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DIAMOND DRILL LOG

SCALE 1"=50'
STARTED 3-28-68
STOPPED 5-4-68
NOTES BY JKJ 9-18-73, 11-29-73
DEPTH 1000'
BEARING
INCLINATION vertical
HOLE No. 1 SHEET 1 OF 2
PROPERTY SQUAW PEAK
COUNTY Yavapai STATE Az
COLLAR COORD. N. 7498.4 E. 6194.7 ?
COLLAR ELEV. 4333.5

Drilled for Phillips Petroleum Company

ASSAYS % MO	ASSAYS % CU		% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYBE
								WK. FeOx in fractures, fair CuFeS2, some tarnished sulfides, local CuOx	weak alt, some felds. spar cloudy	Granodiorite
							Boxes 1 Thru 9, 11 Thru 23, 24 Thru 27, returned by Phillips Petroleum Nov. 1973	29'		@ 27' 1' fn grnd porphyry gray.
				50			logged by JKJ 11-29-73	Fair to locally good CuFeS2 weak FeS2, MoS2, occas. quartz veinlets. Some tarnish on sulfides.	46'± Most feldspar soft, pale green, fence largely alt to chlorite, ragged.	
				100			105 numerous qtz veinlets		105± Local kspar, but mostly feldspar partly soft white	
							125			
				150			Specimen 164'			151± Medium grained, porphyritic texture granodiorite
				200			227' contact @ 30° with wall of core			223' 4' gray qtz diorite porphyry Porphyritic grd.
							223 box 23 213-223' missing		221 feldspar in part soft green, some K-spar with qtz veinlets. 239	
				250			Box #28 STARTS AT 260'	Weak sulfides, CuFeS2, minor FeS2 dissem. in part with femics, CuFeS2, MoS2 with thin qtz veinlets.	femics partly altered to chlorite, feldspar partly bright, partly chalky white to green	Porphyritic granodiorite (or qtz monzonite ?)
				300						
									322' Softer, feldspar mostly pale colored, chalky — weathered appearance femics shreddy, mostly chlorite 359	
				350					Fresher, similar to above 322'	
				400					398± feldspar soft, chalky cream colored - cloudy altered?	
							SPECIMEN 447'		444' similar to above 322'	
				450						
									481 femic tan, some feldspar soft, chalky, some pink	
				500						

DIAMOND DRILL LOG

SCALE 1"=50'
STARTED
STOPPED
NOTES BY RKJ 9-18-73, 9-19-73

DEPTH
BEARING
INCLINATION

HOLE No. 1 SHEET 2 OF 2
PROPERTY SQUAW PEAK
COUNTY STATE
COLLAR COORD. N. E.
COLLAR ELEV.

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYBE
				500			500		507 weakly altered, femic partly altered to chlorite, some feldspar weakly altered.	slightly porphyritic granodiorite (or qtz monzonite?)
				550			550			
							Specimen 574'			
							Specimen 590'			
				600			600			
								qtz bornite CuS2 MoS2 veinlets	619' feldspar soft 630' white, femics tan	
				700			700			
									711 feldspar soft 718	
							Specimen 734'			
							Specimen 744'			
							Specimen 755' 744 & 755 are for petrographic exam. 744 lacks pink orthoclase, 755 has prominent pink orthoclase much of which may be introduced.		767 Feldspars soft	
							767-782 sheared 30°+50° with wall of core		782 Orthoclase somewhat more abundant than higher in hole — in part may be replacing feldspars.	
							829' steep 1" vein left qtz CuS2 MoS2			
							895' 1'± qtz, mn dendrites			
								923' numerous qtz-chlorite veinlets, weak sulfides	923' Feldspars mostly soft pale green, femics tan to absent.	923' may be same as above but alteration obscures texture
								951	951 Much orthoclase — same as above 923'	951

1000' BOTTOM OF HOLE

DIAMOND DRILL LOG

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH 1000' BEARING _____ INCLINATION _____

HOLE No. DDH 1 SHEET _____ OF _____

PROPERTY _____ COUNTY _____ STATE _____

COLLAR COORD. N. _____ E. _____

COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	Phillips ~~DETAIL~~ 10g	MINERALIZATION	ALTERATION	ROCK TYPE
				50				good ± -cp vns.	Feldspars green-grey fair-good steep calcite vnlts: (unmineralized) strong silic.	Fgd
				100						
				150						
				200			182-185: Kspar? dike	good dism cp, py, esp surrounding q-sulfide vns.	182-185: plag. alt. to pink (Kspar?)	
				250					fldspars white to green	porphyritic
				300						
				350						
				400			typical	good dism cpy	" some pinkish fldspr	still porph.
				450						
				500						

DIAMOND DRILL LOG

HOLE No. _____ SHEET _____ OF _____

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH _____ BEARING _____ INCLINATION _____

PROPERTY _____ COUNTY _____ STATE _____ COLLAR COORD. N. _____ E. _____ COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYBE
				550					Kspar (?) flooding	
				600				fewer sulfides	cont'd Kspar (?) intensities to plag	
				650						
				700						
				750			744-750: diorite dikes	good dism sulfides	local Kspar flooding bt looks fresh	
				800						
				850						
				900					890: most feldspars red	
				950			924-950: altered granite; hi Ag		extr. Kspar flooding as envelopes to q-sulfide vns wk. calcite along fracs.	much faulting, q-cpy vns
				1000				mod-good sulfides, vnlt-related	abundant feldspar. mod calc. on micro-fracs	much fracturing

ASSAY INFORMATION

DDH #1

Elev 4338.5

Interval	%Cu	$\%MoS_2$	Au	ppm Ag
0 - 5	No Sample			
5 - 10	0.49	0.005	Nil	1
10 - 15	0.49	0.021	Nil	1
15 - 20	0.90	0.048	Nil	2
20 - 25	0.69	0.023	Nil	2
25 - 30	0.65	0.017	Nil	2
30 - 35	0.68	0.032	Nil	2
35 - 40	0.71	0.052	Nil	3
40 - 45	0.58	0.012	Nil	1
45 - 50	0.70	0.010	Nil	2
50 - 55	0.59	0.005	Nil	2
55 - 60	0.56	0.068	Nil	1
60 - 65	0.71	0.037	Nil	2
65 - 70	0.57	0.010	Nil	2
70 - 75	0.72	0.050	Nil	1
75 - 80	0.57	0.050	Nil	2
80 - 85	0.61	0.038	Nil	2
85 - 90	0.61	0.038	Nil	3
90 - 95	0.50	0.037	Nil	2
95 - 100	0.41	0.022	Nil	2
100 - 105	0.55	0.023	Nil	2
105 - 110	0.39	0.006	Nil	2
110 - 115	0.31	0.002	Nil	2
115 - 120	0.52	0.023	Nil	2
120 - 125	0.53	0.025	Nil	2
125 - 130	0.44	0.010	Nil	3
130 - 135	0.55	0.035	Nil	3
135 - 140	0.74	0.018	Nil	3
140 - 145	0.62	0.008	Nil	3
145 - 150	0.51	0.013	Nil	2
150 - 155	0.41	0.044	Nil	2
155 - 160	0.40	0.010	Nil	2
160 - 165	0.39	0.006	Nil	2
165 - 170	0.44	0.035	Nil	2
170 - 175	0.43	0.037	Nil	2
175 - 180	0.33	0.015	Nil	1
180 - 185	0.42	0.053	Nil	3
185 - 190	0.32	0.010	Nil	2
190 - 195	0.37	0.075	Nil	2
195 - 200	0.23	0.038	Nil	1
200 - 205	0.30	0.030	Nil	1
205 - 210	0.23	0.040	Nil	1
210 - 215	0.32	0.033	Nil	3
215 - 220	0.35	0.105	Nil	2
220 - 225	0.25	0.012	Nil	1
225 - 230	0.18	0.018	Nil	-1
230 - 235	0.28	0.021	Nil	2
235 - 240	0.38	0.013	Nil	1
240 - 245	0.35	0.073	Nil	1
245 - 250	0.36	0.031	Nil	1
250 - 255	0.26	0.016	Nil	1
255 - 260	0.21	0.055	Nil	1
260 - 265	0.32	0.127	Nil	2
265 - 270	0.28	0.025	Nil	1
270 - 275	0.20	0.021	Nil	1
275 - 280	0.17	0.0005	Nil	-1
280 - 285	0.29	0.045	Nil	1
285 - 290	0.25	0.036	Nil	1
290 - 295	0.20	0.005	Nil	-1
295 - 300	0.29	0.048	Nil	1
300 - 305	0.12	0.003	Nil	-1
305 - 310	0.37	0.020	Nil	1
310 - 315	0.17	0.0003	Nil	-1
315 - 320	0.27	0.045	Nil	1
320 - 325	0.26	0.022	Nil	1
325 - 330	0.16	0.006	Nil	-1
330 - 335	0.090	0.0002	Nil	-1
335 - 340	0.14	0.003	Nil	-1
340 - 345	0.30	0.008	Nil	1
345 - 350	0.17	0.010	Nil	-1
350 - 355	0.15	0.006	Nil	1

ASSAY INFORMATION

DDH #1

Interval	%Cu		%MoS_2		Au	ppm Ag
355 - 360	0.11		0.003		Nil	-1
360 - 365	0.095		0.005		Nil	1
365 - 370	0.12		0.005		Nil	1
370 - 375	0.18		0.012		Nil	1
375 - 380	0.29		0.033		Nil	2
380 - 385	0.23	.26	0.083		Nil	1
385 - 390	0.13		0.003		Nil	1
390 - 395	0.11		0.0003		Nil	-1
395 - 400	0.19		0.011		Nil	1
400 - 405	0.24		0.034		Nil	3
405 - 410	0.13	.18	0.002		Nil	-1
410 - 415	0.34		0.009		Nil	1
415 - 420	0.13		0.002		Nil	-1
420 - 425	0.13		0.015		Nil	1
425 - 430	0.28		0.004		Nil	1
430 - 435	0.40	.34	0.001		Nil	2
435 - 440	0.18	.195	0.003		Nil	1
440 - 445	0.12		0.004		Nil	1
445 - 450	0.12		0.003		Nil	1
450 - 455	0.13		0.004		Nil	1
455 - 460	0.16	.16	0.011		Nil	1
460 - 465	0.18		0.009		Nil	1
465 - 470	0.23		0.010		Nil	1
470 - 475	0.16		0.010		Nil	1
475 - 480	0.24		0.010		Nil	1
480 - 485	0.35		0.018		Nil	1
485 - 490	0.44		0.058		Nil	2
490 - 495	0.25	.29	0.014		Nil	1
495 - 500	0.24		0.015		Nil	1
500 - 505	0.20		0.010		Nil	1
505 - 510	0.14		0.024		Nil	1
510 - 515	0.13	.12	0.011		Nil	1
515 - 520	0.09		0.010		Nil	1
520 - 525	0.21		0.027		Nil	1
525 - 530	0.25		0.035		Nil	2
530 - 535	0.19		0.028		Nil	1

Interval	%Cu		%MoS_2		Au	ppm Ag
535 - 540	0.23	.203	0.031		Nil	2
540 - 545	0.36	STOP	0.051		Nil	2
545 - 550	0.17	.26	0.006		Nil	2
550 - 555	0.20		0.009		Nil	1
555 - 560	0.48		0.017		Nil	2
560 - 565	0.21		0.104		Nil	1
565 - 570	0.19		0.004		Nil	1
570 - 575	0.13		0.001		Nil	1
575 - 580	0.20	.17	0.029		Nil	1
580 - 585	0.11		0.017		Nil	1
585 - 590	0.20		0.006		Nil	1
590 - 595	0.037		0.001		Nil	-1
595 - 600	0.042		0.001		Nil	-1
600 - 605	0.089		0.003		Nil	-1
605 - 610	0.057		0.004		Nil	-1
610 - 615	0.11		0.003		Nil	1
615 - 620	0.043		0.001		Nil	-1
620 - 625	0.43		0.001		Nil	2
625 - 630	0.14		0.007		Nil	1
630 - 635	0.11		0.014		Nil	-1
635 - 640	0.075		0.006		Nil	-1
640 - 645	0.12		0.003		Nil	-1
645 - 650	0.14		0.009		Nil	1
650 - 655	0.10		0.008		Nil	-1
655 - 660	0.072		0.004		Nil	-1
660 - 665	0.052		0.001		Nil	-1
665 - 670	0.056		0.001		Nil	-1
670 - 675	0.12		0.001		Nil	1
675 - 680	0.11		0.001		Nil	1
680 - 685	0.15		0.002		Nil	-1
685 - 690	0.053		0.005		Nil	-1
690 - 695	0.13		0.005		Nil	1
695 - 700	0.11		0.006		Nil	1
700 - 705	0.10		0.006		Nil	-1
705 - 710	0.084		0.004		Nil	-1
710 - 715	0.23		0.009		Nil	1

ASSAY INFORMATION

DDH #1

Interval	%Cu	$\%MoS_2$	Au	ppm Ag
715 - 720	0.10	0.005	Nil	-1
720 - 725	0.13	0.005	Nil	1
725 - 730	0.16	0.010	Nil	1
730 - 735	0.11	0.011	Nil	-1
735 - 740	0.16	0.014	Nil	-1
740 - 745	0.17	0.007	Nil	1
745 - 750	0.11	0.005	Nil	1
750 - 755	0.17 .15	0.005	Nil	1
755 - 760 40'	0.13	0.009	Nil	1
760 - 765	0.16	0.011	Nil	1
765 - 770	0.17	0.009	Nil	-1
770 - 775	0.12	0.007	Nil	1
775 - 780	0.080	0.004	Nil	-1
780 - 785	0.14	0.017	Nil	1
785 - 790	0.17	0.019	Nil	-1
790 - 795	0.19	0.026	Nil	1
795 - 800	0.19	0.015	Nil	1
800 - 805	0.26	0.035	Nil	1
805 - 810	0.16	0.009	Nil	1
810 - 815	0.30 .23	0.015	Nil	1
815 - 820 30'	0.23	0.024	Nil	2
820 - 825	0.19	0.009	Nil	1
825 - 830	0.25	0.020	Nil	1
830 - 835	0.14	0.005	Nil	1
835 - 840	0.15	0.020	Nil	1
840 - 845	0.14	0.004	Nil	1
845 - 850	0.21	0.005	Nil	1
850 - 855	0.17	0.018	Nil	1
855 - 860	0.15+300=	0.074	Nil	1
860 - 865	0.13	0.010	Nil	1
865 - 870 10'	0.095 .13	0.003	Nil	-1
870 - 875	0.14	0.005	Nil	-1
875 - 880	0.13	0.022	Nil	-1
880 - 885	0.13	0.010	Nil	-1
885 - 890	0.042	0.001	Nil	-1
890 - 895	0.12	0.006	Nil	-1

Interval	%Cu	$\%MoS_2$	Au	ppm Ag
895 - 900	+1000=.13%	0.014	Nil	1
900 - 905	0.07	0.013	Nil	-1
905 - 910	0.06	0.002	Nil	-1
910 - 915	0.05	0.0002	Nil	-1
915 - 920	0.09	0.003	Nil	-1
920 - 925	+1000=.11%	0.033	Nil	-1
925 - 930	+1000=.25%	0.005	Nil	23
930 - 935	0.08	0.001	Nil	10
935 - 940	0.07	0.010	Nil	2
940 - 945	0.02	0.001	Nil	-1
945 - 950	0.08	0.001	Nil	-1
950 - 955	0.02	0.0002	Nil	-1
955 - 960	0.01 .01	0.003	Nil	-1
960 - 965 100'	0.03	0.0005	Nil	-1
965 - 970	0.08	0.009	Nil	1
970 - 975	0.04	0.003	Nil	1
975 - 980	0.07	0.007	Nil	-1
980 - 985	0.02	0.0002	Nil	-1
985 - 990	+1000=.15%	0.017	Nil	-1
990 - 995	0.07	0.001	Nil	-1
995 - 1000	0.04	0.002	Nil	-1

INTERVALS AVERAGED

Interval	%Cu	$\%MoS_2$	Au	oz. Ag
5 - 75 } 170'	0.65	0.028	Nil	0.06
75 - 175 }	0.50	0.024	Nil	0.06
175 - 250	0.31	0.038	Nil	0.04
250 - 325	0.24	0.031	Nil	Tr
325 - 475	0.18	0.010	Nil	Tr
475 - 565	0.24	0.026	Nil	Tr
565 - 800	0.12	0.007	Nil	Tr
800 - 830	0.23	0.019	Nil	Tr
830 - 900	0.13	0.014	Nil	Tr
900 - 1000	0.07	0.005	Nil	Tr

0 - 325 0.42

ASSAY INFORMATION

DDH #1

Interval	%Cu	$\%MoS_2$	Au	ppm Ag
0 - 5	No Sample			
5 - 10	0.49	0.005	Nil	1
10 - 15	0.49	0.021	Nil	1
15 - 20	0.90	0.048	Nil	2
20 - 25	0.69	0.023	Nil	2
25 - 30	0.65	0.017	Nil	2
30 - 35	0.68	0.032	Nil	2
35 - 40	0.71	0.052	Nil	3
40 - 45	0.58	0.012	Nil	1
45 - 50	0.70	0.010	Nil	2
50 - 55	0.59	0.005	Nil	2
55 - 60	0.56	0.068	Nil	1
60 - 65	0.71	0.037	Nil	2
65 - 70	0.57	0.010	Nil	2
70 - 75	0.72	0.050	Nil	1
75 - 80	0.57	0.050	Nil	2
80 - 85	0.61	0.038	Nil	2
85 - 90	0.61	0.038	Nil	3
90 - 95	0.50	0.037	Nil	2
95 - 100	0.41	0.022	Nil	2
100 - 105	0.55	0.023	Nil	2
105 - 110	0.39	0.006	Nil	2
110 - 115	0.31	0.002	Nil	2
115 - 120	0.52	0.023	Nil	2
120 - 125	0.53	0.025	Nil	2
125 - 130	0.44	0.010	Nil	3
130 - 135	0.55	0.035	Nil	3
135 - 140	0.74	0.018	Nil	3
140 - 145	0.62	0.008	Nil	3
145 - 150	0.51	0.013	Nil	2
150 - 155	0.41	0.044	Nil	2
155 - 160	0.40	0.010	Nil	2
160 - 165	0.39	0.006	Nil	2
165 - 170	0.44	0.035	Nil	2
170 - 175	0.43	0.037	Nil	2
175 - 180	0.33	0.015	Nil	1
180 - 185	0.42	0.053	Nil	3
185 - 190	0.32	0.010	Nil	2
190 - 195	0.37	0.075	Nil	2
195 - 200	0.23	0.038	Nil	1
200 - 205	0.30	0.030	Nil	1
205 - 210	0.23	0.040	Nil	1
210 - 215	0.32	0.033	Nil	3
215 - 220	0.35	0.105	Nil	2
220 - 225	0.25	0.012	Nil	1
225 - 230	0.18	0.018	Nil	-1
230 - 235	0.28	0.021	Nil	2
235 - 240	0.38	0.013	Nil	1
240 - 245	0.35	0.073	Nil	1
245 - 250	0.36	0.031	Nil	1
250 - 255	0.26	0.016	Nil	1
255 - 260	0.21	0.055	Nil	1
260 - 265	0.32	0.127	Nil	2
265 - 270	0.28	0.025	Nil	1
270 - 275	0.20	0.021	Nil	1
275 - 280	0.17	0.0005	Nil	-1
280 - 285	0.29	0.045	Nil	1
285 - 290	0.25	0.036	Nil	1
290 - 295	0.20	0.005	Nil	-1
295 - 300	0.29	0.048	Nil	1
300 - 305	0.12	0.003	Nil	-1
305 - 310	0.37	0.020	Nil	1
310 - 315	0.17	0.0003	Nil	-1
315 - 320	0.27	0.045	Nil	1
320 - 325	0.26	0.022	Nil	1
325 - 330	0.16	0.006	Nil	-1
330 - 335	0.090	0.0002	Nil	-1
335 - 340	0.14	0.003	Nil	-1
340 - 345	0.30	0.008	Nil	1
345 - 350	0.17	0.010	Nil	-1
350 - 355	0.15	0.006	Nil	1

ASSAY INFORMATION

DDH #1

Interval	%Cu	%MoS_2	Au	ppm Ag
355 - 360	0.11	0.003	Nil	-1
360 - 365	0.095	0.005	Nil	1
365 - 370	0.12	0.005	Nil	1
370 - 375	0.18	0.012	Nil	1
375 - 380	0.29	0.033	Nil	2
380 - 385	0.23	0.083	Nil	1
385 - 390	0.13	0.003	Nil	1
390 - 395	0.11	0.0003	Nil	-1
395 - 400	0.19	0.011	Nil	1
400 - 405	0.24	0.034	Nil	3
405 - 410	0.13	0.002	Nil	-1
410 - 415	0.34	0.009	Nil	1
415 - 420	0.13	0.002	Nil	-1
420 - 425	0.13	0.015	Nil	1
425 - 430	0.28	0.004	Nil	1
430 - 435	0.40	0.001	Nil	2
435 - 440	0.18	0.003	Nil	1
440 - 445	0.12	0.004	Nil	1
445 - 450	0.12	0.003	Nil	1
450 - 455	0.13	0.004	Nil	1
455 - 460	0.16	0.011	Nil	1
460 - 465	0.18	0.009	Nil	1
465 - 470	0.23	0.010	Nil	1
470 - 475	0.16	0.010	Nil	1
475 - 480	0.24	0.010	Nil	1
480 - 485	0.35	0.018	Nil	1
485 - 490	0.44	0.058	Nil	2
490 - 495	0.25	0.014	Nil	1
495 - 500	0.24	0.015	Nil	1
500 - 505	0.20	0.010	Nil	1
505 - 510	0.14	0.024	Nil	1
510 - 515	0.13	0.011	Nil	1
515 - 520	0.09	0.010	Nil	1
520 - 525	0.21	0.027	Nil	1
525 - 530	0.25	0.035	Nil	2
530 - 535	0.19	0.028	Nil	1
535 - 540	0.23	0.031	Nil	2
540 - 545	0.36	0.051	Nil	2
545 - 550	0.17	0.006	Nil	2
550 - 555	0.20	0.009	Nil	1
555 - 560	0.48	0.017	Nil	2
560 - 565	0.21	0.104	Nil	1
565 - 570	0.19	0.004	Nil	1
570 - 575	0.13	0.001	Nil	1
575 - 580	0.20	0.029	Nil	1
580 - 585	0.11	0.017	Nil	1
585 - 590	0.20	0.006	Nil	1
590 - 595	0.037	0.001	Nil	-1
595 - 600	0.042	0.001	Nil	-1
600 - 605	0.089	0.003	Nil	-1
605 - 610	0.057	0.004	Nil	-1
610 - 615	0.11	0.003	Nil	1
615 - 620	0.043	0.001	Nil	-1
620 - 625	0.43	0.001	Nil	2
625 - 630	0.14	0.007	Nil	1
630 - 635	0.11	0.014	Nil	-1
635 - 640	0.075	0.006	Nil	-1
640 - 645	0.12	0.003	Nil	-1
645 - 650	0.14	0.009	Nil	1
650 - 655	0.10	0.008	Nil	-1
655 - 660	0.072	0.004	Nil	-1
660 - 665	0.052	0.001	Nil	-1
665 - 670	0.056	0.001	Nil	-1
670 - 675	0.12	0.001	Nil	1
675 - 680	0.11	0.001	Nil	1
680 - 685	0.15	0.002	Nil	-1
685 - 690	0.053	0.005	Nil	-1
690 - 695	0.13	0.005	Nil	1
695 - 700	0.11	0.006	Nil	1
700 - 705	0.10	0.006	Nil	-1
705 - 710	0.084	0.004	Nil	-1
710 - 715	0.23	0.009	Nil	1

ASSAY INFORMATION

DDH #1

Interval	%Cu	%MoS_2	Au	ppm Ag
715 - 720	0.10	0.005	Nil	-1
720 - 725	0.13	0.005	Nil	1
725 - 730	0.16	0.010	Nil	1
730 - 735	0.11	0.011	Nil	-1
735 - 740	0.16	0.014	Nil	-1
740 - 745	0.17	0.007	Nil	1
745 - 750	0.11	0.005	Nil	1
750 - 755	0.17	0.005	Nil	1
755 - 760	0.13	0.009	Nil	1
760 - 765	0.16	0.011	Nil	1
765 - 770	0.17	0.009	Nil	-1
770 - 775	0.12	0.007	Nil	1
775 - 780	0.080	0.004	Nil	-1
780 - 785	0.14	0.017	Nil	1
785 - 790	0.17	0.019	Nil	-1
790 - 795	0.19	0.026	Nil	1
795 - 800	0.19	0.015	Nil	1
800 - 805	0.26	0.035	Nil	1
805 - 810	0.16	0.009	Nil	1
810 - 815	0.30	0.015	Nil	1
815 - 820	0.23	0.024	Nil	2
820 - 825	0.19	0.009	Nil	1
825 - 830	0.25	0.020	Nil	1
830 - 835	0.14	0.005	Nil	1
835 - 840	0.15	0.020	Nil	1
840 - 845	0.14	0.004	Nil	1
845 - 850	0.21	0.005	Nil	1
850 - 855	0.17	0.018	Nil	1
855 - 860	0.15+300=	0.074	Nil	1
860 - 865	0.13	0.010	Nil	1
865 - 870	0.095	0.003	Nil	-1
870 - 875	0.14	0.005	Nil	-1
875 - 880	0.13	0.022	Nil	-1
880 - 885	0.13	0.010	Nil	-1
885 - 890	0.042	0.001	Nil	-1
890 - 895	0.12	0.006	Nil	-1
895 - 900	+1000=.13%	0.014	Nil	1
900 - 905	0.07	0.013	Nil	-1
905 - 910	0.06	0.002	Nil	-1
910 - 915	0.05	0.0002	Nil	-1
915 - 920	0.09	0.003	Nil	-1
920 - 925	+1000=.11%	0.033	Nil	-1
925 - 930	+1000=.25%	0.005	Nil	23
930 - 935	0.08	0.001	Nil	10
935 - 940	0.07	0.010	Nil	2
940 - 945	0.02	0.001	Nil	-1
945 - 950	0.08	0.001	Nil	-1
950 - 955	0.02	0.0002	Nil	-1
955 - 960	0.01	0.003	Nil	-1
960 - 965	0.03	0.0005	Nil	-1
965 - 970	0.08	0.009	Nil	1
970 - 975	0.04	0.003	Nil	1
975 - 980	0.07	0.007	Nil	-1
980 - 985	0.02	0.0002	Nil	-1
985 - 990	+1000=.15%	0.017	Nil	-1
990 - 995	0.07	0.001	Nil	-1
995 - 1000	0.04	0.002	Nil	-1

INTERVALS AVERAGED

Interval	%Cu	%MoS_2	Au	oz. Ag
5 - 75	0.65	0.028	Nil	0.06
75 - 175	0.50	0.024	Nil	0.06
175 - 250	0.31	0.038	Nil	0.04
250 - 325	0.24	0.031	Nil	Tr
325 - 475	0.18	0.010	Nil	Tr
475 - 565	0.24	0.026	Nil	Tr
565 - 800	0.12	0.007	Nil	Tr
800 - 830	0.23	0.019	Nil	Tr
830 - 900	0.13	0.014	Nil	Tr
900 - 1000	0.07	0.005	Nil	Tr

PETROLOGIC DESCRIPTION

Spec. No: 1-64
Locality: DDH 1
Occurrence:
Field Relns (See C below):
1-1.5cm q-sul. vn. @ 25°

Coll./Exam. by: RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: GREENISH GRAY

Texture: MED. GRND, EQUIGRAN, GRANITIC

Density:

2.

	(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1	qtz		fine-med		40-45	qtz vns cut clay (mont?) unlts.
2	plag	clays, seric.	med.		30	35-90% alt. to ser, clays; ave 65% alt
3	Kfelds		fine		10?	poss. perthite, tr Kspar as f.g. matrix constituent
4	~~(bt)~~	chlor	fine-med.		15	bt 95% altd to chlor, ± epid & much bluish chlor along bt. clvg.
5		calcite			tr	asso w/ chlor + as microvnlts (cut by later qtz)
		epidote			tr	alt of bt along clvg
		leucoxene			tr	"
	sulfides				1-2	veins

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin Ign.

6. Field Classification - Name: GRANODIORITE (?)

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)

2. Weathering, Alteration, Staining, Surface Features
plag 50% ser, clays altd.
mafics → chlor + qtz, tr CaCO3

3. Mineralization veins

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

stained

PETROLOGIC DESCRIPTION

Spec. No: SP-1-98
Locality: DDH 1
Occurrence:
Field Relns (See C below):
q vn. w/ abund cpy & MoS_2

Coll./Exam. by: JKJ/RAR
Date:
Descr. No:

Rock more siliceous w/ ↑ q vns, 97-114'

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: LT. GREY

Texture: MED. GRND, GRANITIC

Density:

2.

(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz		fine-med		45	mostly as major grndmass const.; also as numerous vnlts (≤1mm); w/ cp, mb
2 plag Kspar	seric, clays	med.		30	60% alt. to seric, clays; perv. + vnlt. alt'n. numerous seric vnlts, ↑
3 bt	chlor	med.		10?	bt 10% → chlor, trepid, poss. rexlized
4	calcite			10	asso. w/ bt pods, also as vnlts. - later than qtz-sul. type vns.
5 apatite				tr	
sulfides				1-2	rel. to q vns. cp, py
	epid.			tr	alt along bt clvg

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin

6. Field Classification - Name: GRANODIORITE (?)

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
fractured, numerous veins

2. Weathering, Alteration, Staining, Surface Features
MOD. PHYLLIC/ARG. ALT. OF PLAG (PERV. + VNLT-CONTROLLED)
Poss. 2ndary bt; $CaCO_3$

3. Mineralization
vnlts.

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

felds alt + K felds unstained, unaltd.

PETROLOGIC DESCRIPTION

Spec. No: SP-1-447
Locality: DDH 1
Occurrence:
Field Relns (See C below):
SULFIDES

Coll./Exam. by: JKJ/RRR
Date:
Descr. No:

higher total K-felds, 454-475
Kspar visit reported @ 446

A. Primary Rock Features

1. Hand Spec. Descr.:
   Color: LT. GRAY
   Texture: MED GRND
   Density:

2.

(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz		fine-med		35	
2 plag	clays, seric	fine-med		35	20% alt'd to ~~clays + ser~~ ser + clays ic; a few xls 90% sericitized; most alt'd in patches by clay.
3 K-felds		fine		10	occurs w/ q + /plag interfaces + w/ esp q ~~bt + chlor~~.
4 bt	chlor	med-fine	lt. brown	10	bt ~~<5%~~ alt. to chlor.; 1 large red-brown x/l mostly fine + partially alt'd to chlor
5 hornbl.				5	rel. fresh
py		fine		1-2	finely dism'j asso. w/ matics
	epidote	"		tr	occurs w/ chlor. in patches
	calcite	"		tr	numerous small units, comm asso. w/ bt/chlor. bleb.

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin Igneous

6. Field Classification - Name: GRANODIORITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
   Mod. frac'd.

2. Weathering, Alteration, Staining, Surface Features
   Wk-mod. clay/seric.
   Wk. chlor, calc.

3. Mineralization

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

stained

PETROLOGIC DESCRIPTION

Spec. No: 1-452
Locality: DDH 1
Occurrence:
Field Relns (See C below):

Coll./Exam. by: PHILLIPS PET./RRR
Date:
Descr. No:

See 1-447

A. Primary Rock Features
1. Hand Spec. Descr.:
Color: GREENISH GRAY
Texture: MED GRND, PORPHYRITIC
Density:

2.

(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz		fine		30-35	
2 plag	seric, clay	med.		40-45	internal features mostly destroyed by seric + clay alt'n (seric > clays)
3 bt		fine-med	lt. straw brown	10	occurs in ragged clusters; no chlorite observed. poss. wk epidote, locally str ser alt.
4 K-felds		fine		10?	
5 apatite?				tr	w/ bt clots + sulfides
sulfides	X			2	mostly py; asso. w/ bt. aggregates
	seric			(w/ plag)	alt of plag, also alt along bt clvg

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio = 1:1

5. Evidence on Origin Igneous

6. Field Classification - Name: GRANODIORITE PORPHYRY

B. Secondary Rock Features
1. Structures (clvg, frac, deformation, etc.)

2. Weathering, Alteration, Staining, Surface Features
plag 85% → seric + clay

3. Mineralization sulfides asso. w/ vns., & flooding, + bt aggregates

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

unstained

PETROLOGIC DESCRIPTION

Spec. No: I-591
Locality: DDH-1
Occurrence:
Field Relns (See C below):

Coll./Exam. by: PHILLIPS PET/RRR
Date:
Descr. No:

$CaCO_3$ in fracs
dissm cp, mb

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: PINKISH-GRAY

Texture: MED GRND, PORPHYRITIC

Density:

2.

(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz				35	
2 plag	clay, seric			35	plag 45% alt. to ~~clay~~ clay + ser, esp. near fracs + at center of plag xl.
3 K-felds				10	
4 bt			lt. brownish green	15	5-10% alt. to chlor, tr. epid.
5 apatite		v. fine		<1	
sulfides				<1	mostly py, forms core of bt-chlor-calc pods
	chlorite			tr	asso. w/ bt aggregates
	epidote	v. fine		tr	"
hornbl	chlor	3mm		tr	30% → chlor

calcite — asso w/ veinlets

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio = 1:5

5. Evidence on Origin Igneous

6. Field Classification - Name: GRANODIORITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
Wkly. frac'd.

2. Weathering, Alteration, Staining, Surface Features
Moderate clay/seric alt'n.

3. Mineralization in bt. aggregates

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

unstained

PETROLOGIC DESCRIPTION

Spec. No: 1-600
Locality: DDH-1
Occurrence:
Field Relns (See C below):

Coll./Exam. by: PHILLIPS PET/RRR
Date:
Descr. No:

see 591
diam cp, mb

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: PINKISH GRAY

Texture: MED GRND, GRANITIC, SL. PORPHYRITIC

Density:

2.

(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz		fine-coarse		35	
2 plag	clay, seric	med-coarse		30	plag 60% altd to clays + seric (minor)
3 K-felds		med		15	wk clay alt'n, usually at grain center
4, bt, hornbl.?		med-coarse	brownish green to green	15	partial alt'n to chlorite chlor part str. in f.g. masses 100% → chlor
5 apatite		coarse v. fine		tr	asso. w/ sulfides – recryst?
	chlor	fine		tr	partial alt'n prod. of bt aggregates
	epid	v. fine		tr	"
sulfides		med		tr	mostly py – in bt blebs
cc	calcite	v. fine		tr	w/ bt-chlor-epid

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio = 1:10

5. Evidence on Origin Igneous

6. Field Classification - Name: GRANODIORITE OR QUARTZ MONZONITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)

2. Weathering, Alteration, Staining, Surface Features
Mod. clay/seric alt'n
fair chlor along bt clugs. (bt 15-20% alt → chlor; most bt may be in early stages of chlorite alt'n)

3. Mineralization

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

unstained

PETROLOGIC DESCRIPTION

Spec. No: I-618
Locality: DDH I
Occurrence:
Field Relns (See C below):

Coll./Exam. by: RRR
Date:
Descr. No:

dism cp + mb

A. Primary Rock Features
1. Hand Spec. Descr.:
Color: PINK

Texture: MED. GRND, PORPHYRITIC

Density:

2.

(PRIMARY) Discern.	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz		med		30	
2 plag	clay, seric	fine-med-coarse		40	65% → seric, clay ; seric. usually strongest at center ; primarily pervasive alt'n.
3 K-felds		fine		10	2 modes: 1) fine grains w/ q + plag ; + 2) a vn. + interst. fillings surrounding bt pods.
4 bt	chlor, epid?	fine + coarse	brown-green	15	2 modes: large yellowish brown xl ; more commonly as interconnected aggregates
5 hornbl.	rel. fresh			tr	< 5% alt → chlor, epid; bt not fresh in appearance, however; incipient alt?
apa sulfides	←			tr	forms core of bt aggregates (py?)
	calcite			tr	veinlets

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:
anhedral q + K-feldspar ; bt aggregates at grain intersections along fractures. Phenocryst/Groundmass Ratio = 1:5

5. Evidence on Origin

6. Field Classification - Name: PORPHYRITIC GRANODIORITE

B. Secondary Rock Features
1. Structures (clvg, frac, deformation, etc.)
Moderately fractured

2. Weathering, Alteration, Staining, Surface Features
fair clay (+/or seric?) micro vnlts) Mod-str. pervasive clay-seric. alt.
wk chlor.

3. Mineralization

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

stained

PETROLOGIC DESCRIPTION

Spec. No: 1-993
Locality: DDH-1
Occurrence:
Field Relns (See C below):
numerous hairline q-ser-py-cp vns. @ hi ∠'s
weak dism sul.

Coll./Exam. by: RRR
Date:
Descr. No:

fault breccia @ 995'

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: DK. PINK

Texture: MED. GRND, EQUIGRAN.

Density:

2.

(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz		fine-med		30	
2 plag	sericite, clays	med		35	65% alt. to seric + clays (mostly ser) poss. vn-rel.
3 K-felds		fine		15	Occurs as 1) minor constituent and 2)(possibly) recrystallized along fracs + at grain boundaries
4 bt	chlorite	fine-med	green	15	bt 90% → chlor; mostly in aggregates Chlor also as major vn. component w/ q-ser-sul
5 apatite				tr	w/ qtz, spat. asso w/ matic blebs
	calcite	v. fine		tr	w/ chloritized pods, usually w/ sulfides
sulfides		fine		1-2	w/ bt/chlor aggregates; mostly in q-ser-chlor ms

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin Igneous

6. Field Classification - Name: GRANODIORITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
Mod. perv. fracturing

2. Weathering, Alteration, Staining, Surface Features
Mod. pervasive sericitization of plag.
Strong chloritization

3. Mineralization
veins + dism

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

stained

Over ☒ Yes ☐ No

1 mm q - sulfide - chlorite-sericite vnlt w/ alt. env. of serc. + wk K-feldspar/c.

PETROLOGIC DESCRIPTION

Spec. No: I-523
Locality: DDH 1
Occurrence:
Field Relns (See C below):

Coll./Exam. by: PHILLIPS PET/IRR
Date:
Descr. No:

580-535 : sl. porph
local conc. of epidote

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: GRAY

Texture: MED GRND, GRANITIC

Density:

2.

