

896521

105

J. A

1973

# HIGHLAND VALLEY DRILL LOG SHEET

1972 Samples 861, 1117, 1598 Hole V72-58 Date Aug 73  
 all Guichon 0/B 783 Est 1612 sunny / cloudy / cold  
 Property J.A. became v. nice W. J. McMillan later  
 F-P → 1450, VP-P → E074 B.C. Dept. of Mines and Petroleum Resources

Box Footage	Grade	Qtz. Veins	Pyr.	Cpy. V. Bn.	Feldspar Alteration			Feld. Fresh	Mafic	M <sub>in</sub> Fr	Qtz. Ser. Zones	MoS <sub>2</sub>	Rock Type	Comments
					pink	gm	wh							
783 - 803	lg-	10	✓	NO ✓ BN	-	-	1p	l	fr	0.7	-	-	Gu	Brush or true bn?
4 840 858	lg-	20	-	NO BN	-	-	"	"	"	0.8	-	✓	Gu	standard → Brush, oc. cas. xenos
7 893-910	lg-	20	-	✓	cream to green 1-2l		1p 2l	"	fr chl	0.8	-	✓	Gu	standard loc Brush
10 946-963	lg-		-	✓	pale pink or pink → green 2p dark green 2l-3		2l	-	fr chl		20	-	Gu	

1 Shatter zone a gangue 801-803, 829-830, # 850 (937)  
 Qtz-cpy-py vein 30°, Qtz-cpy fr 70°, chl-ep fr pink halo 40°, local stockwork-style fr zones are cpy-rich fr 1" apart bright pink zeolitic altn along fr @ 0-10°

2, 3 Toss up between Gu + Pom in 2, in 3 chatoyant zones come in altn wh (1p) fresh (l) 810, 835 CR

- From a few ft away it all looks like Guichon

4 Qtz-cpy-MoS<sub>2</sub> vein (rich) 35°, bi-cpy fr 15°, chl-cpy fr 40°  
 Xenoliths semi-digested calcite veins 25° chl-bi-cpy fr 25°

5 altn wh (1p) fresh (l) cream (1-2l) ep-Qtz fr 20°

# CR to Gu 875 vlg

6 zeolite 10 → 30° similar to 5 but one bn-chl fr 35°

7 chl-cpy fr 15, 70° bi-chl-cpy fr 10°, 30°  
 zeolite 10°, bn-cpy-chl fr 15° Qtz-cpy-bn fr 30°  
 loc. cpy, bn in mafic

8 Qtz<sup>ep</sup> MoS<sub>2</sub> veins 35°; overall like 7

9 like 8 but no Pom seen (987-990) wh

10 Gouge + rubble 953-7 (slips at 35°), 966, 971-80 (60 altn), CR  
 Qtz-ser-cpy 15°, bn-cpy-chl fr 20°, chl-cpy 35° fr

11 chl-MoS<sub>2</sub>-cpy fr 0° altn like 10

12 Bxt'd, reheated Qtz-och hem veins 990-993; ep-Qtz-ser zones altn sim to 10

1M-572-3322

# HIGHLAND VALLEY DRILL LOG SHEET

Hole V72-58

Date Aug 28, 1973

Property J.A.

W. J. McMillan

B.C. Dept. of Mines and Petroleum Resources

Box Footage	Grade	Oz. Veins	Pyr.	Cpy. V. Bn.	Feldspar Alteration			Feld. Fresh	M <sub>a</sub> Fc	M <sub>n</sub> Fr	Oz. Ser. Zones	MoS <sub>2</sub>	Rock Type	Comments
					pink	grn	wh							
13 998-1014	vlg	7	-	✓	-	-	1-2 P	-	chl fr	0.5	ep 7	✓	Gu	rel. fq.
16 1046-1065	lg	5	-	No cpy	-	-	1p	✓	fr chl	0.3	20	✓	Gu	" " f/n low x to core
19 1097-1114	vlg on lg	20	-	No cpy	-	-	" "	" "	" "	1.5	-	✓	Gu	Bornish var
22 1152-1169	lg	5	-	«	-	-	" "	" "	" "	0.7	-	✓	Gu	fq → Bornish

