EQUITY

DRILL LOG

Project: Haldane	**Collar Elevation (m):** 1237.0
Hole HLD10-1B	**Azimuth (º):** 90.0
Location: 7082492 m North, 456864 m East	**Dip (º):** -55.0
Logged by: T. Branson	**Length (m):** 258.00
Drilled by: Dorado Drilling	**Horizontal Projection:**
Assayed by: ALS Chemex	**Vertical Projection:**
Core Size: NQ	**Objective** To drill through steep dipping veins and structures of the Johnson Zone to better understand stratigraphy and structure.
Date Started: 2010/06/09 **Date Completed:** 2010/06/13	
Dip Tests By: Reflex tool	

Summary Log:

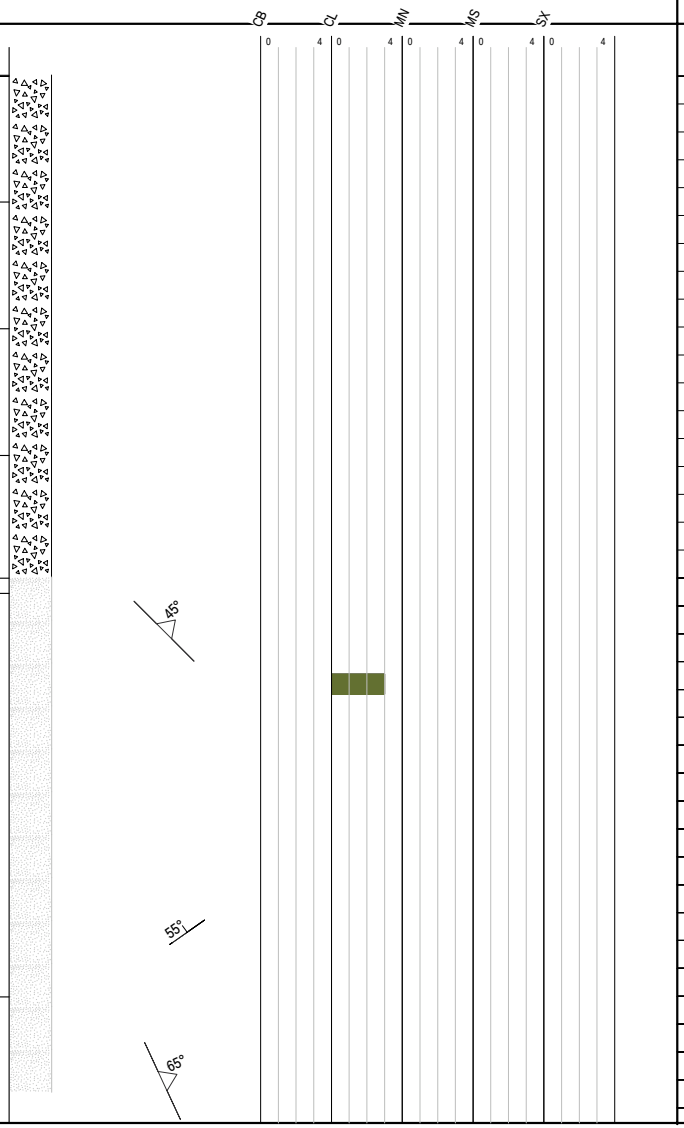
0 - 19.8 m Overburden
19.8 - 53.30 m Grey quartzite commonly hosting phyllitic zones
  42.00 - 50.87 m Vein fault structural zone with strongly weathered, oxidized and bleached quartzite
53.30 - 113.00 m Quartzite and phyllite interbedded units
  104.35 - 108.00 m Broken and faulted ground interpreted as the Johnson Zone Vein system
113.00 - 136.97 m Quartzite with minor phyllite zones
136.97 - 177.85 m Quartzite and phyllite interbedded units
177.85 - 215.80 m Quartzite with minor phyllite zones
215.80 - 232.35 m Quartzite and phyllite interbedded units
232.35 - 234.20 m Clay-altered felsic dyke
234.20 - 258.00 m Quartzite with minor phyllite zones
258.00 m - End of Hole

