unalt. barren Geo. 545-547.7 fault plane ∠0°. Movement appears to have been ∠70°

CORE ASSAYS

SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE
W 201	523	526	0.18			
W 202	526	530.6	Tr			
W 203	530.6	534	0.07			
W 212	534	534.7	2.00			
W 213	534.7	539.7	0.08			
W 235	705	708	Tr			
W 236	708	710.5	0.20			
W 237	710.5	711.8	Tr			
W 245	653	658	0.03			
W 246	830	831	1.20			

SLUDGE ASSAYS

SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.
W 238	700	710	Tr		

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
0-9.3	1.8	154.1	.2
11	1.3	160.4	0
15.8	.3	169.3	.8
22.5	3.8	177.4	1.2
25.1	1.3	185.9	.25
33.2	.1	195	.7
40.2	.4	199.3	2.3
42.3	.9	207.8	.1
45.4	1.1	216.3	.5
49.9	1.6	225.1	.25
54.1	3.1	231.2	1.6
57.2	1.2	237.6	0
62.5	.2	238.8	.1
66	2.8	247.3	.14
70.3	1.4	255.7	.7
74.3	.4	264.9	.6
78	1.4	271.4	.6
80.8	1.0	275.3	.06
84.2	.3	278.3	.6
87.5	.5	281.8	.8
91.9	1.6	293.7	3.3
96.9	.0	298.7	0
100.1	1.0	309.8	.8
108.8	.6	310.7	.8
117.1	1.0	315.6	0
121.8	0	320.6	0.1
123.7	.1	323.3	.2
125.4	.3	335.5	.7
129.5	2.3	344.5	1.7
130.1	0	348.5	1.0
130.9	.3	356.2	.6
131	0	359.2	.9
131.5	.3	361.5	1.0
135.9	1.9	365.1	0
137.9	.1	367.6	.1
139.7	0	372.2	.1
144.2	0	376.8	.1
149.3	0	383.1	.6

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS					
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LEVEL 2	LAT.	HOLE NO. 2-16
			LOCATION	DEP.	SHEET NO. 2
			ELEVATION	BEARING	LOGGED BY
			FINISHED	LENGTH	TOTAL RECOV. %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
				536 - 557 Fractured ∠5°
				567.9 Blebs of epidote
577.4	578.2			Finer grained, light grey aplite dyke. Contact at
				578.2 ∠45° One bleb of Cp on contact
578.2	604.6			Unalt. barren GRD.
604.6	605.5			GRD. chlor. alt. 604.8-605.5 rusted zone ∠20°
605.5	623			Unalt. GRD. 614.5-615 several fractures, some rusty
623	632.7			GRD. chlor. alt. Several fractures, some slightly rusted
632.7	633.2			Core is bleached.
633.2	644			Broken, rusted section. Barren
644	646			Light colored zone - quartz and alkali feldspars
646	653			Unalt. GRD.
653	659.5		Cp	GRD - chlor. alt. A few 1/16" veinlets Cp.
659.5	659			Unalt. GRD.
659	662			GRD - chlor. alt.
662	664.5			Unalt. GRD.
664.5	666			GRD. - Chlor. alt.
666	670			Unalt. GRD.
670	670.6			GRD. - Chlor. alt.
670.6	673			Unalt. GRD.
673	688			GRD. - lighter than normal due to less mafic. Some
				of the feldspars are pinkish. One speck of Cp
				at 679 and one at 680 and 1/8" veinlet Cp at 677
688	705			Unalt. barren GRD.
705	707.7			GRD. with sparsely scattered specks of Cp
707.7	710.5			As above, plus an 1/8" veinlet of Cp at 708; another
				at 708.6. Bleached zone 709-710.5
				Cp blebs on fracture planes.
710.5	729.3			Unalt. barren GRD. 3" bleached zone at 721 with
				a few specks of Cp on fracture plane. 1" band
				of bleached rock at 725'
729.3	730.1			Quartz, with light purple mottling on both ends.
730.1	741			Unalt. barren GRD.
741	744			GRD. Core becomes lighter towards 744 due to
				lessening amount of mafics.
744	750			Unalt. GRD.
750	757			GRD - Chlor. alt. Mafics are bleached.
757	795			Unalt. GRD. 2 rusty fractures at 771' ∠50° and 30°

CORE ASSAYS: SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE

SLUDGE ASSAYS: SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
355.1-379	2.0	642.8	6.2
395	0	644	0
400.8	1.5	644.8	0
405.2	0	653.9	1.0
410.8	.1	661.8	0
415.4	.5	670	.1
419.2	0	678.5	.2
422	0	686.8	.5
423.5	.1	693.8	.0
425	.5	703.6	.8
428	2.7	710.9	0
435.1	0	719.9	0
443.7	.1	727.6	0
452	0	736.6	.9
460.3	0	744.0	1.9
469.1	.8	751.5	.9
477.3	.1	753.9	.1
485.5	.2	758.3	0
493.7	.1	766.2	0
502.7	.7	774.1	0
512.6	1.5	781.7	.4
520	1.1	787.7	.3
526.6	0	794.7	1.0
535.4	.8	798.1	.8
539.7	1.3	802.5	.1
547.8	0	806.3	1.1
552.4	0	813.6	.0
559.6	0	822.1	.1
567.9	.2	831.9	1.9
576.1	0	835.6	0
584.2	0	845.2	1.4
593	.7	852.8	0
601.1	.1	861.1	0
609.2	.1	870.1	.9
617.5	0	875.3	.3
625.7	2.1	884	.5
629.5	0		
632.8	2.4		103.1