13 ep-gtz - MoS<sub>2</sub> zone 45° w. sericitic halo - och. hem on fr in them  
 chl fr 35°, gtz - cpy - MoS<sub>2</sub> w ep fungus 45°

Rubbly 1005, 1027, 1030-1033, 1062-1064

14 Bn > gtz - bn - chl fr ± cpy 40°, MoS<sub>2</sub> fr 35°  
 slip faces 0-30° avg 15 slickenside → "horiz. movement"

15 cpy ≤ Bn altn drops off to wh (1p) fresh (p) ie 80° to core axis  
 almost Bornish Gu 1045 CR

16 gtz - MoS<sub>2</sub> veins 45, 80°; chl - bn - cpy fr 45°  
 chl - bn fr 35°, 15, 45°; ser - gtz - bn - ep? zone  
 assoc w gtz - calcite - och hem vein near shatter zone

17, B like 16

19 gtz - bn vein 40° chl slip face 10° slickensides on chl 60°  
 chl - bn - cpy fr 15°; gtz - ep vein 35° has cream altn halo in which mafic chl; gtz - ep - MoS<sub>2</sub> - bn vein 40°

20 like 19 but one ep - ser - gtz zone

21 gtz - ep - bn w pink halos - mafic in halos → ser, chl fq Guichon - similar to Bornish but lacks larger mafic blocks  
 altn like 19

22 chl - bn - cpy fr 40° gtz - bn - ep vein 50°  
 gtz - bn - cpy - MoS<sub>2</sub> to "vein 45°  
 gtz - Ks Bar peg stumped (3/8") @ 35°

23 similar to 22 but one

24 1190-1200 pink altn (1-2p) - ep-gtz zones w ser. halos / hke 22 abkr

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Box Footage	Grade	Qtz. Veins	Pyr.	Cpy. V. Bn.	Feldspar Alteration			Feld. Fresh	Mg. Fr.	Mn. Fr.	Qtz.-Ser. Zones	MoS <sub>2</sub>	Rock Type	Comments
					pink	gn	wh							
25 1210 - 1225	lg	10	-	<	2 1/3 box	-	1 2/3 box	l	fr chl	0.5	-	✓	Gu	Bmish fg
28 1262 -1279	vlq	7	-	?	cream 1-2 2	-	1-2 p	l	fr chl	7.0 5.	10	✓	Gu	"
31 1313 1370	vlq	10	-	No cpy	pink 2p to 1320	of 1320	1p 1320	l	fr chl	1.0	-	✓	Gu	Bmish var
34 1366 -1383	vlq		-	<	pink 2 (1/3 box)	wh 1-2 (1/3 box)		vl	"	2.0	-	-	Gu	" chatoid often ~ 1375 → 1385 then Bmish

zeolite 35, 50° Boxes 25, 26

25 MoS<sub>2</sub>-bn-chl fr 50°, chl-qtz-bn cpy fr 35°  
chl-ep fr 20°, qtz-bn vein 15° ) qtz-ep-MoS<sub>2</sub> vein 50°  
26 like 25  
1235 CR

27 actn wh(1-2p) pink(1-2l), mndgn like 25, 26, lg -  
Rubby 1256, 1260, 1265, 1299-1300

zeolite veins in 29+30

28 qtz-ep-MoS<sub>2</sub> w ep-qtz halo 10°  
qtz-ep w ser-ep-qtz halo 45° ) ep. fairly abundant

29 zeolite-rich zone 1288-1295 --- rubby-looking zone  
pink actn (2p) wh(1-2l) vlq

30 similar to 29 --- vlq --- pink actn sl. stronger

31 chl fr 10°, bn-chl fr 15° 1328CR  
zeolite 25°, qtz, some MoS<sub>2</sub> 40°, chl-ep-bn fr 35°

32 wh. actn (1-2p) pink(2l) to 1345 then pink(2l) --- vlq. zeolite

33 pink(2p) --- zeolite ...  
Rubby 1361, 1362-1365, 1392, 1407-1411

34 ep-qtz zone 45°, ep-chl slip faces 10→25° slickensides 60°  
some zeolite bn-cpy-chl 40° fr, chl-ser-bn 35° wh 1-2 → 1390