Downhole surveys:

Depth	Dip	Azimuth
25.00	56.20	90.05
75.00	57.40	91.05
116.00	59.40	91.05
176.00	60.50	93.05
258.00	61.20	96.75

Project: HALDANE **Hole Number:** HLD10-1B

From	To	Rocktype	& Description
0.00	19.80	OVBN	HQ Core Mainly composed of unoxidized to oxidized quartzite rubble, and clay seams.
19.80	53.30	QRZT	Quartzite Grey, fine grained, generally dirty texture due to micas and possibly PY. Commonly hosts phyllitic interbeds of schistose character. Further down section grades into and out of phyllitic beds. Minor alteration (CL, LI) zones present. Weakly schistose along bedding plane, visible where fractures cut across bedding. Moderately to strongly fractured with LI, MN coatings or QZ fracture-fill. Generally erratic orientation. When not completely weathered, fractures are commonly filled with silvery to purplish-blue metallic mineral with metallic lustre, and light brown streak (MN oxides or galena?). A dull silvery dendritic textured metallic mineral rarely coats these fractures. Veining is common with two prominent, commonly perpendicular orientations: parallel to bedding plane (55-75 deg) and, cross-cutting bedding (25-40 deg). Veins are primarily quartz and host metallic mineralization, though commonly weathered out. Mineralization primarily hosted in veins cross-cuttting bedding



From	To	Width	Sample	Ag ppm	Pb ppm	Zn ppm
20.00	21.60	1.60	475075	2.4	213	490
21.60	23.00	1.40	475051	2.1	161	471
23.00	24.50	1.50	475052	0.5	20	205
24.50	27.50	3.00	475053	2.2	86	233
27.50	29.45	1.95	475054	4.7	386	257
29.45	32.10	2.65	475055	2.1	144	76
32.10	32.85	0.75	475056	1.3	129	175
32.85	33.35	0.50	475057	2.5	147	461
33.35	34.15	0.80	475058	7.1	780	680
34.15	36.00	1.85	475059	4.1	447	464
36.00	37.55	1.55	475060	1.8	180	245
37.55	38.30	0.75	475061	1.2	99	69
38.30	39.35	1.05	475062	1.6	138	218
39.35	41.70	2.35	475063	2.1	165	129
41.70	42.00	0.30	475064	0.7	11	1605
42.00	42.20	0.20	475065	2.8	324	2430
42.20	43.35	1.15	475066	8.7	1455	3190
43.35	45.43	2.08	475067	2.5	216	915
45.43	46.10	0.67	475068	2.4	46	839
46.10	46.70	0.60	475069	1.9	291	555

Project: HALDANE **Hole Number:** HLD10-1B

From	To	Rocktype & Description

at 30 deg and typically 1-5mm wide. Small (<1mm) PY xtals rarely visible in veins and commonly associated with strong weathering. Veins range from 1mm to 4cm in true thickness.

Mineralization is mainly a metallic mineral (galena?) with a hardness of 2-3, mainly found within veins and fractures with varying amounts of quartz, strong limonitic weathering, PY and MN. Difficult to identify mineral because of lack of xtal forms due to strong weathering generally associated with these veins. PY is commonly disseminated within QRTZ and along fractures and veins.

Brecciated quartzite between 38.30 and 38.55m. Fine to coarse angular fragments in a quartz matrix with moderate limonitic staining.