COLUMBIA PRINTING CO

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY _____

DIP TESTS			LEVEL	LAT.	HOLE No. 2-16
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LOCATION	DEP.	SHEET No. 3
			ELEVATION	BEARING	LOGGED BY
			FINISHED	LENGTH	TOTAL RECOV. %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
				Cp. min on fractures at 780' and 780.6'
				Several rusted fractures at 78.6' - 787.7
795	798			GRD. - chlor. alt. with rust colored zone and
				cut by rusty fractures.
798	807			GRD. - Unalt. but cut by fractures, slightly rusty
807	820			Unalt. GRD. Cp min at 815' on "16" fracture
820	826			GRD. - mafics slightly bleached.
826	841			GRD. - Core bleached with much lt grey hard alteration.
			Cp.	830-830 Crushed Qtz with Chl. alt and a little Cp. Vein?
841	843			GRD. - feldspars are slightly darker than normal
843	847			GRD. - bleached, as above
847	858			GRD. - normal, except for darker feldspars, as above
858	861			GRD. - bleached, as above
861	884			GRD. Almost normal, but mafics blotchy and
				irreg. in outline. No Cu min
				872-873.5 Bleached.
				884' End of Hole

CORE ASSAYS							SLUDGE ASSAYS						RECOVERY		RECOVERY	
SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE	SAMPLE NO.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	RUN	SHORT	RUN	SHORT

COLUMBIA PRINTING CO

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY: INDEX MINE

DIP TESTS				
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LEVEL 2	LAT. 13,826.26
			LOCATION	DEP. 18,745.88
COLLAR	0°		ELEVATION 1419.40	BEARING N 67°19'E
			FINISHED Aug. 23, 1935	LENGTH 357.3

HOLE No. E-17
SHEET No. 1
LOGGED BY JMS
TOTAL RECOV. 87.8 %

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
0	13			Barren GRD - chlor.
13	24			GRD. - slightly bleached
24	71			Unalt. GRD. Several blebs of epidote at 62.5'
				Phlogopite particles in fractures at 65'
71	80			GRD - less mafic than normal
80	106.6			Unalt. GRD.
106.6	122			GRD. Feldspars darker than normal. Numerous
				rusty fractures ∠0° - ∠90°
122	172.6			Unalt. GRD. Two rusty fractures at 154.7' ∠35° & 35°,
				a few flecks Cp. near the 35° fracture. Fracture
				at 155.5' ∠30°, with phlogopite. Fracture at 193' ∠35°
				slightly rusted, flecs of phlogopite. Several fractures
				at 167' showing calcite and phlogopite. Two rusty
				fractures at 172' ∠30° and ∠90°
172.6	173.3			GRD. cut by several unmineralized rusty fractures.
				Rock also shows a rusty color.
173.3	188			GRD - unalt. except for rust colored section at 184'
188	190.3			Bleached zone with a rust colored zone at
				188.2 - 188.6
190.3	214		(Cp)	Unalt. GRD. Barren except for sparse flecks
				of Cp. from 205 - 214
214	216.2			Bleached, and cut by heavily rusted fractures
216.2	219			GRD. - lighter than normal.
219	226.3		(Cp)	Unalt. GRD. with widely scattered specks of Cp.
226.3	230.5			Core is bleached and is increasingly lighter
				towards 230'
230.5	231.5			Very little mafic - most of the feldspars are pink
				in color - Qtz. Monzonite
231.5	235.2			GRD. - chlor. alt.
235.2	259		(Cp)	Unalt. GRD. very rare specks of Cp. Rusty
				fractures at 248 with specks of Cp. close to them.
259	263		Cp.	GRD. - chlor. alt. Feldspars are darker than normal.
				Some Cp. min. increasing towards 263'.
263	271.7			Feldspars still dark but more pink showing Cp.
				min. very slight.
271.7	276.7			GRD. - Chlor. alt.
276.7	289			Core very light colored due to absence of
				mafics. 2 bands ("1") of light feldspars at 277.7
				with blebs of Cp. along both.

