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SAFFORD PROJECT INDEX MAP

PHELPS DODGE (P.D.)

Tract 37

Sec. 32

dos pobres deposit

lone star deposit

extension

ESSEX

San Juan

KENNECOTT

INSPIRATION CONSOLIDATED COPPER CO.

SANCHEZ

WINKLER FAULKNER (WEST)

WINKLER FAULKNER (CENTER)

PHELPS DODGE CORP SAFFORD PROJECT

PAM CLAIMS

WASP, HORNET & ETC CLAIMS

TULA BELLE CLAIMS

BEAR SPRINGS CLAIMS

STAR SPRINGS

WALNUT CLAIMS

BEN HUR CLAIMS

DUNLOP CLAIMS

STATE

JUPITER CLAIMS

VENUS CLAIMS

SATURN CLAIMS

MARS CLAIMS

21 JETS GROUP

KEY GROUP

SOTO STATE LEASE

SKYRIDGE CLAIMS

BOHEMA GROUP

NAIL KEG GROUP

COCHINO

MAH KEG GROUP

COPPER CHIEF GROUP

BARDWELL GROUP

P.D. STRIP CLAIMS

BIG BIRD GROUP

LAGGER GROUP

REDHILL GROUP

COFFEE

FLAT TOP GROUP

BOLO GROUP

MESQUITE

BIG BEN GROUP

MELODY GROUP

LEAD HILL GROUP

COPPER PLAT GROUP

BIG BIRD CLAIMS

HORSESHOE PATENTED CLAIMS

BLUE BIRD KNOB HILL CLAIMS

KENNECOTT UNPATENTED CLAIMS

HAM CLAIMS

BONITA CLAIMS

COBRE CLAIMS

T.5 S.
T.6 S.

R.25 E.
R.26 E.

57°30'

55'

38°50'

670 000

ESSEX INTERNATIONAL, INC.

SAFFORD PROJECT

1" = 4,000'

ESSEX BOUNDARY

PHELPS DODGE BOUNDARY

TRACT 37

SEC. 32

SAN JUAN CLAIM GROUP

KNOWN COPPER DEPOSIT

REVISED Dec. 1973

DISCUSSION OF TONNAGE AND GRADE ESTIMATE

1. Insufficient holes have been drilled to determine lateral extent of mineralization.

2. No attempt was made to figure in pit slope or to determine a practical pit floor. Tonnages were determined purely from thicknesses of mineralization. A practical maximum pit depth of between 400 and 500 feet at V-6 and V-5 would decrease total tonnage approximately 1/3. Arbitrary cut-off of about .3% copper was used.

3. Little stripping is involved for the most part. Most of the overburden would run in the range from .2-.3% copper and probably could eventually be recovered by leaching the waste dumps.

4. A number of angle holes are involved in the estimate and the grade may be unduly influenced by fracture mineralization intersected. Note that the V series holes (vertical) are all lower grade, although all intersect better grade zones than the average.

5. Fracture control is important in the localization of copper in this deposit. Near the fracture zones (within a few tens of feet) the mineralization approaches ore grade (assumed .5-.6% Cu) while between the fracture zones the grade runs more nearly .2% copper. Andesite near the porphyry contact is the favored host, probably due purely to its more brittle, and hence better fractured, nature.

6. There are some disquieting discrepancies in the assaying on some of the holes. Assaying by Hawley and Hawley and Arizona Testing Lab vary in average as much as 0.1% copper. Individual assays may vary by many tenths. These had to have been check run on either the rejects or pulps from the same split of the core. (See Condensed Assay Logs of the Tuab Group).

7. There appears to be a reasonable expectancy for 20,000,000 tons of .4% copper. The tonnage of .3% copper may be as much as 5 times as great. It will be available by open pit mining methods with only slight to moderate stripping, ~~available~~.

8. Assuming 90% recovery:

.4% = .36% = 7.2#/ton @ .30 - $2.16 per ton
.40 - 2.88 " "
.50 - 3.60 " "

On 20,000,000 tons it would appear there is no chance to recoup capitalization on a 30 cent market. A 40 cent market should afford a small to moderate margin for profit. A 50 cent market should result in a good profit. A 50 cent price (based on 1961 dollars) can only come after the virtual exhaustion of all presently known major copper reserves of the world in 50 to 100 years. A 40 cent price will be dependent on a protracted condition of national emergency and probably of insufficient duration to recoup the investment.

The chief interest in the deposit might be for its possible exploitation by technological advances in mining, such as nuclear blasting and leaching in place.

9. It does not appear to be a very attractive property unless we would be willing to hold it for a very long time. If it could be purchased reasonably enough, it seems likely that Phelps-Dodge would have need of it eventually, although I am skeptical that this mineralization is continuous with theirs.

RRR:db

R. R. Reynolds

TONNAGE AND GRADE ESTIMATES

TUAB GROUP (SAN JUAN)

Block	Dimensions	Area	Thick-ness	Vol./12 Tons	Grade	% Tons
V-5	$\frac{480}{2}$ x 290	69,600		95,880,000		
	162 x 200	32,400		12		
		102,000	940'	7,990,000	.36	2,876,400
A-1	340 x 270	91,800	500'	45,900,000		
				12		
				3,825,000	.47	1,797,750
V-1	138 x 198	27,324	55'	6,338,420	.37	
	105 x 64	6,720		12		
	63 x 150	9,450		"		
	410 x 175	71,750				
		115,244		528,200		195,434
A-3	240 x 185	44,400	130'	11,904,750	.72	
	255 x 185	47,175		12		
		91,575		992,063		714,285
A-4	380 x 60	22,800	120'	18,612,000	.58	
	420 x 315	132,300		12		899,580
		155,100		1,551,000		
V-6	370 x 310	114,700	780'	160,641,000	.34	
	365 x 250	91,250		12		
		205,950		13,386,750		4,551,495
A-5	230 x 280	64,400	50'	10,960,000	.45	
	360 x 430	154,800		12		
		219,200		913,333		411,000
A-2	495 x 300	148,500	130'	19,305,000	.53	
				12		
				1,608,750		
				30,795,096 Tons		12,298,582 % T
						Av. 0.40% Cu

CONDENSED ASSAY LOGS OF THE TUAB GROUP
(San Juan)

Footage	H & H	% Cu		ATL	% Cu		Remarks
V-4:							
10-100	5.96 ÷ 15 =	.40	(1/3-1/2 Ox. Cu.)	3.35 ÷ 15 =	.22	(-.18)	Looks like Ox. Cu Assay but reported as total??
100-200	5.77 ÷ 19 =	.30	" " " "	3.05 ÷ 20 =	.15	(-.15)	Disagreement is ridiculous
200-300	7.05 ÷ 20 =	.35	" " " "	4.67 ÷ 20 =	.23	(-.12)	" " "
300-400	6.44 ÷ 20 =	.32	" " " "	5.18 ÷ 20 =	.26	(-.06)	" " "
400-500	6.86 ÷ 20 =	.34	" " " "	7.56 ÷ 20 =	.38	(+.04)	
500-600	7.47 ÷ 20 =	.37	" " " "	8.75 ÷ 20 =	.44	(+.07)	
600-700	4.81 ÷ 20 =	.24	Oxide Copper Low	7.26 ÷ 20 =	.36	(+.12)	
700-800	4.39 ÷ 20 =	.22	" " "	5.73 ÷ 20 =	.29	(+.07)	
800-900	5.75 ÷ 20 =	.29	Very Low Oxide Cu	7.87 ÷ 20 =	.39	(+.10)	
900-1000	6.16 ÷ 20 =	.31	" " " "	8.34 ÷ 20 =	.41	(+.10)	
TD 1015	AV =	.31					
A-1:							
33-103	4.93 ÷ 14 =	.35		5.44 ÷ 14 =	.39		(This is a vertical hole
103-200	63.86 ÷ 97 =	.66		64.95 ÷ 97 =	.67		despite the "A")
200-300	5.95 ÷ 20 =	.30		5.54 ÷ 20 =	.28		
300-400	7.88 ÷ 14 =	.56	(300'-370')	9.83 ÷ 20 =	.49		
400-500	3.46 ÷ 12 =	.29	(440'-500')	7.95 ÷ 20 =	.40		(Oxid. nil below 450)
500-530	3.47 ÷ 6 =	.58		3.17 ÷ 6 =	.53		
530-781 TD	Averages less than 0.1% Cu						
V-8:	ATL only						
60-100	1.70 ÷ 8 =	.21	Very low grade hole				
100-200	3.43 ÷ 20 =	.17	" " " "				
200-300	5.70 ÷ 20 =	.28	" " " "				
300-400	5.48 ÷ 20 =	.27	" " " "				
400-475	3.55 ÷ 16 =	.22					
475-555	No assays						
555-610	3.04 ÷ 11 =	.28					

CONDENSED ASSAY LOGS
of the
TUAB GROUP
(San Juan)

V-6:	H & H	% Cu	ATL	% Cu
Footage				
20-95	3.46 ÷ 9 =	.38		
95-200	6.26 ÷20 =	.31		
200-300	7.09 ÷20 =	.35		
300-400	7.27 ÷20 =	.36		
400-500			5.54 ÷ 20 =	.28 (400-450 ATL .23) (400-450 H&H .275)
500-600			5.78 ÷ 20 =	.29
600-700	7.76 ÷ 20=	.39	8.27 ÷ 20 =	.41
700-800	7.87 ÷ 20=	.39	6.77 ÷ 20 =	.34
800-900	5.47 ÷ 20=	.27	4.90 ÷ 20 =	.24
900-1033	7.19 ÷ 25=	.29	7.57 ÷ 26 =	.29
V-5:				
20-100	4.05 ÷ 14 =	.29	5.18 ÷ 14 =	.37
100-200	6.21 ÷ 20 =	.31	8.83 ÷ 20 =	.44
200-300	7.44 ÷ 21 =	.35	8.61 ÷ 20 =	.43
300-400	4.66 ÷ 20 =	.23	6.32 ÷ 20 =	.32
400-500	4.95 ÷ 20 =	.25	5.65 ÷ 20 =	.28
500-600	6.89 ÷ 20 =	.34	8.19 ÷ 20 =	.41
600-700	9.88÷ 20 =	.49	9.73 ÷ 20 =	.49
700-800	8.22 ÷ 20 =	.41	8.82 ÷ 20 =	.44
800-900	6.40 ÷ 20 =	.32	6.93 ÷ 20 =	.35
900-1000	7.17 ÷ 20 =	.36	4.52 ÷ 20 =	.23