(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz				35	
2 plag	clay, seric			35	~~40~~% alt. to clays, minor seric; larger xls most alt'd. Alt'n localized by int. twinning + may be induced by fracs
3 K-felds				15?	unaltered to wkly alt'd by clays
4 bt	chlor		lt. olive brown	~~10~~ 10-15	aggregates of rough grains ≤5% alt. to chlorite
5 calcite				tr	isolated grains in q
apatite				tr	"
sulfides				tr	prob. py, asso. w/ bt bleb
epidote				tr	w/ q, near bt. grain
hornbl.				tr	fresh

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin Igneous

6. Field Classification - Name: GRANODIORITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
wk. fracturing

2. Weathering, Alteration, Staining, Surface Features
wk-mod. clay/seric alt — perv. + frac.-rel'd.

3. Mineralization vnlts & dissm

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

unstained

DIAMOND DRILL LOG

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH 600' BEARING _____ INCLINATION _____

HOLE No. DDH 3. SHEET _____ OF _____

PROPERTY _____ COUNTY _____ STATE _____

COLLAR COORD. N. _____ E. _____ COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
										Rgd
									feldspars chalky + white	
				100			104: specs native Cu			
							128.7: bn			
							180: aplite dikes			
				200				fair-good sulfides, asso. w/ red fldspars darker ground mass		
				300			325: 60% Kspar			
							typical		feldspars white + pink, abund. microfrac w/ chl	
				400						
				500						
									Feldspars mostly dk pink or red; bleached to lt. pink to white, greenish-white near qtz vns.	
				600						

DIAMOND DRILL LOG

SCALE 1"=50'
STARTED 5-31-68
STOPPED 8-2-68
NOTES BY LEJ 9-19-73

DEPTH
BEARING N 67°E
INCLINATION -62½°

HOLE No. 3 SHEET 1 OF 2
PROPERTY SQUAW PEAK
COUNTY YAVAPAI STATE AZ.
COLLAR COORD. N. 7841 E. 5618
COLLAR ELEV.

Drilled for Phillips Petroleum Company

ASSAYS % MO	ASSAYS % CU	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
						0-32' No core recovered			
			32'			Specimen 99'	Fair rusty brown FeOx, weak green Cu ox - mostly malachite 60' weak FeOx, weak Cu FeS2 on seams & as persistent fine dissemination	femics partly alt. to chlorite, feldspar partly chalky white, partly bright	Medium grained granitic, probably granodiorite Not significantly different from hole 1, though less obvious porphyritic character.
						Specimen 148'		115± Harder fresher, less weathering, more obvious K-spar, some veinlet K-spar. Numerous intervals with some feldspar white chalky to pale green.	
						Specimen 226'	225'± disseminated Cu FeS2, MoS2, much replacing chlorite altered femics 291± Similar to 60' to 225', weak persistent Cu FeS2, FeOx gradually disappears.	276 Mostly pink orthoclase floating & replacing feldspar.	
						Specimen 358'		316 Mostly soft, crumbly, feldspar clay alt. femics alt. to chlorite 340 Similar to 276-316, - abundant K-spar	
						Specimen 390' represents best of disseminated mineralization 400 391-401 & 411-421 Core missing	387' Increased Cu FeS2	366' Similar to 115' to 276'	
								421? Feldspar soft, gray green 428 abundant K-spar 442 moderate clay alt. increasing at depth.	
			459			occasional steep slickensided planes, thin blue fault clays	459' Weak Cu FeS2	459' Intense clay alteration	459' Rock texture obscured by alteration

DIAMOND DRILL LOG

SCALE 1"=50' STARTED _____ STOPPED _____ NOTES BY JKJ 9-19-73

DEPTH _____ BEARING _____ INCLINATION _____

HOLE No. 3 SHEET 2 OF 2

PROPERTY SQUAW PEAK COUNTY _____ STATE _____

COLLAR COORD. N. _____ E. _____

COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
							500'		510 Feldspar in part bright in part soft white & green. Femic alt. to chlorite.	probably granodiorite
							600' BOTTOM OF HOLE		590 Fresher, most feldspar bright, moderate saus. or Thodase. Femic alt. to chlorite	

PETROLOGIC DESCRIPTION

Spec. No: 3-123
Locality: DDH 3
Occurrence:
Field Relns (See C below):

Coll./Exam. by: PHILLIPS PET/RRR
Date:
Descr. No:

Specks of native Cu reported at 104'
" bornite " " 128.7'

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: TAN-GRAY

Texture: MED GRND; GRANITIC

Density:

2.

(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz		fine-med		30	
2 plag	clay, seric.	med		40	~65% alt. to clay + seric. (clay ≥ seric)
3 K-felds		fine		10?	
4 bt	chlor	fine-med-coarse	straw brwn to olive green	15	bt 55% alt'd to chlorite; mostly in aggregates, sometimes w/ calc +/or sulfides, always partially alt'd.
5 apatite		v. fine		tr	
	calcite	v. fine		tr	usually w/ bt-chlor-sulfide pods
sulfides		fine		tr	
	epidote	fine		tr	w/ chlor-calc. assemb. in pods, in borders of sul. in "core" of mafic pods

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin kgn.

6. Field Classification - Name: GRANODIORITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
Wk-mod fracturing

2. Weathering, Alteration, Staining, Surface Features
Mod clay/seric alt.
Mod chlorite

3. Mineralization dism

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

unstained

PETROLOGIC DESCRIPTION

Spec. No: 3-227
Locality: DDH 3
Occurrence:
Field Relns (See C below):

Coll./Exam. by: PHILLIPS POT/RRR
Date:
Descr. No:

A. Primary Rock Features
1. Hand Spec. Descr.:
Color: GRAY
Texture: MED GRAINED, SL. PORPHYRITIC
Density:

2.

(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz				35-40	
2 plag	clay, seric,			30	60% alt to ~~ser + clay~~ seric — alt'n related to vns. + fracs.
3 Kfelds				10?	v. weak clay alt.
4 bt	chlor		brown - brown-gray	15	2 modes: 1) coarse, brown xls w/ v. little or no alt. & 2) ragged, fine interstitial masses which are strained or weakely alt'd.
5 apatite				tr	
	calcite			< 1	microvnlts; later than q; also w/ bt-sulfide pods
	epidote?			tr	~~Pass~~ asso w/ bt in centers of mafic clots locally str alt of bt (or horn?)
	sulfides			tr	mostly in q vnlts. + fracs.; mostly py
hornbl.		2mm		5	15-20% → chlor

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio = 1:8

5. Evidence on Origin Ign.

6. Field Classification - Name: GRANODIORITE

B. Secondary Rock Features
1. Structures (clvg, frac, deformation, etc.)
Weak-mod. fracturing

2. Weathering, Alteration, Staining, Surface Features
Mod clay/ser. alt.

3. Mineralization
Vns > dism

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)
unstained

Over ☐ Yes ☐ No

PETROLOGIC DESCRIPTION

Spec. No: 3-570
Locality: DDH 3
Occurrence:
Field Relns (See C below):

Coll./Exam. by: PHILLIPS PET/RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: TAN-GRAY-GREEN

Texture: MED GRND, GRANITIC

Density:

2.

(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz				40	
2 plag	clay, seric.			30	plag ~75% alt. to seric, clay (clay ≈ seric)
3 K-felds				10 ?	(pegmatite?)
4 bt	chlor		lt green	15	bt ~~85%~~ alt → chlorite; chlor. repl. bt along clvg. planes
5 apa					
	calcite			2-3	thin stringers; late phase
	sulfides			1	Virt. all in qtz vn.

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin hyp.

6. Field Classification - Name: GRANODIORITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
Str-Mod. fracturing

2. Weathering, Alteration, Staining, Surface Features
Mod-str. seric-clay alt'n. } Possibly vn.-related
Str. chlor. of mafics.

3. Mineralization
Vn lts.

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

unstained

Over ☒ Yes ☐ No

1 mm q-sul vnlt w/ tr calc. & envelope of seric. alt. —
cut by several microvnlts of $CaCO_3$

PETROLOGIC DESCRIPTION

Spec. No: 3-600
Locality: DDH-3
Occurrence:
Field Relns (See C below):

Coll./Exam. by: PHILLIPS PET/RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: GREEN-GRAY to TAN

Texture: MED GRND

Density:

2.

(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz		med, fine		35	
2 plag	seric, clay	med		40	plag 50-00% → seric+clay (seric ≥ clay); esp. strong at centers of xls
3 Kfelds		fine		10?	
4 bt	chlor	fine-med		10	bt 35% → chlor (pennantite?)
5	sulfides	fine		tr	asso. w/ alt'd bt
	calcite	v. fine		tr	" often w/ sulfides
	epidote?			tr	"
apatite				tr	
hornbl.				2	10% → chlor

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin lgn.

6. Field Classification - Name: GRANODIORITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
   Weakly frac'd

2. Weathering, Alteration, Staining, Surface Features
   Mod seric-clay
   wk-mod chlor

3. Mineralization dism

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

unstained

ASSAY INFORMATION
DDH #3

Interval	%Cu	%MoS_2	Au	ppm Ag
0 - 32' FILL MTL.				
32 - 40 (8')	0.15	0.0003		
40 - 45 (5')	0.25 18@0.177	0.004		
45 - 50	0.15	0.0005		
50 - 55	0.41	0.019		
55 - 60	0.21	0.017	ND	1
60 - 65	0.15	0.002		
65 - 70 (5')	0.23 45'	0.001	.221	
70 - 75	0.37 65' .23	0.003		
75 - 80	0.17	0.002		
80 - 85	0.24	0.002	ND	-1
85 - 90	0.26	0.001		
90 - 95	0.21	0.006		
95 -100	0.35 10' .46	0.006		
100 -105	0.56	0.004		
105 -110	0.28	0.001	ND	1
110 -115	0.21 10' .25	0.003		
115 -120	0.30	0.009		
120 -125	0.34	0.006		
125 -130	0.33 25' .34	0.006		
130 -135	0.37	0.003		
135 -140	0.35	0.003	ND	1
140 -145	0.27	0.001		
145 -150	0.25 10' .26	0.007		
150 -155	0.33	0.022		
155 -160	0.39	0.023		
160 -165	0.39	0.029	ND	1
165 -170	0.26	0.003		
170 -175	0.40	0.092		
175 -180	0.31	0.006		
180 -185 (400)	0.29	0.006 .317	.0106	
185 -190	0.30	0.004		
190 -195	0.35	0.020		

Interval	%Cu	%MoS_2	Au	ppm Ag
195-200	0.34	.0.008		
200-205	0.30 65' .35	0.008	ND	1
205-210	0.35	0.006		
210-215	0.47	0.011		
215-220	0.22	0.003		
220-225	0.29 10' .26	0.006		
225-230	0.53	0.058		
230-235	0.35 25' .53	0.008		
235-240	0.45	0.008	ND	1
240-245	0.69	0.007		
245-250	0.62	0.007		
250-255	0.26	0.026		
255-260	0.26 15' .23	0.019		
260-265	0.17	0.010		
265-270	0.44	0.001		
270-275	0.31 10' .30	0.004	ND	1
275-280	0.25	0.012		
280-285	0.25 10' .25	0.024		
285-290	0.39	0.058		
290-295	0.35	0.022		
295-300 (300)	0.35	0.009 .360	.0143 .0344	330
300-305	0.39 40' .35	0.040		
305-310	0.32	0.014		
310-315	0.29	0.012		
315-320	0.31	0.015	ND	1
320-325	0.36	0.011		
325-330	0.19	0.008		
330-335	0.23	0.010		
335-340	0.29	0.037		

ASSAY INFORMATION
DDH #3

Interval	%Cu	%MoS2	Au	ppm Ag
340-345	0.18	0.003)		
345-350	0.21	0.016)		
350-355	0.26	0.031)		
355-360	0.32 60' .26	0.029)	ND	1
360-365	0.26	0.010)		
365-370	0.34	0.062)		
370-375	0.23	0.006)		
375-380	0.29	0.028)		
380-385	0.28	0.011)		
385-390	0.46 .56	0.049)		
390-395	0.76 15'	0.129)	ND	2
395-400	0.45	0.025)		
400-405	0.36	0.002)		
405-410	0.36	0.078)		
410-415	0.21 35' .33	0.001) .320 .0076		
415-420	0.32	0.011)		
420-425	0.38	0.003)		
425-430	0.41	0.009)		
430-435	0.30	0.006)	ND	2
435-440	0.49 .42	0.005)		
440-445	0.37 20'	0.027)		
445-450	0.42	0.008)		
450-455	0.41	0.002)		
455-460	0.31	0.004)		
460-465	0.39 10' .35	0.014)		
465-470	0.26	0.004)		
470-475	0.25 20' .27	0.0002)		
475-480	0.27	0.005)		
480-485	0.29	0.003)		
485-490	0.31	0.001)	-1	2
490-495	0.35 10' .33	0.005)		
495-500	0.28	0.044)		
500-505	0.28	0.008)		
505-510	0.27	0.003)		
510-515	0.25	0.001)		

Interval	%Cu	%MoS2	Au	ppm Ag
515-520	0.41	0.003)		
520-525	0.28	0.003)		
525-530	0.29 55' .28	0.008)	.330 .0077	
530-535	0.22	0.0002)	ND	2
535-540	0.24	0.0002)		
540-545	0.31	0.0001)		
545-550	0.22	0.0002)		
550-555	0.15	0.002)		
555-560	0.24	0.002)		
560-565	0.17 20' .18	0.001)		
565-570	0.17	0.001)	ND	-1
570-525	0.21	0.006)		
575-580	0.23 10' .22	0.002)		
580-585	0.12	0.001)		
585-590	0.049	0.0002)		
590-595	0.077 20' .08	0.0003)		
595-600	0.076	0.001)	.178	

4 (.322 / .108)

50 - 550 0.325 Cu
0.014 MoS2

95 - 250 155 .37
250 - 385 135 .29
95 - 495 400 .315
385 - 465 80' .35
465 - 550 85' .24
95 - 465 370' .34

#16

PHILLIPS PETROLEUM CO.

Squaw Peak Area

GEOLOGIC LOG

Hole No. DDH 3
Coordinates 7??/ 34
??/ ??E
Type Drill
Bit Size ?X

Sheet No. 1
Date Started 5-31-68
Date Completed 8-2-68
Angle 62±0

Hole Bearing N 67° E
Collar Elevation [illegible]
Total Footage [illegible]
Overall Core Recovery
Logged By I. Million

FROM	TO	FT. OF CORE	TYPE	ROCK DESCRIPTION, ALTERATION AND REMARKS	METALLIZATION	SECTION	DEPTH
0	32	0	Fill	Fill			
32	101	69'	Quartz Diorite	Quartz Diorite, majority of dark minerals have been altered to chlorite: abundant copper oxides (malachite) along fracture planes mainly within upper 30 - 100' of hole: some chalcopyrite and molybdenite upper portion of hole, with greater concentration of sulphides lower portion of hole mainly within thin quartz stringers and disseminated throughout most rock: 10% secondary pink feldspars: a few clusters of fresh unaltered biotite, slight alteration of feldspars: granitoid texture. Specks of native copper at 104'. Excellent sulphide mineralization occurs along minute fissures and/or recemented microscopic fault planes, less than 1/4" in width.			
101							

Hole No. 204 /3

Coordinates

Sheet No. 2

Date Started

Date Completed

Type Drill

Bit Size

PHILLIPS PETROLEUM CO.

SQUAW PEAK AREA

GEOLOGIC LOG

Collar Elevation

Total Footage

Overall Core Recovery

Logged By

FROM	TO	FT. OF CORE	TYPE	ROCK DESCRIPTION, ALTERATION AND REMARKS	METALLIZATION	SECTION DEPTH
		31	Quartz Diorite	Bornite at 1287'		
	132					
132	13[illegible]			Core broken and shattered. Limonite and malachite abundant.		
13[illegible]		[illegible]		Quartz Diorite; granitoid texture. From 142-15[illegible] many minute calcite filled faults have offset the sulphide rich quartz veins. Feldspars partially altered to a hard creamy white clay mineral.		
	15[illegible]					
152			Quartz Diorite	Cont circulation at 150. Quartz Diorite. Slight granitoid texture. Less than 5% secondary pink feldspar. White feldspar have been altered to a light greenish clay mineral. Few quartz veins noted; excellent sulphide mineralization. Cu and Mo disseminated; rock is slightly fractured.		
	[illegible]	24				
17[illegible]			Quartz Diorite	Quartz Diorite, medium greenish grey color, majority of feldspars have been altered to a green clay mineral, moderate fracturing, increasing number of quartz veins, 5 - 10% secondary pink feldspars; black minerals mostly chloritized, and 1 - 3% fresh unaltered biotite; thin barren aplite dike cuts off highly mineralized quartz veins. Aplite dikes comprise 25% of core; excellent chalcopyrite mineralization within quartz veins or disseminated throughout; some molybdenite; quartz flooding at 202'.		
		32				
	20[illegible]					
208				Quartz Diorite, highly altered feldspars give a greenish-grey cast to the rock: core is highly fractured with most of return in bits and pieces: abundant limonite along fracture planes; some malachite; loss of circulation throughout zone.		
		16				
	224					
224				Quartz diorite, greenish-grey in color; feldspars have been highly altered to a greenish clay mineral, moderate fracturing, quartz flooding, increasing % of quartz veins, chalcopyrite disseminated throughout rock along fracture planes and within quartz veins, some MoS_2		
		33				

Hole No. DDH #3

Coordinates

Type Drill

Bit Size NQ to 288

Sheet No. 3

Date Started 5-31-68

Date Completed

PHILLIPS PETROLEUM CO.

Squaw Peak Mine

Yavapai County, Arizona

GEOLOGIC LOG

Collar Elevation

Total Footage

Overall Core Recovery

Logged By

FROM	TO	FT. OF CORE	TYPE	ROCK DESCRIPTION, ALTERATION AND REMARKS	METALLIZATION	SECTION DEPTH
				Quartz Diorite: greenish-grey cast: feldspar highly altered to a greenish clay; core from 247 - 257 is intensely fractured; core recovered as bits and pieces; excellent chalcopyrite mineralization; massive concentration of MoS2 at 243 - 244.5.		
	25					
257			Quartz Diorite	Quartz Diorite: granitoid texture. Orthoclase feldspars have been partially altered, biotite altered to chlorite.		
		31		From 20 - 40% of rock is pink feldspars, sulphide mineralization within quartz veins or disseminated throughout rock: From 266-267 a half the core has been replaced by red pegmatite; large blebs up to 1/2" in diameter of chalcopyrite occur within this zone: numerous calcite veinlets throughout zone, in places rock approaches a granodiorite.		
	288					
288		9		Quartz Diorite, highly altered, greenish-grey color feldspars altered to an apple green color, excellent sulphide mineralization.		
	297		Quartz Diorite			
297		7		Granodiorite, granitoid, pinkish, pink feldspars consist 70% of total feldspars, slightly fractured, few quartz veinlets.		
	305					
305		21		Quartz Diorite, apple green color, feldspars have been altered to a greenish clay mineral, biotite altered to chlorite, excellent sulphide mineralization, some fresh unaltered biotite, core is moderate fractured.		
	326		Quartz Diorite			
325				Granite: pink to flesh color, moderate fracturing, pink feldspars comprise about 60% of rock, dark minerals partially altered to chlorite, chalcopyrite within thin quartz veins, or disseminated throughout rock, a portion of the rock from 326 to 366 approaches a granodiorite.		
		40				
			Granite			

Hole No. DDH #3

Coordinates

Type Drill

Bit Size

Sheet No. 4

Date Started

Date Completed

PHILLIPS PETROLEUM CO.

Squaw Peak Mine

GEOLOGIC LOG

Collar Elevation

Total Footage

Overall Core Recovery

Logged By I. Million

FROM	TO	FT. OF CORE	TYPE	ROCK DESCRIPTION, ALTERATION AND REMARKS	METALLIZATION	SECTION DEPTH
	366					
365				Granodiorite, yellowish-green, feldspars have been altered to a greenish clay mineral, dark minerals entirely altered to chlorite; large blebs of MoS_2 at 368; large blebs of chalcopyrite and MoS_2 from 391 to 395: increasing percentage of quartz either through quartz veins or quartz flooding, some of the rock through this zone approaches a Diorite: sulphide mineralization occurs within quartz veins, along fracture planes or disseminated throughout rock.		
		52	granodiorite			
	423			From 414 to 417 the rock approaches a granite.		
423			granite	Granite, dark red to blackish red, moderate fracturing, porphyritic, a few thin zones approach a diorite.		
443			granodiorite	Granodiorite, light pinkish green to yellow green, feldspars have been partially altered to a green clay mineral.		
		18				
	461					
461				Clay, light to dark grey (Granitic rock through this zone has been entirely altered to clay) poor mineralization, a few pieces of quartz throughout fault zones, is only evidence of granitic rock		
		50	fault core			

Hole No. [illegible]3

Coordinates

Sheet No. 5

Date Started

Date Completed

Type Drill

Bit Size

PHILLIPS PETROLEUM CO.

Squaw Peak Mine

GEOLOGIC LOG

Collar Elevation

Total Footage

Overall Core Recovery

Logged By J. Million

FROM	TO	FT. OF CORE	TYPE	ROCK DESCRIPTION, ALTERATION AND REMARKS	METALLIZATION	SECTION DEPTH
			fault gouge			
				Granite, light green to greenish pink, highly altered, biotite has been completely altered to chlorite, feldspars altered to a green clay mineral, abundant quartz flooding, decreasing quartz veins calcite filled veinlets; chalcopyrite and some molybdenite disseminated in rock, within quartz veins or along fracture plane, rock may approach a granodiorite at places. 2% fresh biotite, calcite veinlets, aplite dike at 597.3'.		
		90	altered granite			

ASSAY INFORMATION
DDH #3

Interval	%Cu	%MoS_2	Au	ppm Ag
32 - 40	0.15	0.0003		
40 - 45	0.25	0.004		
45 - 50	0.15	0.0005		
50 - 55	0.41	0.019		
55 - 60	0.21	0.017	ND	1
60 - 65	0.15	0.002		
65 - 70	0.23	0.001		
70 - 75	0.37	0.003		
75 - 80	0.17	0.002		
80 - 85	0.24	0.002	ND	-1
85 - 90	0.26	0.001		
90 - 95	0.21	0.006		
95 -100	0.35	0.006		
100 -105	0.56	0.004		
105 -110	0.28	0.001	ND	1
110 -115	0.21	0.003		
115 -120	0.30	0.009		
120 -125	0.34	0.006		
125 -130	0.33	0.006		
130 -135	0.37	0.003		
135 -140	0.35	0.003	ND	1
140 -145	0.27	0.001		
145 -150	0.25	0.007		
150 -155	0.33	0.022		
155 -160	0.85	0.023		
160 -165	0.39	0.029	ND	1
165 -170	0.26	0.003		
170 -175	0.40	0.092		
175 -180	0.31	0.006		
180 -185	0.29	0.006		
185 -190	0.30	0.004		
190 -195	0.35	0.020		

Interval	%Cu	%MoS_2	Au	ppm Ag
195-200	0.34	0.008		
200-205	0.30	0.008	ND	1
205-210	0.35	0.006		
210-215	0.47	0.011		
215-220	0.22	0.003		
220-225	0.29	0.006		
225-230	0.53	0.058		
230-235	0.35	0.008		
235-240	0.45	0.008	ND	1
240-245	0.69	0.007		
245-250	0.62	0.007		
250-255	0.26	0.026		
255-260	0.26	0.019		
260-265	0.17	0.010		
265-270	0.44	0.001		
270-275	0.31	0.004	ND	1
275-280	0.25	0.012		
280-285	0.25	0.024		
285-290	0.39	0.058		
290-295	0.35	0.022		
295-300	0.35	0.009		
300-305	0.39	0.040		
305-310	0.32	0.014		
310-315	0.29	0.012		
315-320	0.31	0.015	ND	1
320-325	0.36	0.011		
325-330	0.19	0.008		
330-335	0.23	0.010		
335-340	0.29	0.037		

ASSAY INFORMATION
DDH #3

Interval	%Cu	%MoS2	Au	ppm Ag
340-345	0.18	0.003		
345-350	0.21	0.016		
350-355	0.26	0.031		
355-360	0.32	0.029	ND	1
360-365	0.26	0.010		
365-370	0.34	0.062		
370-375	0.23	0.006		
375-380	0.29	0.028		
380-385	0.28	0.011		
385-390	0.46	0.049		
390-395	0.76	0.129	ND	2
395-400	0.45	0.025		
400-405	0.36	0.002		
405-410	0.36	0.078		
410-415	0.21	0.001		
415-420	0.32	0.011		
420-425	0.38	0.003		
425-430	0.41	0.009		
430-435	0.30	0.006	ND	2
435-440	0.49	0.005		
440-445	0.37	0.027		
445-450	0.42	0.008		
450-455	0.41	0.002		
455-460	0.31	0.004		
460-465	0.39	0.014		
465-470	0.26	0.004		
470-475	0.25	0.0002		
475-480	0.27	0.005		
480-485	0.29	0.003		
485-490	0.31	0.001	-1	2
490-495	0.35	0.005		
495-500	0.28	0.044		
500-505	0.28	0.008		
505-510	0.27	0.003		
510-515	0.25	0.001		

Interval	%Cu	%MoS2	Au	ppm Ag
515-520	0.41	0.003		
520-525	0.28	0.003		
525-530	0.29	0.008		
530-535	0.22	0.0002	ND	2
535-540	0.24	0.0002		
540-545	0.31	0.0001		
545-550	0.22	0.0002		
550-555	0.15	0.002		
555-560	0.24	0.002		
560-565	0.17	0.001		
565-570	0.17	0.001	ND	-1
570-525	0.21	0.006		
575-580	0.23	0.002		
580-585	0.12	0.001		
585-590	0.049	0.0002		
590-595	0.077	0.0003		
595-600	0.076	0.001		

50 - 550 0.325 Cu
0.014 MoS2

DIAMOND DRILL LOG

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH 763 BEARING _____ INCLINATION _____

HOLE No. DDH 4 SHEET _____ OF _____

PROPERTY _____ COUNTY _____ STATE _____

COLLAR COORD. N. _____ E. _____

COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
				100			112 : "old granite" bt, chlor		feldspars white to pink	
				200					str. chlor, Kspar? local green feldspar	
				300						
				400						
							450 : 8" q-epid vn.		"	
				500						
							typical			
				600					green + red feldspars	
				700						

dd h - 4

ASSAY INFORMATION

10/63

Interval	% Cu	% Mo	% MoS_2
0 - 10	0.08	0.0011	
20 - 25	0.06	0.0006	
25 - 30	0.06	0.0015	
30 - 35	0.13	0.0016	
35 - 40	0.11	0.0016	
40 - 45	0.08	0.0019	
45 - 50	0.09	0.0010	
50 - 55	0.07	0.0008	
55 - 60	0.20	0.0016	
60 - 65	0.22	Nil	
65 - 70	0.13	Nil	
70 - 75	0.12	0.0001	
75 - 80	0.10	0.0081	
80 - 85	0.10	Nil	
85 - 90	0.11	0.0004	
90 - 95	0.14	0.0018	
95 - 100	0.18	0.0029	
100 - 105	0.24	0.0003	
105 - 110	0.12	0.0010	
110 - 115	0.18	Nil	
115 - 120	0.20	0.0003	
120 - 125	0.08	Nil	
125 - 130	0.12	0.0003	
130 - 135	0.14	0.0003	
135 - 140	0.90	0.0013	
140 - 145	0.21	0.0010	
145 - 150	0.05	Nil	
150 - 155	0.07	0.0015	
155 - 160	0.06	0.0004	
160 - 165	0.09	0.0030	
165 - 170	0.07	0.0015	
170 - 175	0.07	0.001	
175 - 180	0.26	0.043	0.072
180 - 185	0.08	0.010	
185 - 190	0.34	0.001	
190 - 195	0.07	0.001	
195 - 200	0.01	0.004	
200 - 205	0.02	0.014	0.023
205 - 210	0.10	0.0005	
210 - 215	0.05	0.0002	
215 - 220	0.06	0.0005	
220 - 225	0.08	0.0029	
225 - 230	0.07	0.0025	
230 - 235	0.05	0.0106	0.018
235 - 240	0.12	0.041	0.068
240 - 245	0.42	0.0074	0.012
245 - 250	0.08	0.0134	0.022
250 - 255	0.31	0.004	
255 - 260	0.88	0.056	0.094
260 - 265	0.02	0.0016	
265 - 270	0.13	0.058	0.10
270 - 275	0.09	0.0065	
275 - 280	0.08	0.0243	0.041
280 - 285	0.05	0.0022	
285 - 290	0.04	0.0010	
290 - 295	0.03	0.0069	
295 - 300	0.02	0.0035	
300 - 305	0.11	0.0080	
305 - 310	0.02	0.0057	
310 - 315	0.01	0.0114	
315 - 320	0.02	0.0055	
320 - 325	0.14	0.0067	
325 - 330	0.09	0.0069	
330 - 335	0.04	0.0181	0.030
335 - 340	0.01	0.0010	
340 - 345	0.06	0.0042	
345 - 350	0.02	0.0033	
350 - 355	0.05	0.0036	
355 - 360	0.07	0.0023	
360 - 365	0.05	0.0015	
365 - 370	0.08	0.0111	0.019
370 - 375	Nil	0.0058	
375 - 380	0.01	Nil	
380 - 385	0.15	0.0022	
385 - 390	0.16	0.0018	
390 - 395	0.10	0.0026	
395 - 400	0.01	0.0004	
400 - 405	0.20	0.0039	
405 - 410	0.03	0.0028	
410 - 415	0.02	0.0032	

ddh - 4

ASSAY INFORMATION

Interval	% Cu	% Mo	% MoS_2
415 - 420	0.11	Nil	
420 - 425	0.15	0.0177	0.030
425 - 430	0.05	0.0062	
430 - 435	0.15	0.0043	
435 - 440	0.06	0.0017	
440 - 445	0.01	0.0020	
445 - 450	0.04	0.0090	
450 - 455	0.19	0.027	0.045
455 - 460	0.27	0.030	0.050
460 - 465	0.01	0.013	0.022
465 - 470	0.01	0.0044	
470 - 475	0.01	0.0028	
475 - 480	0.01	0.0022	
480 - 485	0.23	0.0060	
485 - 490	0.04	0.0059	
490 - 495	0.01	0.0064	
495 - 500	0.07	0.095	0.016
500 - 505	0.07	0.0042	
505 - 510	0.05	0.0115	0.019
510 - 515	0.02	0.035	0.058
515 - 520	0.03	0.010	0.017
520 - 525	0.14	0.029	0.048
525 - 530	0.02	0.0026	
530 - 535	0.04	0.0069	
535 - 540	0.01	Nil	
540 - 545	0.06	0.0025	
545 - 550	0.03	Nil	
550 - 555	0.05	0.0155	0.026
555 - 560	0.10	0.0007	
560 - 565	0.01	Nil	
565 - 570	0.03	0.0004	
570 - 575	0.28	0.0061	
575 - 580	0.11	0.036	0.061
580 - 585	0.14	0.0069	
585 - 590	0.83	0.081	0.135
590 - 595	1.00	0.036	0.060
595 - 600	0.86	0.0141	0.024
600 - 602	0.06	0.0010	
605 - 610	Nil	0.0003	
610 - 615	0.01	0.0002	

Interval	% Cu	% Mo	% MoS_2
615 - 620	0.03	0.0044	
620 - 625	0.09	0.0243	0.041
625 - 630	0.12	0.0082	
630 - 635	0.20	0.0009	
635 - 640	0.50	0.0018	
640 - 645	0.25	0.0008	
645 - 650	0.67	0.0006	
650 - 655	0.74	0.0012	
655 - 660	0.18	0.0005	
660 - 665	0.18	0.0008	
665 - 670	0.08	Nil	
670 - 675	0.01	0.0004	
675 - 680	0.01	0.0009	
680 - 685	Nil	Nil	
685 - 690	Nil	0.0035	
690 - 695	Nil	Nil	
695 - 700	0.01	0.0003	
700 - 705	Nil	Nil	
705 - 710	0.01	Nil	
710 - 715	Nil	0.0016	
715 - 720	0.01	0.0030	
720 - 725	0.01	0.0015	
725 - 730	Nil	0.0004	
730 - 735	Nil	Nil	
735 - 740	0.01	0.0006	
740 - 745	Nil	0.0005	
745 - 750	Nil	0.0013	
750 - 755	0.01	Nil	
755 - 760	0.01	Nil	
760 - 763	0.01	Nil	

0 - 665' @ 0.138

DIAMOND DRILL LOG

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH 690 BEARING _____ INCLINATION _____

HOLE No. DDH 5 SHEET _____ OF _____

PROPERTY _____ COUNTY _____ STATE _____

COLLAR COORD. N. _____ E. _____

COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
										PEgd
				100			107-115: Kspar repl? plag	wk sulfides in q vns, mostly py	± Kspar (2ndary?) chlor. repl. mafics poss. rel'd to fault at 105'	
				200						
								some wk disem sul.	feldspars green to pink where Kspar flooded mafics → chlor.	
				300			typical			
								good sulfides only locally, in q-ser(?) vns,	local 2ndary Kspar(?) asso. w/ q vns	
				400						
								some clay-seric(?) alt'n asso w/ vns – appears superimposed on Kspar flooding	✱	
				500				v. wk. min'l'n – vns.	Kspar dominant	P.S.
								sulfide min. confined to q-cp-py-mb vns	local clay-ser(?) alt. asso w/ shrng	
				600						

ASSAY INFORMATION
DDH #5

Interval	%Cu	%MoS_2	Au	ppm Ag
1 - 5	0.12	0.0006		
5 - 10	0.11	0.0002	0.00044	
10 - 15	0.11	0.0002		
15 - 20	0.09	0.0003		
20 - 25	0.13	0.0010	ND	ND
25 - 30	0.14	0.0006		
30 - 35	0.10	0.0009	1-15	
35 - 40	0.28	0.0002	74' .13	13 / 15|193 / 15 / 43
40 - 45	0.16	0.0002		
45 - 50	0.08	0.0002		
50 - 55	0.13	0.0006		
55 - 60	0.06	0.0008		
60 - 65	0.15	0.0014		
65 - 70	0.17	0.0008	0.0019	
70 - 75	0.10	0.0127		
75 - 80	0.06	0.0006	ND	ND
80 - 85	0.07	0.0006	15' .06	3|18
85 - 90	0.05	0.0016		
90 - 95	0.29	0.0033		
95 - 100	0.45	0.0155	15' .37	37 / 3|110 / 20
100 - 105	0.36	0.0028		
105 - 110	0.05	0.0002		
110 - 115	0.03	0.0003		
115 - 120	0.02	Nil		
120 - 125	0.17	0.0238	ND	ND
125 - 130	0.07	0.0007		
130 - 135	0.09	Nil	0.0035	
135 - 140	0.04	0.0058		
140 - 145	0.02	0.0008	105-220	
145 - 150	0.06	0.0006		
150 - 155	0.03	0.0002	115' .06	
155 - 160	0.06	0.0008		
160 - 165	0.13	0.0032		
165 - 170	0.06	0.0032		
170 - 175	0.12	0.0037	ND	ND
175 - 180	0.05	0.0058		
180 - 185	0.05	0.0047	0.0033	63 / 28|144 / 138 / 60
185 - 190	0.08	0.0028		
190 - 195	0.05	0.0043		
195 - 200	0.04	0.0040		
200 - 205	0.05	0.0015		
205 - 210	0.04	0.0018		
210 - 215	0.07	0.0060		
215 - 220	0.06	0.0028		
220 - 225	0.26	0.0092		
225 - 230	0.18	0.0305	220-240	
230 - 235	0.21	0.0205	20 .22	
235 - 240	0.22	0.0055	0.0109	22 / 4|87 / 18
240 - 245	0.12	0.0008		
245 - 250	0.13	0.0309	240-260	4|49
250 - 255	0.08	0.0032	20' .12	
255 - 260	0.16	0.0040		
260 - 265	0.09	0.0048		
265 - 270	0.06	0.0047	~0.0028	
270 - 275	0.09	0.0025	ND	ND
275 - 280	0.05	0.0008		
280 - 285	0.04	0.0002		
285 - 290	0.06	0.0028		06 / 19|122 / 114 / 80
290 - 295	0.11	0.0048	260-315	
295 - 300	0.03	0.0003	95' .06	
300 - 305	0.06	0.0032		
305 - 310	0.04	Nil		
310 - 315	0.08	0.0032		
315 - 320	0.04	Nil		
320 - 325	0.04	0.0018	ND	ND
325 - 330	0.06	Nil		
330 - 335	0.06	0.0012	0.0011	
335 - 340	0.09	0.0003		
340 - 345	0.02	0.0006		
345 - 350	0.09	0.0003		
350 - 355	0.11	0.0009		
355 - 360	0.20	0.0055		
360 - 365	0.25	0.10	10' .23	
365 - 370	0.16	0.0002		
370 - 375	0.02	0.0006	0.0115	
375 - 380	0.03	Nil	ND	1
380 - 385	0.04	0.0025		
385 - 390	0.05	0.0009	365-415	
390 - 395	0.03	0.0042		10|47
395 - 400	0.03	0.0003	50' .05	
400 - 405	0.02	0.0012		
405 - 410	0.02	0.0018		
410 - 415	0.07	0.0017		
415 - 420	0.20	0.0018	ND	ND
420 - 425	0.24	0.0012	10' .22	
425 - 430	0.06	0.0009		
430 - 435	0.03	0.0073	0.0062	
435 - 440	0.06	0.0242		
440 - 445	0.08	0.0092		
445 - 450	0.04	0.0127	425-540	
450 - 455	0.01	0.0002	120' .04	
455 - 460	0.02	0.0003		

1-245' @ 0.10

ASSAY INFORMATION
DDH #5

Interval	%Cu	%MoS_2	Au	ppm Ag
460 - 465	0.13	0.10		
465 - 470	0.02	0.0022		
470 - 475	0.02	0.0003	0.0115	
475 - 480	0.02	Nil		
480 - 485	0.03	0.0003		
485 - 490	0.02	Nil		
490 - 495	0.02	0.0004		
495 - 500	0.02	0.011		
500 - 505	0.01	0.0014		
505 - 510	0.03	0.0003		
510 - 515	0.02	0.0008		
515 - 520	0.02	0.0003		
520 - 525	0.04	0.0082	0.0107	
525 - 530	0.14	0.09		
530 - 535	0.06	0.0006	ND	ND
535 - 540	0.06	0.0003		
540 - 545	0.02	0.0042		
545 - 550	0.11	0.0008		
550 - 555	0.20	0.0125		
555 - 560	0.14	0.0083		
560 - 565	0.07	0.0058		
565 - 570	0.03	0.0127		
570 - 575	0.03	0.0055	0.00715	
575 - 580	0.01	0.0038	ND	ND
580 - 585	0.01	0.0023		
585 - 590	0.01	0.0008		
590 - 595	0.03	0.0173		
595 - 600	0.03	0.0025		
600 - 605	0.04	0.0018		
605 - 610	0.06	0.0082		
610 - 615	0.01	0.0016		
615 - 620	0.03	0.0022		
620 - 625	0.01	0.0018	ND	ND
625 - 630	Nil	0.0003		
630 - 635	0.01	Nil	0.00214	
635 - 640	0.04	0.0053		
640 - 645	0.02	Nil		
645 - 650	0.04	0.0002		
650 - 655	Nil	0.0012		
655 - 660	Nil	0.0009		
660 - 665	0.30	0.0517		
665 - 670	0.08	0.019		
670 - 675	0.15	0.026	ND	1
675 - 680	0.05	0.005		
680 - 685	0.01	0.0022	~~0.0110~~ 0.0138	
685 - 690	0.01	0.0043		

1-425' @ 0.10
~~0-424'~~

15' .02

DIAMOND DRILL LOG

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH 862 BEARING _____ INCLINATION _____

HOLE No. DDH 6 SHEET _____ OF _____

PROPERTY _____ COUNTY _____ STATE _____

COLLAR COORD. N. _____ E. _____

COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
										PEgd
				50					feldspars white, locally greenish	48-55 : qmp(?)
				100			typical			
				150						
								good sulfides, cp>py mostly in vns, but also dism	feldspars white to pinkish tan	
				200				good sulfides, mostly in vns	feldspars white, greenish to tan	
				250				dism cp, py, bn	feldspars white to lt. green, much silicification, dark groundmass	P.S.
				300				307: q-py-Kspar vn cuts q-cp vn.	less intense alt'n — good sul. in fracs. wk calc. in vns. local strong silic, Kspar(?), 2ndary? bt.	
				350						
				400					Numerous Kspar dikelets, v. similar to sample 329	
				450				sulfides in vns + in bt-rich pods	feldspars white to pale green local introduced Kspar bt appears fresh	
				500						

DIAMOND DRILL LOG

HOLE No. _____ SHEET _____ OF _____

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH _____ BEARING _____ INCLINATION _____

PROPERTY _____ COUNTY _____ STATE _____ COLLAR COORD. N. _____ E. _____ COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
							local Kspar flooding	good cpy py in vnlts + in w.r.	w.r. alt. of pink feldspar, most feldspr green + white	
				550				py > cp, mostly in vns.	fairly consistent Kspar? flooding	
				600					feldspars prim white to green, ~10% pink	
				650						
				700					potassic(?) shiny black bt, 2ndary pink feldspar	717 - 720(?) gmp?
				750						
				800				weak min'lization, vnlts.	much pink feldspar (interstitial) primary feldspar white to very green. potassic?	gmp?
				850			much Kspar			

DIAMOND DRILL LOG

SCALE 1"=50' | STARTED 2-26-69 | STOPPED 3-18-69 | NOTES BY JKJ 9-19-73, 9-20-73

DEPTH 862' | BEARING | INCLINATION Vertical

HOLE No. 6 | SHEET 1 OF 2

PROPERTY SQUAW PEAK | COUNTY YAVAPAI | STATE AZ

COLLAR COORD. N. 9366.93 E. 6065.93 | COLLAR ELEV. 4412.11

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
				0			0-10' NO CORE			
								Rusty brown FeOx on fractures, traces CuOx, weak sulfides	Most femic chloritized, feldspar partly soft pale green to white	Granodiorite?
							35' trace cuprite			
				50						47' Qmp dike? 51'
							69 strong FeOx, rusty brown. 73 Specimen 82'	73' Minor FeOx, fair to good fine dissem. CuFeS2, kesterite, a little MoS2 with occas. qtz veinlets.	73' Femics only partly altered to chlorite, feldspar in part soft gray green	65' several feet Qmp?
							92' qtz ortho, CuFeS2, MoS2 veinlets			
				100			Specimen 118' - Very good dissem. CuFeS2		111' In part same as above but locally much pink K-spar	
									138' much of feldspar pale green, soft, all femic altered to chlorite.	
				150				160' to 170' persistent dissem. CuFeS2 but weaker than above. Local dissem MoS2, scattered quartz veinlets.		
									197' soft white, strong clay alteration	
				200					213 weakly altered, femic only part chlor, most feldspar bright, fair amt K-spar.	
							Specimen 228'			
				250					245' feldspar pale gray green, soft to white k. a. d. femic in part black, in part altered to chlorite. weak to moderate alteration - clay?	
										294 finer grained mine 299 distinctly porphyritic
				300						
							Specimen 324'			
				350					360 Moderate clay alt, femics tan, feldspar in part white chalky	
									386 femic black to partly chloritized. feldspar mostly bright, fair amt pink orthoclase	
				400					413' Same as above but very little pink orthoclase	
									440 strongly clay alt, crumbly.	
				450					462 femic in part black, in part alt to chlorite, feldspar in part bright, in part chalky, a little pink orthoclase	
				500						

DIAMOND DRILL LOG

HOLE No. 6 SHEET 2 OF 2

SCALE 1"=50' STARTED ____ STOPPED ____ NOTES BY JKJ 9-20-73

DEPTH ____ BEARING ____ INCLINATION ____

PROPERTY SQUAW PEAK COUNTY ____ STATE ____ COLLAR COORD. N. ____ E. ____ COLLAR ELEV. ____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH 500	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYBE
				550			Specimen 574'	509 Weak but persistent disseminated FeS_2, very weak Cu FeS_2.	508 Much feldspar chalky all femic altered to chlorite	no contact relationships observed, may be texture variation - or intrusive
				600			Specimen 597'	618± Weak persistent Cu FeS_2, lesser FeS_2, MoS_2.	538 Feldspar mostly bright, femic only partly altered to chlorite	539 Qtz monzonite porphyry?
				650			Specimen 646'		589 Short intervals mod to strong clay alt., some similar to above.	618± 5086 feet distinctly porphyritic, probably a porphyry with sparse relatively coarse groundmass
				700			Specimen 685'		627' Femic partly altered to chlorite, feldspar in part bright, fair amount orthoclase may be secondary	Similar rock called porphyritic granodiorite in hole 1
				750					681 Abundant orthoclase femic alt. to chlorite	
				800				Mineralization gradually weakens at depth.	699 All feldspar cream, chalky soft	
				850			Specimen 847'		716 Similar to 681-699 - occas. short intervals adjacent to dacite units most feldspar soft olive green.	
									800± Orthoclase gradually decreases - fairly fresh looking rock.	855± More equigranular texture
							862' BOTTOM.			