CORE ASSAYS

SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	AVERAGE
W214	202.5	205.5	Tr			
W215	205.5	210	Tr			
W216	210	214	0.03			
W217	214	216.2	Tr			
W218	216.2	219	Tr			
W219	219	224	Tr			
W220	224	226.3	Tr			
W222	252	260	0.11			
W223	260	267.3	0.81			
W224	289	291	2.67			
W225	331.6	333.2	0.46			
W226	333.2	338.2	0.14			
W227	338.2	343.2	0.14			
W228	343.2	348.2	0.15			

SLUDGE ASSAYS

SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.
W229	290	300	0.77		

RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT
0-4.6	.2	194	0
9.8	.6	202.6	.5
19	2.7	216.9	1
24	2.7	219.9	.5
29.9	1.5	229.6	1.2
35.4	2.2	238.3	.6
43.6	.3	243	.1
48.2	.6	251	0
56.6	0	252	.2
64.6	0	260.2	.2
67.6	.3	266.4	1
75.8	0	271.4	.1
83.9	2.0	274.2	0
92.4	.2	282.8	.3
98	.6	289.1	2.0
106.7	6.4	294.1	0
107.9	.4	298.1	.23
110.2	0	300.9	.8
112.9	.9	309.3	.2
117.4	.17	317.3	.2
121	1.9	325.1	.0
123	0	333.3	.3
124.2	.6	341.2	.2
127.6	.9	349.3	0
130.2	.7	357.3	0
132.9	.2		
135.2	0		45.7
140.5	.9		
142.7	.5		
144.2	0		
147.4	1.3		
150.4	.5		
155.0	0		
156.8	.2		
162	0		
168.8	.8		
176.8	.2		
185.8	2.9		

COLUMBIA PRINTING CO

DIAMOND DRILL HOLE RECORD

GRANORE COMPANY

PROPERTY INDEX MINE

DIP TESTS			LEVEL 2	LAT.	HOLE No. 2-17
FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LOCATION	DEP.	SHEET No. 2
			ELEVATION	BEARING	LOGGED BY
			FINISHED	LENGTH	TOTAL RECOV. %

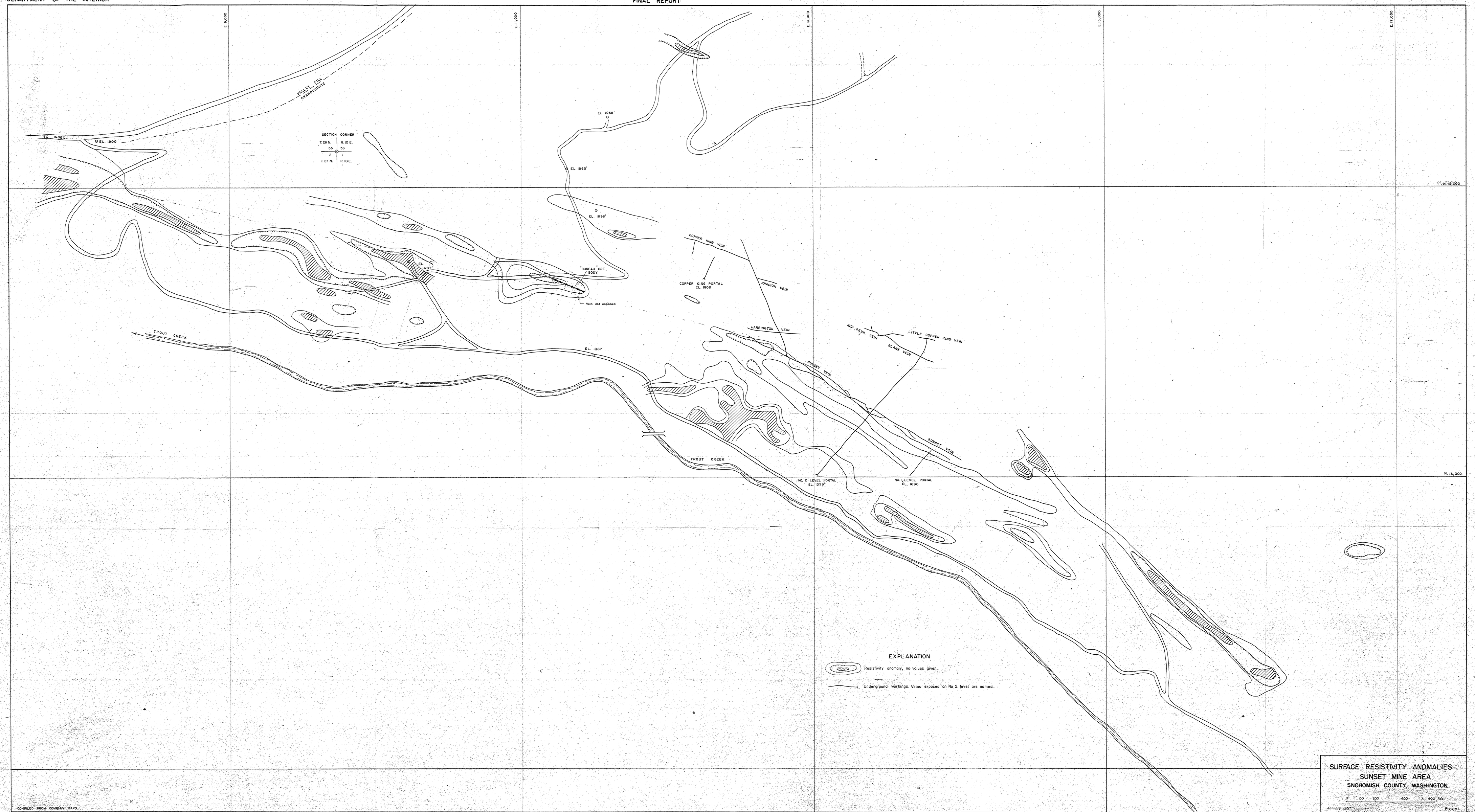
FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	MINERALIZATION	DESCRIPTION
289	291		Cp	Two dark bands with a light band of equal length between them. ¼" veinlet of Cp. at 289.3 with particles of quartz. Medium min. from 290.3 - 290.7.
291	298			Core is very light grey with a few narrow stringers of f.g. dark grey rock.
298	300.9			F.g. light greenish grey - kaolinized
300.9	331.6			Light colored GRD due to lack of mafics. Small particles of Cp. in a ⅛" dark grey band at 229.1. 330-331.6 braided bands of hematite, with quartz inter-mixed from 330-330.3
331.6	348.2		Cp	GRD - chlor. alt. Darker than normal due to darker colored feldspars. ⅛" veinlet Cp. at 332' and sparsely scattered specks of Cp from 332 to 348. ⅛" veinlets of Cp. at 336, 341 and 346.
348.2	357.3			Unalt. GRD - barren except for R specks of Cp. at 353'
				357.3' is the End of the Hole.

