



H-B 6 (-45° W.)

Burg.

Burg.

Elevation	Dose	VEINING		ALTERATION		MINERALIZATION	
		INTENSITY	TYPE	INTENSITY	TYPE	Grass Gr. Ca - 10 A - 0.1 - 0.25 B - 0.25 - 0.5 C - 0.5 - 0.75 D - 0.75 - 1.0 E > 1.0	MoS ₂ MoS ₂ - 0.01 0.05 - 0.1 0.1 - 0.2 > 0.2
0 - 13	NC.						
13 - 130	qtz, monzonite por. feldspar phenox. 25% bio. 10% qtz. -10% matrix 50% ± light coloured, with buffy feldspars. Qtz. phenox to 1cm (rare) pl. to 1/2 cm. long. (common)	mod. F. slight qtz. V.	weathering			py, disem. & in joints. some, cp & cc. A	
(52)	6" of shatter breccia cemented with py.			buffy alt. with pc.			
120 -		py filled F ^s become mod. intense py. F ^s	silicification extends out from (in drusy qtz veins)			py, cc, moly. cc deposited on py. in some instances.	
150 -		ret. F. & V.				B ⁺ because cc.	
(151)	126 - note clay alt. of feldspars.						
235 -			Kaolinized & silicified. Bleached looking			1° cp & py. Tr. moly	
(232 - 240)	poor gaugy core, possibly fault.						
243 -	start of gypsum coated fractures. (fibrous (?))		variable alt. of feldspars - green to buff.			highly py ^c .	
258 -		py. filled F ^s become less intense				end highly py ^c . disem. py. throughout. Tr. cp	

PROPERTY FILE

Foot.	Desc.	Veining Fract.	Alteration intensity Type	Min ⁿ
330 -	starting pinkish matrix. Same gypsum filled fractures are coated with py. Rare Kf. phenox. Resembles qtz. latite in part.		Kf. (10% bio with fairly big books)	py, F ¹⁵ & disem. cp. B.
338 - 368	shot through with dark breccia like veinlets, mostly at 30-40°/axis.			Tr. moly
(341)	[127]			
368 - 394	Dark greenish-grey andesite(?) dike. Light buffy colour & chilled for 1st foot. Trachitic structure parallel to contact; In two feet become 45°/axis. Cut by gypsum filled fractures. Up to 10% small feld. phenox. in adense felted matrix.			
(376)	[128]			
394	lower contact.			
394 - 405	cont. same as before.			
405 - 424	matrix become quite dark brown.		intense Secondary bio. (?) ret. qtz. & veining.	B (?)
424 -	pink matrix, otherwise similar			
(445 - 446)	Dark secondary Bio matrix			
446 - 470	light-brown matrix, buff feldspars & abund. ret. qtz. py. V.			A-B

H.B-6

Foot.	Desc.	Veining Fract.	Alteration intensity & Type	Min Δ
470 - 476	slightly vesicular andesite dike. chilled contact 45°/axis			
476 - 638	same as before.	intense ret. qtz. py. V.		B Tr. moly
(6/6)	129 typical qtz. mon. por. with ret. V. Tr. Moly B+cp.			
638 - 700	matrix became ^{quite} pinkish otherwise same			
700 - 726	matrix as before			
726	end of hole.	V. intense to end.		

H-9 (-40°)

Burg.

Foot.	Desc.	veining Fract.	Alteration intensity & Type	Min ^d
0-12	NC			
12-35	poor buttons, gaugy mat. jarosite stained hornfels	leached qtz.		
35-	biotitic hornfels, poor core, abundant limonite & some jar. Crude pyroclastic text. occasionally visible			
61-66				some moly in qtz. veinlet
66-77	brown biotitic hornfelsic pyroclastic poor core, (75) 130	ret. qtz.V		A. moly
77-81	transition from ferromolybdate hornfels with moly to hornfels with cc (85) 131 cc replacing py			cc D
81-135	cont. light brown hornfelsic pyroclastic with ferromolybdate			some py some cc moly B
135-169	cont. same without ferro molybdate. moly. py. cp. some cc. qtz.			C-B Cu B moly C Cu.
169-207	some primary cp starts.			C moly B Cu
207-225	silicified light coloured hornfels.			B ⁺ moly D Cu
225-291	diorite starts, f. even grained holo crystalline rk. of 25% bio. & most remainder feldspar. Very poor core. chips of diorite.			C(?) Cu B(?) moly <u>cc.</u> py. & moly

H-9 (-40°)