1M-572-3322 then pink or green (2-3) to end of box and on ward to 1412  
35 after 1412 wh(1-2p) pink(2l) some zeolite (low #)

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B.C. Dept. of Mines and Petroleum Resources

Box Footage	Grade	Qtz. Veins	Pyr.	Cpy. V. Bn.	Feldspar Alteration			Feld. Fresh	Mg	Min Fr	Qtz-Ser. Zones	MoS <sub>2</sub>	Rock Type	Comments
					pink	gm	wh							
37 1417-1435	vlg → lg	7	-	<	1-2 l	-	1p	2	fr chl	2	-	✓	Gu	brnish var
40 1472-1489	vlg	20	-	no cpy	2l	-	1l	2	fr chl ep	1	-	-	Gu	fg var.
43 1526-1543	vlg	20	-	≈	-	-	1p	2	fr chl	1	-	-	"	"
45 1578-1595	vlg	7	-	<	2l	-	1l	2	fr chl ep	? 1	-	-	Gu	somewhat variable
46 1595-1612	E O H													

37 Bn - cpy fr 10-25°, qtz - cpy vein 25°, qtz - chl - bn fr vuggy qtz - ahydrite? - bn - cpy vein 35° 1432 vein 35° (orange) <sup>carbonate?</sup> <sup>MoS<sub>2</sub></sup>

qtz - ep - bn vein 10°

38 almost fresh brnish Gu... vlg 1450, C.R.

39 zeolite (low) fr; elsewhere wh (1p) fr faces stained pink

40 zeolite... low & , ep - qtz vein 20°, chl - bn fr 80° w. pink halo 35°

Rubbly 1488-9, 1560, 1561-2, 1571 → 1584

41 pink zeol. stain on low & fr faces, overall wh (1p) fresh (2)

42 C.R. Guichon 1495 CR vlg foln 35° to core

43 chl - bn - cpy fr 50°, qtz - cpy - bn - chl fr 45° w. zeolite fr w. accom. pink pink halos altn 0°, 70°

44 qtz - ep veins 35°; altn like 43;

45 alt <sup>pink (1-2p)</sup> some zeolite veins + fr ep. fairly abund. mafic → chl, ep zeolite veins qtz - bn - cpy vein 35°

Rock strongly epidotized to 1586 then altn mild

46 chl - ep ± bn fr 25°, chl - bn - sa fr 35°, chl - bi fr 15° vlg

# HIGHLAND VALLEY DRILL LOG SHEET

Hole V72-61  
 01B 865 EOH 1562

Date Aug 27/73  
 4:30 PM Cloudy,  
 Cold wind

Property J.A.

W. J. McMillan

Grade P-880 P → 61090 VP-F

B.C. Dept. of Mines and Petroleum Resources

Box Footage	Grade	Qtz. Veins	Pyr.	Cpy. V. Bn.	Feldspar Alteration			Feld. Fresh	M. f.c.	Min. Fr	Qtz.-Ser. Zones	MoS <sub>2</sub>	Rock Type	Comments
					pink	grn	wh							
1 865-883	lg	7	-	✓	-	-	1-2 P	✓	fr	0.8	-	✓	Gu	fairly standard type
4 921-939	lg	10	-	✓	2l	-	1/2 P	✓	fr chl	1.0	-	-	Gu	
7 975-993	lgt	10	-	✓	salmon 2-3 (half)	-	1 (half)	✓	fr chl	1.0	-	-	Gu	Bm overtones