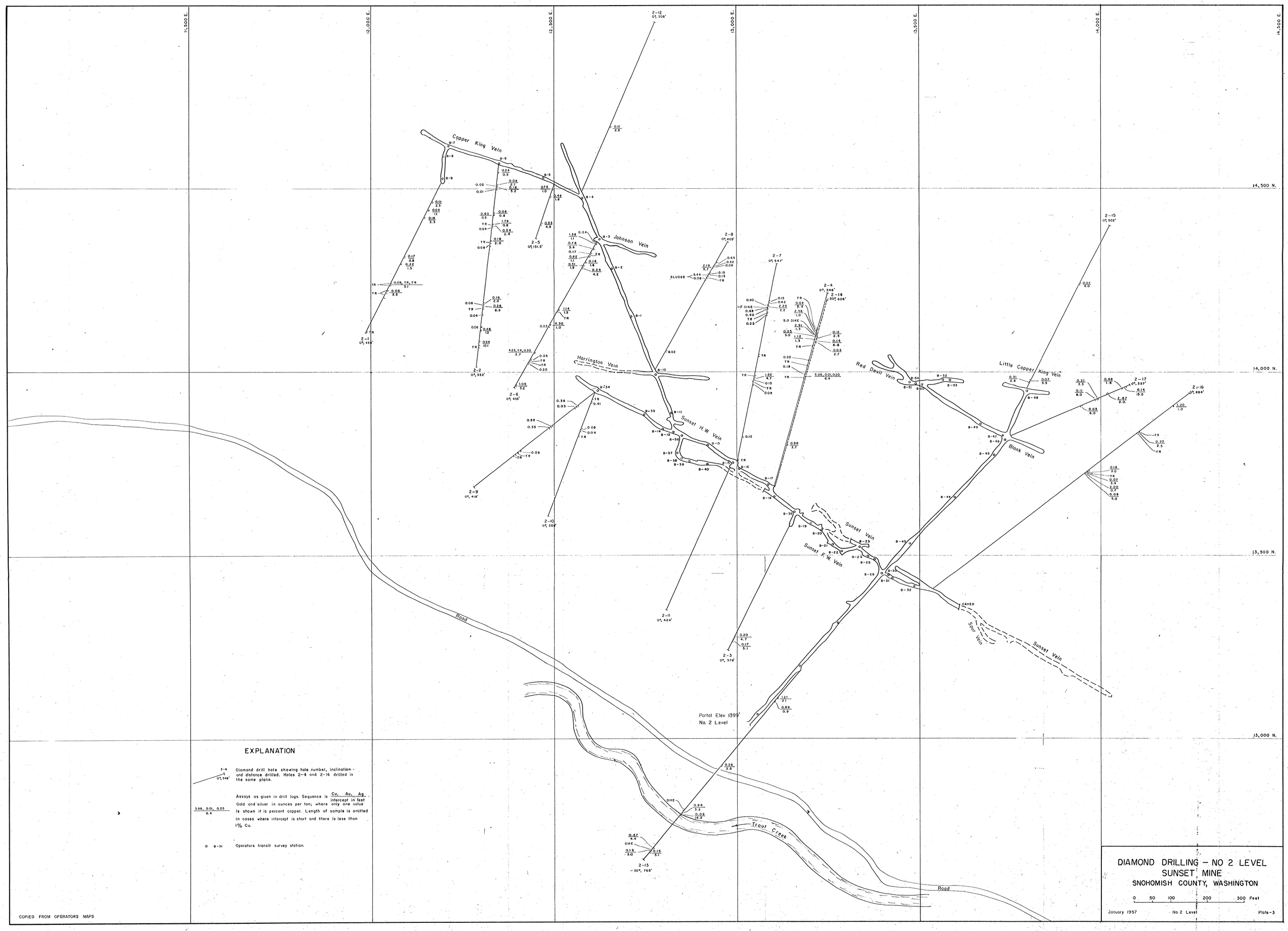
CORE ASSAYS SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG	AVERAGE	SLUDGE ASSAYS SAMPLE No.	FROM	TO	% CU.	OZ. AU.	OZ. AG.	RECOVERY RUN	RECOVERY SHORT	RECOVERY RUN	RECOVERY SHORT