A-2:	ATL	
20-100	6.31 ÷ 16 =	.39
100-200	10.10 ÷ 20 =	.51 - angled thru min. zone at 160 feet
200-300	3.26 ÷ 20 =	.16
300-400	3.76 ÷ 20 =	.19
400-500	5.34 ÷ 20 =	.27
500-600	3.88 ÷ 20 =	.19
600-700	5.28 ÷ 20 =	.26
700-750	2.41 ÷ 10 =	.24

V-10:			ATL only		
0-100	6.21 ÷ 20 =	.31	792-895	2.23 ÷ 10 =	.22
100-200	6.39 ÷ 20 =	.32	895-998	3.28 ÷ 10 =	.33
200-300	5.47 ÷ 20 =	.27	998-1094	2.61 ÷ 10 =	.26
300-400	5.55 ÷ 20 =	.28	1094-1202	3.44 ÷ 10 =	.34
400-500	4.97 ÷ 20 =	.25	1202-1300	1.68 ÷ 10 =	.17
500-600	3.94 ÷ 20 =	.20	1300-1398	1.50 ÷ 10 =	.15
600-660	4.04 ÷ 13 =	.31	1398-1498	1.64 ÷ 10 =	.16
660-792	2.56 ÷ 14 =	.18	1498-2230	xxxxxx Av. less than	

DDH A-3 - RARE METALS (SAN JUAN)
(Arizona Testing Lab. Assays)

CORE		SLUDGE	
Footage	% Cu	Footage	% Cu
40-50	0.54	10-20	0.48
50-65	0.51	20-30	0.16
65-70	0.38	30-40	0.32
70-80	0.32	40-50	0.13
80-85	0.81	50-52	0.25
85-90	1.31	52-59	0.13
90-95	1.60	59-60	0.10
95-100	1.50	64-69	0.13
100-105	0.55	69-77	0.25
105-115	1.17		
115-120	0.77	105-114	0.64
120-125	0.71		
125-130	3.20	154-157	0.45
130-135	0.64		
135-140	0.64	163-166	0.48
140-145	0.13		
145-150	0.64	197-203	0.25
150-155	1.27		
155-160	0.25	312-318	0.13
160-165	0.32		
165-170	0.90	515-523	0.06
170-175	0.16		
175-180	0.16		
180-185	0.06		
185-190	0.13		
190-195	0.13		
195-200	0.10		
200-205	0.06		
205-210	0.03		
210-215	0.13		
215-220	0.13		
220-225	0.28		
225-230	0.10		
230-235	0.20		
235-240	0.20		
240-245	0.03		
245-250	0.10		
250-255	0.20		
255-260	0.10		
260-265	0.15		
265-270	0.25		
270-275	0.20		
275-280	0.10		
280-285	0.09		
285-290	0.13		
290-295	0.10		
295-300	0.16		
300-305	0.06		
305-310	0.06		
310-315	0.06		

Footage	% Cu
315-320	0.06
320-325	0.03
325-330	0.03
330-335	0.10
335-340	0.03
340-345	0.03
345-350	0.10
350-355	0.13
355-360	0.10
360-365	0.06
365-370	0.06
370-375	0.10
375-380	0.25
380-385	0.10
385-390	0.32
390-395	0.06
395-400	0.13
400-405	0.13
405-410	0.10
410-415	0.10
415-420	0.06
420-425	0.10
425-430	0.45
430-435	0.16
435-440	0.29
440-445	0.10
445-450	0.30
450-455	0.30
455-460	0.60
460-465	0.20
465-470	Tr
470-475	Tr
475-480	0.30
480-485	Tr
485-490	0.10
490-495	0.30
495-500	0.06
500-505	0.06
505-510	0.06
510-515	0.03
515-520	0.03

Footage	% Cu
520-525	0.03
525-530	0.06
530-535	0.19
535-540	0.06
540-545	0.03
545-550	0.06
550-555	0.06
555-560	0.06
560-565	0.06
565-570	0.06
570-575	0.06
575-580	0.06
580-585	0.06
585-590	0.10
590-595	0.13
595-600	0.06
600-605	0.06
605-610	0.10
610-615	0.06
615-620	0.18
620-625	0.12
625-630	0.12
630-635	0.12
635-640	0.06
640-645	0.12
645-650	0.06
650-655	0.06
655-660	0.12
660-665	0.06
665-670	0.10
670-675	0.06
675-680	0.06
680-685	0.03
685-690	0.06
690-695	0.10
695-700	0.06
700-705	0.06
705-710	0.06
710-715	0.13

DDH A-2 - RARE METALS

Coords 27,716N 13,439E Elevation 4,091.0 Inclination Vert. -20

A S S A Y S

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Tot. Cu.
20-25			0.12
25-30			0.37
30-35			0.63
35-40			0.50
40-45			0.31
45-50			0.25
50-55			0.32
55-60			0.16
60-65			0.22
65-70			0.51
70-75			0.70
75-80			0.54
80-85			0.38
85-90			0.35
90-95			0.38
95-100			0.57
100-105			0.35
105-110			0.48
110-115			0.90
115-120			1.00
120-125			0.64
125-130			0.64
130-135			0.61
135-140			0.70
140-145			0.57
145-150			0.70
150-155			0.76
155-160			0.70
160-165			0.38
165-170			0.35
170-175			0.22
175-180			0.22
180-185			0.35
185-190			0.06
190-195			0.22
195-200			0.25
200-205			0.13
205-210			0.19
210-215			0.10
215-220			0.16
220-225			0.25
225-230			0.13
230-235			0.13
235-240			0.19
240-245			0.19

130' - .53% Cu

13.07 / 24

A S S A Y S

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Tot. Cu.
245-250			0.13
250-255			0.22
255-260			0.16
260-265			0.22
265-270			0.19
270-275			0.10
275-280			0.13
280-285			0.10
285-290			0.19
290-295			0.16
295-300			0.19
300-305			0.16
305-310			0.32
310-315			0.32
315-320			0.16
320-325			0.16
325-330			0.16
330-335			0.16
335-340			0.19
340-345			0.28
345-350			0.22
350-355			0.28
355-360			0.19
360-365			0.13
365-370			0.13
370-375			0.13
375-380			0.06
380-385			0.32
385-390			0.16
390-395			0.13
395-400			0.10
400-405			0.16
405-410			0.35
410-415			0.16
415-420			0.22
420-425			0.22
425-430			0.13
430-435			0.16
435-440			0.10
440-445			0.41
445-450	0.27	0.11	0.35
450-455			0.19
455-460	0.81	0.68	0.83
460-465			0.22
465-470			0.22
470-475			0.48
475-480			0.41
480-485			0.16
485-490	0.09	0.01	0.13
490-495			0.22
495-500			0.22

A S S A Y S

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Tot. Cu.
500-505			0.19
505-510			0.22
510-515			0.35
515-520			0.25
520-525			0.06
525-530			0.16
530-535	0.14	0.02	0.13
535-540	~~0.14~~	~~0.02~~	0.13
540-545			0.16
545-550			0.16
550-555			0.25
555-560			0.28
560-565			0.28
565-570			0.32
570-575			0.06
575-580			0.10
580-585	0.07	0.01	0.13
585-590			0.38
595-600			0.13
590-595			0.13
600-605			0.13
605-610			0.19
610-615			0.03
615-620			0.13
620-625			0.28
625-630			0.16
630-635			0.10
635-640	0.17	0.01	0.45
640-645			0.25
645-650			0.59
650-655			0.28
655-660			0.42?
660-665			0.28?
665-670			0.38
670-675			0.10
675-680			0.28
680-685			0.25
685-690			0.38
690-695			0.35
695-700	0.06	0.02	0.25
700-705			0.13
705-710			0.51
710-715			0.51
715-720			0.22
720-725			0.19
725-730			0.16
730-735			0.28
735-740			0.13
740-745	0.09	0.01	0.22
745-750			0.06
748-757			0.60 (sludge)

DDH A-1 - RARE METALS

Coords 26,017N 13,116E Elevation 4,103.0 Inclination Vert.

A S S A Y S

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Tot. Cu.
33-38	0.31	0.20	0.31
38-43	0.21	0.11	0.13
43-48	0.34	0.20	0.19
48-53	0.36	0.22	0.44
53-58	0.40	0.22	0.32
58-63	0.31	0.14	0.25
63-68	0.55	0.33	0.44
68-73	0.31	0.14	0.51
73-78	0.40	0.17	0.57
78-83	0.33	0.10	0.57
83-88	0.28	0.08	0.13
88-93	0.43	0.23	0.57
93-98	0.40	0.20	0.57
98-103	0.30	0.13	0.44
103-108	0.24	0.08	0.44
108-113	0.20	0.06	0.25
113-118	0.29	0.10	0.37
118-123	0.31	0.13	0.44
123-128	0.48	0.24	0.63
128-133	0.49	0.26	0.70
133-138	0.89	0.71	0.90
138-143	0.73	0.54	0.84
143-148	0.62	0.40	0.72
148-153	0.40	0.15	0.48
153-158	0.38	0.18	0.42
158-163	0.31	0.18	0.30
163-168	0.25	0.12	0.36
168-173	0.36	0.15	0.42
173-178	0.22	0.05	0.19
178-183	0.41	0.22	0.38
183-188	1.00	0.70	0.95
188-190	4.33	2.14	4.20
190-195	2.65	1.93	2.20
195-200	0.81	0.67	0.32
200-205	0.32	0.13	0.25
205-210	0.34	0.19	0.38
210-215	0.21	0.09	0.25
215-220	0.26	0.13	0.25
220-225	0.34	0.23	0.38
225-230	0.59	0.43	0.38
230-235	0.31	0.14	0.32
235-240	0.32	0.12	0.38
240-245	0.23	0.06	0.12
245-250	0.42	0.14	0.38
250-255	0.47	0.32	0.45
255-260	0.18	0.05	0.25
260-265	0.27	0.08	0.25
265-270	0.28	0.11	0.12