1-3 zeolite veins + fr. 0°, 35°  
 1 chl-bn fr 15°, gts-cpy; cpy-chl fr 25° 876CR  
 Bonanza gtz-cpy-MoS<sub>2</sub> 40°, 15°; gtz w cpy at edges 30°  
 2 similar alter; lg  
 3 Min fr 0.5; lgt; alter sim to 1 but (local pink (2) cpy > BN 918 CK  
 4 gts-ep-cpy fr 25° in pink alter zone cpy fr 40°  
 chl-ep cpy 30° fr; gtz-chl-cpy fr 50°, gtz-cpy-bn 934 mineral fr. bn-chl-ser vein 30° fr 35°  
 5 zeolite veins; half pink (2-3) half white (1-2) loc pink is salmon-tinted Kspar? or zeolitic alter?  
 same bonanza gtz-cpy ≥ bn veins lg 954 973 alter min/zn  
 6 similar to 5 Rubby 962-4  
 7 gts-cpy-bn vein 20° cut by cpy fr (50°)  
 cpy fr 20°, cpy = bn fr 20°, gtz-cpy vein w pink halo (40°)  
 control on pink alter zones seems to be fr. - but more than one fr set operated simultaneously.  
 zeolite 30°, 45° massive cpy, some gtz vein 35°  
 8 1/2 pink alter to 1007 then pink (l2) wh (1-2p)  
 9 cpy ≥ BN ---- Bonish Gu End of Box 9 = 1030

# HIGHLAND VALLEY DRILL LOG SHEET

Hole V72-61

Date Aug 28/73

Property J. A.

Cloudy, sunny periods  
dawn cold wind  
again  
W. J. McMillan  
B.C. Dept. of Mines and Petroleum Resources

Box Footage	Grade	Oz. Veins	Pyr.	Cpy. V. Bn.	Feldspar Alteration			Feld. Fresh	M <sup>a</sup> Fe	Min Fr	Oz.-Ser. Zones	MoS <sub>2</sub>	Rock Type	Comments
					pink	grn	wh							
10 1030 - 1048	lg	10	-	✓	1-2 2	-	1p	✓ fr chl		1.0	-	-	Gu	Bmish → standard to 1044 then chat.
13 1085 - 1105	lg	5	-	✓	2 2	-	"	"	"	0.7	-	✓	Gu	almost chat. to 1112 then Gu (Standard)

10 B1-cpy fr 50°; pink alter around qtz-ep veins at 50°  
chl-cpy-bn fr 35°, qtz A cpy 35° vein, qtz-ep-cpy-bn  
qtz+carb intergrown 5 bubbles in del. HCl but  
not vigorously

Gu → chatoid Gu xtn sudden but no suggestion of  
intrusive relationship. 1032 CR - what  
is vein?

11 like 10 but all chatoid Guichon  
19? 1066 CR

12 qtz-cpy-bn - some MoS<sub>2</sub> 35° vein w. pink halo 1/8" ~~thick~~  
lg. Bonanza-style

13 altn like 10, chatoid Guichon qtz veins 5' apart

13 xtn fr chatoid Gu to Gu accomplished by finer grained  
nephic coming in --- xtn zone 1-2" wide ±bn

qtz-cpy-MoS<sub>2</sub> 30° fr; chl-cpy-MoS<sub>2</sub> fr 20°; chl-ep-cpy-bn  
" - ep-cpy veins 40° w. cream alter halos fr 40°, 30°  
Bonanza qtz-cpy-MoS<sub>2</sub> 30, 45° w. pink alter halos  
ep-bn-cpy fr w. pink + epidotized alter halo 35°

Pebbly zones 1088 (slip faces 35°, striae = dip slip movement)

14 zeolite veins 25° 1105-7 = slip faces 20°, striae 60° to axis  
1122 1126-7

altn intensity up slightly  
Mixed stand. + chat. Gu qtz-bn-MoS<sub>2</sub>-chl  
(pink halo'd) veins 25°

1M-572-3322

15 altn wh (1l), fresh (l) grn (1-2l), pink (2l)  
pink zone has massive ep-qtz zones w ep-qtz-sch halos; perv. after 1133

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Box Footage	Grade	Qtz. Veins	Pyr.	Cpy. V. Bn.	Feldspar Alteration			Feld. Fresh	M <sub>o</sub> fic	Min Fr	Qtz. Ser. Zones	MoS <sub>2</sub>	Rock Type	Comments
					pink	grn	wh							
16 1139 1155	vlg	4	-	?	2p	-	1-2 l	-	fr chl	1.5	-	-	Bn	Panish Gu?
19 1192- 1209	vlg	-	-	✓	2p	2l	1l	l	fr chl	-	-	-	Bn	data refers to chl.