UNITED STATES
DEPARTMENT OF THE INTERIOR

PREPARED FOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
FINAL REPORT

DOCKET NO. D.M.E.A. 2612




11,500 E.
12,000 E.
12,500 E.
13,000 E.
13,500 E.
14,000 E.
14,500 E.
14,500 N.
14,000 N.
13,500 N.
13,000 N.
Copper King Vein
Johnson Vein
Harrington Vein
Sunset H.W. Vein
Sunset F.W. Vein
Sunset Vein
Red Devil Vein
Little Copper King Vein
Blank Vein
Spur Vein
Trout Creek
Road
CAVED
SLUDGE
DIKE
Portal Elev. 1399'
No. 2 Level
EXPLANATION
Diamond drill hole showing hole number, inclination and distance drilled. Holes 2-4 and 2-14 drilled in the same plane.
Assays as given in drill logs. Sequence is Cu, Au, Ag. Gold and silver in ounces per ton; where only one value is shown it is percent copper. Length of sample is omitted in cases where intercept is short and there is less than 1% Cu.
Operators transit survey station.
COPIED FROM OPERATORS MAPS
DIAMOND DRILLING – NO 2 LEVEL
SUNSET MINE
SNOHOMISH COUNTY, WASHINGTON
0 50 100 200 300 Feet
January 1957
No. 2 Level
Plate-3

UNITED STATES
DEPARTMENT OF THE INTERIOR

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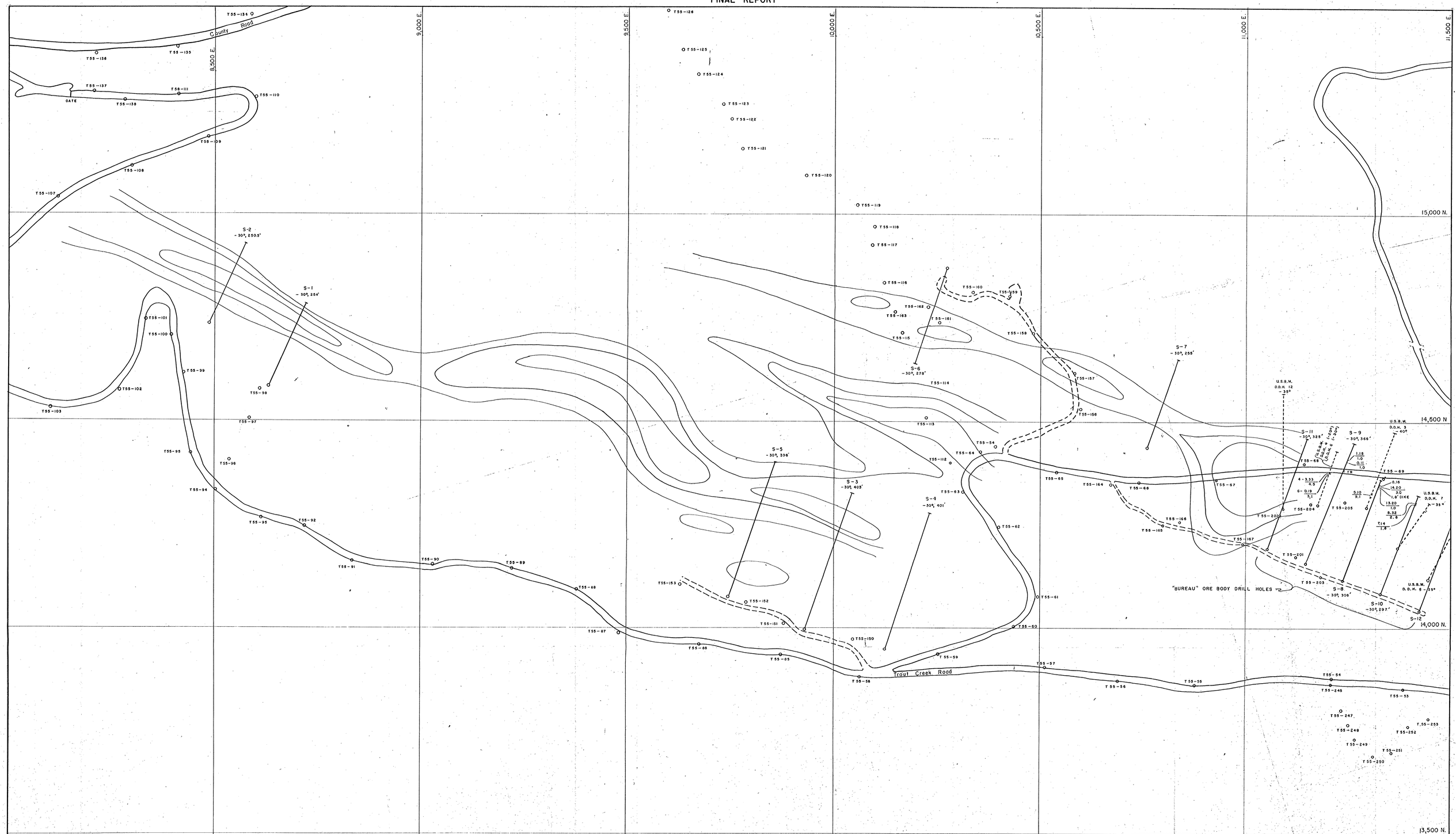
FINAL REPORT

DOCKET NO. D.M.E.A. 2612



EXPLANATION

S-11 -30°, 325 — Diamond drill hole showing hole number, inclination, and distance drilled.