ASSAYS

Footage	Hawley & Hawley Tot.Cu.	Hawley & Hawley Ox.Cu.	Ariz. Test. Labs. Tot. Cu.
270-275	0.18	0.07	0.12
275-280	0.22	0.07	0.12
280-285	0.25	0.06	0.12
285-290	0.31	0.13	0.45
290-295	0.21	0.07	0.32
295-300	0.24	0.09	0.25
300-305	0.39	0.13	0.38
305-310	0.21	0.09	0.38
310-315	0.19	0.07	0.19
315-320	0.53	0.36	0.64
320-325	0.46	0.24	0.45
325-330	0.73	0.40	0.64
330-335	0.35	0.16	0.32
335-340	0.54	0.36	0.52
340-345	0.65	0.15	0.57
345-350	0.76	0.51	0.83
350-355	0.86	0.67	0.83
355-360	0.77	0.31	0.89
360-365	0.26	0.09	0.32
365-370	1.18	0.49	1.02
370-375			0.32
375-380			0.32
380-385			0.25
385-390			0.32
390-395			0.32
395-400			0.32
400-405			0.38
405-410			0.44
410-415			0.44
415-420			0.38
420-425			0.25
425-430			0.52
430-435			0.98
435-440			0.38
440-445	0.61	Tr	0.38
445-450	0.99	0.03	1.08
450-455	0.28	-	0.32
455-460	0.29	0.03	0.32
460-465	0.11	0.01	0.19
465-470	0.29	-	0.25
470-475	0.14	-	0.25
475-480	0.11	-	0.38
480-485	0.16	-	0.32
485-490	0.10	-	0.19
490-495	0.16	0.01	0.12
495-500	0.22	0.01	0.38
500-505	0.36	0.01	0.25
505-510	0.55	0.07	0.38
510-515	0.71	0.03	0.90
515-520	0.31	-	0.32
520-525	0.34	Tr	0.12
525-530	1.20	0.06	1.20
530-535	0.14	Tr	0.06
535-540	0.11	-	0.06

ASSAYS

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Tot. Cu.
540-545	0.06	Tr	0.06
545-550	0.08	-	0.06
550-555	0.08	-	0.19
555-560	0.03	-	0.06
560-565	0.11	0.03	0.12
565-570	0.08	-	0.13
570-575	0.12	Tr	0.12
575-580	0.08	-	0.06
580-585	0.10	-	0.06
585-590	0.10	Tr	0.12
590-595	0.10	-	0.06
595-600	0.12	-	0.10
600-605	0.09	-	0.06
605-610	0.14	-	0.10
610-615	0.09	-	0.12
615-620	0.07	-	0.12
620-625	0.10	-	0.06
625-630	0.10	-	0.10
630-635	0.08	-	0.32
635-640	0.07	-	0.06
640-645	0.07	-	0.12
645-650	0.06	-	0.03
650-655	0.08	-	0.19
655-660	0.03	-	0.03
660-665	0.06	-	0.06
665-670	0.06	-	0.03
670-675	0.06	-	0.06
675-680	0.09	-	0.06
680-685	0.04	-	0.03
685-690	0.09	-	0.06
690-695	0.05	-	0.03
695-700	0.05	-	0.06
700-705	0.04	-	0.03
705-710	0.04	-	0.03
710-715	0.06	-	0.03
715-720	0.06	-	0.03
720-725	0.04	-	0.03
725-730	0.04	-	0.03
730-735	0.07	-	0.03
735-740	0.05	Tr	0.06
740-745	0.06	Tr	0.03
745-750	0.06	-	0.03
750-755	0.06	-	0.03
755-760	0.09	-	0.06
760-765	0.09	-	0.06
765-770	0.10	-	0.10
770-775	0.06	-	0.03
775-780	0.03	Tr	0.03
780-781	0.06	-	0.01

DDH A-5 - RARE METALS (SAN JUAN)

(Arizona Testing Lab. Assays)

Footage	% Cu	Sludge		Footage	% Cu	Sludge	
10-15	0.18	00-10	0.24	250-255	0.13		
15-20	0.18	10-20	0.18	255-260	0.10		
20-25	0.18	20-25	0.12	260-265	0.16	261-271	0.16
25-30	0.24	25-30	0.16	265-270	0.10		
30-35	0.12	30-40	0.10	270-275	0.03		
35-40	0.18	40-50	0.13	275-280	0.06		
40-45	0.12	50-55	0.13	280-285	0.03		
45-50	0.18			285-290	0.06		
50-55	0.06	55-65	0.19	290-295	0.06		
55-60	0.19			295-300	0.03		
60-65	0.22	68-75	0.19	300-305	0.06		
65-70	0.22	75-80	0.16	305-310	0.10		
70-75	0.25	80-85	0.16	310-315	0.10		
75-80	0.13	85-90	0.16	315-320	0.06		
80-85	0.16			320-325	0.06		
85-90	0.10			325-330	0.19		
90-95	0.10			330-335	0.10		
95-100	0.13			335-340	0.10		
100-105	0.16			340-345	0.13		
105-110	0.13			345-350	0.10		
110-115	0.13			350-355	0.16	351-358	0.16
115-120	0.16			355-360	0.16		
120-125	0.22	122-130	0.16	360-365	0.13	358-371	0.16
125-130	0.13			365-370	0.10		
130-135	0.13			370-375	0.10	371-381	0.13
135-140	0.13			375-380	0.13		
140-145	0.13			380-385	0.13		
145-150	0.22	146-152	0.10	385-390	0.06		
150-155	0.16	152-160	0.13	390-395	0.10		
155-160	0.13			395-400	0.10		
160-165	0.19	164-172	0.25	400-405	0.10		
165-170	0.16			405-410	0.13		
170-175	0.16			410-415	0.06		
175-180	0.10			415-420	0.16		
180-185	0.13			420-425	0.10		
185-190	0.10	191-198	0.32	425-430	0.06		
190-195	0.64			430-435	0.10		
195-200	0.19			435-440	0.19	437-446	0.13
200-205	0.29	202-207	0.35	440-445	0.28		
205-210	0.57	207-217	0.38	445-450	0.25	456-470	0.19
210-215	0.96	217-225	0.29	450-455	0.29		
215-220	0.25	212-220	0.25	455-460	0.10		
220-225	0.10			460-465	0.25		
225-230	0.61			465-470	0.10		
230-235	0.16			470-475	0.19		
235-240	0.76			475-480	0.10		
240-245	0.29			480-485	0.13	480-481	0.22
245-250	0.22			485-490	0.10		
				490-495	0.10	491-496	0.19
				495-500	0.16	496-511	0.16
				500-505	0.16		
				505-510	0.13		
				510-515	0.13	511-521	0.16
				515-520	0.13		
				520-525	0.13	521-531	0.13
				525-530	0.10		

	Gold		Silver	
	oz/T	Value	Oz/T	Value
185-190	Tr	$	0.20	$0.18
225-230	0.01	0.35	0.30	0.27
245-250	0.01	0.35	0.20	0.18
265-270	Tr	-	0.20	0.18
275-280	Tr	-	0.20	0.18
305-310	Tr	-	0.30	0.27
365-370	0.01	0.35	0.40	0.36

DDH A-4 - RARE METALS (SAN JUAN)
(Arizona Testing Lab. Assays)

Footage		% Cu
	30-35	0.16
	35-40	0.29
	40-45	0.29
	45-50	0.13
	50-55	0.38
	55-60	0.35
	60-70	0.19
	60-70 sludge	0.50
	70-75 core	0.40
	75-80	1.50
	80-85	0.65
	85-90	0.85
	90-95	0.75
	95-100	0.80
sludge	100-105	0.85
109-119	105-110	0.50
0.25	110-115	0.10
129-138	115-120	0.38
0.64	120-125	0.25
	125-130	0.79
	130-135	0.28
	135-140	0.89
	140-145	0.28
	145-150	0.38
	150-155	0.38
	155-160	0.57
	160-165	0.44
172-179	165-170	1.07
0.10	170-175	0.16
179-186	175-180	0.64
0.13	180-185	0.28
186-196	185-190	0.22
0.16	190-195	0.54
	195-200	0.25
	200-205	0.38
	205-210	0.42
	210-215	0.36
	215-220	0.24
	220-225	0.42
	225-230	0.24
	230-235	0.18
	235-240	0.18
	240-245	0.24
	245-250	0.36
	250-255	0.28
	255-260	0.06
	260-265	0.32
	265-270	0.32
	270-275	0.41
	275-280	0.16
	280-285	0.32
	285-290	0.28
	290-295	0.25
	295-300	0.10
	300-305	0.19
	305-310	0.18
	310-315	0.12
	315-320	0.12
	320-325	0.30
	325-330	0.48
	330-335	0.30
	335-340	0.18
	340-345	0.12
	345-350	0.30
	350-355	0.18
	355-360	0.30
	360-365	0.30
	365-370	0.42
	370-375	0.24
	375-380	0.18
	380-385	0.36
	385-390	0.24
	390-395	0.12
	395-400	0.30
	400-405	0.24
	405-410	0.12
	410-415	0.48
	415-420	0.06
	420-425	0.30
	425-430	0.12
	430-435	0.18
	435-440	0.03
	440-445	0.10
	445-450	0.16
	450-455	0.16
	455-460	0.12
	460-465	0.06
	465-470	0.06
	470-475	0.10
	475-480	0.19
	480-485	0.19
	485-490	0.12
	490-495	0.06
	495-499	0.10

sludge	
445-454	0.10

DDH V-1 - RARE METALS (SAN JUAN)
(Arizona Testing Lab. Assays)

