

012586

PROPERTY: BEAVER MOUNTAIN

HOLE # Trudy Q-1 LOCATION

ATTITUDE -90°

COLLARED: May 24, 1971

FINISH: May 29, 1971

From	To		Cu (ppm)	Cu(%)	MoS2 %	Shorts
0	40	Overburden - boulders.				
40	57	<p>Porphyritic quartz monzonite, 40% 2 mm subhedral plagioclase in a fine grain potassium feldspar + quartz chlorite matrix. Plagioclase is very slightly sericit- ized, matrix is more strongly sericit- itized. Pyrite and chalcopyrite disseminated in chlorite blebs, pyrite associated with gypsum fractures. Pyrite/chalcopyrite 10/1. Total sulphides 1-2%. 54-57' - strong gypsum fractures parallel to core, and 2-3 mm pyrite veinlets. Very strong local sericite alteration.</p>		.07	.006	3.5'
57	59.5	<p>Monzonite porphyry - 20% 1¹/₂ x 3 mm plagioclase and potassium feldspar phenocrysts in a soft, aphanitic, gray-green groundmass. Disseminated and fracture controlled pyrite and chalcopyrite. Pyrite/chalcopyrite 5/1. Total sulphides 3%. Contacts are gouge and gypsum coated.</p>		.15	.006	
59.5	75	<p>Porphyritic monzonite as 40-57'. A few silicified fractures parallel and normal to core with minor sulphides.</p>		.16	.006	0.5'
75	79	<p>Breccia, fragments of porphyritic quartz monzonite in a strongly sericit- itized but clearly granitic matrix. Probably tectonic. Much gouge and gypsum. Sulphides as 59.5-75'.</p>				1'
79	94	<p>Diorite porphyry. 20% 1 x 2 mm euhed- ral plagioclase phenocrysts in a gray-; green matrix. Sulphide disseminated and in gypsum fractures. Pyrite/chalcopyrite >10/1. Texture variable. Matrix and pheno- crysts soft. May be granitized volcanic.</p>		.13 .08	.006 .004	2'

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From	To		Cu (ppm)	Cu (%)	Mo S2 %	Shorts
94	103.5	Porphyritic quartz monzonite. Alteration and sulphides as 40-57'.		.07	.004	0.5'
103.5	108.5	Diorite porphyry as 79-94'.				
108.5	115	Breccia. Angular to subrounded porphyritic quartz monzonite frag- ments. Matrix is gouge, clay and gypsum. Probably tectonic. Pyrite and chalcopyrite disseminated and with 1-10 mm quartz stringers. Ratio overall - 10/1 Ratio in quartz - 2/1		.13	.005	
115	130	Porphyritic quartz monzonite. As 40-57'.		.11 .07 .13	.005 .006 .004	1'
130	176	Granodiorite, chloritized and weakly sericitized. Hypidiomorphic-granular, average grain size 2 mm. Pyrite and chalcopyrite disseminated and with gypsum and minor quartz stringers. Pyrite/chalcopyrite 10/1. Fault breccia @ 142'. Minor potassium feldspar, replacement and on fractures. 154-162' has abundant gypsum filled fractures to 2 mm, strong sericite, pyrite stringers to 2 mm. 167-170' same as 154-162'.		.13 .12 .17 .15	.004 .004 .003 .003	1.5'
176	182	Breccia. Gypsum and gouge cement, some quartz and potassium feldspar stringers.		.17	.004	1'
182	197.5	Granodiorite fine grain, weak sericite, pyrite and chalcopyrite disseminated and with gypsum fractures. Pyrite/chalcopyrite 10/1.		.15	.004	
197.5	203	Quartz monzonite, hypidiomorphic-gran- ular. Mineralized as 182-197.5'.		.09	.004	
203	217	Granodiorite, average 3 mm grading to 1 mm. Mineralized as 182-197.5.		.11	.004	

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From	To		Cu (ppm)	Cu(%)	MoS2 %	Shorts
217	221	Quartz monzonite - mineralized with pyrite, chalcopyrite disseminated, on gypsum fractures, and with quartz. Weak to medium sericite. Pyrite/chalcopyrite ¹⁰ /1, except quartz veinlets where pyrite/chalcopyrite is ³ /1.		.11	.003	
221	234	Granodiorite, fine grain. Mineralized as 182-197.5'.		.14	.003	} 0.5'
234	249.5	Quartz monzonite. Mineralized as 217-221'.		.11	.003	
249.5	253.5	Breccia. Gypsum and gouge cement.		.10	.003	
253.5	263.5	Granodiorite, fine grain. Mineralized as 182-197.5'.		.15	.003	
263.5	265.5	Breccia, gypsum and gouge cement.				
265.5	268.5	Andesite dike, fresh, post mineral.		.14	.003	
268.5	289	Granodiorite, average 2 mm. Weak sericite, cut by minor quartz and gypsum veinlets. Gypsum cuts quartz. Pyrite disseminated and with veinlets. Very minor chalcopyrite.		.13	.003	
289	310	Quartz monzonite. Abundant gypsum fractures. Some tectonic breccia: Pyrite disseminated and on fractures. Very minor chalcopyrite		.15 .13 .12	.002 .004 .003	} 0.5'
310	320.5	Fine grain green rock with a few hematitic angular fragments. Probably meta agglomerate. Mineralized with gypsum, calcite, pyrite, minor chalcopyrite on fractures.		.13	.003	
320.5	329	Breccia. Angular quartz monzonite fragments in a gouge matrix. Pyrite.		.09	.003	

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From	To		Cu (ppm)	Cu(%)	Mo S2 %	Shorts
329	437	Porphyritic (quartz) monzonite. Pervasive weak sericite. Quartz and gypsum stringers. Pyrite, chalcopyrite disseminated and with quartz, Pyrite with gypsum. A few grains MoS2 with quartz. Pyrite/chalcopyrite 5/1-10/1. Best grade seen. Estimate just under 0.1%. Strong sericite, better chalcopyrite @ 383-392'. Breccia @ 377', 401-403', 410', 426-430', 435-437'.	.15 .15 .10 .09 .18 .11 .12 .07 .09 .04	.005 .003 .003 .003 .004 .003 .003 .003 .003 .007	4'	
437	460	Post mineral andesite dike.				