U.S.B.M. D.D.H. 7 -35° — Diamond drill hole by U.S. Bureau of Mines drilled prior to D.M.E.A. contract.

5.10 / 9.1 — Assays as given in operators drill logs, shown as % Cu / intercept in feet. Length of sample is omitted in cases where the intercept is short and there is less than 1% copper. Assays also shown for U.S.B.M. drilling.

T55-54 — Operator's transit survey station.

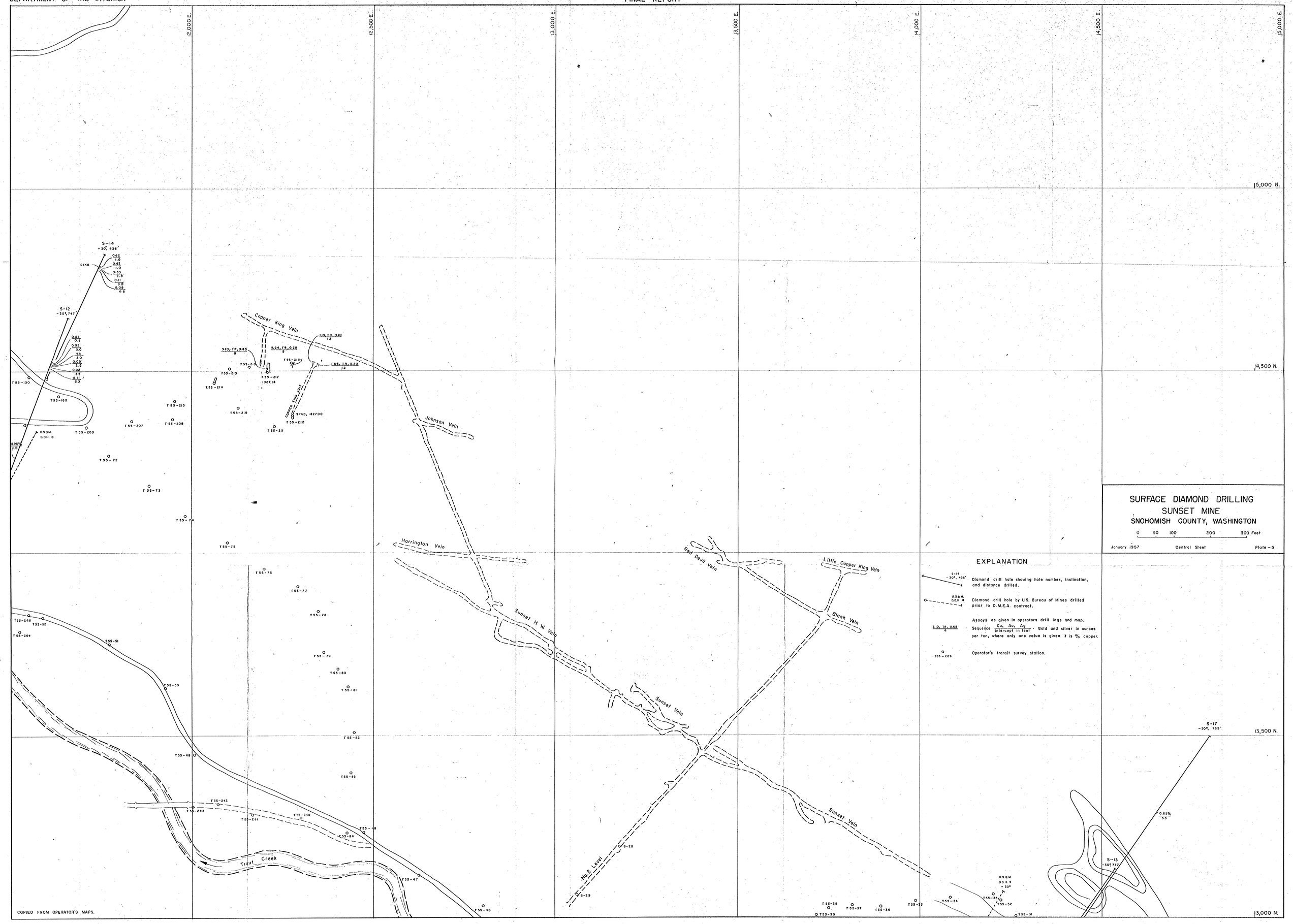
NOTE: Resistivity anomalies indicated as series of lines.

SURFACE DIAMOND DRILLING
SUNSET MINE
SNOHOMISH COUNTY, WASHINGTON

0 50 100 200 300 Feet

January 1957 — Northwest Sheet — Plate - 4

COPIED FROM OPERATOR'S MAP.