Footage	% Cu		Footage	% Cu
10-20	0.13		265-270	0.38
20-25	0.32		270-275	0.06
25-30	0.13	35'	275-280	0.13
30-35	0.20	0.22	280-285	0.19
35-40	0.25		285-290	0.12
40-45	0.32		(290-295	0.25
45-50	0.10		(290-295	0.12
50-55	0.25		295-300	0.06
55-60	0.50	20'	300-310	0.06
60-65	0.51	0.51	310-315	0.03
65-70	0.51		315-320	0.06
70-75	0.45		320-325	0.12
75-80	0.19	10'	325-330	0.03
80-85	0.13	0.16	330-335	0.06
85-90	0.45		335-340	0.12
90-95	0.38	30'	340-345	0.19
95-100	0.32	0.35	345-350	0.12
100-105	0.25		350-355	0.06
105-110	0.38		355-360	0.12
110-115	0.32		360-365	0.25
115-120	0.25	20'	365-370	0.06
120-125	0.25	0.28	370-375	0.03
125-130	0.32		375-380	0.10
130-135	0.32		380-385	0.06
135-140	0.19		385-390	0.01
140-145	0.06		390-395	0.06
145-150	0.06		395-400	0.12
150-155	0.10		400-405	Nil
155-160	0.12		405-410	Nil
160-165	0.38		410-415	Nil
165-170	0.25		415-420	Nil
170-175	0.44		420-425	0.12
175-180	0.12		425-430	0.03
180-185	0.19		430-435	0.03
185-190	0.25		435-440	0.03
190-195	0.19		440-445	0.03
195-200	0.06		445-450	0.03
200-205	0.12		450-455	0.03
205-210	0.25		455-460	0.03
210-215	0.12		460-465	0.06
215-220	0.06		465-470	0.06
220-225	0.12		470-475	0.06
225-230	0.03		475-480	0.06
230-235	0.06		480-485	0.12
235-240	0.10		485-490	0.06
240-245	0.06		490-495	0.12
245-250	0.06		495-500	0.12
250-255	0.19		500-505	0.06
255-260	0.06		505-510	0.06
260-265	0.51		510-515	0.01

Footage	% Cu
515-520	0.03
520-525	0.03
525-530	0.03
530-535	0.06
535-540	0.06
540-545	0.19
545-550	0.06
550-555	0.12
555-560	0.03
560-565	0.19
565-570	0.06
570-575	0.06
575-580	0.06
580-585	0.16
585-590	0.03
590-595	0.06
595-600	0.06
600-605	0.03
605-610	0.06
610-615	0.10
615-620	0.10
620-625	0.10
625-630	0.06
630-635	0.06
635-640	0.06
640-645	0.06
645-650	0.06
650-655	0.10
655-660	0.06
660-665	0.06
665-670	0.03
670-675	0.06
680-685	0.06
685-690	0.06
690-695	0.03
695-700	0.03
700-705	0.06
705-710	0.12
710-715	0.06
715-720	0.06
720-725	0.06
725-730	0.03
730-735	0.06
735-740	0.06
740-745	0.16
750-755	0.06
755-760	0.06
760-765	0.10
765-770	0.06
770-775	0.06
775-780	0.06
780-785	0.06
785-790	0.06
790-795	0.10
795-800	0.06
800-805	0.06
805-810	0.06
810-815	0.06
815-820	0.06
820-825	0.06
825-830	0.10
830-835	0.06
835-840	0.06
840-845	0.06
845-850	0.10
855-860	0.06
850-855	0.03
860-865	0.03
865-870	0.06
870-875	0.06
875-880	0.22
880-885	0.12
885-890	0.06
890-895	0.03
895-900	0.12
900-905	0.06
905-910	0.10
910-915	0.10
915-920	0.06
920-925	0.10
925-930	0.12
930-935	0.39
935-940	0.06
940-945	0.10
945-950	0.10
950-955	0.10
955-960	0.10
960-967	0.13
967-970	0.03
970-975	0.10
975-980	0.06
980-985	0.06
985-990	0.03
990-995	0.03
995-1000	0.06

DDH V-3 - RARE METALS (SAN JUAN)
(Arizona Testing Lab. Assays)

Footage	% Cu	Footage	% Cu
35-55	0.22	300-305	0.83
55-60	0.16	305-310	0.22
60-65	0.23	310-315	0.10
65-70	0.16	315-320	0.16
70-75	0.32	320-325	0.22)
75-80	0.19		0.19)
80-85	0.10	325-330	(0.16
85-90	0.10		(0.19
90-95	0.13	330-335	0.51)
95-100	0.13		0.19)
100-105	0.26	335-340	0.41
105-110	0.10	340-345	0.22
110-115	0.10	345-350	0.13
115-120	0.10	350-355	0.38
120-125	0.10	355-260	0.25
125-130	0.06	360-365	0.13
130-135	0.19	365-370	0.06
135-140	0.10	370-375	0.45
140-145	0.10	375-380	0.35
145-150	0.10	380-385	0.19
150-155	0.06	385-390	0.16
155-160	0.03	390-395	0.19
160-165	0.06	395-400	0.16
165-170	0.10	400-405	0.35
170-175	0.13	405-410	0.22
175-180	0.19	410-415	0.13
180-185	0.22	415-420	0.32
185-190	0.16	420-425	0.16
190-195	0.10	425-430	0.22
195-200	0.32	430-435	0.32
200-205	0.16	435-440	0.25
205-210	0.19	440-445	0.10
210-215	0.06	445-450	0.16
215-220	0.12	450-455	0.25
220-225	0.19	455-460	0.19
225-230	0.10	460-465	0.19
230-235	0.06	465-470	0.12
235-240	0.19	470-475	0.31
240-245	0.06	475-480	0.38
245-250	0.16	480-485	0.06
250-255	0.32	485-490	0.06
255-260	0.16	490-495	0.10
260-265	0.10	495-500	0.10
265-270	0.19	500-505	0.10
270-275	0.19	505-510	0.10
275-280	0.10	510-515	0.22
280-285	0.19	515-520	0.25
285-290	0.13	520-525	0.57
290-295	0.25	525-530	0.35
295-300	0.13	530-535	0.06

Footage	% Cu
535-540	0.19
540-545	0.19
545-550	0.25
550-555	0.37
555-560	0.48
560-565	0.19
565-570	0.25
570-575	0.25
575-580	0.13
580-585	0.25
585-590	0.10
590-595	0.19
595-600	0.06
600-605	0.16
605-610	0.32
610-615	0.19
615-620	0.19
620-625	0.16
625-630	0.25
630-635	0.19
635-640	0.25
640-645	0.22
645-650	0.22
650-655	0.32
655-660	0.06
660-665	0.13
665-670	0.16
670-675	0.32
675-680	0.38
680-685	0.25
685-690	0.13
690-695	0.13
695-700	0.19
700-705	0.19
705-710	0.22
710-715	0.13
715-720	0.16
720-725	0.25
725-730	0.10
730-735	0.19
735-740	0.25
740-745	0.16
745-750	0.25
750-755	0.16
755-760	0.38
760-765	0.13
765-770	0.19
770-775	0.32
775-780	0.25
780-785	0.22
785-790	0.32
790-795	0.51
795-800	0.35
800-805	0.25
805-810	0.35
810-815	0.32
815-820	0.51
820-825	0.54
825-830	0.35
830-835	0.64
835-836	0.16

DDH V-4 - RARE METALS

Coords 26,567N 14,119E Elevation 4,165.0 Inclination Vert.

A S S A Y S

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Tot. Cu.	
10-20	0.39	0.30	0.32	
20-30	0.35	0.14	0.29	
30-40	0.25	0.10	0.13	
40-45	0.29	0.14	0.16	
45-50	0.43	0.33	0.13	
50-55	0.50	0.31	0.10	
55-60	0.50	0.35	0.25	
60-65	0.51	0.36	0.22	
65-70	0.53	0.42	0.57	
70-75	0.52	0.39	0.13	
75-80	0.39	0.19	0.25	
80-85	0.54	0.39	0.35	
85-90			0.13	
90-95	0.32	0.14	0.19	
95-100	0.31	0.14	0.13	
100-105	0.22	0.08	0.19	
105-110	0.20	0.10	0.06	
110-115	0.19	0.06	0.06	
115-120	0.16	0.07	0.06	
120-125	0.29	0.07	0.10	
125-130	0.29	0.10	0.16	
130-135	0.30	0.10	0.22	
135-140	0.34	0.10	0.13	
140-145	0.65	0.26	0.38	
145-150	0.36	0.09	0.16	
150-155	0.22	0.06	0.16	
155-160	0.34	0.18	0.10	
160-165	0.42	0.31	0.22	
165-170			0.06	
170-175	0.33	0.11	0.19	
175-180	0.36	0.10	0.38	
180-185	0.21	0.06	0.36	
185-190	0.34	0.13	0.13	
190-195	0.28	0.09	0.13	
195-200	0.27	0.15	0.10	
200-205	0.37	0.16	0.19	
205-210	0.28	0.13	0.16	
210-215	0.34	0.18	0.10	
215-220	0.27	0.16	0.13	
220-225	0.31	0.17	0.13	
225-230	0.42	0.30	0.38	
230-235			0.39	
235-240	0.44	0.23	0.22	
240-245	0.41	0.40	0.25	
245-250	0.46	0.20	0.16	(0.60)
250-255	0.41	0.05	0.70	