DDH #6

ASSAY INFORMATION

Elev. 4472.11

Interval	% Cu		% MoS_2	
0 - 5	0.51		0.025	
5 - 10	0.63		0.007	
10 - 15	0.34		0.022	
15 - 20	0.49		0.017	
20 - 25	0.69		0.011	
25 - 30	0.40		0.013	
30 - 35	0.12		0.004	
35 - 40	0.15		0.003	
40 - 45	0.18		0.007	
45 - 50	0.14		0.003	
50 - 55	0.28		0.008	
55 - 60	0.43		0.031	
60 - 65	0.40		0.022	
44 65 - 70	0.40	.369	0.028	.0144
70 - 75	0.41		0.021	
75 - 80	0.35		0.021	
80 - 85	0.55		0.057	
85 - 90	0.65		0.037	
90 - 95	0.52		0.043	
95 - 100	0.54		0.022	
100 - 105	0.27		0.024	
105 - 110	0.24		0.025	
110 - 115	0.43		0.078	
115 - 120	0.84		0.143	
120 - 125	0.41		0.010	
125 - 130	0.83		0.039	
130 - 135	0.44		0.024	
135 - 140	0.35		0.014	
140 - 145	0.38		0.016	
145 - 150	0.48		0.058	
150 - 155	0.53		0.085	
155 - 160	0.30		0.033	
160 - 165	0.36		0.022	
43 165 - 170	0.40	.464	0.008	.0390
170 - 175	0.30		0.023	
175 - 180	0.19		0.005	
180 - 185	0.22		0.019	
185 - 190	0.14		0.013	
190 - 195	0.29		0.010	
195 - 200	0.65		0.185	
200 - 205	0.28		0.010	
205 - 210	0.28		0.049	
210 - 215	0.33		0.012	
215 - 220	0.10		0.012	
220 - 225	0.28		0.004	
225 - 230	0.25		0.016	
230 - 235	0.22		0.039	
235 - 240	0.22		0.005	
240 - 245	0.22		0.006	
245 - 250	0.24		0.005	
250 - 255	0.27		0.003	
255 - 260	0.29		0.003	
260 - 265	0.31		0.004	
42 265 - 270	0.26	.267	0.007	
270 - 275	0.39		0.006	
275 - 280	0.30		0.007	
280 - 285	0.40		0.016	
285 - 290	0.23		0.001	
290 - 295	0.30		0.016	
295 - 300	0.12		0.003	
300 - 305	0.29		0.013	
305 - 310	0.33		0.011	
310 - 315	0.32		0.005	
315 - 320	0.50		0.015	
320 - 325	0.32		0.032	
325 - 330	0.36		0.004	
330 - 335	0.62		0.015	
335 - 340	0.28		0.005	
340 - 345	0.23		0.028	
345 - 350	0.43		0.042	
350 - 355	0.29		0.009	
355 - 360	0.27		0.010	
360 - 365	0.35		0.013	
41 365 - 370	0.32	.333	0.013	.0132
370 - 375	0.21		0.024	
375 - 380	0.34		0.049	
380 - 385	0.20		0.013	
385 - 390	0.22		0.012	
390 - 395	0.23		0.015	
395 - 400	0.18		0.004	
400 - 405	0.23		0.009	
405 - 410	0.18		0.003	
410 - 415	0.17		0.012	
415 - 420	0.22		0.034	
420 - 425	0.19		0.010	
425 - 430	0.20		0.016	
430 - 435	0.13		Trace	
435 - 440	0.20		0.010	
440 - 445	0.23		0.003	
445 - 450	0.24		0.004	
450 - 455	0.28		0.003	
455 - 460	0.34		0.006	
460 - 465	0.62		0.029	
465 - 470	0.16		0.006	
470 - 475	0.15		0.005	
475 - 480	0.13		0.006	
480 - 485	0.27		0.022	
485 - 490	0.18		0.012	
490 - 495	0.23		0.003	
495 - 500	0.28		0.013	
500 - 505	0.28		0.004	
505 - 510	0.16		0.002	

DDH #6

ASSAY INFORMATION

Interval	% Cu	% MoS_2
510 - 515	0.24	0.007
515 - 520	0.11	0.010
520 - 525	0.16	0.005
525 - 530	0.26	0.012
530 - 535	0.22	0.005
535 - 540	0.17	0.007
540 - 545	0.12	0.029
545 - 550	0.15	0.012
550 - 555	0.07	0.004
555 - 560	0.14	0.008
560 - 565	0.16	0.012
565 - 570	0.12	0.004
570 - 575	0.16	0.005
575 - 580	0.11	0.002
580 - 585	0.10	0.008
585 - 590	0.20	0.004
590 - 595	0.20	0.010
595 - 600	0.10	0.019
600 - 605	0.06	0.003
605 - 610	0.05	Nil
610 - 615	0.06	0.003
615 - 620	0.14	0.015
620 - 625	0.16	0.010
625 - 630	0.12	0.004
630 - 635	0.16	0.003
635 - 640	0.19	0.003
640 - 645	0.13	0.006
645 - 650	0.17	0.014
650 - 655	0.21	0.030
655 - 660	0.21	0.026
660 - 665	0.22	0.022
665 - 670	0.25	0.032
670 - 675	0.20	0.006
675 - 680	0.16	0.013
680 - 685	0.12	0.018
685 - 690	0.09	0.024
690 - 695	0.10	0.013
695 - 700	0.06	0.004
700 - 705	0.07	0.002
705 - 710	0.12	Trace
710 - 715	0.13	0.004
715 - 720	0.10	0.002
720 - 725	0.10	0.008
725 - 730	0.06	0.006
730 - 735	0.11	0.008
735 - 740	0.15	0.021
740 - 745	0.10	0.094
745 - 750	0.03	0.044
750 - 755	0.03	Trace
755 - 760	0.02	Trace
760 - 765	0.03	0.006
765 - 770	0.05	0.006
770 - 775	0.02	Trace
775 - 780	0.04	0.002
780 - 785	0.04	Trace
785 - 790	0.03	Trace
790 - 795	0.02	Nil
795 - 800	0.01	Trace
800 - 805	0.01	Trace
805 - 810	0.02	0.003
810 - 815	0.08	0.004
815 - 820	0.07	0.004
820 - 825	0.04	0.002
825 - 830	0.02	Nil
830 - 835	0.01	Nil
835 - 840	0.01	Trace
840 - 845	0.01	Trace
845 - 850	0.01	Nil
850 - 855	0.01	Trace
855 - 860	0.01	0.002
860 - 862	0.01	Nil

DDH #6

Intervals Averaged

Interval	% Cu	% MoS_2	
0 - 30	0.51	0.0158	
30 - 50	0.15	0.004	
50 - 155	0.46	0.038	
(0 - 155)	0.43	0.029	
155 - 200	0.32	0.035	0.47 oz. Ag
200 - 315	0.27	0.011	
315 - 365	0.36	0.017	
365 - 515	0.23	0.012	
515 - 650	0.14	0.005	
650 - 685	0.20	0.021	
685 - 750	0.10	0.012	
750 - 862	0.03	0.002	

DDH #6

ASSAY INFORMATION

15.3 / 4.25 / 21.15 / 2.6 / 14.75 / 3.7 — 5.1 / 6.8 / 2.7 / 9.25 / 13.2 — 8.0 / 11.1 / 17.1 / 2.8 / 3.35 — .357

Interval	% Cu		% MoS_2	
0 - 5	0.51	0-30	0.025	
5 - 10	0.63	30' @	0.007	.016
10 - 15	0.34	0.51% Cu	0.022	=
15 - 20	0.49		0.017	.010%
20 - 25	0.69		0.011	Mo
25 - 30	0.40		0.013	
30 - 35	0.12	30-55'	0.004	
35 - 40	0.15		0.003	
40 - 45	0.18	25' .17% Cu	0.007	.003%
45 - 50	0.14		0.003	Mo
50 - 55	0.28		0.008	
55 - 60	0.43		0.031	
60 - 65	0.40	55-100	0.022	
65 - 70	0.40		0.028	
70 - 75	0.41	45' @	0.021	
75 - 80	0.35	.47% Cu	0.021	
80 - 85	0.55		0.057	.019
85 - 90	0.65		0.037	
90 - 95	0.52		0.043	
95 - 100	0.54		0.022	
100 - 105	0.27	100-110	0.024	
105 - 110	0.24	10' 0.26	0.025	.015
110 - 115	0.43	110-135	0.078	
115 - 120	0.84		0.143	
120 - 125	0.41	25' .59	0.010	.035
125 - 130	0.83		0.039	
130 - 135	0.44		0.024	
135 - 140	0.35	135-145	0.014	
140 - 145	0.38	10' .37	0.016	.009
145 - 150	0.48	145-155	0.058	.043
150 - 155	0.53	10' .51	0.085	
155 - 160	0.30	155-175	0.033	
160 - 165	0.36	20 .34	0.022	.013
165 - 170	0.40		0.008	
170 - 175	0.30		0.023	
175 - 180	0.19	175-190	0.005	
180 - 185	0.22	15' .18	0.019	.007
185 - 190	0.14		0.013	
190 - 195	0.29		0.010	
195 - 200	0.65	190-215	0.185	
200 - 205	0.28	25' .37	0.010	.032
205 - 210	0.28		0.049	
210 - 215	0.33		0.012	
215 - 220	0.10		0.012	
220 - 225	0.28	215-270	0.004	
225 - 230	0.25		0.016	
230 - 235	0.22		0.039	
235 - 240	0.22	55' .24	0.005	.006
240 - 245	0.22		0.006	
245 - 250	0.24		0.005	
250 - 255	0.27		0.003	

0 - 155 155' 0.43 % Cu 0.017% Mo

Interval		% Cu		% MoS_2	
		1.80			
255 - 260		0.29		0.003	
260 - 265		0.31		0.004	
265 - 270		0.26		0.007	
270 - 275		0.39	270-295	0.006	
275 - 280		0.30		0.007	
280 - 285		0.40	25' .32	0.016	
285 - 290		0.23		0.001	
290 - 295		0.30		0.016	
295 - 300		0.12	295-305	0.003	
300 - 305		0.29	10' .21	0.013	
305 - 310		0.33		0.011	
310 - 315		0.32	305-350	0.005	
315 - 320		0.50		0.015	
320 - 325		0.32		0.032	
325 - 330		0.36		0.004	
330 - 335		0.62	45' .38	0.015	
335 - 340		0.28		0.005	
340 - 345		0.23		0.028	
345 - 350		0.43		0.042	
350 - 355		0.29		0.009	
355 - 360	10	0.27	.28	0.010	
360 - 365		0.35		0.013	
365 - 370	10	0.32	.335	0.013	
370 - 375		0.21		0.024	
375 - 380		0.34		0.049	
380 - 385		0.20		0.013	
385 - 390	35	0.22	.23	0.012	
390 - 395		0.23		0.015	
395 - 400		0.18		0.004	
400 - 405		0.23		0.009	
405 - 410		0.18		0.003	
410 - 415		0.17		0.012	
415 - 420		0.22	[redacted]	0.034	
420 - 425	30	0.19	.1817	0.010	
425 - 430		0.20		0.016	
430 - 435		0.13		Trace	
435 - 440		0.20		0.010	
440 - 445		0.23		0.003	
445 - 450	20	0.24	.2375	0.004	
450 - 455		0.28		0.003	
455 - 460		0.34		0.006	
460 - 465	10	0.62	.48	0.029	
465 - 470		0.16		0.006	
470 - 475	15'	0.15	.1467	0.005	
475 - 480		0.13		0.006	
480 - 485		0.27		0.022	
485 - 490		0.18		0.012	
490 - 495		0.23		0.003	
495 - 500	35	0.28	.2313	0.013	
500 - 505		0.28		0.004	
505 - 510		0.16		0.002	

DDH #6

ASSAY INFORMATION

Interval		% Cu		% MoS_2
510 - 515		0.24		0.007
515 - 520		0.11	.135	0.010
520 - 525	10	0.16		0.005
525 - 530		0.26		0.012
530 - 535	10	0.22	.24	0.005
535 - 540		0.17		0.007
540 - 545		0.12		0.029
545 - 550		0.15		0.012
550 - 555		0.07		0.004
555 - 560		0.14		0.008
560 - 565	50	0.16	.13	0.012
565 - 570		0.12		0.004
570 - 575		0.16		0.005
575 - 580		0.11		0.002
580 - 585		0.10		0.008
585 - 590		0.20		0.004
590 - 595	10	0.20	.20	0.010
595 - 600		0.10		0.019
600 - 605		0.06		0.003
605 - 610	20	0.05	.0675	Nil
610 - 615		0.06		0.003
615 - 620		0.14		0.015
620 - 625		0.16		0.010
625 - 630		0.12		0.004
630 - 635	35	0.16	.1529	0.003
635 - 640		0.19		0.003
640 - 645		0.13		0.006
645 - 650		0.17		0.014
650 - 655		0.21		0.030
655 - 660		0.21		0.026
660 - 665		0.22	.218	0.022
665 - 670	25	0.25		0.032
670 - 675		0.20		0.006
675 - 680		0.16		0.013
680 - 685		0.12		0.018
685 - 690		0.09		0.024
690 - 695		0.10		0.013
695 - 700		0.06		0.004
700 - 705		0.07		0.002
705 - 710		0.12		Trace
710 - 715		0.13	.105	0.004
715 - 720	70	0.10		0.002
720 - 725		0.10		0.008
725 - 730		0.06		0.006
730 - 735		0.11		0.008
735 - 740		0.15		0.021
740 - 745		0.10		0.094
745 - 750		0.03		0.044
750 - 755		0.03		Trace
755 - 760		0.02		Trace

Interval		% Cu		% MoS_2
760 - 765		0.03		0.006
765 - 770		0.05		0.006
770 - 775		0.02		Trace
775 - 780		0.04	.0329	0.002
780 - 785	85	0.04		Trace
785 - 790		0.03		Trace
790 - 795		0.02		Nil
795 - 800		0.01		Trace
800 - 805		0.01		Trace
805 - 810		0.02		0.003
810 - 815		0.08		0.004
815 - 820		0.07		0.004
820 - 825		0.04		0.002
825 - 830		0.02		Nil
830 - 835		0.01		Nil
835 - 840		0.01		Trace
840 - 845		0.01		Trace
845 - 850	32	0.01	.01	Nil
850 - 855		0.01		Trace
855 - 860		0.01		0.002
860 - 862		0.01		Nil

DDH #6

Intervals Averaged

Interval	% Cu	% MoS_2	
0 - 30	0.51	0.0158	
30 - 50	0.15	0.004	
50 - 155	0.46	0.038	
(0 - 155)	0.43	0.029	.017% Mo = .034% Mo
155 - 200	0.32	0.035	0.47 oz. Ag
200 - 315	0.27	0.011	
315 - 365	0.36	0.017	
365 - 515	0.23	0.012	
515 - 650	0.14	0.005	
650 - 685	0.20	0.021	
685 - 750	0.10	0.012	
750 - 862	0.03	0.002	

#19

Hole No. DDH #6
Coordinates 8366.93N; 6065.53E
Type Drill L38 Core Drill
Bit Size 4½" R.B.; NQWL

Sheet No. 1
Date Started 2/26/69
Date Completed 3/18/69

Phillips Petroleum Company
Squaw Peak Mine
Yavapai County, Arizona

Collar Elevation 4472.11
Total Footage 862
Overall Core Recovery .988
Logged By MRS

GEOLOGIC LOG

FROM	TO	FT. OF CORE	TYPE	ROCK DESCRIPTION, ALTERATION AND REMARKS	METALLIZATION	ANGLE TO CORE	SECTION	DEPTH
0	10			Rock bitted. Sampled cutting.				
10		34.0		Quartz Diorite. Granitoid texture. Grayish color. Slight to moderate alteration. Mafic minerals range from fresh to completely chloritized with most partially chloritized. Feldspars are clouded with some saussuritization. Oxidized. Mineralization is in both disseminations and veinlets. Scattered malachite.				
	47	(-2)						
47		5.5		More intensely altered zone. 47-54. Mafics to chlorite.				
	54	(-1.5)		Originally more basic unit.				
54		12.0						
	66							
66	72	6.0		Completely oxidized. Quartz Diorite. Bottom of oxidization except in fractures.				
72		19.5		Quartz Diorite. Gray color. Granitoid texture. Slight alteration. Mafics are brown and shiny to slightly chloritized. Feldspars are slightly clouded. Some saussuritized. Good mineralization in disseminations and veinlets. Some good MoS.				
	91.5							
91.5		23.0		Quartz Diorite. Grayish color. Granitoid. Slight to moderate alteration. Mafics moderately chloritized. Felds clouded and some saussuritized. Good mineralization in disseminations and veinlets.				
	114.5			Most plagioclase is saussuritized.				
114.5	119	4.5		Quartz Monzonite. Reddish color. Moderately altered. Well mineralized.				

Hole No. DDH #6 | Sheet No. 2 | Phillips Petroleum Company | Collar Elevation

Coordinates | Date Started | Squaw Peak Mine | Total Footage

Type Drill | Date Completed | Overall Core Recovery

Bit Size | Logged By

GEOLOGIC LOG

FROM	TO	FT. OF CORE	TYPE		ROCK DESCRIPTION, ALTERATION AND REMARKS	METALLIZATION	ANGLE TO CORE	SECTION	DEPTH
119		31.0			Quartz Diorite. Grayish green color. Granitoid texture. Moderately altered. Most mafic minerals are moderate to intensely chloritized. Few brown and shiny. Feldspars clouded with some slight clay alteration. Most plag. has some degree of saussuritization. Less than 5% orthoclase. Well mineralized in both disseminations and veinlets. Numerous well mineralized quartz veinlets.				
	150								
150		49.0			Quartz Diorite. Approaching Quartz Monzonite up to 20-25% orthoclase of total feldspars. Slight to moderate alteration. Mafics are mostly partially chloritized. Few black and shiny and a few completely chloritized. Feldspars clouded. Less mineralization than last unit, but still present in disseminations and veinlets.				
	189								
189		18.0			Quartz Diorite. Greenish gray. Granitoid texture. Moderate to intense alteration. Mafics mostly completely chloritized. Feldspars clouded with some slight clay alteration. Not too well mineralized.				
	207								
207		13.0			Quartz Diorite with up to 15% K-feldspar. Greenish gray color. Moderate alteration. Mafics mostly chloritized. Felds clouded. Fair mineralization.				
	220								
220		21.0			Quartz Diorite with up to 15% orthoclase in spots. Slight alteration. Mafics slightly chloritized or black and shiny. Felds are clouded. Mineralized mostly by veinlets.				
	241								

Hole No. DDH #6 | Sheet No. 3 | Phillips Petroleum Company | Collar Elevation

Coordinates | Date Started | Squaw Peak Mine | Total Footage

Type Drill | Date Completed | Overall Core Recovery

Bit Size | Logged By

GEOLOGIC LOG

FROM	TO	FT. OF CORE	TYPE	ROCK DESCRIPTION, ALTERATION AND REMARKS	METALLIZATION	ANGLE TO CORE	SECTION	DEPTH
241		9.0		Quartz Diorite. Grayish color. Granitoid texture. Slight-moderate alteration. Mafics mostly slightly chloritized. Feldspars clouded and				
	250							
250		13.0		slightly clay altered with some saussuritized. Sparse mineralization. Moderately altered unit (250-263) Mafics mostly all chloritized.				
	263							
263		69.0		Quartz Diorite. Slight-moderate alteration.				
	332							
332		4.5		Highly altered quartz diorite 332-338. Mafics completely to chlorite Felds have some clay alteration.				
	338	(-1.5)						
338		32.0		Quartz Diorite continued. Slight-moderate alteration.				
				Almost all plagioclase is saussuritized.				

Hole No. DDH #6 | Sheet No. 4 | Phillips Petroleum Company | Collar Elevation

Coordinates | Date Started | Squaw Peak Mine | Total Footage

Type Drill | Date Completed | Overall Core Recovery

Bit Size | Logged By

GEOLOGIC LOG

FROM	TO	FT. OF CORE	TYPE		ROCK DESCRIPTION, ALTERATION AND REMARKS	METALLIZATION	ANGLE TO CORE	SECTION	DEPTH
					Quartz Diorite cont.				
	370				From 367-370. Up to 15% K-feldspar.				
370		15.0			Quartz Diorite. Light greenish color. Granitoid. Extremely altered. Mafics completely chloritized. Some to muscovite.				
	385				Feldspars clouded with some clay alteration.				
385		57.0			Quartz Diorite. Granitoid. Grayish color. Slight alteration.				
					Mafics are slightly chloritized. Feldspars are clouded with some saussuritized.				
					K-feldspar flooding 385-393; 405-413.				
					K-feldspar flooding 316-327.				
	442								
442		20.0			Quartz Diorite. Extremely altered. Intensely fractured. Mafics partially chloritized to completely chloritized. Feldspars are clouded to clay altered. Fair mineralization. Unit appears to be in large shear zone.				
462	462 466	4.0			Quartz Diorite - Slight to moderate alteration.				
466		18.0			Quartz Monzonite. Granitoid texture. Slight alteration. Mafics partially chloritized. Feldspars are clouded. Some zones of heavy K-feldspar flooding.				

Hole No. DDH #6 | Sheet No. 5 | Phillips Petroleum Company | Collar Elevation

Coordinates | Date Started | Squaw Peak Mine | Total Footage

Type Drill | Date Completed | Overall Core Recovery

Bit Size | Logged By

GEOLOGIC LOG

FROM	TO	FT. OF CORE	TYPE	ROCK DESCRIPTION, ALTERATION AND REMARKS	METALLIZATION	ANGLE TO CORE	SECTION	DEPTH
	484							
484		13.0		Quartz diorite. Granitoid texture. Grayish color. Slight-moderate alteration. Mafics mostly partially chloritized.				
	497			Some completely chloritized. Feldspars clouded w/some slight clay alteration.				
497		13.0		Quartz Monzonite. Granitoid texture. Slight to moderate alteration.				
				Mafics range from black and shiny to completely chloritized.				
	510			Feldspars clouded with some slight clay alteration.				
510		14.5		Quartz Diorite. Greenish color. Extremely altered. Mafics mostly				
		(-1)		completely chloritized. Feldspars clay altered.				
	526.5	(-1)		Intensely fractured.				
526.5		59.5		Quartz Monzonite. Granitoid texture. Slight to moderate alteration.				
				Mafics partially chloritized. Feldspars clouded. Percentage of				
				K-Feldspar ranges in local zones from 10% - 60%. Poor mineralization.				
				Highly altered zone 555-558.				
				Quartz Diorite composition 547-549.				
	588							
588		9.0		Quartz Diorite. Extremely altered. Greenish color.				
	597			Mafics completely gone to chlorite or muscovite. Feldspar is slight to moderately clay altered. Little mineralization as replacement of mafics.				
597		22.0						

Hole No. DDH #6 | Sheet No. 6 | Phillips Petroleum Company | Collar Elevation

Coordinates | Date Started | Squaw Peak Mine | Total Footage

Type Drill | Date Completed | Overall Core Recovery

Bit Size | Logged By

GEOLOGIC LOG

FROM	TO	FT. OF CORE	TYPE	ROCK DESCRIPTION, ALTERATION AND REMARKS	METALLIZATION	ANGLE TO CORE	SECTION	DEPTH
				Granite. Reddish color. Porphyrytic granitoid texture with (up to ¼ inch) large feldspar phenocrysts. Mafics chloritized and feldspars clouded. Poor mineralization.				
	619			Less K-feldspar. Increasing alteration.				
619	627	8.0		Quartz Diorite. Greenish color. Highly altered. Mafics completely chloritized. Feldspars moderately clay altered. Local zones of K-feldspar flooding.				
627		32.0		Quartz Monzonite grayish color. Slightly altered. Mafics range from black and shiny to partially chloritized. Feldspars are clouded. Fair mineralization. Mostly disseminated cpy. replacing mafic minerals.				
	659							
659	666½	7.5		659-666½ Highly altered quartz monzonite. Mafics completely chloritized, some altered to muscovite.				
666½		14.5		Feldspars partially clay altered.				
	681							
681		18.0		Granite. Reddish color. Moderately altered. Mafics mostly chloritized. Feldspars slightly clay altered. Some disseminated chalcopyrite mineralization.				
	699							
699		18.0		Quartz Diorite. Greenish color. Highly altered. Mafics completely chloritized, some altered to muscovite. Feldspars partially clay altered. Some disseminated cpy. mineralization.				
	717							
717		5.5		Granite. Reddish color. Moderately altered.				

Hole No. DDH #6 | Sheet No. 7 | Phillips Petroleum Company | Collar Elevation

Coordinates | Date Started | Squaw Peak Mine | Total Footage

Type Drill | Date Completed | Overall Core Recovery

Bit Size | Logged By

GEOLOGIC LOG

FROM	TO	FT. OF CORE	TYPE		ROCK DESCRIPTION, ALTERATION AND REMARKS	METALLIZATION	ANGLE TO CORE	SECTION DEPTH
	722.5				Mafics chloritized. Felds clouded with some clay alteration.			
722.5		17.5			Quartz Monzonite. Granitoid.texture. Slight to moderate alteration. Mafics mostly chloritized.			
					Feldspar clouded with some slight Kaolinization.			
	740				Dissem. mineralization.			
740	743.5	3.5			Quartz Diorite. Greenish color. Moderate alteration. Mafics all			
743.5		45.5			chloritized. Feldspars clouded with slight clay alteration.			
					Dissem. cpy mineralization.			
					Granodiorite. K-feldspar dominant. Porphyrytic. Granitoid texture.			
					Slight to moderate alteration. Mafics mostly chloritized. Feldspars clouded. Intensely altered zone 749-750. Good mineralization in quartz veinlets.			
					Quartz Diorite composition 770-772.			
					Heavy K-feldspar flood at 781.			
	789							
789		30.0			Quartz Monzonite. Granitoid texture. Slight to moder alteration.			
					Mafics are mostly chloritized. Feldspars clouded. Plagioclase			
					is dominant feldspar. Fair disseminated mineralization.			
					More intensely altered zone 813.5-815.5.			
	819							
819		30.0			Quartz Diorite. Granitoid texture. Grayish color. Slight alteration.			
					Mafics are mostly slightly chloritized, few chloritized.			
					Feldspars are clouded. Poor mineralization. K-Feldspar flooding			
					831-838; 844-846; 850-853.			

Hole No. DDH #6 | Sheet No. 8 | Phillips Petroleum Company | Collar Elevation

Coordinates | Date Started | Squaw Peak Mine | Total Footage

Type Drill | Date Completed | Overall Core Recovery

Bit Size | Logged By

GEOLOGIC LOG

FROM	TO	FT. OF CORE	TYPE		ROCK DESCRIPTION, ALTERATION AND REMARKS	METALLIZATION	ANGLE TO CORE	SECTION	DEPTH
	849								
849		13.0			Quartz Monzonite. Slight to moderate alteration. Sparse mineralization. Mafics well chloritized. Feldspars clouded. K-Feldspar content about 40-50%				
	862				~~TOTAL DEPTH~~				

PETROLOGIC DESCRIPTION

Spec. No: 6-158
Locality: DDH 6
Occurrence:
Field Relns (See C below):

Coll./Exam. by: RRR
Date:
Descr. No:

Numerous hairline q-cp-mb ± py ± seric(?) vnlts. @ ~35°

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: GRAY

Texture: MED GR.

Density:

2.

(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz		fine-med		35	
2 plag	seric, clay	med		45	90% alt to seric, clays (seric > clay); internal zoning + twinning completely destroyed in most cases
3 K-felds		v. fine		5	v. minor const.; possible reaction envelopes surrounding q-ser vnlts. (perm)
4 bt	chlor epidote(tr)	fine-med	lt green	10	masses + aggregates, 80% alt. to chlor.; wk tr. epid.; ± calc, ± sulfides
5 apatite		v. fine		tr	v. minor accessory; also poss. re-cryst. w/ masses of chlor(bt) -calc -sul
	calcite	v. fine		tr	mostly asso w/ aggregates of chlor +/or sul.
	sulfides	fine		1	v. finely scattered in + around vns + fracs
	sericite (vns)	v. fine		1-2 (vns)	numerous microvnlts of sericite ± q ± sulfides
hornbl.	chlor	med-coarse		tr	30% → chlor

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin Ign.

6. Field Classification - Name: GRANODIORITE OR QTZ DIORITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)

Str. fracturing

2. Weathering, Alteration, Staining, Surface Features

Strong seric-clay + chlor alt'n — prob. due to abund. of veins.

3. Mineralization frac-related

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

PETROLOGIC DESCRIPTION

Spec. No: 6-254
Locality: DDH 6
Occurrence:
Field Relns (See C below):

Coll./Exam. by: RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: PINK-GRAY TO GREEN-GRAY

Texture: MED. GR.

Density:

2.

	(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1	qtz		fine-med		45	Large connected patches w/ py, cp(?) Appears to be "flooded". Cut by seric. shear
2	plag	seric, clay	fine-med		30	plag 90% alt to seric, clay
3	K-felds		fine		10	30% alt by seric+clay; occurs both as prim. xls + in fracs. + alt. envelopes; possibly re-cryst.?
4	bt	chlor	fine		5-10	>90% alt to deep blue chlorite; masses
5	apatite		v. fine		1	Occurs as primary access. min'l w/ qtz; also as minute xls on margins of shears + w/ calcite in pod-like masses
	sulfides	cp	fine-med		2	mostly cp, asso. w/ chlor, calc, apatite, also fracture related
		py				
		calcite	fine		4	Occurs as anhed. xls in vns, fracs; mostly as major access. in masses of sulfide-chlorite
		sericite	v. fine		with plag.	Numerous microvnlts asso. w/ shearing
		epid.			tr	w/ chlor ± calc masses

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin Ign.

6. Field Classification - Name: GRANODIORITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
Strongly fract'd.

2. Weathering, Alteration, Staining, Surface Features
Strong seric-clay
Strong chlor.

3. Mineralization Veins & diss

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☒ Yes ☐ No

Stained

1-2 mm shear w/ microvnlt of seric., surrounded by breccia containing anhedral grains of alt'd plag + Kspar, q, chlor, calc.; minor cpy(?) at edge of fracture.

PETROLOGIC DESCRIPTION

Spec. No: 6-329
Locality: DDH 6
Occurrence:
Field Relns (See C below):

Coll./Exam. by: RRR
Date:
Descr. No:

HAIRLINE Q-CP-PY VNLTS. @ 35° + 80°, CUT BY 2mm VERT. PINK FELDSPAR VN.

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: LT. PINKISH GRAY to GREENISH-GRAY

Texture: MED GRND.

Density:

2.

(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz		fine-med		45	
2 plag	seric, clay	med		25	plag 20% alt to seric + clay. Numerous tiny vnlts. of seric.
3 K-felds		fine-med		10	mostly in q-sul. vnlt (see back)
4 bt	chl	fine-coarse	brown to greenish	15	2 modes: 1) large brown xls, more commonly as 2) fibrous masses which are more alt'd (~20%)
5 apatite		fine		tr	Occurs as scattered fine prisms and w/ calcite and sulfides in isolated patches, ± bt ± qtz
	calcite	fine		tr	as aggregates of cpy-calc-bt(chlor) assemb. in which bt. is usually partially alt. to chlor
	chlor	fine		tr	wk. alt. prod. of bt. bt < 10% ⇒ chlor
	py, cpy	fine		1	usually w/ calcite ± bt ± chlor ± apa(?)
horn bl.		med		tr	

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin Ign.

6. Field Classification - Name: GRANODIORITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)

2. Weathering, Alteration, Staining, Surface Features
Mod-str. perv. seric-clay.
Mod. vn-rel. K-feldspar.

3. Mineralization
Uns + dism.

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☒ Yes ☐ No

stained

1 mm Kspar-sul.-qtz vnlt ; Kspar + cp in center of vn. w/ q comprising most (75% +) of vein. Cuts pervasive seric-clay alt. Kspar vn lt does not appear to have induced any surrounding alt'n.

PETROLOGIC DESCRIPTION

Spec. No: 6-727
Locality: DDH 6
Occurrence:
Field Relns (See C below):

Coll./Exam. by: RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: PINKISH GRAY

Texture: PORPHYRITIC, MED GR. MATRIX

Density:

2.

	(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1	qtz		med-fine		35	
2	plag	seric, clay	med		30-35	60-65% → seric, clay
3	Kfelds		fine		15	occurs w/i groundmass as prim. min'l; also in 2 veinlets w/ qtz + a few sulfides (Zndary)
4	bt	chlorite	fine	brown-green	15	bt 60% → chlor
5	apatite		v. fine		tr	
		sulfides	fine		tr	py, cp, asso. w/ Kspar veinlets
		~~calcite~~	~~v. fine~~		tr	~~repl. plag w/ chlor.~~
	hornbl.	chlorite	med	green	tr	50% repl. by chlor.

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio = 1:1

5. Evidence on Origin Ign.

6. Field Classification - Name: GRANODIORITE PORPH. or QTZ. MONZ. PORPH.

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
   Mod frac.

2. Weathering, Alteration, Staining, Surface Features
   Mod seric-clay (perv) cut by str. fract.-related Kfelds par
   Mod. perv. chlor.

3. Mineralization Vein-rel.

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

stained

Over ☐ Yes ☐ No

PETROLOGIC DESCRIPTION

Spec. No: 6-847
Locality: DDH 6
Occurrence:
Field Relns (See C below):

Coll./Exam. by: RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: GREY

Texture: PORPH, MED. GR. MATRIX

Density:

2.