ochreous hem. on fr; qtz-moss w. ep fuzje 40°  
 measure ep-qtz zones <sup>30, 45</sup> ep-qtz veins + fr ≈ 6" apart  
 qtz-och hem veins / cut by younger qtz veins 60°  
 seriate holes on some

Probably 1146, 1185-1188

17 like 16 to 1158 then altn wh (1-2p) pink (2l)  
 back to chl-cpy ± bn fr milzn cpy > bn; vlg  
 Rock seems to be Bethlehem proper now 1160 CR

18 zeolite w. assoc pink altn; pink altn 2p overall;  
 D1 dyke (phenos alt. pink) 1183-1188 grdmass gray-grn (fresh)  
 chl margin 35° to core, 1" wide to pink; phenos bi(chl) qtz plag  
 CR - Bethlehem grd

19 lots of zeolite in 19, some in 21 - veins 30-45°  
 chilled margin 1" wide @ low & to core - D1 - gray-grn grd-  
 brown grdmass; Dyke 1206' → 1285

20 c R ep, chl-ep fr 10 → 30°; chl-cpy fr 40°, chl-bn fr 15°  
 Dyke qtz-ep-bn fr; ep-cpy - MoS<sub>2</sub> fr 35°  
 19 altn wh (1p) (2l) fresh (l) filled w. qtz-ep-moss  
 qtz-cpy veins w. vugs partly

CPY AND SOME MoS<sub>2</sub> DISSEM. THRU THE DYKE  
 By roughly 1220 the matrix is holoxline albeit very fine

21 altn wh (1-2p) pink (2l) tempted to call rock 6p here.



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W. J. McMillan

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Box Footage	Grade	Qtz. Veins	Pyr.	Cpy. $\sqrt{}$ Bn.	Feldspar Alteration			Feld. Fresh	Mg ftc	Min Fr	Qtz-Ser. Zones	MoS <sub>2</sub>	Rock Type	Comments
					pink	grn	wh							
22 1247 1263	lg-	-	-	NO $\sqrt{}$ Bn	2l	-	lp	$\checkmark$	fr chl	5	-	-	6p	vfg metrix 30%
25 1301- 1317	lg-	4	-	$\geq$	2l	-	1-2 l	-	"	1	-	$\checkmark$	Gu	Bush fctn 35°
28 1355- 1371	lg-	10	-	<	1-2 vl	-	1-2 p	l	"	1	-	$\checkmark$	Gu	"

22 Dissem. cpy chl fr 40°, epidote-qtz fr 10°  
zeolite 25° w. assoc pink altn 1250 dissem. cpy  
40°

23 ep-qtz - MoS<sub>2</sub> zones; zeolite; qtz - cpy - MoS<sub>2</sub> veins 35°,  
ep-qtz - bn - cpy fr 45°, all veins etc. near end  
of box - dyke ending soon?  
± Bn

24 1285 chilled against C.R.; contact 25°  
CR altn pink(2) to 1297 then pink (1-2) grn (1-2) wh (1-2) all local  
CR is Bush Guichon.  
1300 CR

25 chl-ep fr 50° ep-qtz zones 45° ep-qtz - MoS<sub>2</sub> veins 45°  
qtz - ep - bn veins 10° — fairly abundant ep. - zeolite  
18-35°

26,27 like 25 28-30 some zeolite veins - low  $\rightarrow$  30°

28 qtz-ep-bn - MoS<sub>2</sub> w. epidotized halo 40°, qtz-chl-bn fr 35°  
chl-ep fr 35°, qtz- cpy - bn vein w chl. coating  
borders 35°, chl-bn fr 35°, 1385 CR

29 Sim to 28 but vlg I think

30 " " " to 1395 then green or pink altn (2-3p) wh (1-2 l)  
qtz - bn - ser fr 40, 50° w/ pink & grn alt. zone  
Pink  $\rightarrow$  bright salmon pink altn.