A S S A Y S

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Tot. Cu.	
255-260	0.35	0.16	0.22	
260-265	0.57	0.39	0.25	
265-270	0.28	0.13	0.25	
270-275	0.32	0.16	0.18	
275-280	0.22	0.07	0.16	
280-285	0.27	0.12	0.16	
285-290	0.25	0.12	0.16	
290-295	0.31	0.16	0.25	
295-300	0.38	0.16	0.16	
300-305	0.55	0.42	0.25	
305-310	0.35	0.18	0.22	
310-315	0.44	0.20	0.19	
315-320	0.46	0.31	0.32	
320-325	0.16	0.09	0.28	
325-330	0.16	0.09	0.19	
330-335	0.09	0.03	0.10	
335-340	0.13	0.04	0.10	
340-345	0.14	0.04	0.19	
345-350	0.36	0.13	0.32	
350-355	0.56	0.40	0.45	
355-360	0.27	0.12	0.22	
360-365	0.31	0.15	0.19	
365-370	0.30	0.29	0.25	
370-375	0.48	0.38	0.45	
375-380	0.24	0.12	0.16	
380-385	0.35	0.20	0.41	
385-390	0.36	0.23	0.41	
390-395	0.36	0.22	0.29	
395-400	0.29	0.18	0.19	(0.30)
400-405	0.19	0.12	0.19	
405-410	0.20	0.10	0.28	
410-415	0.28	0.18	0.42	
415-420	0.32	0.15	0.58	
420-425	0.44	0.26	0.22	
425-430	0.46	0.29	0.58	
430-435	0.25	0.12	0.42	
435-440	0.27	0.11	0.22	
440-445	0.27	0.10	0.22	
445-450	0.46	0.26	0.32	
450-455			0.70	
455-460	0.54	0.35	0.64	
460-465	0.56	0.27	0.51	(0.80)
465-470	0.29	0.14	0.41	
470-475	0.28	0.15	0.45	
475-480	0.27	0.14	0.29	
480-485	0.26	0.10	0.25	
485-490	0.24	0.08	0.16	
490-495	0.24	0.10	0.35	
495-500	0.34	0.17	0.35	
500-505	0.64	0.47	0.22	
505-510	0.35	0.16	0.48	
510-515	0.35	0.14	0.45	

A S S A Y S

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Tot. Cu.
515-520	0.33	0.14	0.42
520-525	0.22	0.08	0.38
525-530	0.42	0.26	0.69
530-535	0.31	0.18	0.42
535-540	0.32	0.17	0.31
540-545	0.33	0.19	0.48
545-550	0.43	0.31	0.81
550-555	0.37	0.26	0.37
555-560			0.58
560-565			0.51
565-570	0.42	0.25	0.76
570-575	0.49	0.31	0.22
575-580	0.30	0.19	0.38
580-585	0.32	0.18	0.19
585-590	0.34	0.17	0.28
590-595	0.27	0.09	0.38
595-600	0.22	0.10	0.35
600-605	0.36	0.21	0.35
605-610	0.31	0.17	0.42
610-615	0.23	0.11	0.42
615-620	0.26	0.11	0.38
620-625	0.24	0.14	0.38
625-630	0.27	0.14	0.54
630-635	0.27	0.13	0.38
635-640	0.16	0.02	0.19
640-645		0.	0.57
645-650	0.22	0.09	0.32
650-655	0.16	0.03	0.22
655-660	0.17	0.03	0.22
660-665	0.17	Tr	0.38
670-675	0.22	0.06	0.35
675-680	0.21	0.06	0.51
680-685	0.22	0.10	0.16
685-690	0.24	0.15	0.42
690-695	0.24	0.12	0.35
695-700	0.19	0.07	0.13
700-705	0.20	0.09	0.35
705-710	0.18	0.08	0.32
710-715	0.42	0.25	0.41
715-720	0.17	0.05	0.25
720-725	0.22	0.08	0.22
725-730	0.19	0.07	0.25
730-735	0.19	0.08	0.35
735-740			0.06
740-745	0.19	0.11	0.22
745-750	0.15	0.07	0.16
750-755	0.19	0.07	0.40
755-760	0.26	0.13	0.22
760-765	0.27	0.12	0.35
765-770	0.16	0.06	0.38
770-775	0.17	0.07	0.29
775-780	0.15	0.03	0.13

A S S A Y S

Footage	Hawley & Hawley tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Tot. Cu.	
780-785	0.24	0.12	0.42	
785-790	0.27	0.16	0.35	
790-795	0.38	0.16	0.22	
795-800	0.33	0.20	0.38	
800-805	0.33	0.03	0.48	
805-810	0.31	0.13	0.38	
810-815			0.35	
815-820	0.29	0.12	0.42	
820-825	0.20	0.05	0.19	
825-830	0.20	0.	0.51	
830-835	0.24	0.03	0.38	
835-840	0.24		0.32	
840-845	0.43		0.28	(0.48)
845-850	0.44	0.09	0.48	
850-855	0.17	0.08	0.19	
855-860	0.15	0.03	0.19	
860-865	0.13	Ø Tr	0.19	
865-870	0.29	0.07	0.88	
870-875	0.24	Tr	0.45	
875-880	0.32	0.03	0.13	
880-885			0.45	
885-890			0.35	
890-895	0.21	0.04	0.42	
895-900	0.34	0.05	0.45	
900-905	0.27	0.06	0.57	
905-910	0.24	0.09	0.25	
910-915	0.25		0.38	
915-920	0.25	0.09	0.38	
920-925	0.43		0.41	
925-930	0.61	0.07	0.64	
930-935	0.28	0.03	0.61	
935-940	0.48	0.03	0.77	
940-945	0.58		0.29	(0.79)
945-950	0.69	Tr	0.80	
950-955	0.31	Tr	0.41	
955-960	0.15	Tr	0.45	
960-965	0.14	Tr	0.35	
965-970	0.17	Tr	0.41	
970-975			0.16	
975-980	0.19	Tr	0.13	
980-985	0.17	0.01	0.32	
985-990	0.21	0.03	0.54	
990-995	0.34	0.06	0.22	
995-1000	0.24	0.04	0.25	
1000-1005	0.26	Tr	0.25	
1005-1010	0.32	0.01	0.22	
1010-1015			0.19	

DDH V-5 - RARE METALS

Coords 26,087N 12,752E Elevation 4,124.0 Inclination Vert.

	ASSAYS		
	Hawley & Hawley		Ariz. Test. Labs.
Footage	Tot. Cu.	Ox. Cu.	Tot. Cu.
20-30	0.14	0.04 sludge	0.25
30-40	0.15	0.05 "	0.22
40-45	0.24	0.06	~~0.43~~ 0.13
45-50	0.28	0.05	0.51
50-55	0.26	0.10	~~0.88~~ 0.38
55-60			0.25
60-65	0.20	0.07	0.25
65-70	0.26	0.10	0.67
70-75	0.20	0.05	0.35
75-80	0.46		0.33
80-85	0.30		0.51
85-90	0.41		0.25
90-95	0.58		0.61
95-100	0.32		0.48
100-105	0.38		0.51
105-110	0.16		0.45
110-115	0.49		0.30 (0.23)
115-120	0.44		1.08
120-125	0.34		0.19
125-130	0.30		0.42
130-135	0.23		0.35
135-140			0.28
140-145	0.24		0.70
145-150	0.12		0.13
150-155	0.23		0.38
155-160	0.19		0.22
160-165	0.44		0.57
165-170	0.41		0.51
170-175	0.30		0.51
175-180	0.29		0.19
180-185	0.31		0.38
185-190	0.28		0.41
190-195	0.26		0.22
195-200	0.52		0.95
200-205	0.87		1.15
205-210	0.23		0.85
210-215	0.38		0.41
215-220	0.31		0.16
220-225	0.62		0.38
225-230	0.26		0.16
230-235)	0.22) .27		0.65
230-235)	0.33)		
235-240	0.24		0.41
240-245	0.41		0.22
245-250	0.40		0.32
250-255			0.60

A S S A Y S

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Total. Cu.
255-260	0.29		0.25
260-265	0.28		0.16
265-270	0.43	0.34	0.54
270-275	0.41		0.38
275-280	0.27		0.44
280-285	0.23		0.41
285-290	0.27		0.32
290-295	0.19	~~0.32~~	0.32
295-300	0.19		0.28
300-305	0.16		0.38
305-310	0.14		0.38
310-315	0.25	0.17	0.32
315-320	0.20		0.19
320-325	0.20		0.16
325-330	0.13	< 0.10	0.28 < 0.25
330-335			
335-340	0.46		0.77
340-345			0.16 (0.70)
345-350	0.37		0.38
350-355	0.12		0.10
355-360	0.16		0.10
360-365	0.16		0.28
365-370	0.17		0.13
370-375	0.52		1.27
375-380	0.26		0.18
380-385	0.41	0.38	0.25
380-385-A	0.35		
385-390	0.15		0.38
390-395	0.16		0.25
395-400	0.19		0.13
400-405	0.19		0.16
405-410	0.19		0.28
410-415	0.14		0.16
415-420	0.18		0.19
420-425	0.14		0.22
425-430	0.21		0.38
430-435	0.34		0.22
435-440	0.26		0.35
440-445			0.16
445-450	0.31		0.29
450-455	0.31		0.54
455-460	0.23		0.25
460-465	0.29		0.32
465-470	0.27		0.25
470-475	0.26		0.42
475-480	0.32		0.19
480-485	0.24		0.22
485-490	0.27		0.30
490-495	0.27		0.45
495-500	0.37		0.30
500-505	0.40		0.54
505-510	0.20		0.29

A S S A Y S

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Tot. Cu.	
510-515	0.23		0.29	
515-520	0.21		0.54	
520-525	0.53		0.77	
525-530	0.76		0.96	
530-535	0.29		0.38	
535-540	0.36		0.19	
540-545			0.35	
545-550	0.22		0.48	
550-555	0.44		0.73	
555-560	0.47		0.13	
560-565	0.14		0.38	
565-570	0.17		0.32	
570-575	0.22		0.29	
575-580	0.15		0.16	
580-585			0.35	
585-590	0.39		0.38	
590-595	0.51		0.19	
595-600	0.50		0.47	
600-605	0.47	0.01	0.32	
605-610	0.45		0.47	
610-615	0.34		0.38	
615-620	0.39		0.32	
620-625	0.34		0.22	
625-630	0.42		0.38	
630-635	0.56		0.19	
635-640	0.77		0.85	
640-645	0.81		0.58	
645-650	0.56		0.35	
650-655	0.44		1.30	
655-660	0.55		0.75	
660-665			0.51	
665-670	0.39		0.57	
670-675	0.32		0.16	
675-680	0.50		0.53	
680-685	0.32	0.01	0.25	
685-690	0.21		0.28	
690-695	0.65		0.47	
695-700	0.88		0.85	(1.95)
700-705	0.78		0.70	
705-710	0.43		0.45	
710-715	0.88		0.90	
715-720	0.46		0.60	
720-725	0.48		0.60	
725-730	0.17		0.20	
730-735			0.25	
735-740			0.35	
740-745	0.27		0.20	
745-750	0.22		0.25	(0.90)
750-755			1.05	
755-760	0.69		0.70	
760-765	0.28		0.48	
765-770	0.43		0.64	