(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz		fine		30-35	
2 plag	sericite, clay	fine-med		35	50% → ser, clay; esp. at cores of xls
3 K-felds		fine		15	mostly primary + fresh; ~10% as rims around q, plag — sometimes asso w/ sul.
4 bt		fine-med	brown-green	10-15	5% alt to chlor ~~+ epid~~
5 apatite		v. fine		+r	fresh sometimes w/ mafic clots
	calcite	v. fine		+r	
	sulfides	fine-med		1	mostly py — in chlor-epid-calc clots ± apatite or sericite in vnlts.
	chlor	fine		2	alt of bt
	epidote	fine		tr	tr alt. of bt — forms in clots w/ calc, chlor, sul

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio = 13

5. Evidence on Origin

6. Field Classification - Name: PORPHYRITIC GRANODIORITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
Mod. frac.

2. Weathering, Alteration, Staining, Surface Features
Mod seric-clay alt
wk-mod chlor-epid-calc alt.

3. Mineralization
dism

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

stained

DIAMOND DRILL LOG

HOLE No. DDH 7 SHEET ____ OF ____

SCALE ____ STARTED ____ STOPPED ____ NOTES BY ____

DEPTH 500' BEARING ____ INCLINATION ____

PROPERTY ____ COUNTY ____ STATE ____

COLLAR COORD. N. ____ E. ____

COLLAR ELEV. ____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
				50				sulfides occur mostly in fracs tr bn?	feldspars white to brown, poss. clay alt. due to fault zone	
				100					fair amt pink feldspar, poss due to shearing	
				150			typical	sulfides in vnlts + fracs.	local. strng Kspar(?)	
				200				wk. sulfides - vns.	clay alt'n? white to tan fldsprs.	
				250					local str. Kspar(?)	P.S.
									potassic? alt'n	
				300						
				350				sulfides un-related	similar to 280	
				400						
							porph. texture		much fresher in appearance	large plag t/s
				450				min'l'n confined to 1-sul. vns. (kp-mb)	sparse $CaCO_3$ vnlts	P.S.
				500			typical		appears fresh. Some pink feldspar - also looks primary	

DDH #7

ASSAY INFORMATION

Interval	% Cu	% MoS_2
0 - 5	0.05	0.0008
5 - 10	0.10	0.0060
10 - 15	0.17	0.0063
15 - 20	0.40	0.0055
20 - 25	0.27	0.0042
25 - 30	0.38	0.0287
30 - 35	0.02	0.0095
35 - 40	0.30	0.0061
40 - 45	0.18	0.0047
45 - 50	0.30	0.0270
50 - 55	0.32	0.0317
55 - 60	0.34	0.0048
60 - 65	0.69	0.0450
65 - 70	0.52	0.25
70 - 75	0.36	0.0080
75 - 80	0.33	0.0073
80 - 85	0.27	0.05
85 - 90	0.16	0.28
90 - 95	0.15	0.92
95 - 100	0.13 .272	0.0042
100 - 105	0.20	0.0025
105 - 110	0.26	0.0110
110 - 115	0.23	0.0217
115 - 120	0.23	0.0182
120 - 125	0.32	0.0160
125 - 130	0.36	0.0128
130 - 135	0.37	0.0407
135 - 140	0.31	0.0235
140 - 145	0.17	0.0050
145 - 150	0.19	0.0184
150 - 155	0.18	0.0108
155 - 160	0.31	0.0258
160 - 165	0.25	0.0117
165 - 170	0.26	0.0037
170 - 175	0.14	0.0058
175 - 180	0.25	0.0008
180 - 185	0.28	0.0048
185 - 190	0.20	0.0013
190 - 195	0.21	0.0085
195 - 200	0.32 .252	0.0263
200 - 205	0.33	0.0207
205 - 210	1.20	0.30
210 - 215	0.24	0.0152
215 - 220	0.27	0.0095
220 - 225	0.14	0.0008
225 - 230	0.21	0.0198
230 - 235	0.25	0.0108
235 - 240	0.16	0.0021
240 - 245	0.16	0.0043
245 - 250	0.28	0.0047
250 - 255	0.30	0.0110
255 - 260	0.23	0.0092
260 - 265	0.20	0.0032
265 - 270	0.12	0.0021
270 - 275	0.06	0.0245
275 - 280	0.10	0.0078
280 - 285	0.09	0.0031
285 - 290	0.16	0.0026
290 - 295	0.14	0.0135
295 - 300	0.25 .245	0.0043
300 - 305	0.12	0.0042
305 - 310	0.11	0.0006
310 - 315	0.11	0.0138
315 - 320	0.14	0.0097
320 - 325	0.17	0.0128
325 - 330	0.17	0.0152
330 - 335	0.27	0.0058
335 - 340	0.33	0.0442
340 - 345	0.21	0.0035
345 - 350	0.22	0.0252
350 - 355	0.13	0.0060
355 - 360	0.17	0.0167
360 - 365	0.11	0.0025
365 - 370	0.21	0.0295
370 - 375	0.06	0.0033
375 - 380	0.16	0.0026
380 - 385	0.15	0.0083
385 - 390	0.10	0.0058
390 - 395	0.17	0.0238
395 - 400	0.16 .164	0.0081
400 - 405	0.13	0.0036
405 - 410	0.11	0.0120
410 - 415	0.09	0.0007
415 - 420	0.08	0.0025
420 - 425	0.18	0.0450
425 - 430	0.11	0.0011
430 - 435	0.17	0.0751
435 - 440	0.11	0.0013
440 - 445	0.11	0.0025
445 - 450	0.06	0.0075
450 - 455	0.26	0.0050
455 - 460	0.29	0.0300
460 - 465	0.16	0.0006
465 - 470	0.07	0.0078
470 - 475	0.08	0.0052
475 - 480	0.10	0.0015
480 - 485	0.05	Tr
485 - 490	0.06	0.0031
490 - 495	0.15	0.0008
495 - 500	0.06 .122	0.0025

DDH #7

INTERVALS AVERAGED

Interval		% Cu	% MoS_2	Oz. Ag	Oz. Au
(8) - 80	72	0.31	0.017	Tr	Tr
80 - 255	175	0.27	0.033	Tr	Tr
255 - 350	95	0.17	0.011	Tr	Tr
350 - 500	150	0.13	0.011	Tr	Tr
	492 @	0.214			
15 - 85	60'	.39	.024		
85 - 265	180'	.26	.031		

DDH #7

ASSAY INFORMATION

Interval	% Cu		% MoS_2	
0 - 5	0.05	0-15	0.0008	
5 - 10	0.10	15' .11	0.0060	
10 - 15	0.17		0.0063	
15 - 20	0.40	15-30	0.0055	%Mo
20 - 25	0.27	15' .35	0.0042	.008
25 - 30	0.38		0.0287	
30 - 35	0.02	30-45	0.0095	
35 - 40	0.30		0.0061	.004
40 - 45	0.18	15' .17	0.0047	
45 - 50	0.30	45-60	0.0270	
50 - 55	0.32		0.0317	.013
55 - 60	0.34	15' .32	0.0048	
60 - 65	0.69	60-70	0.0450	
65 - 70	0.52	10' .61	0.25	.089
70 - 75	0.36	70-85	0.0080	
75 - 80	0.33		0.0073	.013
80 - 85	0.27	15' .32	0.05	
85 - 90	0.16	85-100	0.28	
90 - 95	0.15		0.92	.241
95 - 100	0.13	15' .15	0.0042	
100 - 105	0.20	100-120	0.0025	
105 - 110	0.26		0.0110	
110 - 115	0.23	20' .23	0.0217	.008
115 - 120	0.23		0.0182	
120 - 125	0.32	120-140	0.0160	
125 - 130	0.36		0.0128	
130 - 135	0.37	20' .34	0.0407	.014
135 - 140	0.31		0.0235	
140 - 145	0.17	140-155	0.0050	
145 - 150	0.19		0.0184	.007
150 - 155	0.18	15' .18	0.0108	
155 - 160	0.31	155-195	0.0258	
160 - 165	0.25		0.0117	
165 - 170	0.26		0.0037	
170 - 175	0.14	40' .24	0.0058	.005
175 - 180	0.25		0.0008	
180 - 185	0.28		0.0048	
185 - 190	0.20		0.0013	
190 - 195	0.21		0.0085	
195 - 200	0.32	195-205	0.0263	
200 - 205	0.33	10' .33	0.0207	.014
205 - 210	1.20	5' 1.20	0.30	.18
210 - 215	0.24	210-235	0.0152	
215 - 220	0.27		0.0095	
220 - 225	0.14	25' .22	0.0008	.007
225 - 230	0.21		0.0198	
230 - 235	0.25		0.0108	
235 - 240	0.16	235-245	0.0021	
240 - 245	0.16	10' .16	0.0043	.002
245 - 250	0.28		0.0047	

Interval	% Cu		% MoS_2	
250 - 255	0.30	245-265	0.0110	
255 - 260	0.23	20' .25	0.0092	.004
260 - 265	0.20		0.0032	
265 - 270	0.12	265-285	0.0021	
270 - 275	0.06		0.0245	
275 - 280	0.10	20' .09	0.0078	
280 - 285	0.09		0.0031	
285 - 290	0.16		0.0026	
290 - 295	0.14	285-330	0.0135	
295 - 300	0.25		0.0043	
300 - 305	0.12	45'	0.0042	
305 - 310	0.11		0.0006	
310 - 315	0.11		0.0138	
315 - 320	0.14	.15	0.0097	
320 - 325	0.17		0.0128	
325 - 330	0.17		0.0152	
330 - 335	0.27		0.0058	
335 - 340	0.33	330-350	0.0442	
340 - 345	0.21	20' .26	0.0035	
345 - 350	0.22		0.0252	
350 - 355	0.13		0.0060	
355 - 360	0.17		0.0167	
360 - 365	0.11		0.0025	
365 - 370	0.21		0.0295	
370 - 375	0.06		0.0033	
375 - 380	0.16	350-450	0.0026	
380 - 385	0.15		0.0083	
385 - 390	0.10	100'	0.0058	
390 - 395	0.17		0.0238	
395 - 400	0.16	.13	0.0081	
400 - 405	0.13		0.0036	
405 - 410	0.11		0.0120	
410 - 415	0.09		0.0007	
415 - 420	0.08		0.0025	
420 - 425	0.18		0.0450	
425 - 430	0.11		0.0011	
430 - 435	0.17		0.0751	
435 - 440	0.11		0.0013	
440 - 445	0.11		0.0025	
445 - 450	0.06		0.0075	
450 - 455	0.26	450-460	0.0050	
455 - 460	0.29	.28	0.0300	
460 - 465	0.16		0.0006	
465 - 470	0.07		0.0078	
470 - 475	0.08	460-500	0.0052	
475 - 480	0.10		0.0015	
480 - 485	0.05	40'	Tr	
485 - 490	0.06	.09	0.0031	
490 - 495	0.15		0.0008	
495 - 500	0.06		0.0025	

0 - 210' 210' 0.29% Cu

PETROLOGIC DESCRIPTION

Spec. No: 7-186
Locality: DDH 7
Occurrence:
Field Relns (See C below):
SEVERAL STEEP q-sulfide vnlts.

Coll./Exam. by: RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:
   Color: LT. GRAY
   Texture: PORPH.
   Density:

2.

(PRIMARY) Discern. Minerals	(ALTN) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz		fine		30	
2 plag	seric, clay	med		45	seric > clays plag 90% → seric.
3 K-felds		fine-med		10	some tr Kspar in micro fracs (?) — may be sericite which was stained
4 bt	chlor	med-fine		10	bt 40% → chlor, chlor repl. bt along plugs.
5 apatite		v. fine		tr	
	sericite	v. fine		1	numerous veinlets — also perv. alt. of felds
	sulfides			1	py, cpy
	hematite			tr	in fracs, prob. after py — later than seric.
	calc?	fine		tr	vnlts

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio = 9:10

5. Evidence on Origin

6. Field Classification - Name: GRANODIORITE PORPHYRY

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
   Str. fracturing

2. Weathering, Alteration, Staining, Surface Features
   INT. SERIC. (+clay)
   WK-mod. chlor.

3. Mineralization Disml > vns. — related to sericite more than usual ferromag. asso.

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

Stained

PETROLOGIC DESCRIPTION

Spec. No: 7-280
Locality: DDH 7
Occurrence:
Field Relns (See C below):
STEEP 1 mm q-epid(?) vn.

Coll./Exam. by: RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:
   Color: BURNT ORANGE
   Texture: MED GR. PORPH
   Density:

2.

(PRIMARY) Discern. Minerals	(ALTN) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz		fine-med		25-30	
2 plag	seric, clay	med		40	50% → seric, clay
3 K-felds		fine		5-10	20% → seric.
4 bt		med-coarse	brown	15-20	35% → chlor.
5 apatite		v. fine		tr	sometimes w/ sulfide-mafic clots
	chlor	fine		5	after bt - clugs.
	~~epid~~	~~fine~~		~~tr~~	~~after bt (?)~~
	sulfides	fine		tr	py, cp asso w/ mafic clots, usually a bt-chlor-epid-opq assem.
	magn?	fine		tr	w/ py

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio = 2:5

5. Evidence on Origin

6. Field Classification - Name: PORPHYRITIC GRANODIORITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
   Mod-str. frac.

2. Weathering, Alteration, Staining, Surface Features
   Mod seric-clay
   Mod chlor-~~epid~~.

3. Mineralization Dism — in bt-chlor-epid masses

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

stained

PETROLOGIC DESCRIPTION

Spec. No: 7-486
Locality: DDH 7
Occurrence:
Field Relns (See C below):

Coll./Exam. by: RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: PINKISH-GRAY to GREEN-GRAY

Texture: MED GR.

Density:

2.

(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz				50	1-1mm vn w/ sulfides at mafic clots blocking vn. — Py-cp = calc-chlor-epid-bt assemblages
2 plag	seric, clay			30	plag 40% ⇒ seric; appears rel. to numerous seric. vn/ts. which cause alt. in plag + bt
3 K-feldS				5	5% ⇒ seric
4 bt				10	25% ⇒ chlor, epid; strongest alt rel. to vns.
5 apatite				tr	
hornbl.				tr	rel. fresh
	sulfides			1	rel. to q & mafic assemblages
	chlorite			3	chlor-epid-calc assemb
	epidote			tr	"
	calcite			tr	"

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin

6. Field Classification - Name: GRANODIORITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)

Str. frac.

2. Weathering, Alteration, Staining, Surface Features

wk-mod seric-clay (perv + frac)
wk chlor ± epid (frac ± rel.)

3. Mineralization

VN > diSm

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

Stained

DIAMOND DRILL LOG

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH 486 BEARING _____ INCLINATION _____

HOLE No. DDH 8 SHEET _____ OF _____

PROPERTY _____ COUNTY _____ STATE _____

COLLAR COORD. N. _____ E. _____ COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
				50						
				100				py, cp in q units	feldspars milky white; local silicification	
				150				cp-py in fracs	varies from fresh to zones of pink + green feldspar in dk grey groundmass (146)	
				200			typical	py > cp	contd rel. fresh w/ sequences of rock sim. to 196	
				250					fault at 266-275 w/ clay alt.	
				300					mostly feldspar tan; wk chlor.	
				350						
				400				mostly py - vns.	rel. fresh. wk local pink fldsp	
				450			slightly alt'd			
								py-cp in sparse fracs.	calcite veins rock is rel. fresh	

ASSAY INFORMATION
DDH #8

Interval	% Cu	% MoS_2
0 - 5	0.18	0.002
5 - 10	0.18	0.002
10 - 15	0.25	0.026
15 - 20	0.16	0.003
20 - 25	0.10	0.001
25 - 30	0.17	0.005
30 - 35	0.23	0.012
35 - 40	0.13	0.006
40 - 45	0.17	0.004
45 - 50	0.22	0.011
50 - 55	0.19	0.007
55 - 60	0.14	0.007
60 - 65	0.16	0.004
65 - 70	0.16	0.002
70 - 75	0.15	0.006
75 - 80	0.14	0.004
80 - 85	0.18	0.008
85 - 90	0.21	0.033
90 - 95	0.13	0.003
95 - 100	0.29	0.007
100 - 105	0.21	0.047
105 - 110	0.17	0.011
110 - 115	0.11	0.006
115 - 120	0.16	0.005
120 - 125	0.19	0.013
125 - 130	0.16	0.031
130 - 135	0.17	0.013
135 - 140	0.16	0.007
140 - 145	0.09	0.005
145 - 150	0.07	0.002
150 - 155	0.13	0.004
155 - 160	0.15	0.003
160 - 165	0.28	0.008
165 - 170	0.16	0.007
170 - 175	0.23	0.006
175 - 180	0.24	0.004
180 - 185	0.21	0.002
185 - 190	0.18	0.007
190 - 195	0.16	0.008
195 - 200	0.18	0.006
200 - 205	0.19	0.011
205 - 210	0.21	0.033
210 - 215	0.12	0.001
215 - 220	0.11	0.005
220 - 225	0.08	0.002
225 - 230	0.09	0.007
230 - 235	0.11	0.001
235 - 240	0.11	0.001
240 - 245	0.10	0.001
245 - 250	0.11	0.003

Interval	% Cu	% MoS_2
250 - 255	0.12	0.010
255 - 260	0.17	0.004
260 - 265	0.15	0.016
265 - 270	0.18	0.010
270 - 275	0.17	0.003
275 - 280	0.13	0.006
280 - 285	0.12	0.007
285 - 290	0.25	0.015
290 - 295	0.21	0.006
295 - 300	0.37	0.017
300 - 305	0.31	0.036
305 - 310	0.23	0.006
310 - 315	0.27	0.009
315 - 320	0.18	0.008
320 - 325	0.26	0.019
325 - 330	0.17	0.012
330 - 335	0.36	0.034
335 - 340	0.45	0.047
340 - 345	0.21	0.016
345 - 350	0.22	0.009
350 - 355	0.18	0.006
355 - 360	0.27	0.010
360 - 365	0.38	0.035
365 - 370	0.35	0.021
370 - 375	0.20	0.019
375 - 380	0.19	0.082
380 - 385	0.24	0.017
385 - 390	0.16	0.005
390 - 395	0.16	0.007
395 - 400	0.08	0.004
400 - 405	0.06	Trace
405 - 410	0.16	0.002
410 - 415	0.12	0.004
415 - 420	0.05	0.001
420 - 425	0.03	Trace
425 - 430	0.03	Trace
430 - 435	0.06	Trace
435 - 440	0.03	Trace
440 - 445	0.13	0.002
445 - 450	0.30	0.011
450 - 455	0.25	0.006
455 - 460	0.23	0.006
460 - 465	0.17	0.003
465 - 470	0.05	0.004
470 - 475	0.04	Trace
475 - 480	0.03	Trace
480 - 486	0.04	0.004

0 — 285 = 0.161%

PETROLOGIC DESCRIPTION

Spec. No: 8-146
Locality: DDH-8
Occurrence:
Field Relns (See C below):

Coll./Exam. by: RRR
Date:
Descr. No:

1% py + cp on fracs

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: DK GREEN-GRAY

Texture:

Density:

2.

(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz				40	
2 plag	seric, clay			30	40% perv. alt → serit ±clay
3 K-felds				10	5-10% → seric. tr Kspar recryst in frac. in vic. of mafic clot
4 bt	chlor epid			15	60% alt. (chlor > epid) chlor deep blue-maroon int.? tr chlor along frac at mafic clot (recrys?)
5 apatite				tr	
	calcite			tr	asso. w/ bt-chlor-epid assemb.
	sulfides			tr	mostly py? asso. w/ mafic clots at intersections w/ & flooding

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

tbt appears to locally be pseudom. after hnb

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin

6. Field Classification - Name: GRANODIORITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)

~~Str. fract.~~

2. Weathering, Alteration, Staining, Surface Features

Mod seric-clay (perv)
Mod-str. perv. chlor-epid-calc ; str. vein-rel chlor-epid.

3. Mineralization

Dism; poss. vn. related.

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Numerous chlor-epid. veinlets stained

Over ☐ Yes ☐ No

PETROLOGIC DESCRIPTION

Spec. No: 8-329
Locality: DDH 8
Occurrence:
Field Relns (See C below):
tr dism py, cp

Coll./Exam. by: RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:
   Color: PINKISH GRAY
   Texture:
   Density:

2.

(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz				30-35	
2 plag	seric, clay			35	80% → seric, clay
3 Kspar				10	wk clay alt str. local seric
4 bt		chlorite, epidote(?)	brown, green	20	2 modes: coarser grains w/ ~30% chlor alt along clvgs + 2) fine grained masses alt'd 80%+ to chlor + epid(?)
5 apatite				tr	
	calcite			tr	in asso. w/ sul.
	sulfides			tr	mostly in q vn., conc. w/ calcite ± chlor-bt-epid

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin

6. Field Classification - Name: GRANODIORITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
   Mod. frac.

2. Weathering, Alteration, Staining, Surface Features
   Str. perv. seric-clay
   Wk-Mod chlor-epid-calc.

3. Mineralization
   Veins > dism.

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

stained

PETROLOGIC DESCRIPTION

Spec. No: 8-478
Locality: DDH 8
Occurrence:
Field Relns (See C below):

Coll./Exam. by: RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: LT GRAY

Texture: SL. PORPH

Density:

2.

(PRIMARY) Discern.	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz				30	
2 plag	seric clay	1mm		30	~10% → seric ; frac/vn rel. ; Numerous hairline sericite veinlets
3 K-felds		fine-med		15-20	primary, fresh
4 bt	chlor epid	fine-med-coarse	mostly brown	15-20	large brown rel. unalt. xls and greenish-brown masses alt to chlor ± epid (~5% total bt → chl+ep)
5 hornbl.		2-5mm	brown, grn-brn.	2	rel. fresh ; host for tr py
apatite		v. fine		tr	occasionally w/ sulfides in bt-rich masses
	calcite	fine		tr	usually w/ sulfides, isolated w/i q grains
	sulfides	fine + med.		tr	dism w/ calc + w/ mafic clots, surrounded by qtz ; 1 py xl cut by seric vnlt

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio = 1:5

5. Evidence on Origin

6. Field Classification - Name: QUARTZ MONZONITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
Mod fracs

2. Weathering, Alteration, Staining, Surface Features
wk perv. seric clay } cut by vn-rel seric
wk perv. chlor epid }

3. Mineralization Dism

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)
Numerous seric vnlts.

Over ☐ Yes ☐ No

stained

DIAMOND DRILL LOG

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH 822.5 BEARING _____ INCLINATION _____

HOLE No. DDH 9 SHEET _____ OF _____

PROPERTY _____ COUNTY _____ STATE _____

COLLAR COORD. N. _____ E. _____ COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
				50				cp ≈ py, mostly vns	felds pars white to pale green	Pegd x-cutting vn. P.S.
				100						
				150				some dism cp, py	evid. of shearing w/ clay alt.	porph. dikes dacite(?) ppy
							170-180 : typical, intensely alt'd			
				200				mod. sulfide min'l'n in fracs : cp-py-bn?	fld. mostly white; some Kspar (?) enveloping q vns.	
				250				scattered fracs w/ cp.	fldspars almost all white mafics rel. unaffected	
				300						
				350				good sulfides : cp-mbt bn in vnlts, w/ q + chlor	feldspars pale green. chlor. repl. mafics	
				400						
							typical			
				450				strong sulfides, mostly in vns + w.r.	strong clay-seric (?) feldspars green	
								cp conc. in bt(chlor) rich blebs	les = alt'd, fldspars v. pale green 2nd. bt ?	
				500						

DIAMOND DRILL LOG

HOLE No. _____ SHEET _____ OF _____

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH _____ BEARING _____ INCLINATION _____

PROPERTY _____ COUNTY _____ STATE _____

COLLAR COORD. N. _____ E. _____

COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU		% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
								good cp-mb-py in g vns.	feldspars green	P.S.
				550						
				600				sul. prim. vn-rel.	pale grn feldsp. quid. of much frac'g.	
							typical			
				650				fair-~~good~~ g-cp-mb vns.	feldspars green to white 2nd. bt, chlor ?	
				700					similar, alt'n ~~strongest~~ heav vns. ~~poss.~~ potassic alt 2nd. bt? feldspars white-pink	bt vn?
				750				wkly min'l'd. Mostly in micro-fracs, cont. w/ q + mafics	flds. white - pinkish prim. bt?	
				800			typical	cp-py on fracs.	wk Kspar flooding ? flds. mostly white much shearing - control alt, min. exten. chlor.	

DIAMOND DRILL LOG

SCALE 1"=50'
STARTED 4-8-69
STOPPED 4-19-69
NOTES BY JKJ 9-20-13, 9-25-13

DEPTH 822.5 feet
BEARING
INCLINATION vertical

HOLE No. 9 SHEET 1 OF 2
PROPERTY SQUAW PEAK
COUNTY Yavapai STATE AZ.
COLLAR COORD. N. 7612.62 E. 6154.14
COLLAR ELEV. 4395.48

Drilled for Phillips Petroleum Company

ASSAYS % MO	ASSAYS % CU	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
			0			0-4' rock bit			
						Specimen 18'	Scattered films rusty brown FeOx, very weak FeS_2, traces $CuFeS_2$	very weak alteration some feldspars slightly cloudy	Granodiorite
							35' Very weak to weak dissem. FeS_2 & $CuFeS_2$, traces MoS_2 with quartz veinlets	34' feldspar soft, olive green, ferrics alt. to chlorite & ragged.
			50						
			100						
						Specimen 124'			
				x		130½' 1/4" $CuFeS_2$	122' ± 5' $CuFeS_2$ increased as dissem. in ferrics & on seams. 139' broken, rusty brown FeOx on fractures, weak persistent $CuFeS_2$ slightly tarnished	139' feldspars mostly soft, white. Ferrics alt. to chlorite. Rock soft crumbly	
			150				(did not note end of FeOx)	Local soft olive green feldspar	
			200						
						Specimen 241'			
			250				258± ~~$CuFeS_2$ appears to be~~ $CuFeS_2$ appears increased, Fair ant. Cuming., local good MoS_2 with quartz veinlets.		
						Box 31 293'			
			300				308± weak Ming.	308' feldspars only locally soft, some pink orthoclase present.	
			350						
						377 Box 41 missing		373 Moderate clay alt. Feld. largely soft, white	
						386		391 weak alteration	
						396			
			400			Boxes 43 thru 46 missing			
						433	Good $CuFeS_2$, MoS_2	Moderate clay? alteration	
						Specimen 450'			
			450			451 Box 49 missing			
						460 only a few pieces			
						470± core in box 50 box 51 missing			
						479 only a few pieces			
						488 core in box 52			
			500						

DIAMOND DRILL LOG

SCALE 1"=50'
STARTED
STOPPED
NOTES BY JKJ 9-25-73, 10-10-73

DEPTH
BEARING
INCLINATION

HOLE No. 9 SHEET 2 OF 2
PROPERTY SQUAW PEAK
COUNTY STATE
COLLAR COORD. N. E.
COLLAR ELEV.

ASSAYS % MO	ASSAYS % CU		% RECOV.	DEPTH 500	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
							Specimen 500	510± weak variable mineralization	weak alt. femic mostly black, little K-spar	Granodiorite
							Steep appearing contact Specimen 529		522± Most feldspar soft white to pale green femic in part altered to chlorite, in part black. A few stringers K-spar replacement.	519 ± Qtz diorite 527± porphyry dike
				550						
				600					612± Most feldspar hard white to glassy.	
							last 6ox logged #66 619' Specimen 619'		638' Feldspar in part soft white, femic mostly alt. to chlorite. Femic becomes black at depth, local chloritized zones, local strong clay alt.	
				650			Specimen 654'			
				700						
				750						
									766' Most feldspar hard, white to glassy, femic in part alt. to chlorite.	
									805± Most feldspar soft, white	
							822.5' BOTTOM			

ASSAY INFORMATION

DDH #9

Elev. 4385.48

Interval	% Cu	% MoS_2
0 - 5	0.10	0.0010
5 - 10	0.10	0.0092
10 - 15	0.08	0.0031
15 - 20	0.05	0.0013
20 - 25	0.07	0.0023
25 - 30	0.15	0.0033
30 - 35	0.09	0.0025
35 - 40	0.18	0.0058
40 - 45	0.16	0.0008
45 - 50	0.11	0.0016
50 - 55	0.38	0.0182
55 - 60	0.23	0.0095
60 - 65	0.38	0.0063
65 - 70	0.14	0.0008
70 - 75	0.07	0.0010
75 - 80	0.05	0.0020
80 - 85	0.13 .145	0.0123
85 - 90	0.14	0.0087
90 - 95	0.22	0.0389
95 - 100	0.28	0.0147
100 - 105	0.20	0.0022
105 - 110	0.42	0.0092
110 - 115	0.20	0.0730
115 - 120	0.28	0.032 ?
120 - 125	0.31	0.0015
125 - 130	0.43	0.0123
130 - 135	0.86	0.0467
135 - 140	0.54	0.0107
140 - 145	0.47	0.0060
145 - 150	0.23	0.0282
150 - 155	0.29	0.0243
155 - 160	0.49	0.0188
160 - 165	0.99	0.0442
165 - 170	0.52	0.0006
170 - 175	0.27	0.0018
175 - 180	0.22	0.0025
180 - 185	0.21 .379	Trace .0174
185 - 190	0.30	0.0053
190 - 195	0.17	0.0045
195 - 200	0.35	0.0432
200 - 205	0.29	0.0182
205 - 210	0.30	0.0251
210 - 215	0.52	0.0152
215 - 220	0.53	0.0063
220 - 225	0.36	0.0343
225 - 230	0.21	0.0011
230 - 235	0.44	0.0073
235 - 240	0.37	0.0010
240 - 245	0.50	0.0583
245 - 250	0.23	0.0011
250 - 255	0.35	0.0156
255 - 260	0.43	0.0851
260 - 265	0.37	0.0065
265 - 270	0.42	0.0467
270 - 275	0.48	0.1752
275 - 280	0.21	0.0442
280 - 285	0.54 .369	0.0534 .0324
285 - 290	0.57	0.0492
290 - 295	0.65	0.0442
295 - 300	0.79	0.0068
300 - 305	0.86	0.0834
305 - 310	0.48	0.0092
310 - 315	0.39	0.0800
315 - 320	0.34	0.0235
320 - 325	0.47	0.0492
325 - 330	0.36	0.0329
330 - 335	0.36	0.0392
335 - 340	0.51	0.0329
340 - 345	0.20	0.0228
345 - 350	0.18	0.0008
350 - 355	0.25	0.0917
355 - 360	0.29	0.0048
360 - 365	0.17	0.0170
365 - 370	0.40	0.0851
370 - 375	0.35	0.0248
375 - 380	0.22	0.0160
380 - 385	0.43 .444	0.0073 .0036
385 - 390	0.44	0.0238
390 - 395	0.21	0.0010
395 - 400	0.24	0.0007
400 - 405	0.45	0.0010
405 - 410	0.17	0.0083
410 - 415	0.25	0.0095
415 - 420	0.27	0.0082
420 - 425	0.28	0.0082
425 - 430	0.45	0.0509
430 - 435	0.85	0.0304
435 - 440	1.20	0.0327
440 - 445	1.60	0.0634
445 - 450	1.02	0.0967
450 - 455	1.33	0.0258
455 - 460	0.49	0.0295
460 - 465	0.49	0.0115
465 - 470	0.77	0.0458
470 - 475	0.99	0.0270
475 - 480	0.61	0.0073
480 - 485	0.56 .634	0.0078
485 - 490	0.46	0.0178
490 - 495	0.61	0.0048
495 - 500	0.43	0.0033
500 - 505	0.35	0.0052
505 - 510	0.59	0.0500
510 - 515	0.82	0.0600
515 - 520	0.24	0.0058

ASSAY INFORMATION

DDH #9

Interval	% Cu		% MoS_2
520 - 525	0.35		0.0032
525 - 530	0.69		0.0068
530 - 535	0.43		0.0235
535 - 540	0.40		0.0181
540 - 545	0.33		0.0030
545 - 550	0.31		0.0018
550 - 555	0.67		0.0077
555 - 560	0.34		0.0042
560 - 565	0.27		0.0135
565 - 570	0.38		0.0036
570 - 575	0.51		0.0155
575 - 580	0.40		0.0022
580 - 585	0.63	.461	0.0255
585 - 590	0.53	STOP!	0.0138
590 - 595	0.34		0.0098
595 - 600	0.48		0.0147
600 - 605	0.60		0.0053
605 - 610	0.41		0.0047
610 - 615	0.48		0.0021
615 - 620	0.29		0.0105
620 - 625	0.59		0.0043
625 - 630	0.08		Trace
630 - 635	0.39		0.0016
635 - 640	0.28		0.0182
640 - 645	0.48		0.0043
645 - 650	0.37		0.0850
650 - 655	0.64		0.0123
655 - 660	0.67		0.0032
660 - 665	0.58		0.0148
665 - 670	0.19		0.0047
670 - 675	0.35		0.0097
675 - 680	0.39		0.0242
680 - 685	0.17		0.0052
685 - 690	0.18		0.0053
690 - 695	0.25		0.0063
695 - 700	0.33		0.0053
700 - 705	0.15		0.0026
705 - 710	0.30		0.0048
710 - 715	0.23		0.0162
715 - 720	0.25		0.0155
720 - 725	0.33		0.0060
725 - 730	0.16		0.0210
730 - 735	0.10		0.0008
735 - 740	0.13		0.0028
740 - 745	0.17		0.0022
745 - 750	0.25		0.0017
750 - 755	0.11		0.0008
755 - 760	0.21		0.0008
760 - 765	0.24		Trace
765 - 770	0.20		0.0037
770 - 775	0.21		0.0010
775 - 780	0.02		0.0013
780 - 785	0.09		0.0007
785 - 790	0.32		0.0027
790 - 795	0.34		0.0068
795 - 800	0.32		0.0007
800 - 805	0.31		0.0013
805 - 810	0.34		0.0035
810 - 815	0.33		0.0008
815 - 820	0.23		0.0098
820 - 822	0.23		0.0028

ASSAY INFORMATION

DDH #9

Interval	% Cu	% MoS_2	
0 - 5	0.10	0.0010	0-25
5 - 10	0.10	0.0092	
10 - 15	0.08	0.0031	25' .08 .002% Mo
15 - 20	0.05	0.0013	
20 - 25	0.07	0.0023	
25 - 30	0.15	0.0033	25-50
30 - 35	0.09	0.0025	
35 - 40	0.18	0.0058	.002
40 - 45	0.16	0.0008	25' .14
45 - 50	0.11	0.0016	
50 - 55	0.38	0.0182	50-65
55 - 60	0.23	0.0095	15' .33 .007
60 - 65	0.38	0.0063	
65 - 70	0.14	0.0008	65-90
70 - 75	0.07	0.0010	
75 - 80	0.05	0.0020	25' .11
80 - 85	0.13	0.0123	
85 - 90	0.14	0.0087	
90 - 95	0.22	0.0389	90-125
95 - 100	0.28	0.0147	
100 - 105	0.20	0.0022	
105 - 110	0.42	0.0092	35' .27 .006
110 - 115	0.20	0.0730	.044
115 - 120	0.28	0.032	.019
120 - 125	0.31	0.0015	.001
125 - 130	0.43	0.0123	125-145
130 - 135	0.86	0.0467	
135 - 140	0.54	0.0107	20' .58
140 - 145	0.47	0.0060	
145 - 150	0.23	0.0282	145-155
150 - 155	0.29	0.0243	10' .26
155 - 160	0.49	0.0188	155-170
160 - 165	0.99	0.0442	15' .67
165 - 170	0.52	0.0006	
170 - 175	0.27	0.0018	170-195
175 - 180	0.22	0.0025	
180 - 185	0.21	Trace	25 .23
185 - 190	0.30	0.0053	
190 - 195	0.17	0.0045	
195 - 200	0.35	0.0432	195-210
200 - 205	0.29	0.0182	15' .31
205 - 210	0.30	0.0251	
210 - 215	0.52	0.0152	210-220
215 - 220	0.53	0.0063	10' .53
220 - 225	0.36	0.0343	220-230
225 - 230	0.21	0.0011	10 .29
230 - 235	0.44	0.0073	230-245
235 - 240	0.37	0.0010	15' .44
240 - 245	0.50	0.0583	
245 - 250	0.23	0.0011	
250 - 255	0.35	0.0156	10' .29
255 - 260	0.43	0.0851	
260 - 265	0.37	0.0065	
265 - 270	0.42	0.0467	
270 - 275	0.48	0.1752	25' .38
275 - 280	0.21	0.0442	
280 - 285	0.54	0.0534	
285 - 290	0.57	0.0492	
290 - 295	0.65	0.0442	
295 - 300	0.79	0.0068	
300 - 305	0.86	0.0834	
305 - 310	0.48	0.0092	30' .65
310 - 315	0.39	0.0800	
315 - 320	0.34	0.0235	
320 - 325	0.47	0.0492	
325 - 330	0.36	0.0329	
330 - 335	0.36	0.0392	30' .41
335 - 340	0.51	0.0329	
340 - 345	0.20	0.0228	
345 - 350	0.18	0.0008	
350 - 355	0.25	0.0917	
355 - 360	0.29	0.0048	
360 - 365	0.17	0.0170	
365 - 370	0.40	0.0851	
370 - 375	0.35	0.0248	40' .26
375 - 380	0.22	0.0160	
380 - 385	0.43	0.0073	
385 - 390	0.44	0.0238	10 .44
390 - 395	0.21	0.0010	
395 - 400	0.24	0.0007	
400 - 405	0.45	0.0010	
405 - 410	0.17	0.0083	
410 - 415	0.25	0.0095	
415 - 420	0.27	0.0082	35' .27
420 - 425	0.28	0.0082	
425 - 430	0.45	0.0509	
430 - 435	0.85	0.0304	10' .65
435 - 440	1.20	0.0327	
440 - 445	1.60	0.0634	
445 - 450	1.02	0.0967	20' 1.29
450 - 455	1.33	0.0258	
455 - 460	0.49	0.0295	
460 - 465	0.49	0.0115	
465 - 470	0.77	0.0458	
470 - 475	0.99	0.0270	
475 - 480	0.61	0.0073	
480 - 485	0.56	0.0078	
485 - 490	0.46	0.0178	60' .60
490 - 495	0.61	0.0048	
495 - 500	0.43	0.0033	
500 - 505	0.35	0.0052	
505 - 510	0.59	0.0500	
510 - 515	0.82	0.0600	
515 - 520	0.24	0.0058	

ASSAY INFORMATION

DDH #9

Interval	% Cu		% MoS_2
520 - 525	0.35	10' .30	0.0032
525 - 530	0.69		0.0068
530 - 535	0.43		0.0235
535 - 540	0.40	15' .51	0.0181
540 - 545	0.33		0.0030
545 - 550	0.31		0.0018
550 - 555	0.67		0.0077
555 - 560	0.34		0.0042
560 - 565	0.27		0.0135
565 - 570	0.38	30' .38	0.0036
570 - 575	0.51		0.0155
575 - 580	0.40		0.0022
580 - 585	0.63		0.0255
585 - 590	0.53		0.0138
590 - 595	0.34		0.0098
595 - 600	0.48		0.0147
600 - 605	0.60	55' .48	0.0053
605 - 610	0.41		0.0047
610 - 615	0.48		0.0021
615 - 620	0.29		0.0105
620 - 625	0.59		0.0043
625 - 630	0.08		Trace
630 - 635	0.39	15' .25	0.0016
635 - 640	0.28		0.0182
640 - 645	0.48		0.0043
645 - 650	0.37		0.0850
650 - 655	0.64		0.0123
655 - 660	0.67	25' .55	0.0032
660 - 665	0.58		0.0148
665 - 670	0.19		0.0047
670 - 675	0.35		0.0097
675 - 680	0.39		0.0242
680 - 685	0.17		0.0052
685 - 690	0.18		0.0053
690 - 695	0.25		0.0063
695 - 700	0.33	.26	0.0053
700 - 705	0.15		0.0026
705 - 710	0.30		0.0048
710 - 715	0.23		0.0162
715 - 720	0.25		0.0155
720 - 725	0.33		0.0060
725 - 730	0.16		0.0210
730 - 735	0.10		0.0008
735 - 740	0.13		0.0028
740 - 745	0.17	.15	0.0022
745 - 750	0.25		0.0017
750 - 755	0.11		0.0008
755 - 760	0.21		0.0008
760 - 765	0.24		Trace
765 - 770	0.20	.22	0.0037
770 - 775	0.21		0.0010

60' 30' 20'

Interval	% Cu		% MoS_2
775 - 780	0.02	.06	0.0013
780 - 785	0.09		0.0007
785 - 790	0.32		0.0027
790 - 795	0.34		0.0068
795 - 800	0.32		0.0007
800 - 805	0.31	.33	0.0013
805 - 810	0.34		0.0035
810 - 815	0.33		0.0008
815 - 820	0.23		0.0098
820 - 822	0.23	.23	0.0028

10' 30' 10'

0 - 125 125 .18

125 - 665 540' .47 .014

INTERVALS AVIRAGED

Interval	% Cu	% MoS_2	Oz. Au	Oz. Ag	% WO_3
0 - 105	0.21	0.0069	Nil	Tr	
105 - 340	0.42	0.0293	Nil	Tr	
340 - 425	0.28	0.0195	Nil	Tr	
425 - 535	0.70	0.0276	Nil	Tr	
535 - 665	0.44	0.0115	Nil	Tr	
665 - 822	0.23	0.0053	Nil	Tr	

PETROLOGIC DESCRIPTION

Spec. No: 9-~~330~~ 242
Locality: DDH 9
Occurrence:
Field Relns (See C below):

Coll./Exam. by: RRR
Date:
Descr. No:

2-3% sulfides in q-sul. vns @ 0°-30°

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: DK. GREEN-GRAY

Texture: MED GR.