Berg

Foot.	Desc.	veining Fract.	Alteration intensity & type	Min ⁿ
291-296	hornfels (?)		slight	
296-331	diorite very poor core			
331-	diorite, mineralized			C Cu
393-416	good core starts Fracturing intense, $\frac{1}{2}$ ' or so apart.	veining less intense. F. healed mostly with gypsum	slight	B moly. moly mostly in veinlets D Cu B Moly cp mostly in Fractures.
416-439	same as (393-416)			
439-462	'		hornblende biotized. feld spars possibly kaolinized	D Cu B moly
462-533	same as previous			same
(476)	140 diorite			
533-556	same as previous			D Cu B Moly
556-580	same	predom. vein set 90°/axis, also Fractures 90°/axis.		same
580-603	same			same
603-606			diorite is biotized, sheared & silicified	
606-628	same.		back to normal	same.
628-651	same.			same
651-670	same			same.
670-689	same			same
689-713	same		variably chloritized & silicified, slightly sheared in places.	same

H-9 (-40°)

Berg.

Foot.	Desc.	Veining Fract.	Alteration intensity & type	Min 'n
713 - 755 (755)	same end of hole			same

B-13 (-45°) (?)

Berg. Aug/66.

ASB WB

Footage	Desc.	V & F	Ait.	Minerals
0 - 12	NC			
12 - 34	fairly normal qtz. monz. por.		not highly weathered partly weath.	some moly py. Cu A Moly A
34 - 234	Por. with brownish med. F. matrix - overall light some colour. Breccia texture (vague). - Note: Por. has almost no mafic minerals			py & moly V. some, cc. quite pyritic. disseminated py & cc. Cu A ⁺ Moly B
(93) 145				
(234)	contact with foliated hrfs, foliation 50°/axis			
234 - 364	brownish to light brown hrfs with reticulate patchy mottling. Minor remnants of pyroclastic structure.	abundant		some cp. B-A ⁺ Cu Tr Moly highly pyritic
364 - 365	possible fault			
365 - 414	white light-coloured, silicified hrfs.			highly pyritic Cp. A Moly B
414 - 483	alternating light & mottled, reticulate hrfs			pyritic Cp. B. Moly A. Moly B. Tr. sphalerite in one py. V. Cu B. pyritic Cu A Moly Tr.
483 - 555	same			pyritic B. Moly Cu A pyritic highly pyritic Cu A. Moly A
555 - 600	same			
600 - 627	same			
627 - 644	same	gyp. filled F.		
644 - 717	mostly brown reticulate altered			

B-13 (-45°)?

Berg Aug/66

ASB

WB

Footage	Desc.	V&E	AIT	Min ⁿ
	hrfs with py. & gyp. filled fractures. Tr. of pyroclastic textures			Sp A Moly Tr.

(717) end of hole

140

?

Berg. Aug./66

ASB W.B

Foot.	Desc.	Veining. Fracturing	Alteration intensity & type	Min ⁿ .
0-14	NC			Nil
14-46	hornfels	F & V	rusty weathering, leached.	Nil
46-60	grey andesite dyke; slightly porphoritic & vesicular			Nil
60-150	brownish-grey hrfs		as (14-46) partly kaolinized	Nil
150-181	same.		same.	some ferro- molybdate starting
(170-180) (181)			end of intensive weathering & leaching	f.moly. prom. Nil
181-186	hornfels, light brown, highly shattered.	V ^d	hornfels slightly rusty & leached, unweathered	some cc on py.
186-213	same		py. veins hrfs bleached	highly py ^c ; cc, & f.moly. D Cu
(196)				first moly.
213-225		abundant	silicified hrfs qtz. veinlets	f.moly & moly Cu B Moly B
225-227	dike of qtz latite por. (probably qtz monz.)			
227.-238	silicified hrfs.			cc, f.moly Moly. C Cu C
238-260			hrfs slightly kaolinized	same
260-263 (263)	solid vein of py & cc. possible small fault.			Cu 3%

3

Berg. Aug/66 ASB WB

Footage	Desc.	Veining Fracturing	Alteration intensity + type	Min ⁿ
263-287 (273)	poor core recovery		hrfs quite weathered	cc. Cu D much cc.
287-304			hrfs fairly fresh.	Cu D cc.
(304)	contact with qtz. monz. por.			
304-323	qtz. monz. por. dyke			Cu A. Moly Tr. slightly py ^{tized} cc.
323-330	hrfs			Tr. cc. Moly D Cu A
330-333	qtz. monz. por. dyke			
333-358	brown hrfs	quite highly V.		py. cc. Cu B Moly A
358-401	qtz. monz. por. . some inclusions of hrfs (angular)	minor V. with py.		py Tr. cc Tr. Moly A. Cu
(360-383)	N.E.			
401-416	dark hrfs	abundantly V. & shattered		py. Moly
416-418	qtz. monz. por.			
418-450 (450)	hrfs			Cu Tr. <u>1st cp.</u>
450-480	hrfs. - dark grey	V with py & shattered	gypsum & qtz.	Cu B. Moly B. Cu C Moly B
480				

? A

Berg Aug/66

ASB WB.