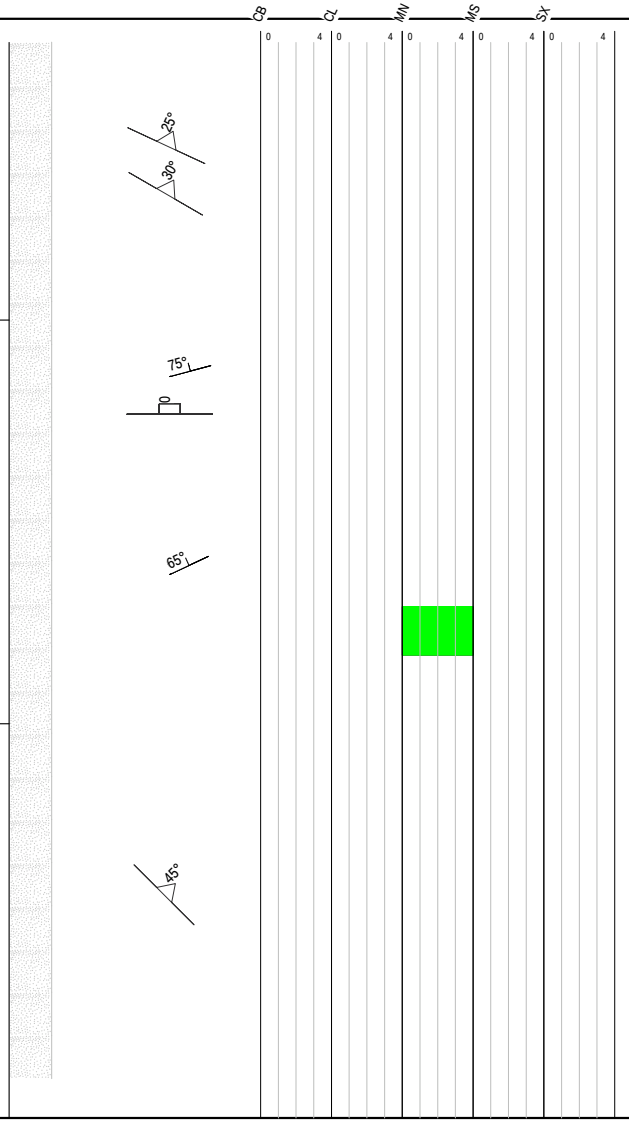
@ 41.70 -42.00 m Strong pervasive CL alteration followed by highly fractured QRTZ mineralized fracture-fill for 10cm.

@ 42.10 m, 4 cm mineralized vein with strong LI weathering marks a 10cm section of strong LI and mineralized gouge. Bottom contact at 45 deg tca with phyllitic zone that grades into a dirty light brown QRTZ hosting abundant pyritic selvages and is softer than the typical grey unaltered QRTZ. Fracture-coating is a mix of MN and a light pinkish-beige mineral and silvery metallic mineral. This zone hosts sulphidic veins at 42.60, 42. 65, and 42.70, 43.00 and 43. 10 ranging from 4-8mm and oriented 40-45 deg.

@ 43.15 m Minor phyllitic zone interbedded with fluid altered mineralized dirty QRTZ for 40 cm at 60 deg. Brown to dark grey fluid alteration envelopes fractures in zones of lighter, bleached and is also commonly hosted along bedding as blotches. Alteration appears as a bluish silvery metallic mineral with brown streak (MN or a Pb bearing mineral?) when viewed on fracture surfaces. Sulphidic veins at 43.40 m, 43.60 m, 43 65 m, 43.85 m, and 45.00 m at 35 deg and 2-8 mm in width.

@ 45.43 m Clay zone for 12 cm grades into phyllitic beds with weak LI weathering gradually grading back into QRTZ at 46.00 m. Zone hosts two short (1 cm and 1.5 cm) dirty porous soft beds similar to dirty QRTZ above.