Density:

2.

(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz				50-55	no veinlets, but strongly asso. w/ altered + mineralized bt-chlor-epid ± calc ± sul blebs
2 plag	sericite, clay			30	plag 25% alt. to seric, clay (ser > clay); more alt'd xls appear perv. alt'd, but in wkly alt'd plag + le ~~seric + clay appear to be loc'd by fracs + zones~~
3 K-felds				5-10	primary, rel. fresh; < 5% alt'd to ser.
4 bt	chlorite epidote(?)		brown-green	10	20% bt → chlor, tr epid.; Most bt xls at least partially altered; a few rel. fresh, brown larger xls; primary host for Cu mineralization; tr epid in short vein.
5 hornbl.		≤ 2mm		tr	rel. fresh; < 10% → chlor
apatite		v.fine-fine		tr	prisms
	sulfides			1	mostly py asso. w/ mafic (bt-chlor-epid ± calc) clots
	calcite			tr	weak; asso. w/ sulfide-mafic clots

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin

6. Field Classification - Name: GRANODIORITE OR QUARTZ ~~MONZONITE~~ diorite

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
Mod. frac'd.

2. Weathering, Alteration, Staining, Surface Features
Wk seric-clay } pervasive, but apparently fracture-induced
Wk chlor-~~epid~~-ep }

3. Mineralization DISM

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

stained

PETROLOGIC DESCRIPTION

Spec. No: 9-441
Locality: DDH 9
Occurrence:
Field Relns (See C below):

Coll./Exam. by: RRR
Date:
Descr. No:

2-3% sulfides (cp>py); several steep q-sul. vns. up to 5mm

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: DK. GREENISH GRAY

Texture:

Density:

2.

(PRIMARY) Discern.	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz		med		40	1 2mm q vn* cuts pegl sericalt'n, but is in turn X-cut by num. calc? vnlts + tiny seric. vnlts + contains sulfides
2 plag	seric, clay	med		10 excl. seric	80-85% → seric (seric >> clay) V. str. seric alt, perv. — probably introduced by num. ser. vnlts
3 K-felds	[illegible]	fine-med		5-10	rel. fresh comp. to plag; invaded along fracs by sericite
4 bt	chlorite, epidote	med	straw-brown to greenish	10-15	bt 50-60% alt → chlor, minor epidote More alt'd bt commonly hosts py, cpy; some repl. by later sericite
5 hornbl		≤ 1.5mm		tr	40% → chlor
apa		v. fine		tr	numerous tiny prisms, usually w/ qtz sometimes recryst(?) w/ matic masses
	sericite	(veins; < 1mm) v. fine grained		25	several irreg. veinlets; frequently following clvg planes in bt, chlor; distuse thru other min'ls; bifricating; poss. induced calcite-sulfide min'l'n in wr.
	calcite	v. fine		2	V. close affinity to sulfides, particularly in clusters + along vnlts.
	sulfides	fine		1	mostly py; commonly w/ calcite ± chlor, bt esp. in vicin. of sericite vnlts.

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin

6. Field Classification - Name: GRANODIORITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
V. strong fracturing

2. Weathering, Alteration, Staining, Surface Features
Strong sericite alt'n. (dism + vnlts); post-dates chlorite alt'n of mafics
Mod. chloritic alt'n.

3. Mineralization Vnlts > dism; py, cp occur in vnlts containing seric ± q w/ apparent calcite alt'n which commonly served as host for sulfides

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

stained

Over ☐ Yes ☐ No

PETROLOGIC DESCRIPTION

Spec. No: 9-6664
Locality: DDH 9
Occurrence:
Field Relns (See C below):

Coll./Exam. by: RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: GRAY

Texture: PORPH

Density:

2.

	(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1	qtz		med.		45	1/mm vn/lt cuts seric alt.; some later calcite-filled fractures; No sulfides in vn.
2	plag	seric, clay	≤1mm		30	30% → seric; strongest alt'n at centers of xls; seric loc'd by fracs + twinning planes, intern. zones
3	K-felds		fine-med		5	wkly alt'd along fracs.
4	bt	chlor, epidote (bt part. repl.)	≤1.5mm		10	20% → chlor, tr epid. Smaller xls most altered, but largest xls show signs of plug tchem strain
5	hornbl		≤2mm		5	~~15%~~ → ~~calc~~, chlor, ~~epid~~, ~~bt~~ ragged-ended xls. usually asso. w/ other ferromags, sometimes hosts sulfides
	apatite		v. fine		tr	common accessory w/ q; appears to have migrated to matic clots + dism sulfides
		calcite	v. fine		tr	common minor constituent to matic clots
		sulfides	fine		~~0.5~~-1	form centers of matic clots; asso. w/ calc-epid-chlor assemb.

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio = 1:3

5. Evidence on Origin

6. Field Classification - Name: PORPHYRITIC QUARTZ DIORITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
Moderately fractured

2. Weathering, Alteration, Staining, Surface Features
WK seric alt'n.
WK. chlor-epid-calc alt.

3. Mineralization Dism — matic masses

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

Stained.

PETROLOGIC DESCRIPTION

Spec. No: 9-814
Locality: DDH 9
Occurrence:
Field Relns (See C below):

Coll./Exam. by: RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:
   Color:

   Texture:

   Density:

2.

	(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1	qtz		med		40-45	abund qtz "flooding" w/ alt'd frags of plag, bt, tr sulfides in qtz vn spar. rel. to mafic min'ls
2	plag	sericite, clay	med		35	30-80% → seric, clay; ave. 45% → seric; no appar. rel. of seric to 2nd. qtz; ~~the rest altered by qtz~~.
3	K-felds		fine-med		5-10	wkly alt'd along fracs.
4	bt	chlorite, epidote	fine-coarse	brown-yellow-green	10-15	30% alt'd by chlor ± epid, ± seric — along bt clugs. A few larger, rel fresh brown xls
5	hornbl?		med		tr	cut by seric vnlts
	apatite		v. fine		tr	
		calcite	v fine		tr	asso. w/ q flooding + sulfides in clusters; also in tiny (late) veinlets
		sulfides	v. fine - fine		tr	commonly w/ calcite or mafic masses, often broken, possibly fractured by later q

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin

6. Field Classification - Name: GRANODIORITE OR QUARTZ DIORITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
   Mod. frac.

2. Weathering, Alteration, Staining, Surface Features
   Mod seric. + ~~[illegible]~~ 3 later ser vnlts
   wk chlor-epid.

3. Mineralization Dism > vnlts.

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

st.

Over ☐ Yes ☐ No

DIAMOND DRILL LOG

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH 650 BEARING _____ INCLINATION _____

HOLE No. DDH 10 SHEET _____ OF _____

PROPERTY _____ COUNTY _____ STATE _____

COLLAR COORD. N. _____ E. _____

COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
										Rhyd
								oxidized	flds. white - v. palegrn mafics → chlor.	
							70: 30-50% Kspar			
				100						
								wk-fair sulf in vns. c/l dk grey-black envelopes	feldspars white, pinky pale green	
							182-192: serpentine ± chlor.			
				200						
								py > cp	felds. mostly pink much chlor	
							typical			
				300						
								py > cp	flds white - pink	
							Kspar			
				400						
								cp = py	felds. white, pink, v pale green, green wisp fracse vns.	
							Kspar, wkr alt'n		mafics → chlor, esp. near fracs	
								py > cp vns.	flds. pale green-white	P.S.
				500						
								wk py, cp on fracs	occ'l Kspar unit w/ green flds. env. (SSG) mostly fresh appearing, relatively	
				600						
							Kspar			
								wk py on fracs	looks. rel. fresh	

ASSAY INFORMATION

DDH #10

Elev. 4495

Interval	% Cu	% MoS_2
6 - 10	0.01	Nil
10 - 15	0.04	Tr.
15 - 20	0.12	0.1318
20 - 25	0.04	0.0380
25 - 30	0.05	0.0013
30 - 35	0.04	Tr.
35 - 40	0.04	Tr.
40 - 45	0.04	Nil
45 - 50	0.04	Nil
50 - 55	0.05	Tr.
55 - 60	0.07	Tr.
60 - 65	0.07	0.0026
65 - 70	0.07	0.0021
70 - 75	0.11	0.0086
75 - 80	0.09	0.0281
80 - 85	0.09	0.0021
85 - 90	0.10	0.0013
90 - 95	0.03	0.0013
95 - 100	0.15	0.1201
100 - 105	0.06	0.0011
105 - 110	0.08	Tr.
110 - 115	0.07	0.0010
115 - 120	0.23	0.0035
120 - 125	0.07	0.0055
125 - 130	0.08	0.0133
130 - 135	0.07	0.0030
135 - 140	0.12	0.0220
140 - 145	0.04	0.0011
145 - 150	0.23	0.0046
150 - 155	0.06	0.0075
155 - 160	0.15	0.0025
160 - 165	0.05	0.0038
165 - 170	0.06	0.0117
170 - 175	0.03	0.0053
175 - 180	0.01	Nil
180 - 185	0.03	Nil
185 - 190	0.08	Tr.
190 - 195	0.05	Nil
195 - 200	0.02	Tr.
200 - 205	0.02	Nil
205 - 210	0.06	0.0070
210 - 215	0.05	Tr.
215 - 220	0.03	Nil
220 - 225	0.08	0.0016
225 - 230	0.02	0.0026
230 - 235	0.04	0.0021
235 - 240	0.02	Nil
240 - 245	0.01	Nil
245 - 250	0.05	0.0031

Interval	% Cu	% MoS_2
250 - 255	0.03	Nil
255 - 260	0.03	Nil
260 - 265	0.03	Nil
265 - 270	0.06	Tr.
270 - 275	0.01	Nil
275 - 280	0.03	Nil
280 - 285	0.06	0.0032
285 - 290	0.07	0.0201
290 - 295	0.06	0.0492
295 - 300	0.02	Nil
300 - 305	0.02	0.0026
305 - 310	0.04	0.0161
310 - 315	0.03	Tr.
315 - 320	0.12	0.0028
320 - 325	0.15	0.0036
325 - 330	0.02	Tr.
330 - 335	0.02	Tr.
335 - 340	0.03	Tr.
340 - 345	0.03	Nil
345 - 350	0.03	Nil
350 - 355	0.02	Nil
355 - 360	0.04	Tr.
360 - 365	0.12	0.0025
365 - 370	0.01	Nil
370 - 375	0.02	Tr.
375 - 380	0.03	Tr.
380 - 385	0.01	Nil
385 - 390	0.02	Nil
390 - 395	0.14	Tr.
395 - 400	0.07	Tr.
400 - 405	0.03	Tr.
405 - 410	0.03	Nil
410 - 415	0.07	Nil
415 - 420	0.01	Nil
420 - 425	0.04	Nil
425 - 430	0.03	Tr.
430 - 435	0.01	Nil
435 - 440	0.01	Nil
440 - 445	0.04	0.0065
445 - 450	0.04	Nil
450 - 455	0.02	0.0031
455 - 460	0.07	Tr.
460 - 465	0.06	0.0058
465 - 470	0.08	0.0018
470 - 475	0.02	Tr.
475 - 480	0.21	Tr.
480 - 485	0.10	0.0013
485 - 490	0.16	0.0021
490 - 495	0.10	0.0013

$\frac{322}{49} = 0.0657$

$\frac{250}{49} = 0.051$

ASSAY INFORMATION

DDH #10

Interval	% Cu	% MoS_2
495 - 500	0.03	Tr.
500 - 505	0.03	Tr.
505 - 510	0.03	Nil
510 - 515	0.02	0.0028
515 - 520	0.01	Nil
520 - 525	0.05	Tr.
525 - 530	0.06	Tr.
530 - 535	0.04	Nil
535 - 540	0.01	Tr.
540 - 545	0.01	Nil
545 - 550	0.05	0.0023
550 - 555	0.09	0.0063
555 - 560	0.01	0.0048
560 - 565	0.05	0.0070
565 - 570	0.07	0.0018
570 - 575	0.02	Tr.
575 - 580	0.08	0.0018
580 - 585	0.03	Tr.
585 - 590	0.03	0.0046
590 - 595	0.03	0.0013
595 - 600	0.04	Tr.
600 - 605	0.07	0.0038
605 - 610	0.06	0.0036
610 - 615	0.06	Tr.
615 - 620	0.04	0.0016
620 - 625	0.03	0.0028
625 - 630	0.02	Nil
630 - 635	0.08	Tr.
635 - 640	0.02	Tr.
640 - 645	0.03	Tr.
645 - 650	0.05	Tr.

0.031 0.00028 0.045 0.0028 0.046 0.0012

644' @ 0.054

125/31 @ 0.040

49 @ 0.066
49 @ 0.051
31 @ 0.040
0.054

DIAMOND DRILL LOG

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH 913 BEARING _____ INCLINATION _____

HOLE No. DDH 11 SHEET _____ OF _____

PROPERTY _____ COUNTY _____ STATE _____

COLLAR COORD. N. _____ E. _____

COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYBE
										Pegd
				100					str. Kspar-chlor alt.	
							dism py	wk sulfides - vns + fracs		
				200				py > cp	feldspars white + green. mafics mostly fresh	
				300				py in q vns + fracs	vn-related Kspar alt.	
				400			typ	py in sparse vns w/ lt green min'l (chlor?)	str. local Kspar-chlor alt. — loc. by fracs?	
				500				v. wk min.	fresher appearance a few green + pink felds. locally	
				600			typ	fair py in fracs	flds. cloudy white, v. pale olive green, + pink	
				700					incr. Kspar	locally porph.
				800			fresh	virt. all py - vns, fracs	Kspar-chlor - some epid. controlled by fracs + vns	
				900			intensely alt'd	still py — still vns.	Kspar-chlor alt. 898 : to bottom : mafics gone, felds lt. greenish (clays?)	

DIAMOND DRILL LOG

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH 1144 BEARING _____ INCLINATION _____

HOLE No. DDH 12 SHEET _____ OF _____

PROPERTY _____ COUNTY _____ STATE _____

COLLAR COORD. N. _____ E. _____

COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYBE
										Regol
								py > cp, vns.	flds. mostly p. grn matics rel. unalt.	
				100						
								no cp visible tr py	fractd - clay? alt of fldsp.	
				2			typ			
				3			310-430: typical			
								wlk py - vns, fracs.	flds loc. pale green	
				4					465: int. q-ser alt.	
							460-463: sphal. in q vn.		q-ser-py vns, flds. altd in w.r. to pink + greenish much pale green flds.	
				5						
								py >> cp	rel. fresh some clay-ser. near fracs.	
				6						
								few q-py-cp vns.	plag? white, sometimes green in centers, matics fresh	
				7						
									few q-ser. vnlts. rock gen. appears fresh	
				8			typ.			
				9					no Δ	pink min'l
				1000						

DIAMOND DRILL LOG

HOLE No. _____ SHEET _____ OF _____

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH _____ BEARING _____ INCLINATION _____

PROPERTY _____ COUNTY _____ STATE _____ COLLAR COORD. N. _____ E. _____ COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
				1100			1080 - 1144 : typ	tr py in uns	More alt. greenish-gray grnd mass w/ cubic to pink feld. alt. local Kspar ? flooding vn-vcl. felds. tan/white to pink	

DDH-12

ASSAY INFORMATION

Interval	%Cu	%MoS_2	Oz. Au	Oz. Ag
0 - 5	0.06	0.0010		
5 - 10	0.05	0.0003		
10 - 15	0.04	0.0016		
15 - 20.5	0.03	Tr.		
20.5 - 26	0.02	0.0003		
26 - 31.5	0.15	0.0002		
31.5 - 37	0.07	0.0065		
37 - 42.5	0.06	Tr.		
42.5 - 48	0.06	Tr.		
[illegible] - 53.5	0.03	0.0002	(0-100') Nil	Nil
53.5 - 59	0.08	0.0432		
59 - 64.5	0.09	Tr.		
64.5 - 70	0.11	0.0017		
70 - 75	0.07	0.070		
75 - 80	0.40	0.182		
80 - 85	0.16	0.0082		
85 - 90	0.07	Tr.		
90 - 95	0.20	0.0223		
95 - 100	0.21	0.0083		
100 - 105	0.07	0.0003		
105 - 110	0.17	0.0517		
110 - 115	0.09	0.0118		
115 - 120	0.12	0.0038		
120 - 125	0.05	Tr.		
125 - 130	0.07	0.0132		
130 - 135	0.14	0.0003		
[illegible] - 140	0.04	Tr.		
140 - 145	0.05	0.0003		
145 - 150	0.06	Tr.		
150 - 155	0.06	Tr.	(100'-200') Nil	Nil
155 - 160	0.10	0.0047		
160 - 165	0.02	Tr.		
165 - 170	0.05	0.0008		
170 - 175	0.06	Tr.		
175 - 180	0.04	Tr.		
180 - 185	0.03	Tr.		
185 - 190	0.01	Tr.		
190 - 195	0.01	Tr.		
195 - 200	0.01	Tr.		
200 - 205	0.02	Tr.		
205 - 210	0.05	Tr.		
210 - 215	0.02	0.0003		

Interval	%Cu	%MoS_2	Oz.Au	Oz.Ag
215 - 220	0.25	0.0098		
220 - 225	0.06	0.0007		
225 - 230	0.06	Tr.		
230 - 235	0.21	0.0103		
235 - 240	0.04	0.0018		
240 - 245	0.09	0.0003		
245 - 250	0.05	Tr.		
250 - 255	0.08	0.0032	(200'-300') Nil	0.06
255 - 260	0.56	0.0110		
260 - 265	0.22	0.0103		
265 - 270	0.09	0.0003		
270 - 275	0.05	0.0003		
275 - 280	0.05	0.0005		
280 - 285	0.08	0.0105		
285 - 290	0.06	0.0092		
290 - 295	0.07	0.0027		
295 - 300	0.13	0.0239		
300 - 305	0.10	0.0013		
305 - 310	0.31	0.0015		
310 - 315	0.08	Tr.		
315 - 320	0.07	0.0013		
320 - 325	0.05	0.0025		
325 - 330	0.07	0.0006		
330 - 335	0.14	0.0232		
335 - 340	0.08	0.0148		
340 - 345	0.07	0.0075		
345 - 350	0.06	0.0025		
350 - 355	0.15	0.0025	(300'-400') Nil	0.06
355 - 360	0.18	0.0136		
360 - 365	0.10	0.0013		
365 - 370	0.11	0.0217		
370 - 375	0.06	0.0173		
375 - 380	0.17	0.0037		
380 - 385	0.20	0.0028		
385 - 390	0.26	0.0170		
390 - 395	0.24	0.0198		
395 - 400	0.15	0.0142		
400 - 405	0.38	0.0162		
405 - 410	0.08	0.0050		
410 - 415	0.23	0.0065		
415 - 420	0.29	0.0065		
420 - 425	0.07	0.0062		

ASSAY INFORMATION

Interval	%Cu	$\%MoS_2$	Oz.Au	Oz.Ag
425 - 430	0.10	0.0042		
430 - 435	0.06	0.0025		
435 - 440	0.07	0.0013		
440 - 445	0.09	0.0459		
445 - 450	0.05	0.0010		
450 - 455	0.15	0.0026	(400'-500')Nil	0.06
455 - 460	0.09	0.0005		
460 - 465	0.09	0.0073		
465 - 470	0.11	0.0003		
[illegible] - 475	0.14	Tr.		
[illegible] - 480	0.05	Tr.		
480 - 485	0.11	0.0022		
485 - 490	0.07	0.0022		
490 - 495	0.11	0.0033		
495 - 500	0.29	0.0005		
500 - 505	0.10	0.0006		
505 - 510	0.11	0.0052		
510 - 515	0.13	0.0030		
515 - 520	0.14	0.0067		
520 - 525	0.13	0.0030		
525 - 530	0.16	0.0016		
530 - 535	0.17	0.0138		
535 - 540	0.14	0.0027		
540 - 545	0.10	0.0018		
545 - 550	0.13	0.0022		
550 - 555	0.18	0.0031	(500'-600')Nil	0.03
[illegible] - 560	0.11	0.0022		
560 - 565	0.20	0.0047		
565 - 570	0.19	0.0115		
570 - 575	0.49	0.0083		
575 - 580	0.15	0.0045		
580 - 585	0.11	0.0025		
585 - 590	0.19	0.0013		
590 - 595	0.11	0.0028		
595 - 600	0.19	0.0008		
600 - 605	0.09	0.0008		
605 - 610	0.10	0.0195		
610 - 615	0.07	0.0016		
615 - 620	0.12	0.0025		
620 - 625	0.18	0.0052		
625 - 630	0.11	0.0065		
630 - 635	0.09	0.0016		

Interval	%Cu	$\%MoS_2$	Oz.Aug	Oz.Ag
635 - 640	0.09	0.0075		
640 - 645	0.36	0.0162		
645 - 650	0.24	0.0382		
650 - 655	0.05	0.0005	(600'-700')	
655 - 660	0.16	0.0053		
660 - 665	0.32	0.0058		
665 - 670	0.15	0.0075		
670 - 675	0.10	0.0008		
675 - 680	0.15	0.0007		
680 - 685	0.24	0.0220		
685 - 690	0.21	0.0220		
690 - 695	0.43	0.0018		
695 - 700	0.22	0.0170		
700 - 705	0.13	0.0032		
705 - 710	0.07	0.0010		
710 - 715	0.30	0.0300		
715 - 720	0.23	0.1735		
720 - 725	0.21	0.0070		
725 - 730	0.06	0.0025		
730 - 735	0.19	0.0397		
735 - 740	0.10	0.0003		
740 - 745	0.15	0.0020		
745 - 750	0.21	0.0277		
750 - 755	0.33	0.220	(700'-800')Nil	0.06
755 - 760	0.22	0.0242		
760 - 765	0.16	0.0095		
765 - 770	0.06	0.0185		
770 - 775	0.21	0.0016		
775 - 780	0.23	0.0053		
780 - 785	0.22	0.0143		
785 - 790	0.11	0.0082		
790 - 795	0.19	0.0106		
795 - 800	0.15	0.0032		
800 - 805	0.41	0.0125		
805 - 810	0.13	0.0440		
810 - 815	0.10	0.0003		
815 - 820	0.09	0.0075		
820 - 825	0.16	0.0047		
825 - 830	0.17	0.0517		
830 - 835	0.12	0.0123		
835 - 840	0.09	0.0033		
840 - 845	0.22	0.0110		

ASSAY INFORMATION

Interval	%Cu	$\%MoS_2$	Oz.Au	Oz.Ag
845 - 850	0.14	0.0038		
850 - 855	0.18	0.0467	(800'-900')Nil	0.03
855 - 860	0.17	0.0884		
860 - 865	0.16	0.0042		
865 - 870	0.26	0.0634		
870 - 875	0.11	0.0312		
875 - 880	0.25	0.1935		
880 - 885	0.13	0.0123		
885 - 890	0.18	0.0047		
890 - 895	0.08	0.0007		
895 - 900	0.17	0.0016		
900 - 905	0.16	0.0584		
905 - 910	0.12	0.0092		
910 - 915	0.18	0.0073		
915 - 920	0.06	0.0072		
920 - 925	0.24	0.1501		
925 - 930	0.30	0.0550		
930 - 935	0.16	0.0450		
935 - 940	0.06	0.0047		
940 - 945	0.18	0.0292		
945 - 950	0.10	0.0533		
950 - 955	0.16	0.0483		
955 - 960	0.10	0.0082		
960 - 965	0.11	0.0015		
965 - 970	0.13	0.0235		
970 - 975	0.26	0.0264		
975 - 980	0.20	0.0205		
980 - 985	0.08	0.0008		
985 - 990	0.06	0.0025		
990 - 995	0.23	0.0801		
995 - 1000	0.13	0.0063		
1000 - 1005	0.10	0.0292		
1005 - 1010	0.25	0.0126		
1010 - 1015	0.16	0.0475		
1015 - 1020	0.10	0.0028		
1020 - 1025	0.08	0.0173		
1025 - 1030	0.18	0.0031		
1030 - 1035	0.27	0.0060		
1035 - 1040	0.26	0.0260		
1040 - 1045	0.27	0.0047		
1045 - 1050	0.19	0.0143		

Interval	%Cu	$\%MoS_2$	Oz.Au	Oz.Ag
1050 - 1055	0.33	0.0058		
1055 - 1060	0.76	0.0198		
1060 - 1065	0.31	0.0600		
1065 - 1070	0.23	0.0242		
1070 - 1075	0.10	0.0684		
1075 - 1080	0.11	0.0060		
1080 - 1085	0.06	0.0047		
1085 - 1090	0.05	Tr.		
1090 - 1095	0.21	0.0160		
1095 - 1100	0.06	0.0003		
1100 - 1105	0.07	0.0007		
1105 - 1110	0.22	0.0217		
1110 - 1115	0.22	0.0634		
1115 - 1120	0.11	0.0022		
1120 - 1125	0.09	0.0003		
1125 - 1130	0.08	0.0018		
1130 - 1135	0.19	0.0027		
1135 - 1140	0.05	Tr.		
1140 - 1144	0.05	Tr.		

DDH #12

INTERVALS AVERAGED

Interval	% Cu	% MoS_2
0 - 64.5	0.06	0.004
64.5 - 135	0.14	0.027
135 - 215	0.04	Tr.
215 - 265	0.16	0.005
265 - 350	0.09	0.006
350 - 420	0.18	0.011
420 - 510	0.10	0.005
510 - 640	0.15	0.005
640 - 720	0.21	0.021
720 - 880	0.17	0.024
880 - 1030	0.15	0.025
1030 - 1070	0.32	0.020
1070 - 1144	0.11	0.012
640 - 1070	0.18	0.023

DIAMOND DRILL LOG

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH 1123 BEARING _____ INCLINATION _____

HOLE No. DDH-13 SHEET _____ OF _____

PROPERTY _____ COUNTY _____ STATE _____

COLLAR COORD. N. _____ E. _____

COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
								neg.		Pegd much less frac'd
				100					coarse grnd, fresh	
				2					tr vnt. epid. still fresh	
				3					fresh, K-spar dikes	
				4			typ		still fresh bt. shiny, black	
				5				tr cp in bt bleb (in healed frac)	no Δ	
				6				good occ'l cp in q vn.	fresh, flds. sl. mare green locally, in vicin. of q-cp vn.	q-cp vn P.S.
				7			fresh 740-950: typ	py > cp, all in q vns.	still v. coarse, fresh	
				8				"	"	
				9				sulfides occur as massive py+cp in q vns	"	
				1000					wk calc-vns	

Min	Alt
1100	cont'd fresh
1123 ——	fresh to bottom

ddh-13

ASSAY INFORMATION

Interval	%Cu	%MoS_2	Oz. Au	Oz. Ag
0 - 5	0.23	.0018		
5 - 10	0.13	.0025		
10 - 15	0.12	.0035		
15 - 20	0.0575	.001		
20 - 25	0.60	.006		
25 - 30	0.0750	.0002		
30 - 35	0.49	.0182		
35 - 40	0.0235	.0002		
40 - 45	0.0575	.0003		
45 - 50	0.0615	.0003		
50 - 55	0.0850	.002		
55 - 60	0.0715	.006		
60 - 65	0.0940	.0013		
65 - 70	0.0425	.0007		
70 - 75	0.0760	.0007		
75 - 80	0.0230	-.0002		
80 - 85	0.0435	.0007		
85 - 90	0.0125	.0032		
90 - 95	0.0420	.0050	(Comp. 0 -100')	
95 - 100	0.0210	.0013	-0.003	-0.03
100 - 105	0.0220	.0008		
105 - 110	0.0225	.0010		
110 - 115	0.0725	.0017		
115 - 120	0.21	.0025		
120 - 125	0.0260	.0027		
125 - 130	0.11	.0050		
130 - 135	0.0855	.0087		
135 - 140	0.0485	.0043		
140 - 145	0.0165	.0063		
145 - 150	0.0270	.0010		
150 - 155	0.0170	.0013		
155 - 160	0.0110	.0005		
160 - 165	0.25	.0042		
165 - 170	0.0035	.0007		
170 - 175	0.0145	.0013		
175 - 180	0.0065	-.0002		
180 - 185	0.12	.0007		
185 - 190	0.0230	.0007		
190 - 195	0.0180	-.0002	(Comp. 100 - 200')	
195 - 200	0.0080	-.0002	-0.003	-0.003

Interval	%Cu	%MoS_2	Oz. Au	Oz. Ag
200 - 205	0.0340	.0027		
205 - 210	0.0165	.0002		
210 - 215	0.0135	.0002		
215 - 220	0.0110	-.0002		
220 - 225	0.0435	.0027		
225 - 230	0.10	.0098		
230 - 235	0.0090	.0002		
235 - 240	0.0145	.0115		
240 - 245	0.0185	-.0002		
245 - 250	0.15	.018		
250 - 255	0.13	.1351		
255 - 260	0.11	.0063		
260 - 265	0.0415	.0008		
265 - 270	0.18	.0155		
270 - 275	0.0175	.0007		
275 - 280	0.25	.0008		
280 - 285	0.34	.0018		
285 - 290	0.0275	-.0002		
290 - 295	0.0485	.0005	(Comp. 200 - 300')	
295 - 300	0.12	.0601	-0.003	0.03
300 - 305	0.0495	.0127		
305 - 310	0.0185	-.0002		
310 - 315	0.0235	.0007		
315 - 320	0.0690	.001		
320 - 325	0.0990	.0032		
325 - 330	0.0700	.0053		
330 - 335	0.30	.039		
325 - 340	0.0760	.0043		
340 - 345	0.0345	.0042		
345 - 350	0.0250	.0003		
350 - 355	0.0920	.0098		
355 - 360	0.0635	.0295		
360 - 365	0.17	.0027		
365 - 370	0.12	.0055		
370 - 375	0.0850	.0214		
375 - 380	0.0310	.0007		
380 - 385	0.15	.0132		
385 - 390	0.12	.0027		
390 - 395	0.41	.0634	(Comp. 300 - 400')	
395 - 400	0.0750	.1312	-0.003	0.03

ASSAY INFORMATION

Interval	%Cu	$\%MoS_2$	Oz. Au	Oz. Ag
400 - 405	.0470%	.0058		
405 - 410	.0330	.0017		
410 - 415	.0330	.0063		
415 - 420	.0095	.0007		
420 - 425	.0230	.0013		
425 - 430	.0425	.0047		
430 - 435	.0925	.001		
435 - 440	.0380	.001		
440 - 445	.0165	.0005		
445 - 450	.0510	.0013		
450 - 455	0.11%	.0055		
455 - 460	.0145	.0002		
460 - 465	.0605	.0003		
465 - 470	.0515	.0013		
470 - 475	0.13%	.0048		
475 - 480	.0305	-.0002		
480 - 485	.0330	.0002		
485 - 490	.0175	-.0002		
490 - 495	.0320	.0002	(Comp. 400 - 500')	
495 - 500	.0500	.0165	-0.003	-0.03
500 - 505	.0315	.0002		
505 - 510	0.27%	.0032		
510 - 515	0.11%	.0013		
515 - 520	.0775	.0003		
520 - 525	.0750	.0070		
525 - 530	0.47%	.0127		
530 - 535	0.39%	.0194		
535 - 540	0.14%	.0068		
540 - 545	0.0455%	.0194		
545 - 550	0.0650%	.0667		
550 - 555	0.0455%	.0002		
555 - 560	0.0480%	-.0002		
560 - 565	0.0355%	.0042		
565 - 570	0.14%	.001		
570 - 575	0.25%	.0147		
575 - 580	0.20%	.0108		
580 - 585	0.32%	.0025		
585 - 590	.0955%	.0025		
590 - 595	0.90%	.0002	(Comp. 500 - 600')	
595 - 600	.0180%	.0002	-0.003	-0.03

Interval	%Cu	$\%MoS_2$	Oz. Au	Oz. Ag
600 - 605	0.031	0.001		
605 - 610	0.053	0.001		
610 - 615	0.072	0.002		
615 - 620	0.031	0.079		
620 - 625	0.038	0.003		
625 - 630	0.044	0.001		
630 - 635	0.220	0.018		
635 - 640	0.021	0.029		
640 - 645	0.062	0.026		
645 - 650	0.010	-0.001		
650 - 655	0.005	-0.001		
655 - 660	0.029	0.004		
660 - 665	0.087	0.003		
665 - 670	0.052	0.002		
670 - 675	0.078	0.070		
675 - 680	0.015	-0.001		
680 - 685	0.009	0.001		
685 - 690	0.005	-0.001		
690 - 695	0.049	0.036	(Comp. 600 - 700')	
695 - 700	0.047	0.073	-0.029	-0.003
700 - 705	-0.01	-0.001		
705 - 710	0.07	0.007		
710 - 715	0.12	0.007		
715 - 720	0.01	0.002		
720 - 725	0.13	0.003		
725 - 730	0.15	0.077		
730 - 735	0.07	0.004		
735 - 740	0.02	-0.001		
740 - 745	0.06	0.050		
745 - 750	0.15	0.004		
750 - 755	0.03	0.002		
755 - 760	0.03	-0.001		
760 - 765	0.05	-0.001		
765 - 770	0.04	0.038		
770 - 775	0.06	0.001		
775 - 780	0.12	0.039		
780 - 785	0.21	0.045		
785 - 790	0.03	0.001		
790 - 795	0.02	-0.001	(Comp. 700 - 800')	
795 - 800	0.07	0.001	0.029	-0.003

ASSAY INFORMATION

Interval	%Cu	%MoS_2	Oz. Au	Oz. Ag
800 - 805	0.072	0.009		
805 - 810	0.030	-0.001		
810 - 815	0.028	0.001		
815 - 820	0.027	0.014		
820 - 825	0.079	0.010		
825 - 830	0.042	0.009		
830 - 835	0.097	0.020		
835 - 840	0.080	0.073		
840 - 845	0.120	0.010		
845 - 850	0.079	0.013		
850 - 855	0.068	0.005		
855 - 860	0.040	-0.001		
860 - 865	0.038	0.014		
865 - 870	0.110	0.072		
870 - 875	0.062	0.003		
875 - 880	0.037	0.003		
880 - 885	0.130	0.036		
885 - 890	0.019	0.002		
890 - 895	0.017	0.002	(Comp. 800 - 900')	
895 - 900	0.110	0.032	-0.029	-0.003
900 - 905	0.034	0.005		
905 - 910	0.021	0.048		
910 - 915	0.033	0.003		
915 - 920	0.027	0.003		
920 - 925	0.078	0.011		
925 - 930	0.074	0.025		
930 - 935	0.061	0.011		
935 - 940	0.074	0.051		
940 - 945	0.110	0.036		
945 - 950	0.220	0.043		
950 - 955	0.096	0.002		
955 - 960	0.140	0.006		
960 - 965	0.062	0.098		
965 - 970	0.051	0.009		
970 - 975	0.022	0.002		
975 - 980	0.078	0.003		
980 - 985	0.100	0.010		
985 - 990	0.210	0.103		
990 - 995	0.160	0.032	(Comp. 900 - 1000')	
995 -1000	0.180	0.284	-0.029	-0.003

Interval	%Cu	%MoS_2	Oz. Au	Oz. Ag
1000 - 1005	0.041	0.008		
1005 - 1010	0.071	0.034		
1010 - 1015	0.070	0.009		
1015 - 1020	0.025	0.002		
1020 - 1025	0.104	0.030		
1025 - 1030	0.032	0.006		
1030 - 1035	0.022	0.005		
1035 - 1040	0.073	0.009		
1040 - 1045	0.089	0.021		
1045 - 1050	0.082	0.065		
1050 - 1055	0.031	0.002		
1055 - 1060	0.014	0.002		
1060 - 1065	0.160	0.130		
1065 - 1070	0.031	0.003		
1070 - 1075	0.018	0.002		
1075 - 1080	0.056	0.100		
1080 - 1085	0.007	0.002		
1085 - 1090	0.026	0.023		
1090 - 1095	0.064	0.042		
1095 - 1100	0.075	0.022		
1100 - 1105	0.200	0.024		
1105 - 1110	0.026	0.004		
1110 - 1115	0.130	0.031		
1115 - 1120	0.022	0.003		
1120 - 1123	0.022	0.002	Total Depth	
1000 - 1123	Composite		-0.003	-0.029

INTERVALS AVERAGED
DDH - 13

Interval		% Cu	% MoS_2
0 - 35'	35	0.24	0.005
35 - 245'	210	0.05	0.002
245 - 300'	55	0.13	0.02
300 - 360'	60	0.07	0.009
360 - 395'	35	0.15	0.016
395 - 525'	130	0.06	0.001
525 - 595'	70	0.22	0.011
595 - 710'	115	0.04	0.016
710 - 730'	20	0.10	0.022
730 - 980'	250	0.07	0.017
980 - 1000'	20	0.16	0.107
1000 - 1123'	123	0.06	0.023
	1123	0.083	

DIAMOND DRILL LOG

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH 956 BEARING _____ INCLINATION _____

HOLE No. DDH-14 SHEET _____ OF _____

PROPERTY _____ COUNTY _____ STATE _____

COLLAR COORD. N. _____ E. _____

COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
								cp, py in sparse q vnlts	fresh appearance	PEGd qtz monz?
				100			125: K alt'n avrd plag.		mafics unaltered	
				2					no Δ	
							290: sporadic Kspar flooding			p.s. rounded xenoliths of gabbroic rk,
				3						q dior?
				4				q wk vnd. sul.		
				5					no Δ, fresh	
				6				v. sparse dism py, cp py ≅ cp		
				7			less Kspar	more f-cp-py vnlts	alt. incr. ~690 more 2nd. Kspar?	
				8				py > cp, inq vns up to 1.5 cm. massive.	v. wk Kspar alt. near q-sul. vns.	
				9			potassic alt'n ?		fresh, mafics unalt.	