Rubbly 1402,  
1405

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Hole V72-61

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Box Footage	Grade	Qtz. Veins	Pyr.	Cpy. V. Bn.	Feldspar Alteration			Feld. Fresh	M. Fr.	Mn. Fr.	Qtz.-Ser. Zones	MoS <sub>2</sub>	Rock Type	Comments
					pink	grn	wh							
31 1406 -1424	vlg	-	-	no < cpy	2p to 1415	l2 off	l-2 P 1415	-	fr chl	1	-	-	Gu	Bornish
34 1460 -1477	lg-	5	-	no < cpy	see below			-	"	1	-	✓	Gu	Bornish
37 1511- 1527	vlg	5	-	≤	2l	-	l-2 P	l	"	1	-	✓	Gu	" foln 350
39 E04 1562	lg	5	-	<	2p	-	l-2 l	-	"	1	ep 20	-	Gu	" 1555 CR
-E04-	mineralization in							39	like that in			37		

31-33 some zeol. veins 30, 45, 50° chl-ep fr 35° with  
 31 chl-bn fr 35, 40° epidotized halo  
 32 qtz-ep-MoS<sub>2</sub> vein 40°, altn wh l-2p, vlg  
 33 ep-gtz zones w. ser-gtz halos 50°,  
 chl-gtz-cpy fr 35°, ep. fairly common, BN > cpy  
 altn wh (-2p) pink (2l)  
 34 MoS<sub>2</sub>-bn fr w. pink halo 40°, qtz-ep-bn fr 35°, 45°  
 qtz-MoS<sub>2</sub>-bn vein w. pink halo 25°  
 ep-gtz-MoS<sub>2</sub> fr 50° cuts + offsets qtz-chl-MoS<sub>2</sub>  
 vein @ 40° - both have pink halos  
 ep-gtz vein 25° w. salmon pink halo  
 altn wh l-2 except near l fr. where it is pink (2-3)  
 35 Rubby 1488, 1506-7 Bornish Gu with chatoed zones (foln 35°  
 qtz-bn-cpy veins, chl-cpy-bn fr BN > to core)  
 altn sim. to 34 but fewer pink zones Grade lg-  
 36 like 35 but cpy >, lg-  
 37 ep-MoS<sub>2</sub> fr 50° w. pink halos; qtz-ep veins 50°, 30°  
 qtz-ep-bn-MoS<sub>2</sub> vein (50°) w. pink or epidotized halo  
 chl-cpy-bn fr 40° ± MoS<sub>2</sub> zeolite fr (low \$)  
 38 ep-gtz-ser zone Rubby 1528-9, 1545  
 altn pink l-2 p; abund. epidote; vlg sulphide rare MoS<sub>2</sub>

# HIGHLAND VALLEY DRILL LOG SHEET

Samples 1972

1110, 1290, 1294, 1350

Hole V 72-102

Date Aug 27/73

1395, 1399, 1557

013928 EDH 1551 Sunny, grad. getting cloudier - cool →

Property J. A.

W. J. McMillan damn cold

Grade F-P to 1210 VP-1360, F-P → EDH  
B.C. Dept. of Mines and Petroleum Resources

Box Footage	Grade	Qtz. Veins	Pyr.	Cpy. V. Bn.	Feldspar Alteration			Feld. Fresh	M of Fe	Mm Fr	Qtz. Ser. Zones	MoS <sub>2</sub>	Rock Type	Comments
					pink	grm	wh							
1 946-965	lg-	-	-	✓	-	-	1p	✓	fr chl	0.8	-	-	Gu	
4 999-1017	lg-	<sup>thin</sup> 5	-	≥	-	-	1p	✓	fr	0.5	-	✓	Gu	chatawaoid type
7 1054-1071	lg-	10	-	✓	-	-	1p	✓	fr some chl	0.7	-	✓	Gu	"
10 1107-1123	lg-	10	-	✓	2p	2p	2p	-	chl	0.0	-	✓	Gu	from overtones