A S S A Y S

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Tot. Cu.	
770-775	0.33		0.22	
775-780	0.31		0.25	
780-785	0.33		0.28	
785-790	0.14		0.32	
790-795	0.18		0.25	
795-800	0.19		0.13	
800-805	0.18		0.16	
805-810	0.23	-	0.22	
810-815	0.35		0.32	
815-820	0.32		0.22	
820-825	0.38		0.35	
825-830	0.34		0.25	
830-835	0.27		0.25	
835-840			0.66	
840-845	0.35		0.10	
845-850	0.26		0.10	(0.90)
850-855	0.26		1.15	
855-860	0.36		0.98	
860-865	0.38		0.64	
865-870	0.35		0.19	
870-875	0.23		0.25	
875-880	0.24		0.16	
880-885	0.28		0.13	
885-890	0.32		0.42	
890-895	0.37		0.32	
895-900	0.37		0.16	
900-905	0.37		0.48	
905-910	0.45		0.19	
910-915	0.32		0.16	
915-920	0.44		0.29	
920-925	0.49		0.16	
925-930	0.33		0.16	
930-935			0.19	
935-940	0.41		0.19	
940-945	0.63		0.16	
945-950	0.56		0.22	
950-955	0.56	0.04	0.32	
955-960	0.47	0.05	0.38	
960-965	0.34	0.04	0.22	
965-970	0.29	0.04	0.19	
970-975	0.33	0.05	0.13	
975-980	0.27	0.04	0.06	
980-985	0.25	0.04	0.19	
985-990	0.20	0.03	0.13	(0.70)
990-1000	0.37	0.07	0.76	

DDH V-6 - RARE METALS

Coords. 26,976N 14,210E Elevation 4,215.0 Inclination Vert.

ASSAYS

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Tot. Cu.
10-20			0.13
20-30	0.13	sludge	0.38
30-40	0.37		0.57
40-50	0.07	sludge	0.19
50-60	0.07	sludge	0.10
60-69	0.20	sludge	0.32
69-76	0.30		0.45
76-80	0.49	sludge	0.67
80-85	0.46	sludge	0.51
85-90			
90-95	0.22	sludge	0.51
95-105)	0.39)		0.44)
95-105)	0.26)		0.22)
105-110	0.34	0.	0.25
110-115	0.32		0.35
115-120	0.15		0.22
120-125	0.14		0.42
125-130	0.26		0.39
130-135	0.29	0.21	0.16
135-140	0.21		0.22
140-145	0.35		0.48
145-150	0.17		0.19 (0.69)
150-155	0.42		0.70
155-160	0.44		0.64
160-165	0.50		0.32
165-170	0.43		0.52
170-175	0.33		0.22
175-180	0.28	0.17	0.25
180-185	0.18		0.22
185-190	0.33	0.	0.25
190-195	0.52		0.96
195-200	0.31		0.25
200-205	0.21		0.22
205-210	0.17		0.22
210-215	0.26	0.13	0.25
215-220	1.02		1.55
220-225	0.45		0.38
225-230	0.37		0.57
230-235	0.49		0.22
235-240	0.53		0.41
240-245	0.37		0.22
245-250	0.33		0.16
250-255	0.31	0.19	0.16
255-260	0.44		0.16
260-265	0.33		0.32
265-270	0.23		0.32
270-275	0.14		0.22
275-280	0.20		0.25

A S S A Y S

Footage	Hawley & Hawley Tot.Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs Tot. Cu.
280-285	0.35		0.45
285-290	0.40		0.54
290-295	0.22		0.29
295-300	0.27		0.19
300-305	0.43		0.22
305-310	0.53		0.25
310-315	0.41		0.35
315-320	0.52		0.22
320-325	0.41		0.47
325-330	0.53		0.38
330-335	0.38		0.25
335-340	0.46		0.25
340-345	0.33		0.32
345-350	0.31		0.22
350-355	0.28		0.20
355-360	0.27	~~0.25~~	0.25
360-365	0.25		0.40
365-370	0.38		0.40
370-375	0.28		0.30
375-380	0.45		0.50
380-385	0.38		0.65
385-390	0.31		0.35
390-395	0.25	0.06	0.30
395-400	0.11		0.25
400-405	0.47		0.19
405-410	0.21		0.10
410-415	0.28		0.16
415-420	0.35	~~0.38~~	0.38
420-425	0.17		0.13
425-430	0.14		0.25
430-435	0.16		0.25
435-440	0.25		0.32
440-445	0.31	0.	0.16
445-450	0.41	-	0.44
450-455			0.16
455-460			0.19
460-465			0.35
465-470			0.45
470-475			0.32
475-480			0.51
480-485			0.25
485-490			0.42
490-495			0.19
495-500			0.32
500-505			0.35
505-510			0.16
510-515			0.32
515-520			0.29
520-525			0.35
525-530			0.42

DDH V-6 (Pg. #3)

A S S A Y S

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Total Cu.
530-535			0.32
535-540			0.22
540-545			0.57
545-550			0.16
550-555			0.35
555-560	0.18		0.13
560-656	0.22		0.25
565-570	0.38		0.19
570-575	0.23		0.32
575-580	0.24		0.10
580-585	0.15	0.01	0.25
585-590	0.20		0.32
590-595	0.25		0.29
595-600	0.26		0.42
600-605	0.53		0.35
605-610	0.57	~~0.78~~	0.78
610-615	0.52		0.48
615-620	0.21		0.19
620-625	0.41		0.54
625-630	0.40		0.25
630-635	0.31		0.25
635-640	~~0~~.43		0.45
640-645	0.39		0.57
645-650	0.18		0.32
650-655	0.32		0.32
655-660	0.57		0.67
660-665	0.31		0.16
665-670	0.36		0.67
670-675	0.20		0.13
675-680	0.20	-	0.16
680-685	0.27		0.13
685-690	0.68		0.41
690-695	0.31		0.25
695-700	0.59		0.67
700-705	0.47		0.13
705-710	0.40		0.32
710-715	0.41		0.48
715-720	0.56		0.83
720-725	0.30		0.16
725-730	0.23		0.19
730-735	0.35		0.16
735-740	0.41		0.25
740-745	0.43		0.48
745-750	0.47		0.70
750-755	0.36	0.03	0.13
755-760	0.39		0.38
760-765	0.41		0.16
765-770	0.36		0.25
770-775	0.44		0.35
775-780	0.33		0.48
780-785	0.36		0.36
785-790	0.18		0.30
790-795	0.41		0.30
795-800	0.60		0.36
800-805	~~0.60~~ 0.34		~~0.36~~ 0.42

A S S A Y S

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Tot. Cu.
805-810	0.44		0.30
810-815	0.36		0.24
815-820	0.22		0.36
820-825	0.28		0.30
825-830	0.32		0.06
830-835	0.19		0.12
835-840	0.17		0.12
840-845	0.15		0.12
845-850	0.17	0.01	0.18
850-855	0.11		0.24
855-860	0.20		0.24
860-865	0.22		0.30
865-870	0.22		0.36
870-875	0.45		0.24
875-880	0.35		0.24
880-885	0.16		0.39
885-890	0.46		0.48
890-895	0.28		0.06
895-900	0.28		0.13
900-905	0.20		0.25
905-910	0.16		0.24
908-920	0.14		0.03
920-925	0.28		0.30
925-930	0.33		0.24
930-935	0.20		0.18
935-940	0.31		0.30
940-945	0.36		0.36
945-950	0.23	-	0.24
950-955	0.41		0.48
955-960	0.18		0.06
960-965	0.20		0.18
965-970	0.25		0.24
970-975	0.27		0.18
975-980	0.19		0.24
980-989)			0.22
985-990)	0.34	0.03	0.38
990-995	0.15	0.03	~~0.32~~ 0.19
995-1000	0.24	0.02	~~0.38~~ 0.32
1000-1005	0.36	0.02	0.38
1005-1010	0.67	0.04	0.76
1010-1015	0.36	0.03	0.42
1015-1020	0.37	0.04	0.30
1020-1025	0.23	0.03	0.36
1025-1030	0.24	-	0.24
1030-1033	0.42	0.03	0.48

DDH RV——6 - SAN JUAN (RARE METALS)

Split twice

Condensed Log RR 4/26/61

Footage		% Cu	Sulfides	Oxides
0-95	No Core			
95-107	QMP, alt. kaol + sil	.3	Ccp, Bn, Py	Li on fracs
107-117	And, sil & carb. veinlets	.3	Ccp, Bn, Py	Ccp & Bn boxworks
117-177	" " "	.1	? ? ?	Cons. Li + Cu
177-235	" " "	.2	? ? ?	Cons. Li + Cu
235-309	" sil. veinlets	.2	Ccp, Bn, Py	Lt. Li + Cu
309-339	" " "	.2	- - -	Cons. Li + Cu
339-409	" " "	.2	Ccp, Bn, Py	Lt. Li + Cu
409-460	" " "	.3	" " "	
460-470	" " (Bn) "	.4	" " "	
470-498	" " "	.3	" " "	Tr Li
498-537	" " "	.2	" " "	
537-547	" " "	.3	" " "	
547-567	" " "	.2	" " "	
567-602	" " "	.3	" " "	
602-641	" " "	.5	" " "	
641-651	" " "	.6	" " "	
651-712	" " "	.4	" " "	
712-748	" " "	.3	" " "	
748-758	" " "	.5	" " "	
758-768	" " "	.3	" " "	
TD				

DDH V-7 - RARE METALS (SAN JUAN)
(Arizona Testing Lab. Assays)