46.10 - 46.60 m Grey quartzite with common alteration enveloping fractures. Zone hosts a series of 5 mm moderately weathered veins along bedding with minor sulphide mineralization at 60 deg. These are cross-cut perdendicularly by



From	To	Width	Sample	Ag ppm	Pb ppm	Zn ppm
46.70	47.07	0.37	475070	2.5	361	531
47.07	48.95	1.88	475071	1.8	221	621
48.95	50.87	1.92	475072	1.4	143	566
50.87	51.95	1.08	475073	2.8	228	2510

Project: HALDANE **Hole Number:** HLD10-1B

From	To	Rocktype & Description

sulphidic veins with minimal weathering at 30 deg tca.

46.60 - 47.07 Quartz vein with 2% mineralization predominately along fractures and less commonly as blotches. Mineralization is mostly grey-silver mineral with less common weathered brown/orange zones of LI and possibly siderite? Lower contact is along bedding of QRTZ below at 60 deg.

47.07 - 48.95 m Same as QRTZ above QV with sulphidic veins at 47.25 m, 47.31 m and 48.00 m.

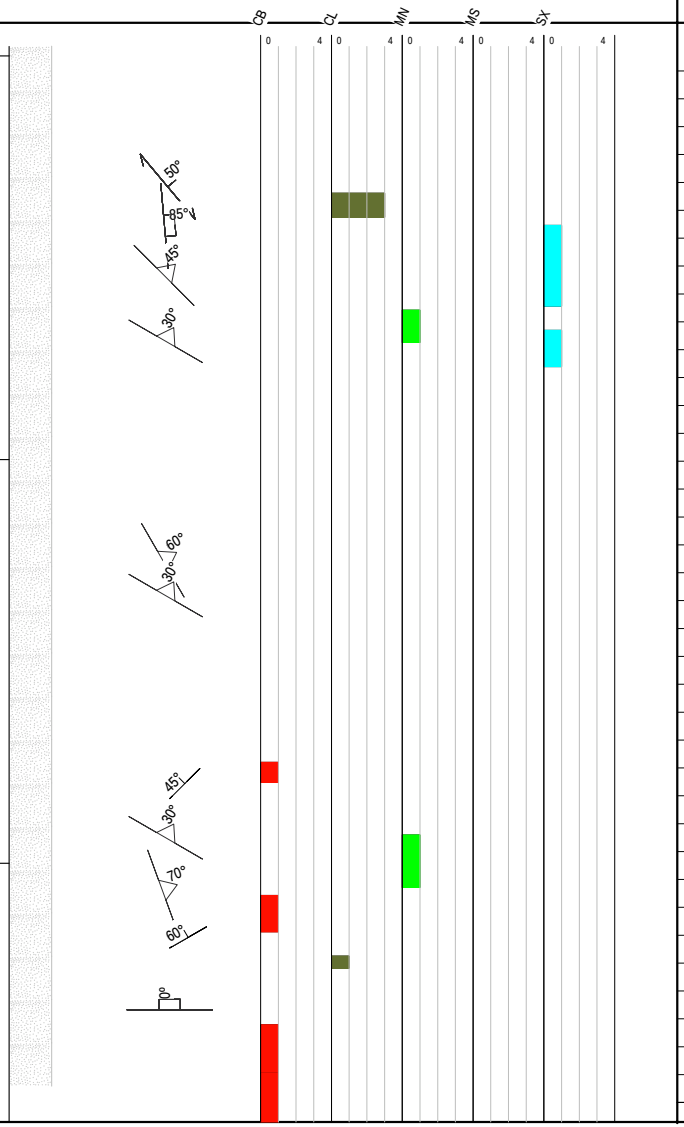
@ 49.00 three QV with moderate LI weathering and moderate EP alteration at 55 deg, parallel to bedding. 0.5 m and 1.6 cm in width.

@ 49.60 QV with weak CL and 1% metallic mineral. QRTZ bleached from 49.65 to 50.30m with varying degrees of brown fluid alteration envelopes on fractures and bedding. 6 cm QV with trace sulphide mineralization at 50.30.