First box starts at 946 so where 0/0 qtz came from I don't know

1 chl-bn-cpy fr 30° chl fr 30° chl-cpy fr 35° 950 CR

2 qtz-cpy-MoS<sub>2</sub> vein 35° calcite vein 10-30°

local pink alter in slightly sheared zone overall wh (1-2p)

3 calcite 35° vein w. pink alter halo  
cpy > MoS<sub>2</sub> present; alter like 1

4 qtz-bn-cpy-MoS<sub>2</sub> veins + fr 40°, cpy fr 50°

5 sim. to 4 but loc pink alter zones have 1/4" bonanza-style qtz-cpy-bn-MoS<sub>2</sub> veins @ 40° cpy ≥ bn

6 cpy > bn loc zones have chatawaoid texture, alter like 4

7 chl-cpy fr 30° qtz-cpy <sup>some</sup> -bn-MoS<sub>2</sub> vein 35° 1047 CR  
chl-cpy-MoS<sub>2</sub>-bn fr 35°

8 Like 7 to 1080 then pink alter 2-3 p with calcite veins, 10, 30°  
ep-qtz zones cut by (?) caved by (?) qtz-MoS<sub>2</sub>-ep veins 10°  
relationship unclear, loc. ep seems to cut qtz vein.

9 Gougy 1097-1101  
calcite 0°, qtz-bn-ep <sup>some</sup> -cpy vein 35° in a zone w. fr 1/2" apart + filled by chl-qtz-bn (parallel to vein)  
1M-572-3322 Mn fr 0.3; pink alter 2p

10 Rubbly 1120-1123 qtz-cpy-bn 30°, qtz-cpy-MoS<sub>2</sub> fr 35°

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Hole V 72-102 Date Aug 27/73

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W. J. McMillan

B.C. Dept. of Mines and Petroleum Resources

Box Footage	Grade	Qtz. Veins	Pyr.	Cpy. V. Bn.	Feldspar Alteration			Feld. Fresh	M <sub>g</sub> Fr	Min Fr	Qtz. Ser. Zones	MoS <sub>2</sub>	Rock Type	Comments
					pink	grn	wh							
13 1159- 1175-	vlg	-	-	2	2adj to fr. @ 30°	1-2 P	-	fr old	0.8	-	-	fg Gu	Bmish var.	
16 1211- 1228	vlg-	-	-	?	2l	-	20 3l	-	chl	1.5	-	fg Gu	" " loc. looks like Bm proper	
19 1269 1276	vlg-	-	-	←?	pink 1-2p after 1267	-	1 to 1267	✓		0.7	-	Gu	Bmish var.	

- 11 green altm (1e, 2-3p) a few bonanza gtz cpy = bn  
MoS<sub>2</sub> not seen CR?
- 2 grn altm to 1150 then pink altm assoc w. zeol. veins  
Googy 1144-5 (20-35°)
- 13-15 zeolite veins 1170 CR
- 13 gtz-ep-MoS<sub>2</sub> vein 35° ser-cpy-bn fr 40°  
Rock looks almost like true Bm locally ep-gtz-MoS<sub>2</sub> zones 35°
- 14 gtz-bn-cpy fr 35°, some have black holes  
altm wh(1-2p, 3) pink(?) adj to zeolite veins  
Rubble @ 1200, 1212
- 15 pink altm 2p; Bmish Guichon; cpy >; Min fr 0.7
- 16 ep-gtz veins 10, 50, 25° zeolite 30°  
och hemite in the veins
- 17 altm like 16; lots of ep, the one menzld vein has bn & ep
- 18 altm has ceased to (wh 1-2p) pink (1-2l); Bmish Gu; bi-cpy fr 45°; gtz-ep veins common; vlg 1244 CR
- 19-21 scattered zeol veins 35°, 15°
- 19 ep-gtz veins, zones 45°, chl-ep fr 40°  
gtz-bn fr 40°

# HIGHLAND VALLEY DRILL LOG SHEET

Hole V72-102

Date Aug 27/73

Property J.A.