Footage	% Cu	Footage	% Cu
0-5	0.29	270-275	0.32
5-10	0.19	275-280	0.25
10-15	0.41	280-285	0.22
15-20	0.41	285-290	0.38
20-26 (sludge)	0.19	290-295	0.19
20-25	0.42	295-300	0.25
25-30	0.16	300-305	0.35
30-35	0.19	305-310	0.13
35-40	0.22	310-315	0.29
40-45	0.35	315-320	0.29
45-50	0.06	320-325	0.35
50-55	0.13	325-330	0.16
55-60	0.45	330-335	0.57
60-65	0.19	335-340	0.38
65-70	0.22	340-345	0.18
70-75	0.10	345-350	0.19
75-80	0.19	350-355	0.19
80-85	0.32	355-360	0.06
85-90	0.16	360-365	0.25
90-95	0.28	365-370	0.22
95-100	0.38	370-375	0.19
100-105	0.38	375-380	0.06
105-110	0.72	380-385	0.06
110-115	0.22	385-390	0.06
115-120	0.19	390-395	0.19
120-125	0.51	395-400	0.25
125-130	0.48	400-405	0.10
130-135	0.28	405-410	0.13
135-140	0.45	410-415	0.16
140-145	0.22	415-420	0.16
145-150	0.51	420-425	0.25
150-155	0.22	425-430	0.22
155-160	0.39	430-435	0.32
160-165	0.25	435-440	0.42
165-170	0.10	440-445	0.22
170-175	0.51	445-450	0.16
175-180	0.28	450-455	0.16
180-185	0.13	455-460	0.10
185-190	0.16	460-465	0.32
190-195	0.38	465-470	0.16
195-200	0.10	470-475	0.19
200-205	0.19	475-480	0.19
205-210	0.10	480-485	0.25
210-215	0.51	485-490	0.19
215-220	0.72	490-495	0.18
220-225	0.16	495-500	0.12
225-230	0.45	500-505	0.12
230-235	0.48	505-510	0.18
235-240	0.25	510-515	0.24
240-245	0.48	515-520	0.12
245-250	0.57	520-525	0.24
250-255	0.22	525-530	0.06
255-260	0.24	530-535	0.18
260-265	0.30	535-540	0.12
265-270	0.24	540-545	0.24

DDH V-7 - RARE METALS (SAN JUAN)
(Arizona Testing Labs. Assays)

Footage		% Cu	Footage	% Cu
545-550		0.18	645-650	0.30
550-555		0.12	650-655	0.12
555-560		0.06	655-660	0.12
560-565		0.12	660-665	0.06
565-570		0.12	665-670	0.12
570-575		0.18	670-675	0.06
575-580	(sludge)	0.24	675-680	0.12
575-580		0.42		
580-585		0.12	750-755	0.35
585-590		0.12	755-760	0.35
590-595		0.42	760-765	0.19
595-600		0.12	765-770	0.38
600-605		0.06	770-775	0.35
605-610		0.12	775-780	0.35
610-615		0.06	780-785	0.25
615-620		0.18	785-790	0.16
620-625		0.12	790-795	0.38
625-630		0.18	795-800	0.45
630-635		0.12	800-805	0.38
635-640		0.36	805-810	0.19
640-645		0.06	810-815	0.30

DDH RV-7 - SAN JUAN (RARE METALS)

Split Once — Condensed Log RR 4/25/61

Footage		% Cu	Sulfides	Oxides
0-10	And, Lt. Sil.	?	(Ccp, Bn, Py)	Lt-Cons. Li + Cu)
10-158	" " "	.2		
158-182	" " "	.3	? ? ?	Cons. Li + Cu + Ep.
182-192	" " "	.2	Ccp, Bn, Py	Lt. Li
192-214	" " "	.3	" " "	Lt. Li Local Ep
214-401	" " "	.2	" " "	Lt.-Cons. Li, Loc. Ox. Cu and Ep
401-445	" " "	.3	" " "	Lt. Li, ox Cu, some carb. veinlets
445-480	" " "	.2	" " "	
480-490	" " "	.3	" " "	
490-500	" " "	.2	" " "	
500-510	" " "	.4	" " "	
510-521	" " "	.3	" " "	
521-568	" " "	.2	" " "	
568-600	" " "	.3	" " "	
600-610	" " "	.4	" " "	
610-630	" " "	.25	" " "	
630-640	" " "	.4	" " "	
640-657	" " "	.45	" " "	
657-730	" " "	.3	" " "	Lt ox on fracs. to about 700'
730-740	" " "	.5	" " "	
740-750	" " "	.3	" " "	
750-770	" " "	.4	" " "	
770-785	" " "	.5	" " "	
785-795	" " "	.8	" " "	

TD

COMMENTS: Vertical fractures show most alteration and bleaching—talc, serpentine, silica. Also carry much more pyrite than chalcopyrite or bornite. These are widest also. Random fractures, wide (up to ½" or so) carry silica with little or no alteration of wall rock and these wider quartz veins seldom carry much sulfides, either pyrite or chalcopyrite. The very narrow (later?) fractures, random to near vertical most of the copper sulfides. The andesite where very fine grained is mineralized only on these hairline fractures but where pyroclastic, or porphyritic in texture, chalcopyrite is disseminated in blebs to very fine grains. Bornite seems more prominent with depth in hole. Undoubtedly much fine grained bornite is overlooked due to dark color of host rock. Alteration of the andesite is minor, for the most part the rock is fresh. Oxidation is limited to later fractures of the near vertical type below 600 feet and seems to about disappear below 700 feet. There is probably very little secondary enrichment. The copper mineralization was introduced along hairline fractures for the

DDH RV-7 - Comments (Cont'd):

most part and true disseminations only occur where the host andesite is relatively coarse grained and porous, such as porphyritic and pyroclastic facies. Vertical to steep fractures are oldest and recovered most silica + alt. + pyrite. Later fractures carried copper mineralizations and only where verticals have reopened, do you see much copper on them.

Oxidized zone is only development on and near larger fractures. Within a few feet of surface disseminated sulfides persist where not in fractures.

Best mineralization appears to be below 500 feet. Oxide copper is minimal.

DDH V-8 - RARE METALS

Coords 26,372N 14,876E Elevation 4,232.0 Inclination Vert.

A S S A Y S

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Tot. Cu.
60-65			0.25
65-70			0.13
70-75			0.19
75-80			0.25
80-85			0.19
85-90			0.19
90-95			0.22
95-100	0.19	0.04	0.28
100-105			0.19
105-110			0.32
110-115			0.22
115-120			0.19
120-125			0.29
125-130			0.22
130-135			0.22
135-140			0.19
140-145			0.19
145-150			0.13
150-155			0.16
155-160	0.26	0.07	0.19
160-165			0.13
165-170			0.10
170-175			0.13
175-180			0.10
180-185			0.10
185-190			0.06
190-195			0.16
195-200			0.22
200-205			0.25
205-210			0.16
210-215			0.40
215-220			0.25
220-225			0.19
225-230			0.19
230-235	0.26	0.11	0.19
235-240			0.16
240-245			0.16
245-250			0.28
250-255			0.38
255-260			0.28
260-265			0.32
265-270			0.39
270-275			0.35
275-280			0.35
280-285			0.35
285-290			0.35
290-295			0.35
295-300			0.35

DDH RV-8 (Pg. #2)

A S S A Y S

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Tot. Cu.
300-305	0.26	0.12	0.38
305-310			0.38
310-315			0.45
315-320			0.38
320-325			0.22
325-330			0.35
330-335			0.40
335-340			0.42
340-345			0.19
345-350			0.22
350-355	0.25	0.08	0.25
355-360			0.22
360-365			0.16
365-370			0.22
370-373			0.25
373-378			0.32
378-383			0.16
383-388			0.16
388-393			0.19
393-398			0.16
398-403			0.16
403-408			0.16
408-410			0.16
410-415			0.22
415-420			0.35
420-425			0.22
425-430			0.25
430-435			0.19
435-440			0.22
440-445			0.22
445-450	0.18	0.05	0.22
450-455			0.16
455-460			0.19
460-465			0.32
465-470			0.32
470-475			0.19
475-480			
480-485			
485-490			
490-495			
495-500			
500-505			
505-510			
510-515			
515-520			
520-525			
525-530			
530-535			
535-540			
540-545			
545-550			
550-555			
555-560			0.25

A S S A Y S

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Tot. Cu.
560-565	0.22	0.09	0.28
565-570			0.25
570-575			0.25
575-580			0.19
580-585			0.19
585-590			0.32
590-595			0.32
595-600			0.45
600-605			0.32
605-610	0.15	0.06	0.22

DDH RV-10 - SAN JUAN (RARE METALS)

Split twice

Condensed Log RR 4/27/61

Footage	Rock	% Cu	Sulfides	Oxides
0-222	No Core (Prob. And.)			
222-225	And.	?	?	Lim, hem, complete
225-256	No core			
256-264	And.	?	?	Lim, hem, Cu
264-402	No core			
402-408	And. and 2' QMP	.1	Ccp, Py	Lim
408-470	Core-none			
470-506	And & LP	.1	Ccp, Py	
506-660	No Core			
660-975	And	.2	Ccp, Bn, Py	Bn, very local
975-985	And & 1' Monz.	.5	Ccp, Bn, Py	
985-1004	And	.3	Ccp, Bn, Py	
1004-1031	And	.1	Ccp, Bn, Py	
1031-1174	LP	.2	Ccp, Bn, Py	
1174-1295	And	.2	Ccp, Bn, Py	
1295-1400	QMP	.15	Ccp, Bn, Py	
1400-1800	And	.1-.2	Ccp, Bn, Py	
1800-2230	And	.1-.2	Ccp, Bn, Py	Scattered Aplite stringer carry most Cu.
TD				

COMMENTS: Low grade hole at west edge of intrusive. Cuts both monzonite and latite intrusives (dikes and apophyses) Alteration is very local. Sulfides never heavy. Oxidation appears in fractures to bottom of hole. Heavy oxidation of sulfides down to at least 500 feet.

DDH V-10 - RARE METALS

Coords. 26,897N 12,213E Elevation 4,044.0 Inclination Vert.