@ 50.87 m QRTZ is strongly altered with LI weathering and a blackish weathering product with overall color a dirty brown. Bedding still visible. Softer than typical QRTZ. Grades into phyllitic beds with a wCL QV cutting through near parallel to bedding at 45 deg tca at 51.15 m before grading back into typical QRTZ.

@ 51.35 - 51.75 m is a series of eight regularly spaced, cross cutting, sulphidic veins 1-2 mm wide at 50 deg tca hosted in weakly bleached QRTZ with abundant alteration envelopes. Zone ends with < @ 51.75 fault gouge flt 5.00cm >.

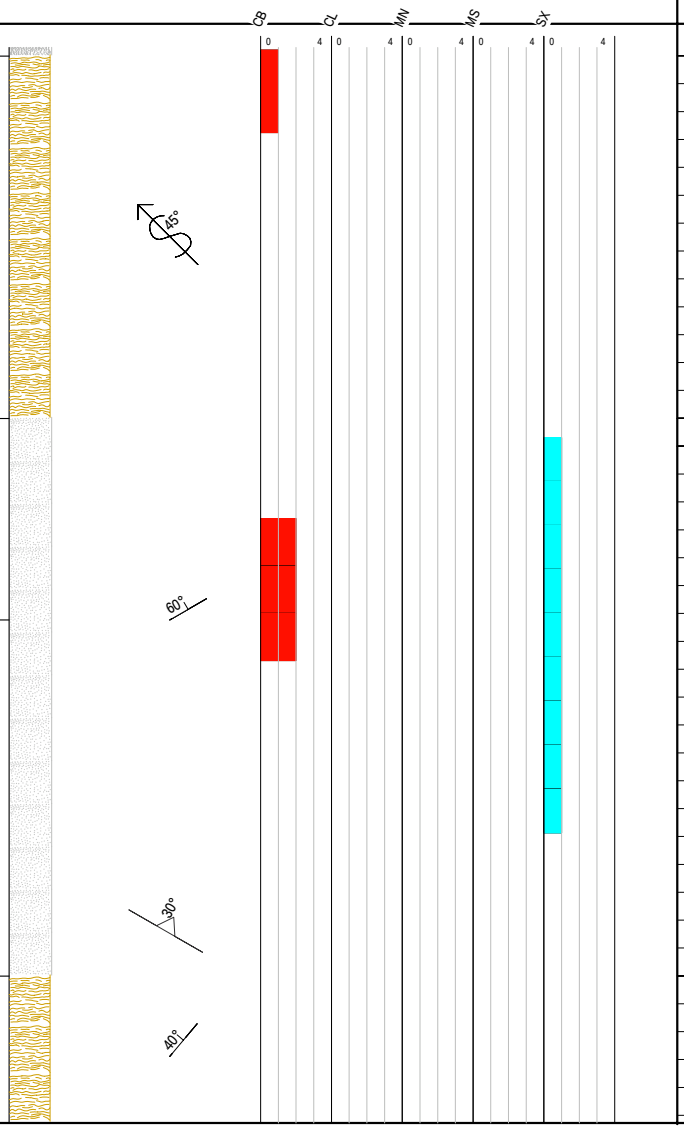
QV parallel to bedding at lower contact of fault. To lower contact at 53.30, QRTZ is fairly consisted with minor zones of alteration around fractures and only minor veins <1 mm cross-cutting bedding. Lower contact is marked by a 1 cm QV parallel to bedding at 50 deg tca.