ASSAY INFORMATION DDH #14

Interval	%Cu	%MoS_2	Oz. Au	Oz. Ag
20 - 25	0.072	0.001		
25 - 30	0.019	0.001		
30 - 35	0.046	0.018		
35 - 40	0.054	0.009		
40 - 45	0.061	0.009		
45 - 50	0.012	0.002		
50 - 55	0.024	0.003		
55 - 60	0.046	0.007		
60 - 65		0.007		
65 - 70	0.008	0.001		
70 - 75	0.049	0.030		
75 - 80	0.065	0.003		
80 - 85	0.034	0.002		
85 - 90	0.015	0.007		
90 - 95	0.053	0.045	(Comp. 20 - 100)	
95 -100	0.043	0.003	-0.003	-.029
100 -105	0.022	0.002		
105 -110	0.027	0.002		
110 -115	0.120	0.038		
115 -120	0.056	0.007		
120 -125	0.057	0.011		
125 -130	0.100	0.027		
130 -135	0.030	0.028		
135 -140	0.046	0.006		
140 -145	0.068	0.049		
145 -150	0.110	0.016		
150 -155	0.034	0.005		
155 -160	0.430	0.028		
160 -165	0.280	0.016		
165 -170	0.110	0.005		
170 -175	0.022	0.006		
175 -180	0.014	0.002		
180 -185	0.023	0.002		
185 -190	0.084	0.011		

Interval	%Cu	%MoS_2	Oz. Au	Oz. Ag
190 - 195	0.049	-0.001		
195 - 200	0.016	0.002		
200 - 205	0.059	0.021		
205 - 210	0.032	0.006		
210 - 215	0.068	0.004		
215 - 220	0.046	0.002		
220 - 225	0.044	0.006		
225 - 230	0.059	0.016		
230 - 235	0.022	0.005		
235 - 240	0.053	0.019		
240 - 245	0.013	0.003		
245 - 250	0.049	0.031		
250 - 255	0.051	0.003		
255 - 260	0.009	0.002		
260 - 265	0.034	0.001		
265 - 270	0.100	0.008		
270 - 275	0.066	0.004		
275 - 280	0.086	0.001		
280 - 285	0.032	-0.001		
286 - 290	0.022	0.002		
290 - 295	0.058	0.007	(Comp. 200 - 300)	
295 - 300	0.069	0.008	-0.003	-0.029
300 - 305	0.044	0.008		
305 - 310	0.014	0.001		
310 - 315	0.130	0.026		
315 - 320	0.021	0.001		
320 - 325	0.068	0.003		
325 - 330	0.052	0.002		
330 - 335	0.039	0.020		
335 - 340	0.033	0.001		
340 - 345	0.079	0.027		
345 - 350	0.071	0.005		
350 - 355	0.037	-0.001		
355 - 360	0.039	0.010		
360 - 365	0.073	0.002		

ASSAY INFORMATION

Interval	%Cu	%MoS_2	Oz. Au	Oz. Ag
365 - 370	0.030	0.002		
370 - 375	0.029	0.003		
375 - 380	0.040	0.001		
380 - 385	0.035	0.021		
385 - 390	0.037	0.001		
390 - 395	0.034	0.001	(Comp. 300 - 400)	
395 - 400	0.040	0.003	-0.003	-0.029
400 - 405	0.045	0.001		
405 - 410	0.058	-0.001		
410 - 415	0.064	0.004		
415 - 420	0.055	0.002		
420 - 425	0.070	0.003		
425 - 430	0.090	0.002		
430 - 435	0.110	0.013		
435 - 440	0.053	0.010		
440 - 445	0.059	0.007		
445 - 450	0.220	0.056		
450 - 455	0.140	0.019		
455 - 460	0.200	0.022		
460 - 465	0.170	0.001		
465 - 470	0.076	0.011		
470 - 475	0.110	0.007		
475 - 480	0.055	0.002		
480 - 485	0.071	-0.001		
485 - 490	0.088	0.002		
490 - 495	0.110	0.019	(Comp. 400 - 500)	
495 - 500	0.069	-0.001	-0.003	-0.029
500 - 505	0.097	0.009		
505 - 510	0.041	0.001		
510 - 515	0.087	0.008		
515 - 520	0.103	0.009		
520 - 525	0.120	0.012		
525 - 530	0.044	-0.001		
530 - 535	0.105	0.005		

Interval	%Cu	%MoS_2	Oz. Au	Oz. Ag
535 - 540	0.053	0.008		
540 - 545	0.130	0.024		
545 - 550	0.068	0.003		
550 - 555	0.145	0.004		
555 - 560	0.140	0.002		
560 - 565	0.099	0.001		
565 - 570	0.150	0.002		
570 - 575	0.115	-0.001		
575 - 580	0.290	0.012		
580 - 585	0.125	0.030		
585 - 590	0.089	0.008		
590 - 595	0.115	0.019	(Comp. 500 - 600)	
595 - 600	0.160	-0.001	-0.003	-0.029
600 - 605	0.105	0.003		
605 - 610	0.076	0.005		
610 - 615	0.093	0.011		
615 - 620	0.140	0.012		
620 - 625	0.076	-0.001		
625 - 630	0.115	0.030		
630 - 635	0.063	0.003		
635 - 640	0.054	0.003		
640 - 645	0.083	0.008		
645 - 650	0.140	0.004		
650 - 655	0.180	0.009		
655 - 660	0.135	0.006		
660 - 665	0.140	0.002		
665 - 670	0.067	0.259		
670 - 675	0.058	0.003		
675 - 680	0.045	-0.001		
680 - 685	0.056	0.007		
685 - 690	0.068	0.013		
690 - 695	0.093	0.011	(Comp. 600 - 700)	
695 - 700	0.155	0.007	-0.003	-0.029
700 - 705	0.061	0.004		

ASSAY INFORMATION

Interval	%Cu	%MoS_2	Oz. Au	Oz. Ag
705 - 710	0.195	0.003		
710 - 715	0.064	0.001		
715 - 720	0.150	0.020		
720 - 725	0.140	0.003		
725 - 730	0.104	0.004		
730 - 735	0.115	0.018		
735 - 740	0.210	0.008		
740 - 745	0.155	0.003		
745 - 750	0.125	0.011		
750 - 755	0.260	0.037		
755 - 760	0.145	0.010		
760 - 765	0.150	0.006		
765 - 770	0.084	0.002		
770 - 775	0.300	0.030		
775 - 780	0.235	0.022		
780 - 785	0.068	0.002		
785 - 790	0.078	0.003		
790 - 795	0.115	0.003	(Comp. 700 - 800)	
795 - 800	0.145	0.056	-0.003	-0.029
800 - 805	0.076	0.008		
805 - 810	0.155	0.013		
810 - 815	0.100	0.064		
815 - 820	0.108	0.003		
820 - 825	0.135	0.142		
825 - 830	0.116	0.029		
830 - 835	0.120	0.027		
835 - 840	0.135	0.017		
840 - 845	0.075	0.004		
845 - 850	0.094	0.008		
850 - 855	0.069	0.041		
855 - 860	0.100	0.008		
860 - 865	0.097	0.059		
865 - 870	0.069	0.013		
870 - 875	0.064	0.009		
875 - 880	0.106	0.002		
880 - 885	0.074	0.034		
885 - 890	0.185	0.058		

Interval	%Cu	%MoS_2	Oz. Au	Oz. Ag
890 - 895	0.140	0.018	(Comp. 800 - 900)	
895 - 900	0.185	0.032	-0.003	-0.029
900 - 905	0.100	0.008		
905 - 910	0.180	0.028		
910 - 915	0.102	0.004		
915 - 920	0.225	0.033		
920 - 925	0.211	0.096		
925 - 930	0.170	0.007		
930 - 935	0.210	0.009		
935 - 940	0.141	0.148		
940 - 945	0.043	0.003		
945 - 950	0.059	0.002	(Comp. 900 - 956)	
950 - 956	0.038	0.005	-0.003	-0.029

DDH #14

INTERVALS AVERAGED

Interval		% Cu	% MoS_2
20 - 145	125	0.05	0.013
145 - 170	25	0.17	0.014
170 - 445	275	0.05	0.006
445 - 665	220	0.11	0.009
665 - 715	50	0.09	0.031
715 - 940	225	0.14	0.026
940 - 956	16	0.05	0.003
	936	0.091	

PETROLOGIC DESCRIPTION

Spec. No: 14-955
Locality: DDH 14
Occurrence:
Field Relns (See C below):

Coll./Exam. by: RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: GREENISH to PINKISH GRAY

Texture: COARSE GR.

Density:

2.

	(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1	qtz				30	non-host
2	plag	sericite, clays			35	Strongly alt by sericite, minor clay. Internal structure usually destroyed; 90% alt. clvgs in hornbl. Seric. in units + along
3	K-felds		fine-med		5-10	mottled texture on edges, internally fresh
4	hornbl	chlor	≤ 3mm		20	100% → chlor/bluish tmavomodr. (pen.) xls exhibit good clvg; bluish birif.; occasionally hosts sulfides (dism)
5	bt		fine	straw brown	5	wkly altd to chlor; some repl. of hornbl.
	apatite				tr	
	pyroxene				tr?	
		calcite			tr	Numerous associations w/ sulfides ~~seric~~ in small clusters;
		sulfides			.5	Usually asso. w/ sericite or matic min'ls (hornbl), esp at xl interfaces, also w/ calcite

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin

6. Field Classification - Name: GRANODIORITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
   wk-mod fracs.

2. Weathering, Alteration, Staining, Surface Features
   Strong seric.-calc alt'n.
   wk chlor.

3. Mineralization Dism, part. w/ calcite, also w/ matic min'ls.

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

stn.

DIAMOND DRILL LOG

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH 950 BEARING _____ INCLINATION _____

HOLE No. DDH-16 SHEET _____ OF _____

PROPERTY _____ COUNTY _____ STATE _____

COLLAR COORD. N. _____ E. _____

COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
				100						
							185 : K spar			
				2				cp-py in h.l. vnlts + fracs.	appears rel. fresh some silic	
				3				cp > py	locally dlk grey matrix (q-ser?) w/ incr. sulfides	
							385: potassic?		incr. Kspar ca. 350' mafics → chlor	
				4				sul. loc. by fracs cp > py	5% pink flds. bt. black + shiny	
				5					mudst vnd. calc. + $CaCO_3$ in cavities bleached, few mafics flds → lt. tangrn.	
				6			620: potassic?		local str. pink feld. + chlor.	
				7					705: v sim. to 510 evid. of much frac'g w/c $CaCO_3$	
				8				py, cp on fracs py > cp	still bleached appearance	
				9			900-925: Kspar, sericite		" locally wine Kspar	

ASSAY INFORMATION

Collar Elevation

Interval	%Cu		%MoS_2	Oz. Au	Oz. Ag
0 - 5	0.08		-.001		
5 - 10	0.09	.0869	.001		
10 - 15	0.09		-.001		
15 - 20	0.24		-.001		
20 - 25	0.18		-.001		
25 - 30	0.15	.1775	-.001		
30 - 35	0.14		.001		
35 - 40	0.24		-.001		
40 - 45	0.20	.22	.002		
45 - 50	0.19		.004		
50 - 55	0.18	.1610 .185	-.001		
55 - 60	0.21	.1766	-.001		
60 - 65	0.29		.001		
65 - 70	0.20	.235	.002		
70 - 75	0.24		.002		
75 - 80	0.14		.002		
80 - 85	0.22		.006		
85 - 90	0.17		.008		
90 - 95	0.13	.16	-.001	(Comp. 0 - 100')	
95 -100	0.21		.004	-.003	-.029
100 -105	0.09		.002		
105 -110	0.16		.010		
110 -115	0.31		.012		
115 -120	0.21	.26	.013		
120 -125	0.09		.075		
125 -130	0.18		-.001		
130 -135	0.04		-.001		
135 -140	0.08	.1143	.011		
140 -145	0.08		-.001		
145 -150	0.22		.054		
150 -155	0.11	.169	.011		
155 -160	0.23	.170	.014		
160 -165	0.35		.009		
165 -170	0.21		.004		
170 -175	0.24		.020		
175 -180	0.24	.248	.016		
180 -185	0.30		.011		
185 -190	0.24		.051		
190 -195	0.15		.009	(Comp. 100'-200'	
195 -200	0.30		.009	-.003	-.029

Interval	%Cu		%MoS_2	Oz. Au	Oz. Ag
200 - 205	0.22		.030		
205 - 210	0.15	.165	.030		
210 - 215	0.18		.015		
215 - 220	0.20		.020		
220 - 225	0.31		.017		
225 - 230	0.24		.019		
230 - 235	0.25		.017		
235 - 240	0.16	.2081	.015		
240 - 245	0.28		.020		
245 - 250	0.38		.020		
250 - 255	0.25	.232	.013		
255 - 260	0.26	.246	.012		
260 - 265	0.37		.012		
265 - 270	0.29		.013		
270 - 275	0.31		.012		
275 - 280	0.34		.017		
280 - 285	0.32	.3222	.015		
285 - 290	0.32		.016		
290 - 295	0.25		.009	(Comp. 200'-300'	
295 - 300	0.37		.012	.004	.11
300 - 305	0.33		.027		
305 - 310	0.23		.009		
310 - 315	0.34	.2733	.010		
315 - 320	0.25		.016		
320 - 325	0.33		.033		
325 - 330	0.30		.023		
330 - 335	0.29		.026		
335 - 340	0.45	.3467	.029		
340 - 345	0.38		.028		
345 - 350	0.33		.023		
350 - 355	0.18	.3126	.013	.0177	
355 - 360	0.14		.042		
360 - 365	0.33		.020		
365 - 370	0.23		.016		
370 - 375	0.28		.029		
375 - 380	0.33		.023		
380 - 385	0.23	.2553	.013		
385 - 390	0.18		.026		
390 - 395	0.23		.031	(Comp. 300'-400'	
395 - 400	0.29		.049	.002	.10

ASSAY INFORMATION

Interval		%Cu		%MoS_2	Oz. Au	Oz. Ag
400 - 405		0.22		.031		
405 - 410		0.22		.061		
410 - 415		0.24		.017		
415 - 420		0.26		.022		
420 - 425		0.32		.026		
425 - 430		0.36		.031		
430 - 435		0.41		.028		
435 - 440	35	0.26	.3521	.021		
440 - 445		0.31		.011		
445 - 450		0.43		.023		
450 - 455		0.38	.285	.080		
455 - 460		0.20		.016		
460 - 465	15	0.16	.2033	.013		
465 - 470		0.25		.013		
470 - 475		0.32		.026		
475 - 480	10	0.36	.34	.033		
480 - 485		0.19		.013		
485 - 490		0.29		.020		
490 - 495		0.18		.012	(Comp.400'-500')	
495 - 500		0.33		.017	Tr.	.07
500 - 505		0.16		.012		
505 - 510		0.28		.013		
510 - 515		0.25		.019		
515 - 520		0.27		.008		
520 - 525	90	0.27	.2533	.013		
525 - 530		0.34		.030		
530 - 535		0.20		.030		
535 - 540		0.19		.025		
540 - 545		0.24		.024		
545 - 550		0.25		.024		
550 - 555		0.29	.251	.013		
555 - 560		0.24		.032		
560 - 565		0.35		.012		
565 - 570		0.24		.014		
570 - 575	X	0.13		.009		
575 - 580		0.10		.009		
580 - 585		0.17		.013		
585 - 590	75	0.19	.188	.027		
590 - 595		0.21		.012	Comp.500'-600')	
595 - 600		0.14		.021	Tr.	.02

Interval		%Cu		%MoS_2	Oz. Au	Oz. Ag
600-605		0.12		.005		
605-610		0.06		.008		
610-615		0.16		.008		
615-620		0.10		.008		
620-625		0.16		.013		
625-630		0.15		.008		
630-635		0.07		.006		
635-640		0.13		.004		
640-645		0.18		.013		
645-650		0.09		.006		
650-655	10	0.06	.075	.006		
655-660		0.14		.012		
660-665	15	0.13	.1467	.006		
665-670		0.17		.006		
670-675		0.27		.009		
675-680		0.19		.008		
680-685		0.21		.013		
685-690		0.34		.014		
690-695	40	0.18	.2536	.005	(Comp. 600'-700')	
695-700		0.34		.006	Tr.	Tr.
700-705		0.26		.014		
705-710		0.24		.0062		
710-715		0.47		.001		
715-720		0.21		.003		
720-725		0.38		.014		
725-730	35	0.32	.3643	.008		
730-735		0.34		.009		
735-740		0.48		.012		
740-745		0.35		.008		
745-750		0.14		.003		
750-755	15	0.11	.1433	.016		
755-760		0.18		.003		
760-765		0.20		.015		
765-770	10	0.22	.21	.009		
770-775		0.34		.005		
775-780	10	0.44	.39	.004		
780-785		0.28		.011		
785-790		0.27		.007		
790-795	20	0.33	.29	.006	(Comp. 700'-800')	
795-800		0.28		.013	Tr.	.12

ASSAY INFORMATION

Interval	%Cu	%MoS_2	Oz. Au	Oz. Ag
800 - 805	0.19	.018		
805 - 810	0.17	.024		
810 - 815	0.22	.008		
815 - 820	0.32	.017		
820 - 825	0.30	.012		
825 - 830	0.26	.032		
830 - 835	0.19	.007		
835 - 840	0.22	.009		
840 - 845	0.41	.006		
845 - 850	0.20	.004		
850 - 855	0.06	.003		
855 - 860	0.02	.002		
860 - 865	0.02	.001		
865 - 870	0.05	.001		
870 - 875	0.03	.002		
875 - 880	0.02	Tr.		
880 - 885	0.01	.001		
885 - 890	0.02	.004		
890 - 895	0.06	.001	(Comp. 800'-900')	
895 - 900	0.04	.002	Tr.	.07
900 - 905	0.03	.002		
905 - 910	0.02	.002		
910 - 915	0.04	.008		
915 - 920	0.05	Nil		
920 - 925	0.02	.003		
925 - 930	0.02	.003		
930 - 935	0.03	.004		
935 - 940	0.02	.002		
940 - 945	0.04	.002	(Comp. 900'-950')	
945 - 950	0.02	.003	Tr.	.06

Interval	%Cu	%MoS_2	Oz. Au	Oz. Ag

INTERVALS AVERAGED

DDH #16

Interval	% Cu	% MoS_2
0 - 15	0.09	-.001
15 - 240	0.20	.012
240 - 350	0.31 ✓	.018
350 - 410	0.23	.029
410 - 480	0.30 ✓	.026
480 - 570	0.25	.018
570 - 670	0.13	.010
670 - 745	0.30 ✓	.009
745 - 770	0.17	.009
770 - 850	0.28	.011
850 - 950	0.03	.002

INTERVALS ASSAYED

	Oz. Silver	Oz. Gold
0 - 100	-.029	-.003
100 - 200	-.029	-.003
200 - 300	.11	.004
300 - 400	.10	.002
400 - 500	.07	Tr.
500 - 600	.02	Tr.
600 - 700	Tr.	Tr.
700 - 800	.12	Tr.
800 - 900	.07	Tr.
900 - 950	.06	Tr.

PETROLOGIC DESCRIPTION

Spec. No: 16-90
Locality: DDH 16
Occurrence:
Field Relns (See C below): Tr py in lmm & vn @ 80°

Coll./Exam. by: RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:
   Color: TAN
   Texture: PORPH
   Density:

2.

(PRIMARY) Discern. Minerals	(ALTN) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz				35	
2 plag	sericite			45-50	plag 85% → seric, seric. also repl. along clvgs in hrnbl; strongest (perv) alt in center of xls.
3 K-felds				5-10?	
4 hornbl				10	ragged xls, commonly repl. along clvg by sericite & w/ undulose extinction
5 bt	ser		brown	5	rel. fresh, invaded along clvgs locally by sericite(?)
apatite				tr	primary, not recryst. or migrated
	calcite			tr	asso. w/ sulfides, esp. @ grain boundaries
	sulfides			tr	Usually w/i mafic xls or at xl interfaces, few asso. w/ matic clusters

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

5. Evidence on Origin

Phenocryst/Groundmass Ratio = 1:1

6. Field Classification - Name: GRANODIORITE PORPHYRY OR QTZ DIORITE PPY

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
   WEAKLY FRAC'D.

2. Weathering, Alteration, Staining, Surface Features
   STRONG PERVASIVE SERIC. ALT

3. Mineralization WEAK, DISM (MOST OF TOTAL SULFIDES MAY BE IN VEINS, NO VNS. IN THIS SECT.)

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

Notable decrease in matic clusters as compared to S.P. deposit area

DIAMOND DRILL LOG

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH 975 BEARING _____ INCLINATION _____

HOLE No. DDH 17 SHEET _____ OF _____

PROPERTY _____ COUNTY _____ STATE _____

COLLAR COORD. N. _____ E. _____

COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU		% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
										Pfg d
									mod. fr.	
				100					much faulting w/ local Kspar fl-ooding; matics ⇒ chlor.	
				2				py-cp in vnlts	flds greenish partial chlor. after matics	
							275: ± 50% Kspar			P.S.
				3					much q-ser?-py hl vns. w/ Kspar in w.r. well frac'd	
				4					still much frac's. clay, ser. Kspar alt.	
								cp > py - vns	lee. brecc'd.	
				5			525; Kspar, fresh bt			
									incr. rst-pink flds.	
				6					faulting w/ clays	
				7					fresher appearing matics unalt.?	finer grained
							780: potassic?	py > cp - vns		
				8					still fresh	"
				900					pinker, but looks fresh (qtz mons.)	
							typical		fresh	

DIAMOND DRILL LOG

SCALE 1"=50'
STARTED 8-22-70
STOPPED 9-19-70
NOTES BY J.K. JONES 10-4-73, 10-5-73
DEPTH 975'
BEARING
INCLINATION Vertical
HOLE No. 17
SHEET 1 OF 2
PROPERTY SQUAW PEAK
COUNTY YAVAPAI STATE AZ.
COLLAR COORD. N. 7553.99 E. 5805.76
COLLAR ELEV. 4551.74

ASSAYS % MO	ASSAYS % CU		% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYRE
				0			Specimen 18'	Minor FeOx on fractures, traces sulfides	weak, femic party alt. to chlorite, local orthoclase as replacement?	Biotite hornblende granodiorite, slightly porphyritic.
				43			60x5 missing			
				50			51 60x6 - only a few pieces			
							61 core remain. 60x7 much core missing			
				71				71 fair amt. FeOx, spots FeS_2	71 much of feldspar soft, chalky, femic alt to chlorite	
				94					94	
				100			Specimen 104'	weak $CuFeS_2$, FeS_2, local fair $CuFeS_2$, MoS_2 with quartz veinlets.	Aburdant orthoclase, most femics altered to chlorite	
				120			120' ±2" good sticky fault clay, probably steep. S. side plane 0 below fault @ 25° with wall of core	120± spotty weak to very weak mineralization.	128 much to some feldspar soft altered, most femic alt. to chlorite	
				150						
				200			Specimen 198'			
									215' About half of feldspar soft pale green	
				250						
				268			60x27 missing			
				277						
				300					300 much stronger clay? alt.	
				320			BOX # 33 missing			
				330						
				350			Specimen 350'		345± weak alteration, some K-spar.	
				358						
				365			BOX #37 missing			
									379	379'
							Specimen 388'		Moderate amt. orthoclase becoming strong orthoclase at depth.	Somewhat similar to above, but becoming distinctly porphyritic
				400						
				422				422'	422	420±
							locally crushed, a few thin slickensided clay streaks.	A few fair blebs $CuFeS_2$ & MoS_2 with quartz veinlets	Most feldspar soft white but local fresh intervals — generally strong clay alter. much chlorite after femics	Granitic texture similar to above 379
				450			Specimen 455'			
								465± weak but persistent $CuFeS_2$.	465± Locally as above but mostly weak clay, much chlorite & K-spar.	
				500						

DIAMOND DRILL LOG

SCALE 1"=50'

STARTED
STOPPED
NOTES BY JRS 10-5-73

DEPTH
BEARING
INCLINATION

HOLE No. 17 SHEET 2 OF 2

PROPERTY SQUAW PEAK
COUNTY STATE
COLLAR COORD. N. E.
COLLAR ELEV.

ASSAYS % MO	ASSAYS % CU	% RECOV.	DEPTH 500	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
								509' Weak clay alt, some femic alt to chlorite, obvious orthoclase replacement.	
						527 Box 56 missing			
						536			
			550				554± Very weak mineralization.	554 Most feldspars soft white to pale green, all femic alt to chlorite. Strong clay alteration.	
						586' steep Thin crushed zone			
			600			Specimen 607'			
						616 Box 66 missing			
						626			
								645' Not much change - some to most feldspar soft white - occas. interval not as strongly altered as above.	640' several inches fine grained clay alt. porphyry
			650						
						662			
						671 Box 71 missing			
						688 Box 74 missing			
						697			
			700						
						Specimen 732'	725± Weak but persistent disseminated $CuFeS_2$		731½' 2' granodiorite porphyry
			750						
							758½ Very weak mineralization	758½± Only local clay alt., fair amt. K-spar.	
						Specimen 777'			
						Specimen 799'		in places porphyry strongly clay alt.	791 Distinctly porphyritic at least in part grd. porphyry.
			800						
						811 Box 88 missing			
						824			828' Porphyritic, finer grained than above 791', but not as clearly a porphyry as above
			850			852 Boxes 92 & 93 missing			
						869 Box 94 - only one piece			
						879 of core remains Box 95 - only a few			
						888 pieces core			
								white hard feldspar	
								891 strongly clay alt.	distinct porphyry texture
			900					912 Much orthoclase, mostly secondary	
						Specimen 920'			Grd or gmp - see specimen.
									Looks like a grd porphyry with variable orthoclase flooding.
			950						
						Specimen 972±			
						975' BOTTOM OF HOLE			

DDH #17

ASSAY INFORMATION

Interval	%Cu		$\%MoS_2$	Oz. Au	Oz. Au
0 - 5	0.12		.010		
5 - 10	0.10		.013		
10 - 15	0.06		.011		
15 - 20	0.10		.007		
20 - 25	0.07		.011		
25 - 30	0.06		.008		
30 - 35	0.17		.014		
35 - 40	0.10		.014		
40 - 45	0.08		.009		
45 - 50	0.15		.010		
50 - 55	0.11		.014		
55 - 60	0.08		.008		
60 - 65	0.24		.009		
65 - 70	0.26	.25	.012		
70 - 75	0.28		.013		
75 - 80	0.23		.014		
80 - 85	0.19		.009		
85 - 90	0.10		.005		
90 - 95	0.11		.009	(Comp. 0 - 100)	
95 -100	0.17		.007	Tr.	0.09
100 -105	0.17		.012		
105 -110	0.23		.011		
110 -115	0.23	.23	.011		
115 -120	0.15		.005		
120 -125	0.32		.006		
125 -130	0.18		.007		
130 -135	0.12		.004		
135 -140	0.12		.006		
140 -145	0.12		.004		
145 -150	0.13		.006		
150 -155	0.17		.007		
155 -160	0.21		.007		
160 -165	0.22	.22	.009		
165 -170	0.24		.017		
170 -175	0.06		.004		
175 -180	0.14		.005		
180 -185	0.10		.005		
185 -190	0.22	.23	.005		
190 -195	0.24		.006	(Comp. 100 - 200)	
195 -200	0.15		.009	Tr.	0.14

Interval	%Cu		$\%MoS_2$	Oz. Au	Oz. Ag
200 - 205	0.14		.015		
205 - 210	0.17		.015		
210 - 215	0.13		.011		
215 - 220	0.08		.015		
220 - 225	0.10		.013		
225 - 230	0.12		.010		
230 - 235	0.13		.009		
235 - 240	0.07		.009		
240 - 245	0.26		.013		
245 - 250	0.11		.006		
250 - 255	0.09		.006		
255 - 260	0.19		.016		
260 - 265	0.11		.006		
265 - 270	0.09		.007		
270 - 275	0.12		.009		
275 - 280	0.11		.013		
280 - 285	0.16		.011		
285 - 290	0.15		.007		
290 - 295	0.17		.014	(Comp. 200 - 300)	
295 - 300	0.06		.009	.005	0.13
300 - 305	0.21		.010		
305 - 310	0.14		.012		
310 - 315	0.20		.006		
315 - 320	0.17		.005		
320 - 325	0.10		.016		
325 - 330	0.14		.005		
330 - 335	0.14		.008		
335 - 340	0.16		.006		
340 - 345	0.15		.011		
345 - 350	0.19		.012		
350 - 355	0.22	.22	.010		
355 - 360	0.21		.014		
360 - 365	0.18		.009		
365 - 370	0.14		.005		
370 - 375	0.13		.010		
375 - 380	0.21		.010		
380 - 385	0.19		.018		
385 - 390	0.18		.009		
390 - 395	0.24	.23	.005	(Comp. 300 - 400)	
395 - 400	0.21		.008	Tr.	0.08

DDH #17

ASSAY INFORMATION

Interval	%Cu	%MoS_2	Oz. Au	Oz. Ag
400 - 405	0.16	.013		
405 - 410	0.24	.015		
410 - 415	0.18	.013		
415 - 420	0.12	.006		
420 - 425	0.19	.007		
425 - 430	0.17	.017		
430 - 435	0.14	.006		
435 - 440	0.09	.005		
440 - 445	0.13	.007		
445 - 450	0.13	.006		
450 - 455	0.20 } .23	.008		
455 - 460	0.26 }	.011		
460 - 465	0.16	.005		
465 - 470	0.15	.008		
470 - 475	0.23	.008		
475 - 480	0.21	.009		
480 - 485	0.23	.011		
485 - 490	0.21	.008		
490 - 495	0.15 } .22	.010	(Comp. 400 - 500)	
495 - 500	0.20	.006	.003	0.10
500 - 505	0.22	.010		
505 - 510	0.18	.022		
510 - 515	0.23	.034		
515 - 520	0.24	.009		
520 - 525	0.20	.021		
525 - 530	0.32	.009		
530 - 535	0.20	.014		
535 - 540	0.20	.007		
540 - 545	0.18	.027		
545 - 550	0.21	.010		
550 - 555	0.19	.007		
555 - 560	0.17	.009		
560 - 565	0.18	.007		
565 - 570	0.19	.009		
570 - 575	0.18	.007		
575 - 580	0.21 } .21	.011		
580 - 585	0.21 }	.010		
585 - 590	0.19	.010		
590 - 595	0.15	.008	(Comp. 500 - 600)	
595 - 600	0.26	.015	.002	0.07

Interval	%Cu	%MoS_2	Oz. Au	Oz. Ag
600 - 605	0.14	.031		
605 - 610	0.19	.026		
610 - 615	0.14	.010		
615 - 620	0.16	.010		
620 - 625	0.19	.014		
625 - 630	0.16	.003		
630 - 635	0.24	.058		
635 - 640	0.29 } .26	.008		
640 - 645	0.29 }	.001		
645 - 650	0.22	.004		
650 - 655	0.16	Tr.		
655 - 660	0.16	Tr.		
660 - 665	0.12	.003		
665 - 670	0.12	.001		
670 - 675	0.20	.004		
675 - 680	0.19	.003		
680 - 685	0.12	.002		
685 - 690	0.20	.010		
690 - 695	0.28 } .24	.003	(Comp. 600 - 700)	
695 - 700	0.22 }	.008	Nil	0.05
700 - 705	0.27	.010		
705 - 710	0.17	.004		
710 - 715	0.13	.002		
715 - 720	0.10	.004		
720 - 725	0.14	.002		
725 - 730	0.15	.008		
730 - 735	0.15	.002		
735 - 740	0.18	.004		
740 - 745	0.28	.001		
745 - 750	0.14	Tr.		
750 - 755	0.08	.007		
755 - 760	0.09	Nil		
760 - 765	0.11	Tr.		
765 - 770	0.10	Tr.		
770 - 775	0.12	.001		
775 - 780	0.07	.001		
780 - 785	0.16	.001		
785 - 790	0.17	.002		
790 - 795	0.13	Nil	(Comp. 700 - 800)	
795 - 800	0.14	Tr.	Tr.	Tr.

ASSAY INFORMATION

Interval	%Cu	$\%MoS_2$	Oz. Au	Oz. Ag
800 - 805	0.11	.002		
805 - 810	0.10	.002		
810 - 815	0.12	.002		
815 - 820	0.10	.003		
820 - 825	0.10	.002		
825 - 830	0.09	.002		
830 - 835	0.12	.003		
835 - 840	0.10	.004		
840 - 845	0.06	.001		
845 - 850	0.05	.001		
850 - 855	0.22	.001		
855 - 860	0.08	.001		
860 - 865	0.08	Tr.		
865 - 870	0.11	.001		
870 - 875	0.10	.001		
875 - 880	0.11	.003		
880 - 885	0.15	.006		
885 - 890	0.03	.001		
890 - 895	0.07	.003	(Comp. 800 - 900)	
895 - 900	0.06	.002	Tr.	Nil
900 - 905	0.10	.004		
905 - 910	0.05	.002		
910 - 915	0.04	.001		
915 - 920	0.08	.002		
920 - 925	0.07	.003		
925 - 930	0.06	.002		
930 - 935	0.05	.001		
935 - 940	0.04	.005		
940 - 945	0.06	.001		
945 - 950	0.04	.001		
950 - 955	0.03	.003		
955 - 960	0.03	.003		
960 - 965	0.03	.001		
965 - 970	0.05	.005	(Comp. 900 - 975)	
970 - 975	0.07	.004	.003	0.13

Interval	%Cu	$\%MoS_2$	Oz. Au	Oz. Ag

DDH #17

ASSAY INFORMATION

Interval	%Cu	%MoS_2	Oz. Au	Oz. Au
0 - 5	0.12	.010		
5 - 10	0.10	.013		
10 - 15	0.06	.011		
15 - 20	0.10	.007		
20 - 25	0.07	.011		
25 - 30	0.06	.008		
30 - 35	0.17	.014		
35 - 40	0.10	.014		
40 - 45	0.08	.009		
45 - 50	0.15	.010		
50 - 55	0.11	.014		
55 - 60	0.08	.008		
60 - 65	0.24	.009		
65 - 70	0.26	.012		
70 - 75	0.28	.013		
75 - 80	0.23	.014		
80 - 85	0.19	.009		
85 - 90	0.10	.005		
90 - 95	0.11	.009	(Comp. 0 - 100)	
95 -100	0.17	.007	Tr.	0.09
100 -105	0.17	.012		
105 -110	0.23	.011		
110 -115	0.23	.011		
115 -120	0.15	.005		
120 -125	0.32	.006		
125 -130	0.18	.007		
130 -135	0.12	.004		
135 -140	0.12	.006		
140 -145	0.12	.004		
145 -150	0.13	.006		
150 -155	0.17	.007		
155 -160	0.21	.007		
160 -165	0.22	.009		
165 -170	0.24	.017		
170 -175	0.06	.004		
175 -180	0.14	.005		
180 -185	0.10	.005		
185 -190	0.22	.005		
190 -195	0.24	.006	(Comp. 100 - 200)	
195 -200	0.15	.009	Tr.	0.14

Interval	%Cu	%MoS_2	Oz. Au	Oz. Au
200 - 205	0.14	.015		
205 - 210	0.17	.015		
210 - 215	0.13	.011		
215 - 220	0.08	.015		
220 - 225	0.10	.013		
225 - 230	0.12	.010		
230 - 235	0.13	.009		
235 - 240	0.07	.009		
240 - 245	0.26	.013		
245 - 250	0.11	.006		
250 - 255	0.09	.006		
255 - 260	0.19	.016		
260 - 265	0.11	.006		
265 - 270	0.09	.007		
270 - 275	0.12	.009		
275 - 280	0.11	.013		
280 - 285	0.16	.011		
285 - 290	0.15	.007		
290 - 295	0.17	.014	(Comp. 200 - 300)	
295 - 300	0.06	.009	.005	0.13
300 - 305	0.21	.010		
305 - 310	0.14	.012		
310 - 315	0.20	.006		
315 - 320	0.17	.005		
320 - 325	0.10	.016		
325 - 330	0.14	.005		
330 - 335	0.14	.008		
335 - 340	0.16	.006		
340 - 345	0.15	.011		
345 - 350	0.19	.012		
350 - 355	0.22	.010		
355 - 360	0.21	.014		
360 - 365	0.18	.009		
365 - 370	0.14	.005		
370 - 375	0.13	.010		
375 - 380	0.21	.010		
380 - 385	0.19	.018		
385 - 390	0.18	.009		
390 - 395	0.24	.005	(Comp. 300 - 400)	
395 - 400	0.21	.008	Tr.	0.08

ASSAY INFORMATION

Interval	%Cu		%MoS_2	Oz. Au	Oz. Ag
400 - 405	0.16		.013		
405 - 410	0.24		.015		
410 - 415	0.18	410-450	.013		
415 - 420	0.12	40'	.006		
420 - 425	0.19	.14	.007		
425 - 430	0.17		.017		
430 - 435	0.14		.006		
435 - 440	0.09		.005		
440 - 445	0.13		.007		
445 - 450	0.13		.006		
450 - 455	0.20	.23	.008		
455 - 460	0.26		.011		
460 - 465	0.16	.16	.005		
465 - 470	0.15		.008		
470 - 475	0.23	470-540	.008		
475 - 480	0.21	70'	.009		
480 - 485	0.23	.22	.011		
485 - 490	0.21		.008		
490 - 495	0.15		.010	(Comp. 400 - 500)	
495 - 500	0.20		.006	.003	0.10
500 - 505	0.22		.010		
505 - 510	0.18		.022		
510 - 515	0.23		.034		
515 - 520	0.24		.009		
520 - 525	0.20		.021		
525 - 530	0.32		.009		
530 - 535	0.20		.014		
535 - 540	0.20		.007		
540 - 545	0.18	540-575	.027		
545 - 550	0.21	35'	.010		
550 - 555	0.19	.19	.007		
555 - 560	0.17		.009		
560 - 565	0.18		.007		
565 - 570	0.19		.009		
570 - 575	0.18		.007		
575 - 580	0.21	.21	.011		
580 - 585	0.21		.010		
585 - 590	0.19		.010		
590 - 595	0.15		.008	(Comp. 500 - 600)	
595 - 600	0.26		.015	.002	0.07

Interval	%Cu		%MoS_2	Oz. Au	Oz. Ag
600 - 605	0.14	585-630	.031		
605 - 610	0.19	45'	.026		
610 - 615	0.14	.18	.010		
615 - 620	0.16		.010		
620 - 625	0.19		.014		
625 - 630	0.16		.003		
630 - 635	0.24		.058		
635 - 640	0.29	.26	.008		
640 - 645	0.29		.001		
645 - 650	0.22		.004		
650 - 655	0.16	650-685	Tr.		
655 - 660	0.16	35'	Tr.		
660 - 665	0.12	.15	.003		
665 - 670	0.12		.001		
670 - 675	0.20		.004		
675 - 680	0.19		.003		
680 - 685	0.12		.002		
685 - 690	0.20	20'	.010		
690 - 695	0.28	.24	.003	(Comp. 600 - 700)	
695 - 700	0.22		.008	Nil	0.05
700 - 705	0.27		.010		
705 - 710	0.17		.004		
710 - 715	0.13		.002		
715 - 720	0.10	705-800	.004		
720 - 725	0.14	95'	.002		
725 - 730	0.15		.008		
730 - 735	0.15		.002		
735 - 740	0.18		.004		
740 - 745	0.28	.14	.001		
745 - 750	0.14		Tr.		
750 - 755	0.08		.007		
755 - 760	0.09		Nil		
760 - 765	0.11		Tr.		
765 - 770	0.10		Tr.		
770 - 775	0.12		.001		
775 - 780	0.07		.001		
780 - 785	0.16		.001		
785 - 790	0.17		.002		
790 - 795	0.13		Nil	(Comp. 700 - 800)	
795 - 800	0.14		Tr.	Tr.	Tr.