A S S A Y S

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Total Cu.
0-5			0.16
5-10			0.10
10-15			0.28
15-20			0.48
20-25			0.22
25-30			0.28
30-35			0.35
35-40			0.32
40-45			0.29
45-50			0.42
50-55			0.22
55-60			0.25
60-65			0.35
65-70			0.35
70-75			0.35
75-80			0.45
80-85			0.48
85-90			0.22
90-95			0.42
95-100			0.22
100-105			0.35
105-110			0.28
110-115			0.22
115-120			0.25
120-125			0.32
125-130			0.25
130-135			0.19
135-140			0.35
140-145			0.60
145-150			0.32
150-155			0.28
155-160			0.38
160-165			0.35
165-170			0.45
170-175			0.32
175-180			0.38
180-185			0.41
185-190			0.25
190-195			0.25
195-200			0.22
200-205	0.11	0.02	0.13
205-210			0.16
210-215			0.32
215-220			0.32
220-225			0.25
225-230			0.29
230-235			0.32
235-240			0.29
240-245			0.22

DDH V-10 (Pg. #2)

A S S A Y S

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Tot. Cu.
245-250			0.22
250-255			0.38
255-260			0.41
260-265			0.32
265-270			0.32
270-275			0.16
275-280			0.19
280-285			0.25
285-290			0.25
290-295			0.25
295-300			0.32
300-205			0.16
305-310			0.25
310-315			0.16
315-320			0.13
320-325			0.19
325-330			0.16
330-335			0.28
335-340			0.32
340-345			0.97
345-350			0.45
350-355			0.19
355-360			0.57
360-365			0.51
365-370			0.16
370-375			0.10
375-380			0.16
380-385			0.13
385-390			0.16
390-395	0.20	-	0.25
395-400			0.25
400-405			0.19
405-410			0.16
410-415			0.22
415-420			0.19
420-425			0.42
425-430			0.32
430-435			0.16
435-440			0.13
440-445			0.25
445-450			0.22
450-455			0.32
455-460			0.25
460-465			0.35
465-470			0.52
470-475	0.23	-	0.25
475-480			0.77
480-485			0.16
485-490			0.32
490-495			0.16
495-500			0.16
500-505			0.29
505-510			0.25
510-515			0.10
515-520			0.19

	ATL Cu
520-525	.10
525-530	.29
530-535	.22
535-540	.13

ASSAYS

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Tot. Cu.
540-545			0.19
545-550			0.19
550-555			0.22
555-560			0.19
560-565			0.10
565-570			0.13
570-575			0.25
575-580			0.22
580-585			0.06
585-590			0.38
590-595			0.22
595-600			0.22
600-605			0.22
605-610			0.19
610-615			0.32
615-620			~~0.38~~ 0.32
620-625	0.30) 0.23)	0.03) -)	0.29
625-630	0.16	0.02	0.19
630-635	0.13	0.03	0.16
635-640	0.10	0.03	~~0.16~~ 0.16
640-645	0.07	0.03	0.13
645-650	0.25	0.03	0.32
650-655	0.24	0.02	0.32
655-660	0.44	0.03	0.48
660-665	0.43	0.03	0.88
665-668	0.35) 0.30)	0.03) -)	0.38
668-670	0.27		
670-680.3	0.14		
680.3-686.3	0.25		
686.3-695	0.24		
695-705.3	0.21		
705-715.3	0.23		
715.3-728.2	0.15		
728.2-737.2	0.20		
737.2-746.0	0.31		
746.0-755.2	0.16		
755.2-765.5	0.09		
765.5-778.3	0.10		
778.3-782.7	0.09		
782.7-792.5	0.12		
792.5-807.1	0.23		
807.1-817.3	0.11		
817.3-828.5	0.45	0.02	
827.5-837.7	0.24		
837.7-847.8	0.25		
847.8-857.8	0.20		
857.8-867.9	0.13		
867.9-878.0	0.22		
878.0-885.0	0.23		
885.0-895.3	0.17		
895.3-905.5	0.15		
905.5-915.7	0.28		
915.7-926.1	0.48	0.02	
926.1-937.0	0.25		

A S S A Y S

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Tot. Cu.
937.0-947.0	0.25		
947.0-957.2	0.33		
957.2-967.4	0.28		
967.4-977.6	0.45	0.01	
977.6-987.9	0.39		
987.9-998.1	0.50	0.03	
998.1-1008.1	0.29		
1008.1-1015.0	0.29		
1015.0-1025.1	0.42	0.03	
1025.1-1035.3	0.23		
1035.3-1045.5	0.30		
1045.5-1055.7	0.21		
1055.7-1066.0	0.25		
1066.0-1076.3	0.21		
1076.3-1086.5	0.20		
1086.5-1094.7	0.22		
1094.7-1104.9	0.20		
1104.9-1114.9	0.22		
1114.9-1125.1	0.23		
1125.1-1136.6	0.25		
1136.6-1149.5	0.30		
1149.5-1160.3	0.42	0.02	
1160.3-1169.0	0.51	Tr	
1169.0-1182.2	0.34		
1182.2-1190.3	0.52	0.02	
1190.3-1202.3	0.45	Tr	
1202.3-1208.8	0.20		
1208.8-1219.1	0.28		
1219.1-1229.4	0.21		
1229.4-1242.1	0.18		
1242.1-1252.4	0.18		
1252.4-1262.2	0.18		
1262.7-1275.0	0,12		
1275.0-1280.6	0.10		
1280.6-1290.7	0.11		
1290.7-1300.9	0.12		
1300.9-1311.1	0.13		
1311.1-1321.3	0.11		
1321.3-1331.5	0.10		
1331.5-1341.2	0.13		
1341.2-1351.1	0.11		
1351.1-1358.7	0.13		
1358.7-1368.8	0.28		
1368.8-1377.9	0.25		
1377.9-1388.0	0.14		
1388.0-1398.1	0.12		
1398.1-1408.3	0.21		
1408.3-1418.5	0.12		
1418.5-1427.3	0.15		
1427.3-1437.3	0.25		
1437.3-1447.3	0.13		
1447.3-1457.5	0.18		
1457.5-1467.7	0.28		
1467.7-1477.9	0.10		
1477.9-1488.1	0.10		

A S S A Y S

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Tot. Cu.
1488.1-1498.3	0.12		
1498.3-1508.5	0.14		
1508.5-1518.2	0.13		
1518.2-1528.9	0.17		
1528.9-1539.2	0.17		
1539.2-1549.4	0.19		
1549.4-1559.6	0.15		
1559.6-1569.8	0.17		
1569.8-1574.1	0.11		
1574.1-1581.7	0.19		
1581.7-1590.5	0.29		
1590.5-1600.5	0.71	0.04	
1600.5-1610.6	0.30		
1610.6-1624.3	0.14		
1624.3-1634.5	0.27		
1634.5-1644.7	0.35		
1644.7-1654.8	0.24		
1654.8-1665.0	0.33		
1665.0-1675.2	0.20		
1675.2-1685.4	0.22		
1685.4-1695.6	0.12		
1695.6-1705.8	0.08		
1705.8-1716.0	0.14		
1716.0-1726.2	0.10		
1726.2-1736.4	0.16		
1736.4-1746.6	0.10		
1746.6-1756.8	0.10		
1756.8-1767.1	0.09		
1767.1-1777.3	0.10		
1777.3-1787.4	0.08		
1787.4-1801.5	0.10		
1801.5-1811.8	0.08		
1811.8-1819.6	0.13		
1819.6-1826.8	~~0.08~~		0.07
1826.8-1837.0	0.22		
1837.0-1847.4	0.22		
1847.4-1858.7	0.13		
1858.7-1868.9	0.16		
1868.9-1874.1	0.25		
1879.1-1889.3	0.28		
1889.3-1899.5	0.23		
1899.5-1909.7	0.22		
1909.7-1919.6	0.22		
1919.6-1929.8	0.21		
1929.8-1940.2	0.17		
1940.2-1950.2	0.18		
1950.2-1960.4	0.18		
1960.4-1970.8	0.20		
1970.8-1981.0	0.22		
1981.0-1991.2	0.14		
1991.2-2001.4	0.16		
2001.4-2011.4	0.12		
2011.4-2021.6	0.12		
2021.6-2031.6	0.28		

A S S A Y S

Footage	Hawley & Hawley Tot. Cu.	Hawley & Hawley Ox. Cu.	Ariz. Test. Labs. Tot. Cu.
2031.6-2041.9	0.24		
2041.9-2052.2	0.22		
2052.2-2062.4	0.34		
2062.4-2071.9	0.27		
2071.9-2082.0	0.28		
2082.0-2092.2	0.22		
2092.2-2102.2	0.22		
2102.2-2112.4	0.17		
2112.4-2122.6	0.70		
2122.6-2132.9	0.21		
2132.9-2143.0	0.18		
2143.0-2151.3	0.27		
2151.3-2161.5	0.58	0.03	
2161.5-2169.3	0.72	0.02	
2169.3-2179.6	0.35		
2179.6-2189.9	0.20		
2189.9-2200.2	0.08		
2200.2-2210.4	0.10		
2210.4-2220.6	0.19		
2220.6-2230.0	0.11		

DDH RV-2 - SAN JUAN (RARE METALS)

Split Once

Condensed Log RR 4/27/61

Footage		% Cu	Sulfides	Oxides	Alt.
0-10	No Core			Cons. Li	Kaolin
10-40	QMP	?			
40-200	QMP	.1%	Ccp, Py	(See comments below)	
200-260	QMP	.25	Ccp, Py		
260-280	QMP	.1	Ccp, Py		
280-315	QMP	.25	Ccp, Py		
315-390	QMP	.35	Ccp, Py		
390-500	QMP	.25	Ccp, Py		
500-712	QMP	.3	Ccp, Py		

COMMENTS: Not much copper in upper part of hole. Oxidation penetrates rocks only near fractures even at shallow depths. Supergene alteration—kaolin near fractures. Hypogene alteration only near fractures to sericite and chlorite. Sericite more common. Thin quartz stringers more common at depth and carry most of the Ccp. Pyrite tends to be in fractures more commonly than disseminated. Ccp replaces biotite commonly. A little oxidation persits in fractures to bottom of hole. This rock is not as well fractured as andesite and is hence not such a good host. There is distinctly less bornite in this hole. More hematite stringers were noted. Away from fractures and their attendant alteration, either hypogene or supergene, the quartz monzonite has a decidedly fresh aspect.