W. J. McMillan

B.C. Dept. of Mines and Petroleum Resources

Box Footage	Grade	Qtz. Veins	Pyr.	Cpy. Bn.	Feldspar Alteration			Feld. Fresh	M <sub>g</sub> Fe	Min Fr	Qtz-Ser. Zones	MoS <sub>2</sub>	Rock Type	Comments
					pink	grn	wh							
22 1312-1328	vlg	-	-	✓	2 vl		1-2 p	vl	fr chl	0.8	-	-	Gu	brnish var.
25 1365-1382	lg	7	-	✓	-	-	1p	l	fr chl	0.5	-	✓	"	" "
24														

20 altn wh(2) pink(2) green(2) - pink + green in area 1278-1287 which looks rubby.

21 Rock fq still but less fq mafic in matrix now is less brnish in appearance.  
altn wh 1-2 to 1309; pink 2-3 after 1309

22 Massive ep-grt zone 45° have assoc pink altn chl-cpy-br fr 50°; ep-chl-cpy. fr. 30°

23 grt-ep-br-cpy - MoS<sub>2</sub> vein 50° w. narrow pink altn hsto  
altn wh(1-2 p; l 2-3) cpy > br (vlgr → lg)

24 grt vein w cpy pods - 6" of core; cpy pods w. grt blebs  
(lg) @ 70° to core  
grt-cpy - MoS<sub>2</sub> veins @ 50°; altn like 23 but sl. milder

25 grt-cpy - MoS<sub>2</sub> (1/4" Bonanza-type) 50°; 1380 CR  
cpy-MoS<sub>2</sub> fr 50° grt-cpy vein (to") 35° cpy-chl fr 50°

26 Gu → 1389 then DI ~~is~~ by 1394 the DI has become crowded appy & could be called ppytic Boda - has cpy on fr + dissem. cpy pods; Ppy fresh

27 Hl-br-cpy fr 60°; altn picks up to wh 2p; ser-grt zones assoc w. some ep-grt veins  
1M-572-3322 Rock is either bp or Qbn - very well mixed lac. cpy > ep on fr + dissem; Mafic distn bimodal, grt-epzo prominent

# HIGHLAND VALLEY DRILL LOG SHEET

Hole V72-102

Date Aug 27/73

*Bloody cold wind!*

Property J. A.

W. J. McMillan

B.C. Dept. of Mines and Petroleum Resources

Box Footage	Grade	Qtz. Veins	Pyr.	Cpy. V. Bn.	Feldspar Alteration			Feld. Fresh	M <sub>g</sub> Fr	M <sub>in</sub> Fr	Qtz.-Ser. Zones	MoS <sub>2</sub>	Rock Type	Comments
					pink	grn	wh							
28 1419-1438	lg	10	-	✓	-	-	1-2 P	l	chl ser	1.5	-	✓	gp	Bl qtz plag phenos 65% vfg matrix
34 1475-1495	lg	10	-	✓	-	-	1p	✓	fr	0.5	-	✓	Gu	Bm + Chat. overtones
34 1531-35 1556	vlg	-	-	?	2l	-	1-2 P	-	fr chl	?	-	✓	Gu	Bonish
- EOH -														

28 ep-bn fr 40° MoS<sub>2</sub>-ep 35° fr  
 pink altn + zeol. on low & fr. faces  
 dissemin cpy pods + short-length fr w. cpy  
 gtz-eps veins 30°  
 1443

29 1443 onward the ppy has cl. green aph. grdmass  
 chilled contact w. guichon (Bonish variety) at 1448  
 grdmass dk gray (uneven contact ~ 40°)  
 CR has bonanza gtz-epy veins 35°

30 epy fr 40°, gtz-epy veins 30°, altn wh (1-2p)  
 (5' apart)

31 epy fr 60°, zeolite veins 30°, 2" vuggy gtz-kspen-epy  
 chl-epy fr 25°, chl-bn & cpy fr 45° MoS<sub>2</sub> vein 35°

32 General wh altn (1-2); local zones epidotized (up to 6" wide)  
 gtz-bn-epy veins 60°; Bonish-Gu

33 altn half wh (1-2) half pink (2)

34, 35 Rather Rubbly  
 och hem on fr; epidote  
 calcite veins  
 - EOH -