Averages:

.11% Cu. over 400' from 40' to 440'.
.0038% MoS2 over 400' from 40' to 440'.

Composite sample 40'-460' .005 Oz./Ton Gold
Trace Oz./Ton Silver

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- 90°

HOLE # 2

LOCATION See May report for location

DIP -90°

From	To	Description	Cu (ppm)	Cu (%)	MoS ₂ %
		Note: Disseminated magnetite throughout except where hematite noted.			
0	10	Overburden.			
10	73	Porphyritic quartz monzonite. Weathered partially leached. Supergene silicate alteration. Strong pervasive sericite but texture not destroyed. Pyrite, chalcopyrite, malachite, limonite on fractures. Gypsum fractures.	.18 .12 .19 .15 .22 .28	.003 .003 .003 .002 .001 .003	
73	92	Very fine grain chlorite-sericite-epidote? rock with 5% 2mm quartz pheochrysts. Quartz and gypsum fractures. Minor chalcopyrite and pyrite associated with quartz fractures.	.21 .19	.002 .002	
92	122	Porphyritic quartz monzonite. Weakly weathered. Pervasive sericite, minor chlorite, pyrite, chalcopyrite and hematite, disseminated and with quartz stringers. Gypsum fractures. Pyrite/chalcopyrite 5/1 Assay Spec - 100' - 110'.	.21 .23 .33	.002 .003 .003	
122	174	Granodiorite and porphyritic granodiorite. Nil to very weak sericitization of plagioclase. Weak sericite in matrix. 20% chlorite, 2-5% epidote in matrix. Pyrite and chalcopyrite disseminated and associated with a few quartz stringers. Pyrite/chalcopyrite 5/1 Total sulphides 1/3% Strong shearing 164 - 174	.39 .26 .35 .11 .14	.003 .002 .002 .003 .003	
174	187	Strong sericite alteration, rusty, sheared. Granodiorite or quartz, monzonite. Chalcopyrite, pyrite, some leaching. MoS ₂ at 183	.10	.005	
187	247	See 122 - 174. Strong potassium feldspar 187 - 192.	.10 .13 .10 .10 .17 .11	.002 .002 .002 .004 .002 .001	

PROPERTY:

HOLE #		LOCATION	DIP		
From	To	Description	Cu (ppm)	Cu (t)	% S ₂ %
247	256	Leucocratic, Strong sericite altered granodiorite or monzonite. Disseminated pyrite, chalcopyrite 5% gypsum on fractures. Disseminated hematite Pyrite/chalcopyrite 3-5/1		.17	.003
256	285	Granodiorite. Pervasive sericite alteration gypsum, quartz and clay? fractures. Pyrite and chalcopyrite with fractures and disseminated near fractures. Pyrite/chalcopyrite 5-10/1		.14 .10 .09	.002 .002 .002
285	296.5	Very strong clay alteration and shearing. Gouge. Pyrite and minor chalcopyrite.		.10	.002
295.5	299.5	Medium green, fine grain, pink and white gypsum veining, sulphide poor.			
299.5	303	See 285 - 296.5		.11	.002
303	328	Granodiorite, porphyritic, granodiorite. pervasive sericite. 15% chlorite in matrix. Pyrite, chalcopyrite, disseminated with chlorite and with quartz fractures. Gypsum fractures. Pyrite/chalcopyrite 5/1		.14 .17	.002 .002
328	330	Fine grain biotite - feldspar rock. Zenolith? Pyrite only.		.13	.003
330	370	See 303 - 328. Gouge clay 350-360'		.13 .11 .12	.003 .002 .003
370	373	See 299.5 - 303		.14	.003
373	382	Granodiorite. Much gouge.		.10	.002
382	403	Very strong sericite alteration, light green, leucocratic. Pyrite/chalcopyrite 3/1		.14 .07	.003 .003
403	419	Strong sericite. Plagioclase phenocrysts are replaced by green sericite. Pyrite/chalcopyrite 5/1		.14	.003

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HOLE #

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DIP

<u>From</u>	<u>To</u>	<u>Description</u>	<u>Cu (ppm)</u>	<u>Cu (%)</u>	<u>MoS2 %</u>
419	425	Porphyritic granodiorite. Weak pervasive sericite.		.18	.002
425	465	Porphyritic granodiorite. Gouge and erratic potassium feldspar. chalcopyrite with quartz stringers. Pyrite/chalcopyrite 10/1		.09 .08 .14 .15	.002 .002 .001 .001
465	492	Granodiorite porphyritic granodiorite, chlorite epidote. See 122 - 174.		.14 .10	.002 .001

Averages:

.15% Cu. over 472' from 20' to 492'.

.0023% MoS2 over 472' from 20' to 492'.

Composite sample 10' - 492' .005 Oz./Ton Gold
Trace Oz./Ton Silver