12,000 E.
12,500 E.
13,000 E.
13,500 E.
14,000 E.
14,500 E.
15,000 E.
15,000 N.
14,500 N.
13,500 N.
13,000 N.
S-14
-30°, 436'
DIKE
S-12
-30°, 747'
S-17
-30°, 765'
S-13
-30°, 777'
Copper King Vein
Johnson Vein
Harrington Vein
Red Devil Vein
Little Copper King Vein
Sunset H. W. Vein
Blank Vein
Sunset Vein
No. 2 Level
Trout Creek
USBM
D.D.H. 9
SPAD, 1927.00
1927.14
EXPLANATION
Diamond drill hole showing hole number, inclination, and distance drilled.
Diamond drill hole by U.S. Bureau of Mines drilled prior to D.M.E.A. contract.
Assays as given in operators drill logs and map. Sequence Cu, Au, Ag intercept in feet · Gold and silver in ounces per ton, where only one value is given it is % copper.
Operator's transit survey station.
SURFACE DIAMOND DRILLING
SUNSET MINE
SNOHOMISH COUNTY, WASHINGTON
0 50 100 200 300 Feet
January 1957
Central Sheet
Plate - 5
COPIED FROM OPERATOR'S MAPS.

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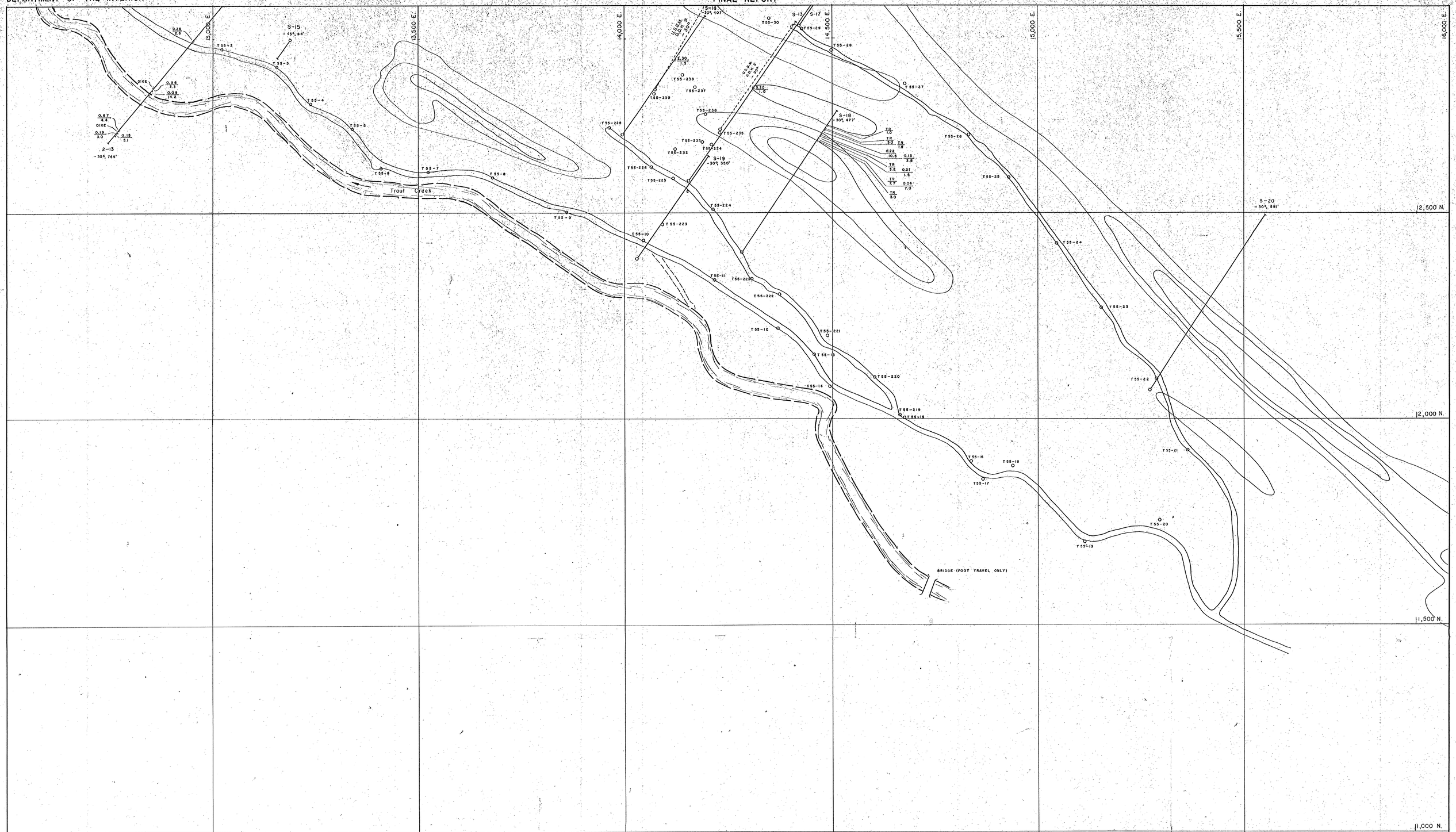
FINAL REPORT

DOCKET NO. D.M.E.A. 2612



EXPLANATION

S-18 -30°, 477' — Diamond drill hole showing hole, number, inclination and distance drilled.