ASSAY INFORMATION

Interval	%Cu	%MoS_2	Oz. Au	Oz. Ag
800 - 805	0.11	.002		
805 - 810	0.10	.002		
810 - 815	0.12	.002		
815 - 820	0.10	.003		
820 - 825	0.10	.002		
825 - 830	0.09	.002		
830 - 835	0.12	.003		
835 - 840	0.10	.004		
840 - 845	0.06	.001		
845 - 850	0.05	.001		
850 - 855	0.22	.001		
855 - 860	0.08	.001		
860 - 865	0.08	Tr.		
865 - 870	0.11	.001		
870 - 875	0.10	.001		
875 - 880	0.11	.003		
880 - 885	0.15	.006		
885 - 890	0.03	.001		
890 - 895	0.07	.003	(Comp. 800 - 900)	
895 - 900	0.06	.002	Tr.	Nil
900 - 905	0.10	.004		
905 - 910	0.05	.002		
910 - 915	0.04	.001		
915 - 920	0.08	.002		
920 - 925	0.07	.003		
925 - 930	0.06	.002		
930 - 935	0.05	.001		
935 - 940	0.04	.005		
940 - 945	0.06	.001		
945 - 950	0.04	.001		
950 - 955	0.03	.003		
955 - 960	0.03	.003		
960 - 965	0.03	.001		
965 - 970	0.05	.005	(Comp. 900 - 975)	
970 - 975	0.07	.004	.003	0.13

Interval	%Cu	%MoS_2	Oz. Au	Oz. Ag

DDH-17

ASSAY INFORMATION

Interval	%Cu	%MoS_2	Oz. Au	Oz. Au
0 - 5	0.12	.010		
5 - 10	0.10	.013		
10 - 15	0.06	.011		
15 - 20	0.10	.007	0.0107	
20 - 25	0.07	.011		
25 - 30 (60')	0.06	.008 (.10)		
30 - 35	0.17	.014		
35 - 40	0.10	.014		
40 - 45	0.08	.009		
45 - 50	0.15 (.101 ✓)	.010		
50 - 55	0.11	.014		
55 - 60	0.08	.008		
60 - 65	0.24	.009		
65 - 70 (20')	0.26 (.25)	.012		
70 - 75	0.28	.013	0.010	
75 - 80	0.23	.014		
80 - 85	0.19	.009		
85 - 90	0.10	.005		
90 - 95 (25')	0.11 (.146)	.009	(Comp. 0 - 100)	
95 -100	0.17	.007	Tr.	0.09
100 -105	0.17	.012		
105 -110	0.23	.011		
110 -115	0.23 (.23)	.011		
115 -120 (20')	0.15	.005		
120 -125	0.32	.006		
125 -130	0.18	.007	0.0072	
130 -135	0.12	.004		
135 -140	0.12	.006		
140 -145 (30')	0.12 (.14)	.004		
145 -150	0.13 (.177 ✓)	.006		
150 -155	0.17	.007		
155 -160	0.21	.007		
160 -165 (15')	0.22 (.22)	.009		
165 -170	0.24	.017		
170 -175	0.06	.004	0.0079	
175 -180 (15')	0.14 (.10)	.005		
180 -185	0.10	.005		
185 -190	0.22	.005		
190 -195 (10')	0.24 (.23)	.006	(Comp. 100 - 200)	
195 -200	0.15	.009	Tr.	0.14

Interval	%Cu	%MoS_2	Oz. Au	Oz. Au
200 - 205	0.14	.015		
205 - 210	0.17	.015		
210 - 215	0.13	.011		
215 - 220	0.08	.015		
220 - 225	0.10	.013	0.0116	
225 - 230	0.12	.010		
230 - 235	0.13	.009		
235 - 240	0.07	.009		
240 - 245	0.26	.013		
245 - 250	0.11 (.153 ✓)	.006		
250 - 255	0.09 (.139)	.006		
255 - 260 (155')	0.19	.016		
260 - 265	0.11	.006		
265 - 270	0.09	.007	0.0098	
270 - 275	0.12	.009		
275 - 280	0.11	.013		
280 - 285	0.16	.011		
285 - 290	0.15	.007		
290 - 295	0.17	.014	(Comp. 200 - 300)	
295 - 300	0.06	.009	.005	0.13
300 - 305	0.21	.010		
305 - 310	0.14	.012		
310 - 315	0.20	.006		
315 - 320	0.17	.005		
320 - 325	0.10	.016	0.0091	
325 - 330	0.14	.005		
330 - 335	0.14	.008		
335 - 340	0.16	.006		
340 - 345	0.15	.011		
345 - 350	0.19 (.150)	.012		
350 - 355	0.22 (.22)	.010		
355 - 360 (10')	0.21	.014		
360 - 365	0.18	.009		
365 - 370	0.14	.005	0.0098	
370 - 375	0.13	.010		
375 - 380 (30')	0.21 (.1717)	.010		
380 - 385	0.19	.018		
385 - 390	0.18	.009		
390 - 395	0.24	.005	(Comp. 300 - 400)	
395 - 400 (10')	0.21 (.23)	.008	Tr.	0.08

DDH-17

ASSAY INFORMATION

Interval	%Cu		%MoS_2		Oz. Au	Oz. Ag
400 - 405	0.16		.013			
405 - 410	0.24		.015			
410 - 415	0.18		.013			
415 - 420	0.12		.006			
420 - 425	0.19	50' .155	.007	0.0095		
425 - 430	0.17		.017			
430 - 435	0.14		.006			
435 - 440	0.09		.005			
440 - 445	0.13		.007			
445 - 450	0.13	.173	.006			
450 - 455	0.20	.23	.008			
455 - 460	0.26	10	.011			
460 - 465	0.16		.005			
465 - 470	0.15	10 .155	.008	0.0083		
470 - 475	0.23		.008			
475 - 480	0.21		.009			
480 - 485	0.23		.011			
485 - 490	0.21		.008			
490 - 495	0.15	.21	.010		(Comp. 400 - 500)	
495 - 500	0.20		.006		.003	0.10
500 - 505	0.22	70'	.010			
505 - 510	0.18		.022			
510 - 515	0.23		.034			
515 - 520	0.24		.009	0.0163		
520 - 525	0.20		.021			
525 - 530	0.32		.009			
530 - 535	0.20		.014			
535 - 540	0.20		.007			
540 - 545	0.18		.027			
545 - 550	0.21	.209 STOP	.010			
550 - 555	0.19		.007			
555 - 560	0.17	35' .1857	.009			
560 - 565	0.18		.007			
565 - 570	0.19		.009			
570 - 575	0.18		.007	0.0093		
575 - 580	0.21		.011			
580 - 585	0.21	10 .21	.010			
585 - 590	0.19		.010			
590 - 595	0.15		.008		(Comp. 500 - 600)	
595 - 600	0.26		.015		.002	0.07

Interval	%Cu		%MoS_2		Oz. Au	Oz. Ag
600 - 605	0.14		.031			
605 - 610	0.19	.1756	.026			
610 - 615	0.14	45'	.010			
615 - 620	0.16		.010	0.0165		
620 - 625	0.19		.014			
625 - 630	0.16		.003			
630 - 635	0.24		.058			
635 - 640	0.29	.26	.008			
640 - 645	0.29	20'	.001			
645 - 650	0.22		.004			
650 - 655	0.16		Tr.			
655 - 660	0.16		Tr.			
660 - 665	0.12		.003			
665 - 670	0.12	.1529	.001	0.0034		
670 - 675	0.20	35'	.004			
675 - 680	0.19		.003			
680 - 685	0.12		.002			
685 - 690	0.20		.010			
690 - 695	0.28	.24	.003		(Comp. 600 - 700)	
695 - 700	0.22	20'	.008		Nil	0.05
700 - 705	0.27		.010			
705 - 710	0.17		.004			
710 - 715	0.13		.002			
715 - 720	0.10		.004	0.0037		
720 - 725	0.14		.002			
725 - 730	0.15	45' .16	.008			
730 - 735	0.15		.002			
735 - 740	0.18		.004			
740 - 745	0.28		.001			
745 - 750	0.14		Tr.			
750 - 755	0.08		.007			
755 - 760	0.09		Nil			
760 - 765	0.11		Tr.	0.0012		
765 - 770	0.10	30 .095	Tr.			
770 - 775	0.12		.001			
775 - 780	0.07		.001			
780 - 785	0.16		.001			
785 - 790	0.17		.002			
790 - 795	0.13		Nil		(Comp. 700 - 800)	
795 - 800	0.14		Tr.		Tr.	Tr.

ASSAY INFORMATION

Interval	%Cu	%MoS_2	Oz. Au	Oz. Ag
800 - 805	0.11	.002		
805 - 810	0.10	.002		
810 - 815	0.12	.002		
815 - 820	0.10	.003		
820 - 825	0.10	.002		
825 - 830	0.09	.002		
830 - 835	0.12	.003		
835 - 840	0.10	.004		
840 - 845	0.06	.001		
845 - 850	0.05	.001		
850 - 855	0.22	.001		
855 - 860	0.08	.001		
860 - 865	0.08	Tr.		
865 - 870	0.11	.001		
870 - 875	0.10	.001		
875 - 880	0.11	.003		
880 - 885	0.15	.006		
885 - 890	0.03	.001		
890 - 895	0.07	.003	(Comp. 800 - 900)	
895 - 900	0.06	.002	Tr.	Nil
900 - 905	0.10	.004		
905 - 910	0.05	.002		
910 - 915	0.04	.001		
915 - 920	0.08	.002		
920 - 925	0.07	.003		
925 - 930	0.06	.002		
930 - 935	0.05	.001		
935 - 940	0.04	.005		
940 - 945	0.06	.001		
945 - 950	0.04	.001		
950 - 955	0.03	.003		
955 - 960	0.03	.003		
960 - 965	0.03	.001		
965 - 970	0.05	.005	(Comp. 900 - 975)	
970 - 975	0.07	.004	.003	0.13

105 .1143

105 - 805

.0022

180' .1225

.0019

90' .0533

.0022

.0032

0 - 975 @ 0.15

Interval	%Cu	%MoS_2	Oz. Au	Oz. Ag

PETROLOGIC DESCRIPTION

Spec. No: SP-17-920
Locality: DDH 17
Occurrence:
Field Relns (See C below):

Coll./Exam. by: JKJ/RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: PINKISH GRAY

Texture: FINE-MED GR., PORPH.

Density:

2.

(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz		med		40	major matrix const.
2 plag	sericite	fine - 1mm		20-25	65% → seric; alt appears to proceed from center of xl.
3 K-felds		fine-med		15-20	Mostly as matrix const, but some ~~poss~~ 2ndary (see A4 below) <5% → seric, vs.
4 bt		fine-med		2	mostly fine aggregates partially-wholly alt → chlor, epid (chlor > epid); few larger xls less alt.
5 hornbl		2-3 mm		1	15% → chlor, tr epid.
apatite		v. fine		tr	groundmass const.
	chlorite epidote			8	alt'n of bt, hornbl. Common in mafic clusters; sul-calc-chlor-epid-bt, w/ var comp. Tr epid alt of plag, Kspar
	calcite			1	Asso w/ mafic clots, also as veinlets which cut most structs + min'ls (except some qtz)
	sulfides			1	Mostly in alt'd mafic clots: outwardly zoned - sul-calc-(chlor, epid [after bt]) ± Kspar

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

K-felds appears to be 2ndary or late crysh. forms irreg. masses betw qtz + plag xls, also in veins (cutting plag) & part. comm. w/ mafic clots, sometimes w/ sulfides patches in plag xls

Phenocryst/Groundmass Ratio =

5. Evidence on Origin

6. Field Classification - Name: PORPHYRITIC QUARTZ MONZONITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)

Weakly frac'd

2. Weathering, Alteration, Staining, Surface Features

Mod str. ~~plagitic~~ alt,
str. prop. alt,

3. Mineralization Dism

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

stained

DIAMOND DRILL LOG

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH 719 BEARING _____ INCLINATION _____

HOLE No. DDH 18 SHEET _____ OF _____

PROPERTY _____ COUNTY _____ STATE _____

COLLAR COORD. N. _____ E. _____

COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
										Reg'd
				50						
				100				tr CuOx	much frac'g felds. white mafics --->chlor.	epid. vn
				150						
				200			→oxide. ~~~ typical fresh bt.	py>cp, vns	wk Kspar, may be primary	
				250				sparse f-cp-py-mlb vns	g-ser near vns more K-felds in less alt'd rk.	
				300						
									rel fresh + unfrac'd.	
				350						
				400			sericchlor	cp=py - vns.	still fresh	
				450						
				500						

DIAMOND DRILL LOG

HOLE No. _____ SHEET _____ OF _____

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH _____ BEARING _____ INCLINATION _____

PROPERTY _____ COUNTY _____ STATE _____ COLLAR COORD. N. _____ E. _____ COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU		% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
				550					unfrac'd, but ↑ Kspar w/ sm. vns.	
				600					little ▲, w/ calc in vn lts.	
							625: fault zone, cp, mb			
				650						
				700					faulted	

ASSAY INFORMATION

Interval	%Cu	%MoS_2	Oz. Au	Oz. Ag
10 - 15	0.07	.007		
15 - 20	0.10	.007		
20 - 25	0.12	.010		
25 - 30	0.12	.009		
30 - 35	0.13	.007		
35 - 40	0.09	.004		
40 - 45	0.10	.004		
45 - 50	0.23	.003		
50 - 55	0.23	.018		
55 - 60	0.20	.001		
65 - 70	0.08	.005		
70 - 75	0.16	.004		
75 - 80	0.07	.003		
80 - 85	0.07	.001		
85 - 90	0.11	.002		
90 - 95	0.17	.011	(Comp. 10 - 100')	
95 - 100	0.14	.009	Tr.	0.05
100 - 105	0.14	.004		
105 - 110	0.09	.004		
110 - 115	0.16	.002		
115 - 120	0.11	.003		
120 - 125	0.13	.003		
125 - 130	0.18	.004		
130 - 135	0.16	Tr.		
135 - 140	0.17	.002		
140 - 145	0.09	.002		
145 - 150	0.07	.002		
150 - 155	0.24	.002		
155 - 160	0.25	.001		
160 - 165	0.34	.004		
165 - 170	0.10	Nil		
170 - 175	0.11	Tr.		
175 - 180	0.09	Nil		
180 - 185	0.10	Nil		
185 - 190	0.13	.007		
190 - 195	0.08	.003	(Comp. 100 - 200')	
195 - 200	0.08	.003	Tr.	0.13

Interval	%Cu	%MoS_2	Oz. Au	Oz. Ag
200 - 205	0.12	.010		
205 - 210	0.17	.007		
210 - 215	0.11	.009		
215 - 220	0.13	.008		
220 - 225	0.20	.008		
225 - 230	0.10	.013		
230 - 235	0.21	.005		
235 - 240	0.16	.011		
240 - 245	0.08	.012		
245 - 250	0.13	.006		
250 - 255	0.12	.008		
255 - 260	0.16	.005		
260 - 265	0.08	.005		
265 - 270	0.24	.005		
270 - 275	0.21	.009		
275 - 280	0.09	.006		
280 - 285	0.16	.005		
285 - 290	0.20	.007		
290 - 295	0.32	.009	(Comp. 200 - 300')	
295 - 300	0.21	.008	Tr.	0.05
300 - 305	0.09	.008		
305 - 310	0.08	.010		
310 - 315	0.07	.011		
315 - 320	0.09	.046		
320 - 325	0.10	.014		
325 - 330	0.15	.011		
330 - 335	0.17	.023		
335 - 340	0.12	.021		
340 - 345	0.10	.025		
345 - 350	0.11	.009		
350 - 355	0.19	.014		
355 - 360	0.18	.026		
360 - 365	0.18	.014		
365 - 370	0.15	.012		
370 - 375	0.17	.008		
375 - 380	0.08	.015		
380 - 385	0.15	.024		
385 - 390	0.15	.018		
390 - 395	0.10	.010	(Comp. 300 - 400')	
395 - 400	0.10	.014	Tr.	0.18

ASSAY INFORMATION

Interval	%Cu		%MoS_2	Oz. Au	Oz. Ag
400 - 405	0.17		.016		
405 - 410	0.04		.003		
410 - 415	0.10		.005		
415 - 420	0.15		.009		
420 - 425	0.23		.059		
425 - 430	0.15		.010		
430 - 435	0.15		.006		
435 - 440	0.23		.005		
440 - 445	0.28	.243	.002		
445 - 450	0.22		.003		
450 - 455	0.14		.004		
455 - 460	0.21		.003		
460 - 465	0.19	.18	.001		
465 - 470	0.18		.002		
470 - 475	0.22		.002		
475 - 480	0.28		.003		
480 - 485	0.24	.266	.005		
485 - 490	0.16		.004		
490 - 495	0.44		.002	(Comp. 400 - 500')	
495 - 500	0.14		.001	Tr.	0.07
500 - 505	0.12	.12	.015		
505 - 510	0.10		.019		
510 - 515	0.21	.21	.013		
515 - 520	0.21		.004		
520 - 525	0.14		.013		
525 - 530	0.14	.14	.009		
530 - 535	0.14		.004		
535 - 540	0.28		.009	0.33 Cu	
540 - 545	0.35		.010	0.008 MoS_2	
545 - 550	0.43	.332	.009		
550 - 555	0.30		.008		
555 - 560	0.30		.007		
560 - 565	0.24		.013		
565 - 570	0.22	.23	.009		
570 - 575	0.17		.009		
575 - 580	0.16		.009		
580 - 585	0.17	.1667	.009		
585 - 590	0.20		.006		
590 - 595	0.14		.010	(Comp. 500 - 600')	
595 - 600	0.16		.009	Tr.	0.11

Interval	%Cu		%MoS_2	Oz. Au	Oz. Ag
600 - 605	0.22	.24	.019		
605 - 610	0.26		.014		
610 - 615	0.10	.10	.008		
615 - 620	0.20		.013		
620 - 625	0.19	.25	.037		
625 - 630	0.36		.072		
630 - 635	0.16	.165	.021		
635 - 640	0.17		.006		
640 - 645	0.23		.019		
645 - 650	0.47		.233	0.92 Cu	
650 - 655	2.04	.75	.065	0.104 MoS_2	
655 - 660	0.26		.015		
660 - 665	0.14		.006		
665 - 670	0.10	.14	.003		
670 - 675	0.18		.019		
675 - 680	0.24		.152		
680 - 685	0.25	.25	.015		
685 - 690	0.26		.012		
690 - 695	0.13		.005		
695 - 700	0.11		.004		
700 - 705	0.12	.13	.008		
705 - 710	0.16		.009		
710 - 715	0.20		.019	(Comp. 600 - 719')	
715 - 719	0.23	.215	.005	Tr.	0.08

DDH #18

Selected Intervals

Misplaced

Interval		MoS_2	Cu
10 - 45	35	.004	0.10
45 - 60	15	.007	0.22
60 - 150	90	.003	0.12
150 - 165	15	.002	0.28
165 - 285	120	.006	0.12
285 - 300	15	.008	0.27
300 - 435	135	.016	0.13
435 - 719	284	.018	0.24
	709		0.178

PETROLOGIC DESCRIPTION

Spec. No: 18-102
Locality: DDH-18
Occurrence:
Field Relns (See C below):

Coll./Exam. by: RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:

Color:

Texture:

Density:

2.

(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz				35-40	1 1mm qtz w/ scattered frags + xls of calcite; appears to post date calcite
2 K-felds		med		30	major ~~matrix~~, const. w/ qtz; fresh; intro. by epidote
3 bt	leucoxene	~~med~~-large		1	1 large xl, 95% ⇒ ~~grain~~ boundaries, partially ~~to~~ leucoxene
4 plag		med		10-15	Somewhat corroded, but fresh, a few growths of calcite
5 apatite		v. fine		tr	
	epidote	fine		15	veinlet + numerous clusters of xls (open ⇒ space fillings?) pieces scattered in 1mm q unit.
	~~calcite~~	~~fine~~		+	natrolite? ~~intergrown~~ w/ calcite + ~~w~~ qtz
	hematite	fine		tr	occurs in fract. intersection; after py?

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

Brecciation due to calc + qtz vns.

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin

6. Field Classification - Name: GRANITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)

Dense veining; mod fracturing

2. Weathering, Alteration, Staining, Surface Features

V. strong fracture-related calcite alt'n
intense epidote flooding; prob 2ndary Kspar

3. Mineralization Weak, frac-rel.

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

stained

Over ☐ Yes ☐ No

PETROLOGIC DESCRIPTION

Spec. No: 18-516
Locality: DDH 18
Occurrence:
Field Relns (See C below):

Coll./Exam. by: RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: PINKISH GRAY

Texture: MED GR.

Density:

2.

(PRIMARY) Discern.	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz				30-35	
2 plag	ser.			30	20% → seric
3 Kfelds				15	1 mm vnlt w/ ser + w.v.a. (see back) also as prim. min'l 30% → seric
4 bt	chlorite		brown-green	10	2 modes: 1) f.g. ragged masses 80% → chlor + 2) yel fresh (10% chlor on clvgs) larger bts
5 hornbl?	chlorite		green	5	mostly destroyed by chlor; clvg still apparent in larger xls.
apatite				tr	tiny prisms
	~~epidote~~ ~~kaolinite~~			3	In vnlts + masses in w.v. next to Kfelds-seric vnlt. Str. affinity to sul.
	sericite			5-10	w/ Kspar in 1mm vnlt; also in numerous h.l. vnlts. ± sulfides; alt. of plag
	sulfides			1-2	cp, py related to Kspar-seric + calc. vnlts. Asso. w/ pseop. patchy next to vns,
→ unknown					biax (-) low rel. undulatory ext. 2nd order blue + brown birefr. strained qtz?

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

calcite tr vn. asso, w/ sul.; tr w/ Kspar-qtz vn.

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin

6. Field Classification - Name: QUARTZ MONZONITE OR GRANODIORITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)

Weakly frac'd; str. veining

2. Weathering, Alteration, Staining, Surface Features

Wk pervasive seric + wk pervasive chlor alt'n cut by Kspar-ser & seric. vnlts.

3. Mineralization VEINS

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☒ Yes ☐ No

stained

1mm Kspar-seric vn. w/ attendent calc-sulfide vnlts in adj w.r. Sulfides, usually on border of vn, (py·cp)

several clusters of sul-calc ± chlor in w.r. adj to vn.

Several seric vnlts also

Kspar-seric vn alt cuts wk perv. sev alt + wk chlor/ir alt.

DIAMOND DRILL LOG

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH 601 BEARING _____ INCLINATION _____

HOLE No. DDH 19 SHEET _____ OF _____

PROPERTY _____ COUNTY _____ STATE _____

COLLAR COORD. N. _____ E. _____

COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
										andesite massive
								local good MoS_2	mod. silic.	
				100						
				2				nil	no. silic. unalt'd.	chalky grey, massive
							270-279 : fault zone w/ Kspar			
				3			305 : q-calc-cp-mb			
				4				occ'l hema(?) stn.		
				5			500-601 : incr. epid.			
				600				tr py?	calc. vns.	

IRON KING ASSAY OFFICE

PHONE
632-7410

DDH # 19

October 27, 1970

BOX 14
HUMBOLDT, ARIZ. 86329

Samples submitted for assay by:
PHILLIPS PETROLEUM CO.

DDH #19
Squaw Peak

	Description	MoS_2	Cu
12-15	No. 2202	Tr	0.02
15-20	2203	.001	0.01
20-25	2204	.008	0.02
25-30	2205	.005	0.07
30-35	2206	.003	0.02
35-40	2207	.004	0.16
40-45	2208	.008	0.02
45-50	2209	.003	0.01
50-55	2210	.003	0.01
55-60	2211	.004	0.01
60-65	2212	.006	0.07
65-70	2213	.003	0.02
70-75	2214	.003	0.02
75-80	2215	.003	0.02
80-85	2216	.002	0.02
85-90	2217	.004	0.05
90-95	2218	.003	0.06
95-100	2219	.007	0.05

Charges -- $103.00

IRON KING ASSAY OFFICE

PHONE
632-7410

DDH #19

October 27, 1970

BOX 14
HUMBOLDT, ARIZ. 86329

DDH #19

Samples submitted for assay by:
PHILLIPS PETROLEUM CO.

	Description	MoS_2	Cu
100-105	No. 2220	.005	0.06
105-110	2221	.005	0.07
110-115	2222	.003	0.02
115-120	2223	.003	0.02
120-125	2224	.003	0.02
125-130	2225	.002	0.02
130-135	2226	.003	0.03
135-140	2227	.003	0.04
140-145	2228	.002	0.02
145-150	2229	.001	0.02
150-155	2230	.003	0.01
155-160	2231	.003	0.02
160-165	2232	.002	0.02
165-170	2233	.002	0.03
170-175	2234	.001	0.02
175-180	2235	.002	0.02
180-185	2236	Tr	0.04
185-190	2237	.001	0.02
190-195	2238	.001	0.02
195-200	2239	.002	0.02

Charges ---- $130.00

RECEIVED
NOV 4 1970
RENO

DDH-19
Iyanah Peak

IRON KING ASSAY OFFICE

PHONE
632-7410

BOX 14
HUMBOLDT, ARIZ. 86329

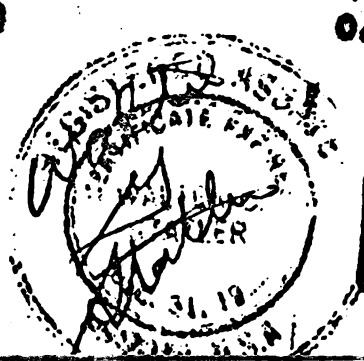
November 2, 1970

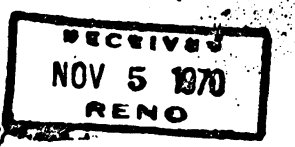
DDH # 19

Samples submitted for assay by:
PHILLIPS PETROLEUM CO.

	Description	MoS_2	Cu
200-205	No. 2240	.004	Tr (less than .01)
205-210	2241	.005	Tr
210-215	2242	.002	Tr
215-220	2243	.001	Tr
220-225	2244	.001	0.03
225-230	2245	.001	0.01
230-235	2246	Tr (less than .001)	0.01
235-240	2247	.001	Tr
240-245	2248	Tr	0.01
245-250	2249	.001	0.01
250-255	2250	.001	Tr
255-260	2251	.001	Tr
260-265	2252	Nil	0.05
265-270	2253	Nil	0.02
270-275	2254	Tr	0.04
275-280	2255	.001	0.05
280-285	2256	.001	0.03
285-290	2257	.002	0.04
290-295	[illegible]	.002	0.02
295-300	[illegible]	.001	0.01

Charges $ 0120.00





IRON KING ASSAY OFFICE

PHONE
632-7410

BOX 14
HUMBOLDT, ARIZ. 86329

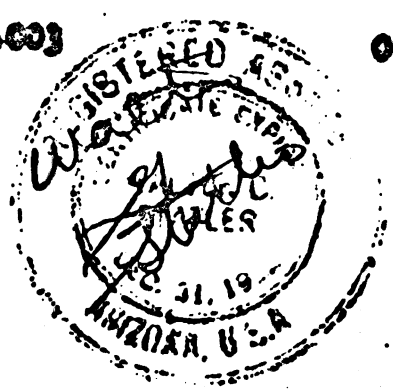
November 2, 1970

DDH #19

Samples submitted for assay by:
PHILLIPS PETROLEUM CO.

	Description	MoS_2	Cu
300- 305	No. 2250	.003	0.20
305-310	2251	.002	0.01
310-315	2252	.002	0.01
315-320	2253	.003	0.01
320-325	2254	.002	0.03
325-330	2255	.003	0.02
330-335	2256	.002	0.01
335-340	2257	.002	0.02
340-345	2258	.002	0.01
345-350	2259	.001	0.01
350-355	2260	.001	0.01
355-360	2261	.001	0.01
360-365	2262	.003	0.01
365-370	2263	.004	0.02
370-375	2264	.001	0.02
375-380	2265	.001	Tr
380-385	2266	.001	0.01
385-390	2267	Nil	0.03
390-395	2268	.003	0.04
395-400	2269	0.003	0.03

Charges - $120.00



Agua Fresh

IRON KING ASSAY OFFICE

PHONE
632-7410

BOX 1
HUMBOLDT, ARIZ. 86329

November 6, 1970

DDH #19

Samples submitted for assay by:
PHILLIPS PETROLEUM CO.

	Description	MoS_2	Cu
400-405	No. 2280	.005	0.03
405-410	2281	.003	0.01
410-415	2282	.001	0.01
415-420	2283	.004	0.02
420-425	2284	.006	0.01
425-430	2285	Nil	0.01
430-435	2286	.001	0.01
435-440	2287	Tr	0.03
440-445	2288	.001	0.03
445-450	2289	.002	0.07
450-455	2290	Tr	0.01
455-460	2292	Nil	0.01
460-465	2292	Tr	0.01
465-470	2293	Tr	0.03
470-475	2294	Nil	0.03
475-480	2295	Nil	0.01
480-485	2296	Nil	0.01
485-490	2297	Nil	0.03
490-495	2298	Nil	Tr
495-500	2299	Tr	Tr

Charges --$120.00

IRON KING ASSAY OFFICE

PHONE
928-7410

November 6, 1970

BOX 14
HUMBOLDT, ARIZ. 86329

Samples submitted for assay by:
PHILLIPS PETROLEUM CO.

DDH #19

	DESCRIPTION	MoS_2	Cu
500-505	No. 2300	.008	Tr
505-510	2301	.007	0.02
510-515	2302	.003	Tr
515-520	2303	.002	Tr
520-525	2304	.002	Tr
525-530	2305	.001	0.02
530-535	2306	.003	0.01
535-540	2307	Nil	0.01
540-545	2308	.003	Tr
545-550	2309	.002	Tr
550-555	2310	Nil	0.03
555-560	2311	Tr	0.11
560-565	2312	Nil	0.01
565-570	2313	Nil	0.01
570-575	2314	Nil	0.01
575-580	2315	Nil	Tr
580-585	2316	Nil	0.01
585-590	2317	Nil	Tr
590-595	2318	Nil	Tr
595-601	2319	Nil	Tr

Charges --- $100.00

Assay Information

Interval		Au (Oz./ton)	Ag (Oz./ton)
12 - 100	88	Tr.	0.11
100 - 200	100	Tr.	0.13
200 - 300	100	Tr.	0.10
300 - 400	100	Tr.	0.17
400 - 500	100	Tr.	0.17
500 - 601	101	Tr.	0.15
	589		

Selected Intervals

Interval	Cu %	MoS_2 %
12 - 601'	0.02	0.002

PETROLOGIC DESCRIPTION

Spec. No: 19-204
Locality: DDH 19
Occurrence:
Field Relns (See C below):

Coll./Exam. by: RRR
Date:
Descr. No:

SEVERAL IRREG. $CaCO_3$ vnlts.

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: GREEN

Texture: APHANITIC

Density:

2.

	(PRIMARY) Discern.	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1	chlorite		fine	brownish green	35	major prim. const.; abund tiny plates; forms foliation
2	~~calcite~~	~~v. fine~~				
3	clays	sericite?	v. fine		30-35	v fine groundmass to chlorite; may be partially repl. by seric ± calcite
4	qtz		fine		tr	
5		epidote			10	Major acc. to trem-act vn. Poss in groundmass w/ chlor to calc (?)
		calcite	fine-v.fine		tr	~~Major~~ Groundmass const.?
		analcite?	fine	grey	1	incl. w/ calcite in vn lt. Irreg, low relief.
		Hremolite-actinolite			Incl. w/ 20	Major const. of ~~trem-act~~ vnlt has been repl. by calcite (pseudomorphs)

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

chlorite clvg plates uniformly parallel; foliation cut @ steep → by major calc. vn.; other h.l. calc vns. @ random ∠'s

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin

6. Field Classification - Name: GREENSCHIST

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)

Trem-act vn (repl. by $CaCO_3$) offset by h.l. calc. vn lt.