Footage	Desc	veining. Fracturing	Alteration intensity & Type	Mineralization
490-502	core broken up.			
507-510	pyroclastic textures in hfts are evident. dark hfts			Cu D Moly A.
510-525	dark hfts	gyp. Velets become important		Cu C Moly B.
525-570	pyroclastic textures in dark hfts	same.		Cu B Moly A mostly py.
570-600	dark hfts.	same		Cu A, Moly A.
600-601	sphalerite, galena, py. qtz. gyp. vein			
	141 - above vein			
601-608	hfts, dark grey	mod. shattered & V. with gyp & py		Cu A.
608-628	same.	qtz. V. ^s		Moly A ^r Cu C.
628-676	same		hfts becoming silicified	Moly B Cu A Cp. B- py. abund.
676-683	skarny, light greeny- grey, mottled, pyro- clastic ^{hfts} ; with faulted vein breccia cemented from (676-678) in which there is a vein of ccsp.			Cu C, Moly C.
683	pyroclastic lipilly texture foliation // hole.			Cu C Moly D

Foot age	Desc.	veining Fracturing intensity	Alteration intensity & type	Mineralization
(692)	core size changes from Ax to Bx			
691-715	fairly normal hrf's minor Qtz. & gyp.	shattered & V. py. filled F.		py. cp. A Cu.
(715-755)	core missing	& cp.		
755-764	hrf's, skarny			Cu B Moly A. Nil
764-772	grey andesite dyke at 45°/axis of hole			
(770-772)	fault gouge			
772-782	skarny hrf's			Cu A, Moly A
782-786	dyke, grey andesite			Nil
786-817	skarny hrf's	intensely shattered		Cu B Moly A.
(795)	(moly vein cut by py vein cut by gyp. vein)			
817-820	skarny hrf's		pat. clay, chlorite	Cu D Moly B
820-840			patchy light brown & light green reticulate alt. Kaolin, chlorite (?)	Cu A Moly A.
840-875	alternating fairly normal hrf's & clay chlorite altered, pyroclastic textures apparent in part.			Cu A. Moly B.
875-932	normal dark grey py ^c hrf's			Cu B ⁺ Moly Tr.
932-1185	same. Dark grey biotitic hrf's.	shattered	slight bleaching	Cu A
1185 - <u>end of hole</u>	faint pyroclastic textures.	& V. with py. py. veinlets.	adjacent to	Moly Tr.

19 (vert)

Berg. Aug/66 ASB WB.

Foot.	desc.	V. & F	AIT.	Min' ⁿ
0-11	NC.			
11-116	rusty, leached, ^(qtz. por) monz. A poor core.			Tr. F moly. a little cc (?) Tr. moly moly B Some. cc. Cu A
(113)				
116-182	mod. fresh qtz. monz por. poor core.			<u>cc</u> Cu E
182-187				
187-232	cont. same.			Moly C. Cu B (?) scattered cc.
232-266			slightly more weathered	Moly C
(249-266)	rel. poor core.			Cu B as cc
266-310	poor core cont. but fresher			Moly B Cu C as cc
(296)				<u>first Cp</u>
(310)	and qtz. monz. por			
310-456	hrfs, poor core.			
(310-323)	same		some what bleached	^{moly B} cc Cu D
(456-467)	hrfs		gyp. healed F.	Cu C Moly A-
(323-456)	poor core			cc to 400' 'set all cp.
(411)				Cu D Moly A little cc
(446)				

700

700

31 (vert)

Berg Aug/66

ASB WB

Foot. Desc.

VIF

ALT

Min'a

0-26. NC.

26-36 diorite boulder(?)

36-50 weathered breccia

50-521 ^{Breccia} Fragments mostly 1" to 1 cm. Includes por., & almost hrf's, vein mat., etc. Mostly subangular with slightly rounded corners. No V. buffy feldspars 2% disseminated py throughout. no F. calcite & gypsum

(67) 142

some fragments entirely filled F. angular

(130) 143 - note large por. frag.

(240) 3" fragment with 1" vein of Qtz. py & moly.

lightly olive to buffy off-white, colour.

(200-230)

greenish-clay alteration

(230-235) gangy core = fault

(388-417) large por. frag. one frag. 2' in dia.

(397) 144 - contact of breccia & 2' fragment.

(419) 4" frag.

417-521 back to normal size many fragments are preferentially pyritized as compared with matrix

(52) end of hole.