U.S.B.M. D.D.H. 5 — Diamond drill hole by U.S. Bureau of Mines drilled prior to D.M.E.A. contract.

0.12 / 1.5 — Assays, as given in operator's drill logs, are shown as % Cu / intercept in feet.

NOTE: Resistivity anomalies indicated as series of lines.

SURFACE DIAMOND DRILLING
SUNSET MINE
SNOHOMISH COUNTY, WASHINGTON

0 50 100 200 300 Feet

COPIED FROM OPERATOR'S MAPS.

January 1957 — Southeast Sheet — Plate - 6

UNITED STATES
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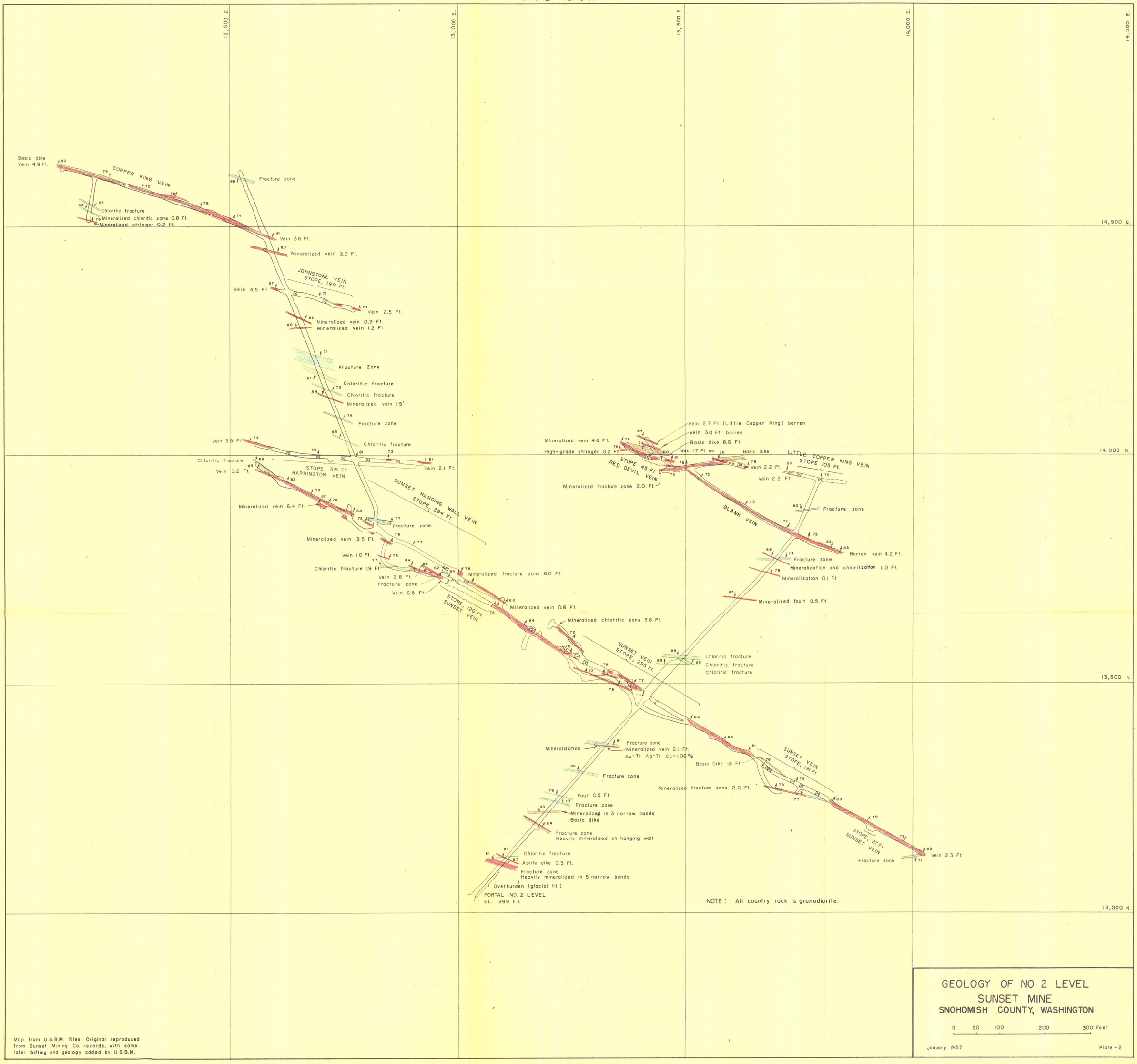
DOCKET NO. D.M.E.A. 2612



GEOLOGY OF NO 2 LEVEL
SUNSET MINE
SNOHOMISH COUNTY, WASHINGTON

0 50 100 200 300 Feet

January 1957

Plate - 2

Map from U.S.B.M. files. Original reproduced from Sunset Mining Co. records, with some later drifting and geology added by U.S.B.M.