2. Weathering, Alteration, Staining, Surface Features

Strong vnlt-controlled calcite

3. Mineralization 0

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

ASSAY INFORMATION
SQUAW PEAK MINE - DDH #20

Interval	%Cu	$\%MoS_2$	Oz.Au	Oz.Ag.
10 - 15	0.0255	-1 ppm		
15 - 20	0.0205	-1 ppm		
20 - 25	0.0120	-1 ppm		
25 - 30	0.0390	0.0007		
30 - 35	0.0375	-1 ppm		
35 - 40	0.0190	-1 ppm		
40 - 45	0.0140	0.0002		
45 - 50	0.0190	-1 ppm		
50 - 55	0.0185	-1 ppm		
55 - 60	0.0190	-1 ppm		
60 - 65	0.0310	-1 ppm		
65 - 70	0.0190	-1 ppm		
70 - 75	0.0060	-1 ppm		
75 - 80	0.0130	0.0002		
80 - 85	0.0110	-1 ppm		
85 - 90	0.0150	-1 ppm		
90 - 95	0.0125	0.0010		
95 - 100	0.0150	0.0005		
100 - 105	0.0445	0.0018		
105 - 110	0.0265	0.0003		
110 - 115	0.0570	0.0007		
115 - 120	0.0170	0.0002	(Comp. 10 - 125)	
120 - 125	0.0245	0.0013	-0.1 ppm	-1 ppm
125 - 130	0.0415	-1 ppm		
130 - 135	0.0080	-1 ppm		
135 - 140	0.0255	-1 ppm		
140 - 145	0.0270	0.0025		
145 - 150	0.0220	-1 ppm		
150 - 155	0.0175	-1 ppm		
155 - 160	0.0275	-1 ppm		
160 - 165	0.0240	-1 ppm		
165 - 170	0.0530	0.0010		
170 - 175	0.0600	0.0003		
175 - 180	0.0445	-1 ppm		

Interval	%Cu	MoS_2	Oz.Au	Oz.Ag.
180 - 185	0.0430	0.0037		
185 - 190	0.0155	-1 ppm		
190 - 195	0.0430	0.0007		
195 - 200	0.0270	-1 ppm		
200 - 205	0.0155	0.0007		
205 - 210	0.0515	0.0008		
210 - 215	0.0980	0.0102		
215 - 220	0.0670	0.0002		
220 - 225	0.0485	0.0003		
225 - 230	0.0545	0.0008		
230 - 235	0.0265	0.0002		
235 - 240	0.0820	-1 ppm		
240 - 245	0.0210	0.0002	(Comp. 125 - 250)	
245 - 250	0.160	-1 ppm	-0.1 ppm	-1 ppm
250 - 255	0.0200	0.0010		
255 - 260	0.0500	0.0010		
260 - 265	0.0400	0.0030		
265 - 270	0.0200	-.0010		
270 - 275	0.0300	0.0020		
275 - 280	0.0300	-.0010		
280 - 285	0.0600	0.0060		
285 - 290	0.0900	0.0100		
290 - 295	0.0700	0.0030		
295 - 300	0.0500	0.0140		
300 - 305	0.0900	0.0090		
305 - 310	0.1300	0.0030		
310 - 315	0.1400	0.0020		
315 - 320	0.0600	0.0050		
320 - 325	0.1000	0.0040		
325 - 330	0.0700	0.0040		
330 - 335	0.0500	0.0010		
335 - 340	0.1100	0.0030		
340 - 345	0.0200	-.0010		
345 - 350	0.0600	0.0020		

ASSAY INFORMATION
SQUAW PEAK MINE - DDH #20

Interval	%Cu	$\%MoS_2$	Oz.Au	Oz.Ag.
350 - 355	0.0100	-.0010		
355 - 360	0.0300	-.0010		
360 - 365	0.0100	-.0010		
365 - 370	0.0300	-.0010	(Comp. 250-375)	
370 - 375	0.0500	-.0010	-0.1 ppm	-1 ppm
375 - 380	0.0400	0.0020		
380 - 385	0.0200	-.0010		
385 - 390	0.0300	-.0010		
390 - 395	0.1200	0.0030		
395 - 400	0.0600	-.0010		
400 - 405	0.0500	0.0020		
405 - 410	0.0500	0.0020		
410 - 415	0.0700	-.0010		
415 - 420	0.0600	0.0080		
420 - 425	0.0500	0.0030		
425 - 430	0.0800	0.0020		
430 - 435	0.0600	0.0090		
435 - 440	0.0400	-.0010		
440 - 445	0.0900	0.0030		
445 - 450	0.0700	0.0080		
450 - 455	0.0500	0.0060		
455 - 460	0.0400	0.0030		
460 - 465	0.0700	0.0010		
465 - 470	0.0400	0.0020		
470 - 475	0.0900	0.0020		
475 - 480	0.1600	0.0100		
480 - 485	0.1300	0.0130		
485 - 490	0.0700	0.0110		
490 - 495	0.1100	0.0210	(Comp. 375-500)	
495 - 500	0.0700	0.0070	-0.1 ppm	-1 ppm
500 - 505	0.0300	-.0010		
505 - 510	0.0500	-.0030		
510 - 515	0.0900	0.0020		
515 - 520	0.0800	0.0020		
520 - 525	0.0600	0.0020		
525 - 530	0.0900	0.0190		
530 - 535	0.0600	0.0100		
535 - 540	0.0700	0.0020		
540 - 545	0.1000	0.0030		
545 - 550	0.0600	-.0010		
550 - 555	0.0700	0.0020		
555 - 560	0.0800	0.0030		
560 - 565	0.0900	0.0040		
565 - 570	0.0500	0.0030		
570 - 575	0.0500	0.0050		
575 - 580	0.0700	0.0030		
580 - 585	0.1200	0.0050		
585 - 590	0.1000	0.0030		
590 - 595	0.1000	0.0040		
595 - 600	0.0900	0.0030		
600 - 605	0.1100	0.0050		
605 - 610	0.1100	0.0060		
610 - 615	0.0500	-.0010		
615 - 620	0.1200	0.0040	(Comp. 500-625)	
620 - 625	0.1300	0.0040	-0.1 ppm	-1 ppm
625 - 630	0.1000	0.0120		
630 - 635	0.0600	0.0020		
635 - 640	0.0800	0.0030		
640 - 645	0.0600	0.0020		
645 - 650	0.0900	0.0090		
650 - 655	0.0700	0.0010		
655 - 660	0.0700	0.0060		
660 - 665	0.0300	-.0010		
665 - 670	0.0900	0.0450		
670 - 675	0.0700	0.0200		
675 - 680	0.0300	0.0010		
680 - 685	0.0600	0.0100		
685 - 690	0.0500	-.0010		

ASSAY INFORMATION
SQUAW PEAK MINE - DDH #20

Interval	%Cu	%MoS_2	Oz.Au	Oz.Ag.
690 - 695	0.0500	0.0030		
695 - 700	0.0600	0.0090		
700 - 705	0.0800	0.0020		
705 - 710	0.1500	0.0100		
710 - 715	0.1300	0.0120		
715 - 720	0.1200	0.0220		
720 - 725	0.0900	0.0010		
725 - 730	0.1200	0.0350		
730 - 735	0.1200	0.0040		
735 - 740	0.1300	0.0040		
740 - 745	0.1700	0.0030	(Comp. 625-750)	
745 - 750	0.1900	0.0010	-0.1 ppm	-1 ppm
750 - 755	0.0900	0.0180		
755 - 760	0.0500	0.0010		
760 - 765	0.1200	0.0040		
765 - 770	0.1100	0.0060		
770 - 775	0.0900	0.0010		
775 - 780	0.1100	0.0040		
780 - 785	0.1100	0.0020		
785 - 790	0.0200	0.0060		
790 - 795	0.0900	-.0010		
795 - 800	0.0500	0.0280		
800 - 805	0.0600	-.0010		
805 - 810	0.0700	0.0040		
810 - 815	0.2000	0.0450		
815 - 820	0.1300	0.0030		
820 - 825	0.1000	0.0050		
825 - 830	0.1600	0.0060		
830 - 835	0.0900	0.0190		
835 - 840	0.1500	0.0040		
840 - 845	0.1000	0.0050		
845 - 850	0.1100	0.0010		
850 - 855	0.1000	0.0020	(Comp. 750-860)	
855 - 860	0.1500	0.0130	-0.1 ppm	-1 ppm
860 - 865	0.1500	0.0030		
865 - 870	0.3600	0.1990		
870 - 875	0.1000	0.0010		
875 - 880	0.0800	0.0060		
880 - 885	0.1600	0.0190		
885 - 890	0.1100	0.0040		
890 - 895	0.1500	0.0140		
895 - 900	0.1300	0.0150		
900 - 905	0.1400	0.0340		
905 - 910	0.0900	0.0060		
910 - 915	0.1000	-.0010		
915 - 920	0.1300	0.0060		
920 - 925	0.1400	0.0170		
925 - 930	0.1000	0.0020		
930 - 935	0.1000	0.0060		
935 - 940	0.1300	0.0190		
940 - 945	0.1800	0.0490		
945 - 950	0.0700	0.0050		
950 - 955	0.0700	0.0260		
955 - 960	0.0700	0.0130		
960 - 965	0.2000	0.0330		
965 - 970	0.1000	0.0050		
970 - 975	0.0600	0.0040		
975 - 980	0.0400	0.0020		
980 - 985	0.0600	0.0010		
985 - 990	0.0600	0.0010		
990 - 995	0.0400	0.0040	(Comp. 860-1000)	
995 -1000	0.0900	0.0040	-0.1 ppm	-1 ppm
1000 -1005	0.1300	0.0080		
1005 -1010	0.1100	0.0320		
1010 -1015	0.1400	0.0100		
1015 -1020	0.0900	0.0110		
1020 -1025	0.0600	-.0010		
1025 -1030	0.0500	0.0020		

ASSAY INFORMATION
SQUAW PEAK MINE - DDH #20

Interval	%Cu	%MoS_2	Oz.Au	Oz.Ag
1030 - 1035	0.0700	0.0100		
1035 - 1040	0.0700	0.0040		
1040 - 1045	0.0300	0.0050		
1045 - 1050	0.0500	0.0010		
1050 - 1055	0.0900	-.0010		
1055 - 1060	0.0800	-.0010		
1060 - 1065	0.1100	0.0040		
1065 - 1070	0.1300	0.0090		
1070 - 1075	0.0900	0.0030		
1075 - 1080	0.0600	0.0060		
1080 - 1085	0.0900	0.0060		
1085 - 1090	0.0900	0.0070		
1090 - 1095	0.0700	0.0010		
1095 - 1100	0.1000	0.0140		
1100 - 1105	0.0700	0.0080		
1105 - 1110	0.0600	0.0030		
1110 - 1115	0.1200	0.0100		
1115 - 1120	0.0700	0.0020	(Comp. 1000-1125)	
1120 - 1125	0.0600	0.0050	-0.1 ppm	-1 ppm
1125 - 1130	0.1000	0.0010		
1130 - 1135	0.0600	0.0120		
1135 - 1140	0.0700	0.0060		
1140 - 1145	0.1200	0.0270		
1145 - 1150	0.1800	0.0020		
1150 - 1155	0.1500	0.0120		
1155 - 1160	0.0800	0.0030		
1160 - 1165	0.1100	0.0080		
1165 - 1170	0.0500	0.0010		
1170 - 1175	0.1100	0.0040		
1175 - 1180	0.0700	0.0080		
1180 - 1185	0.0500	0.0010		
1185 - 1190	0.0400	-.0010		
1190 - 1195	0.0300	-.0010		
1195 - 1200	0.0200	-.0010		
1200 - 1205	0.0300	-.0010		
1205 - 1210	0.1300	0.0080		
1210 - 1215	0.1000	0.0030		
1215 - 1220	0.0400	-.0010		
1220 - 1225	0.0600	-.0010		
1225 - 1230	0.0300	-.0010		
1230 - 1235	0.0300	0.0030		
1235 - 1240	0.0200	-.0010		
1240 - 1245	0.0200	-.0010	(Comp 1125-1250)	
1245 - 1250	0.0500	0.0020	-0.1 ppm	-1 ppm

DIAMOND DRILL LOG

SCALE 1" = 50'
STARTED
STOPPED
NOTES BY JBJ 10-9-93

DEPTH
BEARING
INCLINATION

HOLE No. 20 SHEET 2 OF 3
PROPERTY SQUAW PEAK
COUNTY STATE
COLLAR COORD. N. E.
COLLAR ELEV.

ASSAYS % MO	% CU		% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
				500				Similar to above, very weak $CuFeS_2$ FeS_2 MoS_2 dissem. with femics, occas. seams, occas. with quartz veinlets.		Porphyritic granodiorite
				550					556' Moderate to strong orthoclase	
							Specimen 575'			
									588 weak to moderate orthoclase, weak to mod. chlorite alt. of femics	
				600						
				650						
				700						
							726 broken, crumbly		726 Feldspar partly altered to soft green mineral.	
				750						
							760		760 Moderate to locally strong orthoclase, femics altered to chlorite.	
				800			Specimen 804'			
				850						
							874-878 crushed, several fault clays	occasional calcite veinlets	874 Abundant chlorite, feldspar soft, pale green	874 In part same as above, in part fine grained, questionable rock type
				900						
									911 Moderate to strong orthoclase	911 Same as above 874'
									923 Some to much of feldspar soft white to green. Femic alt. to chlorite, some orthoclase	
				950						
									960± Moderate orthoclase, much of remaining feldspar soft green. Strong chlorite alt.	
				1000						

DIAMOND DRILL LOG

SCALE 1"=50' STARTED ____ STOPPED ____ NOTES BY JKJ 10-9-73

DEPTH ____ BEARING ____ INCLINATION ____

HOLE No. 20 SHEET 3 OF 3

PROPERTY SQUAW PEAK COUNTY ____ STATE ____

COLLAR COORD. N. ____ E. ____ COLLAR ELEV. ____

ASSAYS % MO	ASSAYS % CU		% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
				1000			Locally soft, crumbly			Porphyritic granodiorite
				1050						
								1075± Cu Fe S2 may be a little stronger – amount still quite weak.	1075 Moderate amount of Th-oclase, femics mostly altered to chlorite	
				1100						
								1125± Very weak to minor mineralization.	1125 Some orTh. remains but much of feldspar soft, pale green, strong chlorite alt. of femics	
				1150			1155 crumbly broken, occas. calcite veinlets			
							1184		1184 strong decreasing to moderate orThoclase	
				1200			Specimen 1215'			
				1250						
				1300						
									1330 strong clay alteration, some K-spar remains but much of feldspar soft, femics alt. to chloride or destroyed	
				1350					1368 much orThoclase, femic altered to chlorite, some feldspar soft, pale green	
				1400						
				1450					1464± orThoclase becomes less common	
				1500						

1500' BOTTOM OF HOLE

DIAMOND DRILL LOG

SCALE 1"=50' STARTED 4-4-72 STOPPED 5-15-72 NOTES BY K Jeark 10-9-72

DEPTH 1500 BEARING INCLINATION Vertical

HOLE No. 20 SHEET 1 OF 3

PROPERTY SQUAW PEAK COUNTY YAVAPAI STATE AZ

COLLAR COORD. N. ± 7677 E. ± 5201

COLLAR ELEV. ± 4160

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
				0			0-10' NO CORE			
								Thin films FeOx, traces Cu Ox on fractures	Femic partly alt. to chlorite, spotty weak to locally moderate K-spar.	Medium to coarse grained granodiorite
				50						
							92 Broken, crumbly, weathered, local thin fault clays.		92 Much of feldspar clay altered, femic alt. to chlorite	
				100			106	108 Very weak disseminated FeS_2, some seams, local minor $CuFeS_2$, FeOx on fractures, traces CuOx	100 Feldspar in part chalky, femic in part alt. to chlorite, only a few spots K spar replacement	
							Specimen 143'			
				150					150'± Moderate amount K-spar probably mostly secondary, femic in part altered to chlorite, feldspar in part soft, chalky	
							190'-192' broken crumbly minor fault clay			
				200			200 blkr. @ 204' 207 about 1" fault clay			
				250				268' Similar to above but FeOx becomes rare. An occasional qtz veinlet with $CuFeS_2$ & MoS_2		
									286± Feldspars in part soft only slight alteration of femic to chlorite.	286' Somewhat finer grained than above, distinctly porphyritic
				300			Specimen 316'			
									325 Similar to above but local weak to mod. K-spar.	
				350						
							372' broken			
							392' about 1" fault clay at 30° with wall of core			385± At least in part similar to above 286' - locally somewhat finer grained.
				400						
				450			Specimen 459'			
				500						

ASSAY INFORMATION
SQUAW PEAK MINE - DDH #20

Interval	%Cu	$\%MoS_2$	Oz.Au	Oz.Ag.
10 - 15	0.0255	-1 ppm		
15 - 20	0.0205	-1 ppm		
20 - 25	0.0120	-1 ppm		
25 - 30	0.0390	0.0007		
30 - 35	0.0375	-1 ppm		
35 - 40	0.0190	-1 ppm		
40 - 45	0.0140	0.0002		
45 - 50	0.0190	-1 ppm		
50 - 55	0.0185	-1 ppm		
55 - 60	0.0190	-1 ppm		
60 - 65	0.0310	-1 ppm		
65 - 70	0.0190	-1 ppm		
70 - 75	0.0060	-1 ppm		
75 - 80	0.0130	0.0002		
80 - 85	0.0110	-1 ppm		
85 - 90	0.0150	-1 ppm		
90 - 95	0.0125	0.0010		
95 - 100	0.0150	0.0005		
100 - 105	0.0445	0.0018		
105 - 110	0.0265	0.0003		
110 - 115	0.0570	0.0007		
115 - 120	0.0170	0.0002	(Comp. 10 - 125)	
120 - 125	0.0245	0.0013	-0.1 ppm	-1 ppm
125 - 130	0.0415	-1 ppm		
130 - 135	0.0080	-1 ppm		
135 - 140	0.0255	-1 ppm		
140 - 145	0.0270	0.0025		
145 - 150	0.0220	-1 ppm		
150 - 155	0.0175	-1 ppm		
155 - 160	0.0275	-1 ppm		
160 - 165	0.0240	-1 ppm		
165 - 170	0.0530	0.0010		
170 - 175	0.0600	0.0003		
175 - 180	0.0445	-1 ppm		
180 - 185	0.0430	0.0037		
185 - 190	0.0155	-1 ppm		
190 - 195	0.0430	0.0007		
195 - 200	0.0270	-1 ppm		
200 - 205	0.0155	0.0007		
205 - 210	0.0515	0.0008		
210 - 215	0.0980	0.0102		
215 - 220	0.0670	0.0002		
220 - 225	0.0485	0.0003		
225 - 230	0.0545	0.0008		
230 - 235	0.0265	0.0002		
235 - 240	0.0820	-1 ppm		
240 - 245	0.0210	0.0002	(Comp. 125 - 250)	
245 - 250	0.160	-1 ppm	-0.1 ppm	-1 ppm
250 - 255	0.0200	0.0010		
255 - 260	0.0500	0.0010		
260 - 265	0.0400	0.0030		
265 - 270	0.0200	-.0010		
270 - 275	0.0300	0.0020		
275 - 280	0.0300	-.0010		
280 - 285	0.0600	0.0060		
285 - 290	0.0900	0.0100		
290 - 295	0.0700	0.0030		
295 - 300	0.0500	0.0140		
300 - 305	0.0900	0.0090		
305 - 310	0.1300	0.0030		
310 - 315	0.1400	0.0020		
315 - 320	0.0600	0.0050		
320 - 325	0.1000	0.0040		
325 - 330	0.0700	0.0040		
330 - 335	0.0500	0.0010		
335 - 340	0.1100	0.0030		
340 - 345	0.0200	-.0010		
345 - 350	0.0600	0.0020		

ASSAY INFORMATION
SQUAW PEAK MINE - DDH #20

Interval	%Cu	$\%MoS_2$	Oz.Au	Oz.Ag.
350 - 355	0.0100	-.0010		
355 - 360	0.0300	-.0010		
360 - 365	0.0100	-.0010		
365 - 370	0.0300	-.0010	(Comp. 250-375)	
370 - 375	0.0500	-.0010	-0.1 ppm	-1 ppm
375 - 380	0.0400	0.0020		
380 - 385	0.0200	-.0010		
385 - 390	0.0300	-.0010		
390 - 395	0.1200	0.0030		
395 - 400	0.0600	-.0010		
400 - 405	0.0500	0.0020		
405 - 410	0.0500	0.0020		
410 - 415	0.0700	-.0010		
415 - 420	0.0600	0.0080		
420 - 425	0.0500	0.0030		
425 - 430	0.0800	0.0020		
430 - 435	0.0600	0.0090		
435 - 440	0.0400	-.0010		
440 - 445	0.0900	0.0030		
445 - 450	0.0700	0.0080		
450 - 455	0.0500	0.0060		
455 - 460	0.0400	0.0030		
460 - 465	0.0700	0.0010		
465 - 470	0.0400	0.0020		
470 - 475	0.0900	0.0020		
475 - 480	0.1600	0.0100		
480 - 485	0.1300	0.0130		
485 - 490	0.0700	0.0110		
490 - 495	0.1100	0.0210	(Comp. 375-500)	
495 - 500	0.0700	0.0070	-0.1 ppm	-1 ppm
500 - 505	0.0300	-.0010		
505 - 510	0.0500	-.0030		
510 - 515	0.0900	0.0020		
515 - 520	0.0800	0.0020		
520 - 525	0.0600	0.0020		
525 - 530	0.0900	0.0190		
530 - 535	0.0600	0.0100		
535 - 540	0.0700	0.0020		
540 - 545	0.1000	0.0030		
545 - 550	0.0600	-.0010		
550 - 555	0.0700	0.0020		
555 - 560	0.0800	0.0030		
560 - 565	0.0900	0.0040		
565 - 570	0.0500	0.0030		
570 - 575	0.0500	0.0050		
575 - 580	0.0700	0.0030		
580 - 585	0.1200	0.0050		
585 - 590	0.1000	0.0030		
590 - 595	0.1000	0.0040		
595 - 600	0.0900	0.0030		
600 - 605	0.1100	0.0050		
605 - 610	0.1100	0.0060		
610 - 615	0.0500	-.0010		
615 - 620	0.1200	0.0040	(Comp. 500-625)	
620 - 625	0.1300	0.0040	-0.1 ppm	-1 ppm
625 - 630	0.1000	0.0120		
630 - 635	0.0600	0.0020		
635 - 640	0.0800	0.0030		
640 - 645	0.0600	0.0020		
645 - 650	0.0900	0.0090		
650 - 655	0.0700	0.0010		
655 - 660	0.0700	0.0060		
660 - 665	0.0300	-.0010		
665 - 670	0.0900	0.0450		
670 - 675	0.0700	0.0200		
675 - 680	0.0300	0.0010		
680 - 685	0.0600	0.0100		
685 - 690	0.0500	-.0010		

ASSAY INFORMATION
SQUAW PEAK MINE - DDH #20

Interval	%Cu	$\%MoS_2$	Oz.Au	Oz.Ag.
690 - 695	0.0500	0.0030		
695 - 700	0.0600	0.0090		
700 - 705	0.0800	0.0020		
705 - 710	0.1500	0.0100		
710 - 715	0.1300	0.0120		
715 - 720	0.1200	0.0220		
720 - 725	0.0900	0.0010		
725 - 730	0.1200	0.0350		
730 - 735	0.1200	0.0040		
735 - 740	0.1300	0.0040		
740 - 745	0.1700	0.0030	(Comp. 625-750)	
745 - 750	0.1900	0.0010	-0.1 ppm	-1 ppm
750 - 755	0.0900	0.0180		
755 - 760	0.0500	0.0010		
760 - 765	0.1200	0.0040		
765 - 770	0.1100	0.0060		
770 - 775	0.0900	0.0010		
775 - 780	0.1100	0.0040		
780 - 785	0.1100	0.0020		
785 - 790	0.0200	0.0060		
790 - 795	0.0900	-.0010		
795 - 800	0.0500	0.0280		
800 - 805	0.0600	-.0010		
805 - 810	0.0700	0.0040		
810 - 815	0.2000	0.0450		
815 - 820	0.1300	0.0030		
820 - 825	0.1000	0.0050		
825 - 830	0.1600	0.0060		
830 - 835	0.0900	0.0190		
835 - 840	0.1500	0.0040		
840 - 845	0.1000	0.0050		
845 - 850	0.1100	0.0010		
850 - 855	0.1000	0.0020	(Comp. 750-860)	
855 - 860	0.1500	0.0130	-0.1 ppm	-1 ppm
860 - 865	0.1500	0.0030		
865 - 870	0.3600	0.1990		
870 - 875	0.1000	0.0010		
875 - 880	0.0800	0.0060		
880 - 885	0.1600	0.0190		
885 - 890	0.1100	0.0040		
890 - 895	0.1500	0.0140		
895 - 900	0.1300	0.0150		
900 - 905	0.1400	0.0340		
905 - 910	0.0900	0.0060		
910 - 915	0.1000	-.0010		
915 - 920	0.1300	0.0060		
920 - 925	0.1400	0.0170		
925 - 930	0.1000	0.0020		
930 - 935	0.1000	0.0060		
935 - 940	0.1300	0.0190		
940 - 945	0.1800	0.0490		
945 - 950	0.0700	0.0050		
950 - 955	0.0700	0.0260		
955 - 960	0.0700	0.0130		
960 - 965	0.2000	0.0330		
965 - 970	0.1000	0.0050		
970 - 975	0.0600	0.0040		
975 - 980	0.0400	0.0020		
980 - 985	0.0600	0.0010		
985 - 990	0.0600	0.0010		
990 - 995	0.0400	0.0040	(Comp. 860-1000)	
995 -1000	0.0900	0.0040	-0.1 ppm	-1 ppm
1000 -1005	0.1300	0.0080		
1005 -1010	0.1100	0.0320		
1010 -1015	0.1400	0.0100		
1015 -1020	0.0900	0.0110		
1020 -1025	0.0600	-.0010		
1025 -1030	0.0500	0.0020		

ASSAY INFORMATION
SQUAW PEAK MINE - DDH #20

Interval	%Cu	%MoS_2	Oz.Au	Oz.Ag
1030 - 1035	0.0700	0.0100		
1035 - 1040	0.0700	0.0040		
1040 - 1045	0.0300	0.0050		
1045 - 1050	0.0500	0.0010		
1050 - 1055	0.0900	-.0010		
1055 - 1060	0.0800	-.0010		
1060 - 1065	0.1100	0.0040		
1065 - 1070	0.1300	0.0090		
1070 - 1075	0.0900	0.0030		
1075 - 1080	0.0600	0.0060		
1080 - 1085	0.0900	0.0060		
1085 - 1090	0.0900	0.0070		
1090 - 1095	0.0700	0.0010		
1095 - 1100	0.1000	0.0140		
1100 - 1105	0.0700	0.0080		
1105 - 1110	0.0600	0.0030		
1110 - 1115	0.1200	0.0100		
1115 - 1120	0.0700	0.0020	(Comp. 1000-1125)	
1120 - 1125	0.0600	0.0050	-0.1 ppm	-1 ppm
1125 - 1130	0.1000	0.0010		
1130 - 1135	0.0600	0.0120		
1135 - 1140	0.0700	0.0060		
1140 - 1145	0.1200	0.0270		
1145 - 1150	0.1800	0.0020		
1150 - 1155	0.1500	0.0120		
1155 - 1160	0.0800	0.0030		
1160 - 1165	0.1100	0.0080		
1165 - 1170	0.0500	0.0010		
1170 - 1175	0.1100	0.0040		
1175 - 1180	0.0700	0.0080		
1180 - 1185	0.0500	0.0010		
1185 - 1190	0.0400	-.0010		
1190 - 1195	0.0300	-.0010		
1195 - 1200	0.0200	-.0010		
1200 - 1205	0.0300	-.0010		
1205 - 1210	0.1300	0.0080		
1210 - 1215	0.1000	0.0030		
1215 - 1220	0.0400	-.0010		
1220 - 1225	0.0600	-.0010		
1225 - 1230	0.0300	-.0010		
1230 - 1235	0.0300	0.0030		
1235 - 1240	0.0200	-.0010		
1240 - 1245	0.0200	-.0010	(Comp 1125-1250)	
1245 - 1250	0.0500	0.0020	-0.1 ppm	-1 ppm

ASSAY INFORMATION
SQUAW PEAK MINE - DDH #20

Interval	%Cu	%MoS_2	Oz.Au	Oz.Ag.
10 - 15	0.0255	-1 ppm		
15 - 20	0.0205	-1 ppm		
20 - 25	0.0120	-1 ppm		
25 - 30	0.0390	0.0007		
30 - 35	0.0375	-1 ppm		
35 - 40	0.0190	-1 ppm		
40 - 45	0.0140	0.0002		
45 - 50	0.0190	-1 ppm		
50 - 55	0.0185	-1 ppm		
55 - 60	0.0190	-1 ppm		
60 - 65	0.0310	-1 ppm		
65 - 70	0.0190	-1 ppm		
70 - 75	0.0060	-1 ppm		
75 - 80	0.0130	0.0002		
80 - 85	0.0110	-1 ppm		
85 - 90	0.0150	-1 ppm		
90 - 95	0.0125	0.0010		
95 - 100	0.0150	0.0005		
100 - 105	0.0445	0.0018		
105 - 110	0.0265	0.0003		
110 - 115	0.0570	0.0007		
115 - 120	0.0170	0.0002	(Comp. 10 - 125)	
120 - 125	0.0245	0.0013	-0.1 ppm	-1 ppm
125 - 130	0.0415	-1 ppm		
130 - 135	0.0080	-1 ppm		
135 - 140	0.0255	-1 ppm		
140 - 145	0.0270	0.0025		
145 - 150	0.0220	-1 ppm		
150 - 155	0.0175	-1 ppm		
155 - 160	0.0275	-1 ppm		
160 - 165	0.0240	-1 ppm		
165 - 170	0.0530	0.0010		
170 - 175	0.0600	0.0003		
175 - 180	0.0445	-1 ppm		
180 - 185	0.0430	0.0037		
185 - 190	0.0155	-1 ppm		
190 - 195	0.0430	0.0007		
195 - 200	0.0270	-1 ppm		
200 - 205	0.0155	0.0007		
205 - 210	0.0515	0.0008		
210 - 215	0.0980	0.0102		
215 - 220	0.0670	0.0002		
220 - 225	0.0485	0.0003		
225 - 230	0.0545	0.0008		
230 - 235	0.0265	0.0002		
235 - 240	0.0820	-1 ppm		
240 - 245	0.0210	0.0002	(Comp. 125 - 250)	
245 - 250	0.160	-1 ppm	-0.1 ppm	-1 ppm
250 - 255	0.0200	0.0010		
255 - 260	0.0500	0.0010		
260 - 265	0.0400	0.0030		
265 - 270	0.0200	-.0010		
270 - 275	0.0300	0.0020		
275 - 280	0.0300	-.0010		
280 - 285	0.0600	0.0060		
285 - 290	0.0900	0.0100		
290 - 295	0.0700	0.0030		
295 - 300	0.0500	0.0140		
300 - 305	0.0900	0.0090		
305 - 310	0.1300	0.0030		
310 - 315	0.1400	0.0020		
315 - 320	0.0600	0.0050		
320 - 325	0.1000	0.0040		
325 - 330	0.0700	0.0040		
330 - 335	0.0500	0.0010		
335 - 340	0.1100	0.0030		
340 - 345	0.0200	-.0010		
345 - 350	0.0600	0.0020		

ASSAY INFORMATION
SQUAW PEAK MINE - DDH #20

Interval	%Cu	%MoS_2	Oz.Au	Oz.Ag.
350 - 355	0.0100	-.0010		
355 - 360	0.0300	-.0010		
360 - 365	0.0100	-.0010		
365 - 370	0.0300	-.0010		
370 - 375	0.0500	-.0010		
375 - 380	0.0400	0.0020		
380 - 385	0.0200	-.0010		
385 - 390	0.0300	-.0010		
390 - 395	0.1200	0.0030		
395 - 400	0.0600	-.0010		
400 - 405	0.0500	0.0020		
405 - 410	0.0500	0.0020		
410 - 415	0.0700	-.0010		
415 - 420	0.0600	0.0080		
420 - 425	0.0500	0.0030		
425 - 430	0.0800	0.0020		
430 - 435	0.0600	0.0090		
435 - 440	0.0400	-.0010		
440 - 445	0.0900	0.0030		
445 - 450	0.0700	0.0080		
450 - 455	0.0500	0.0060		
455 - 460	0.0400	0.0030		
460 - 465	0.0700	0.0010		
465 - 470	0.0400	0.0020		
470 - 475	0.0900	0.0020		
475 - 480	0.1600	0.0100		
480 - 485	0.1300	0.0130		
485 - 490	0.0700	0.0110		
490 - 495	0.1100	0.0210		
495 - 500	0.0700	0.0070		
500 - 505	0.0300	-.0010		
505 - 510	0.0500	-.0030		
510 - 515	0.0900	0.0020		
515 - 520	0.0800	0.0020		
520 - 525	0.0600	0.0020		
525 - 530	0.0900	0.0190		
530 - 535	0.0600	0.0100		
535 - 540	0.0700	0.0020		
540 - 545	0.1000	0.0030		
545 - 550	0.0600	-.0010		
550 - 555	0.0700	0.0020		
555 - 560	0.0800	0.0030		
560 - 565	0.0900	0.0040		
565 - 570	0.0500	0.0030		
570 - 575	0.0500	0.0050		
575 - 580	0.0700	0.0030		
580 - 585	0.1200	0.0050		
585 - 590	0.1000	0.0030		
590 - 595	0.1000	0.0040		
595 - 600	0.0900	0.0030		
600 - 605	0.1100	0.0050		
605 - 610	0.1100	0.0060		
610 - 615	0.0500	-.0010		
615 - 620	0.1200	0.0040		
620 - 625	0.1300	0.0040		
625 - 630	0.1000	0.0120		
630 - 635	0.0600	0.0020		
635 - 640	0.0800	0.0030		
640 - 645	0.0600	0.0020		
645 - 650	0.0900	0.0090		
650 - 655	0.0700	0.0010		
655 - 660	0.0700	0.0060		
660 - 665	0.0300	-.0010		
665 - 670	0.0900	0.0450		
670 - 675	0.0700	0.0200		
675 - 680	0.0300	0.0010		
680 - 685	0.0600	0.0100		
685 - 690	0.0500	-.0010		

(Comp. 250-375)
-0.1 ppm -1 ppm

(Comp. 375-500)
-0.1 ppm -1 ppm

(Comp. 500-625)
-0.1 ppm -1 ppm

ASSAY INFORMATION
SQUAW PEAK MINE - DDH #20

Interval	%Cu	%MoS_2	Oz.Au	Oz.Ag.
690 - 695	0.0500	0.0030	.0097	
695 - 700	0.0600	0.0090		
700 - 705	0.0800	0.0020		
705 - 710	0.1500	0.0100		
710 - 715	0.1300	0.0120		
715 - 720	0.1200	0.0220	0.0094	
720 - 725	0.0900	0.0010		
725 - 730	0.1200	0.0350	45'	.1356
730 - 735	0.1200	0.0040		
735 - 740	0.1300	0.0040		
740 - 745	0.1700	0.0030	(Comp. 625-750)	
745 - 750	0.1900	0.0010	-0.1 ppm	-1 ppm
750 - 755	0.0900	0.0180		
755 - 760	0.0500	0.0010	10	.07
760 - 765	0.1200	0.0040		
765 - 770	0.1100	0.0060		
770 - 775	0.0900	0.0010	25'	.108
775 - 780	0.1100	0.0040		
780 - 785	0.1100	0.0020		
785 - 790	0.0200	0.0060	0.0071	
790 - 795	0.0900	-.0010		
795 - 800	0.0500	0.0280	25	.06
800 - 805	0.0600	-.0010		
805 - 810	0.0700	0.0040		
810 - 815	0.2000	0.0450		
815 - 820	0.1300	0.0030		
820 - 825	0.1000	0.0050	0.0093	
825 - 830	0.1600	0.0060		
830 - 835	0.0900	0.0190		
835 - 840	0.1500	0.0040		
840 - 845	0.1000	0.0050		
845 - 850	0.1100	0.0010		
850 - 855	0.1000	0.0020	(Comp. 750-860)	
855 - 860	0.1500	0.0130	-0.1 ppm	-1 ppm

Interval	%Cu	%MoS_2	Oz.Au	Oz.Ag.
860 - 865	0.1500	0.0030		
865 - 870	0.3600	0.1990		
870 - 875	0.1000	0.0010	0.0276	
875 - 880	0.0800	0.0060		
880 - 885	0.1600	0.0190		
885 - 890	0.1100	0.0040		
890 - 895	0.1500	0.0140	135'	.1348
895 - 900	0.1300	0.0150		
900 - 905	0.1400	0.0340		
905 - 910	0.0900	0.0060		
910 - 915	0.1000	-.0010		
915 - 920	0.1300	0.0060		
920 - 925	0.1400	0.0170	0.0140	
925 - 930	0.1000	0.0020		
930 - 935	0.1000	0.0060		
935 - 940	0.1300	0.0190		
940 - 945	0.1800	0.0490		
945 - 950	0.0700	0.0050		
950 - 955	0.0700	0.0260	15'	.07
955 - 960	0.0700	0.0130		
960 - 965	0.2000	0.0330		
965 - 970	0.1000	0.0050	10'	.15
970 - 975	0.0600	0.0040		
975 - 980	0.0400	0.0020	0.0093	
980 - 985	0.0600	0.0010		
985 - 990	0.0600	0.0010	30'	.0583
990 - 995	0.0400	0.0040	(Comp. 860-1000)	
995 -1000	0.0900	0.0040	-0.1 ppm	-1 ppm
1000 -1005	0.1300	0.0080		
1005 -1010	0.1100	0.0320		
1010 -1015	0.1400	0.0100	15'	.1267
1015 -1020	0.0900	0.0110		
1020 -1025	0.0600	-.0010		
1025 -1030	0.0500	0.0020		

ASSAY INFORMATION
SQUAW PEAK MINE - DDH #20

Interval	%Cu	%MoS_2	Oz.Au	Oz.Ag
1030 - 1035	0.0700	0.0100	0.0084	
1035 - 1040	0.0700	0.0040	45'	.0656
1040 - 1045	0.0300	0.0050		
1045 - 1050	0.0500	0.0010		
1050 - 1055	0.0900	-.0010		
1055 - 1060	0.0800	-.0010		
1060 - 1065	0.1100	0.0040	10'	0.12
1065 - 1070	0.1300	0.0090		
1070 - 1075	0.0900	0.0030	0.0052	
1075 - 1080	0.0600	0.0060		
1080 - 1085	0.0900	0.0060		
1085 - 1090	0.0900	0.0070		
1090 - 1095	0.0700	0.0010		
1095 - 1100	0.1000	0.0140		
1100 - 1105	0.0700	0.0080	70'	.0793
1105 - 1110	0.0600	0.0030		
1110 - 1115	0.1200	0.0100		
1115 - 1120	0.0700	0.0020	(Comp. 1000-1125)	
1120 - 1125	0.0600	0.0050	-0.1 ppm	-1 ppm
1125 - 1130	0.1000	0.0010	0.0088	
1130 - 1135	0.0600	0.0120		
1135 - 1140	0.0700	0.0060		
1140 - 1145	0.1200	0.0270	15'	.15
1145 - 1150	0.1800	0.0020		
1150 - 1155	0.1500	0.0120		
1155 - 1160	0.0800	0.0030		
1160 - 1165	0.1100	0.0080		
1165 - 1170	0.0500	0.0010	<0.0028	
1170 - 1175	0.1100	0.0040		
1175 - 1180	0.0700	0.0080	50'	.054
1180 - 1185	0.0500	0.0010		
1185 - 1190	0.0400	-.0010		
1190 - 1195	0.0300	-.0010		
1195 - 1200	0.0200	-.0010		

Interval	%Cu	%MoS_2	Oz.Au	Oz.Ag
1200 - 1205	0.0300	-.0010		
1205 - 1210	0.1300	0.0080		
1210 - 1215	0.1000	0.0030	10'	.115
1215 - 1220	0.0400	-.0010		
1220 - 1225	0.0600	-.0010	<0.0022	
1225 - 1230	0.0300	-.0010		
1230 - 1235	0.0300	0.0030	35'	.0357
1235 - 1240	0.0200	-.0010		
1240 - 1245	0.0200	-.0010	(Comp 1125-1250)	
1245 - 1250	0.0500	0.0020	-0.1 ppm	-1 ppm

1210 - 1250 = 1240' @ 0.0752 Cu

PETROLOGIC DESCRIPTION

Spec. No: SP-20-459
Locality: DDH 20
Occurrence:
Field Relns (See C below):

minor py

Coll./Exam. by: JKJ / RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: LT. GRAY

Texture: MED. GR.

Density:

2.

	(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1	qtz		med		30-35	
2	plag		med-large		30	large, mostly unalt'd xls; usually well zoned 15-20% → ser/clc; strongest alt. appears rel. to calcite
3	K felds		fine-med		10-15	surrounds + repl. plag. Part. abund. at xl intersects.; unaltered
4	bt	chlorite	fine-med c.		10	As large broken unalt'd xls + as f.g. masses asso. w/ calcite alt., 50% → chlor
5	hornbl	"	≤2 mm		5	5% → chlor
	apatite		v. fine		tr	Abund tiny prisms; commonly w/ sulfides as recryst. components of prop. patches
		calcite	v. fine		2	Mostly in numer. tiny vnlts (late), often asso. w/ sulfides in vns or related small calc ± epi-chlor-sul patches
		epidote	fine		tr	asso. w/ K-felds, calc patches repl. of bt
		sulfides	fine		HR	Dism w/ calc ± chlor ± epid ± Kspar patches, or vnlet w/ calcite ± sericite

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin

6. Field Classification - Name: GRANODIORITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)

2. Weathering, Alteration, Staining, Surface Features

Wk seric
Str. calc w/ vk-mod chlor-epid-Kspar(?)

3. Mineralization VNS + Dism; almost always w/ calc ± chlor ± bt ± epid ± Kspar ± apatite

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Stained

Over ☐ Yes ☐ No

PETROLOGIC DESCRIPTION

Spec. No: SP-20-575
Locality: DDH 20
Occurrence:
Field Relns (See C below):
Minor sulfides

Coll./Exam. by: JKJ/RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:
   Color:
   Texture: MED GR. GRANITOID
   Density:

2.

	(PRIMARY) Discern. Minerals	(ALT'N)	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1	qtz				30	
2	plag	serit, clay			30-35	60% perv. alt by ser + clays
3	K-felds				10	Fresh, interstitial, repl. plag; poss in minute fracs
4	bt	chlor.			10-15	80% → chlor, tr epid.
5	hornbl		≤3mm		5	Mostly fresh, wk chloritic alt
	apatite				tr	
		epidote			3-4	Mostly in 1 1-2 mm vn. almost wholly epidote (tr qtz) - tr sulfides at edges
		calcite			1	In small vnlts + w/ sul in calc-chlor pods
		sulfides			tr	Diss, weak; asso w/ calc ± chlor ± epid pods

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

5. Evidence on Origin

Phenocryst/Groundmass Ratio =

6. Field Classification - Name: GRANODIORITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
   Wk-mod fracturing

2. Weathering, Alteration, Staining, Surface Features
   Mod-str. perv. seric alt cut by vn-rel epid-calc alt
   Mod chlor alt'n

3. Mineralization
   Wk, Diss

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

stn.