From	To	Width	Sample	Ag ppm	Pb ppm	Zn ppm
51.95	54.00	2.05	475074	0.4	14	275

Project: HALDANE **Hole Number:** HLD10-1B

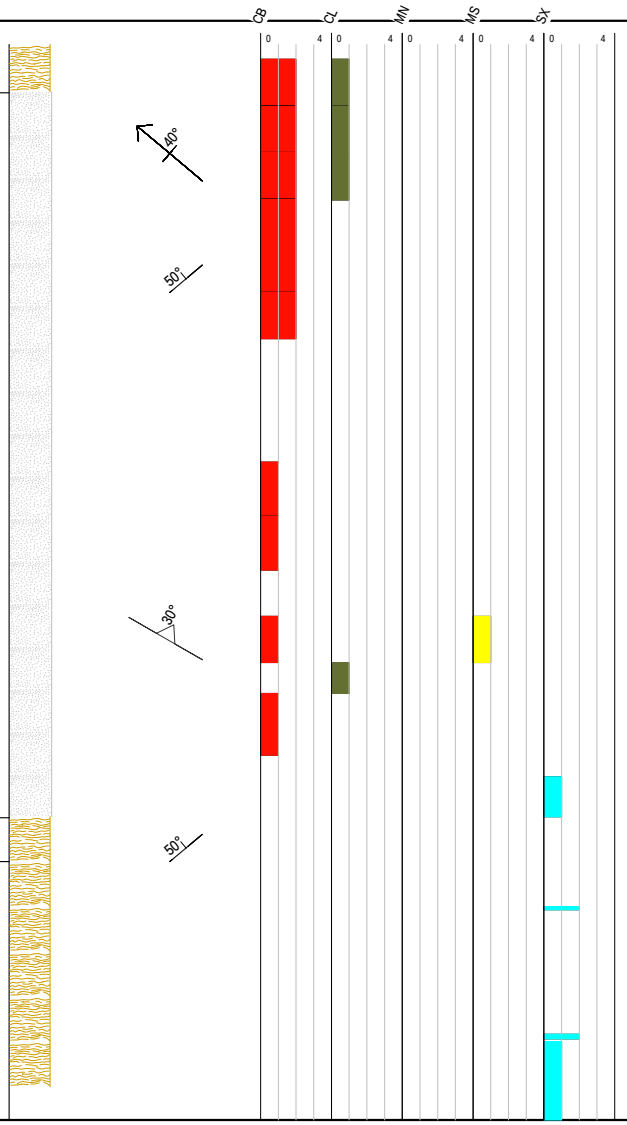
From	To	Rocktype	& Description
53.30	54.00	PHYL	**Phyllite** Black to light grey, nearly shistose character with thinly (<1 mm to 1 cm) bedded dark and light bands, QZ veins and boudinage, simple to S folds and QRTZ interbeds. QZ boudinage at 53.35 m and 53.75 m. @ 53.60 m Hosts an S fold with fold axis at 45 deg tca nearly parallel to bedding. Up section bedding is 50 deg, below it is 45 deg. Lower contact is sheared up and indistinct.
54.00	56.75	QRZT	**Quartzite** Typical QRTZ as above. Upper contact core piece hosts am indistict fold that doesn't fit with the next piece of core. 1-10cm pyrite selvage bands parallel to bedding of 60 deg hosted at 54.10 m, 54.13 m, 54.45 m, 54.65 m, 55.25 m, 55.55 m, 55.70 m and 56.05 m. Phyllitic bands for 8-10 cm at 54.20 m, 55.70 m, and 56.30 m. Minor 1-2 mm calcite veins cross-cutt bedding at 50 deg tca at 55.00 m over 15 cm. @ 56.50 two 2cm pyrite selvage bands with strong weathering cross-cut bedding at 30 deg tca. Lower contact is sharp with phyllite, parallel to bedding at 60 deg tca.
56.75	57.35	PHYL	**Phyllite** Typical phyllite. Bedding at 40 tca . Minor QZ boudinages. Wavy beds with a wide crenulation appearance at 56.95 m.



From	To	Width	Sample	Ag ppm	Pb ppm	Zn ppm
54.00	54.00	0.00	475076	0.0	3	21
55.80	56.70	0.90	475077	1.8	145	1220

Project: HALDANE **Hole Number:** HLD10-1B

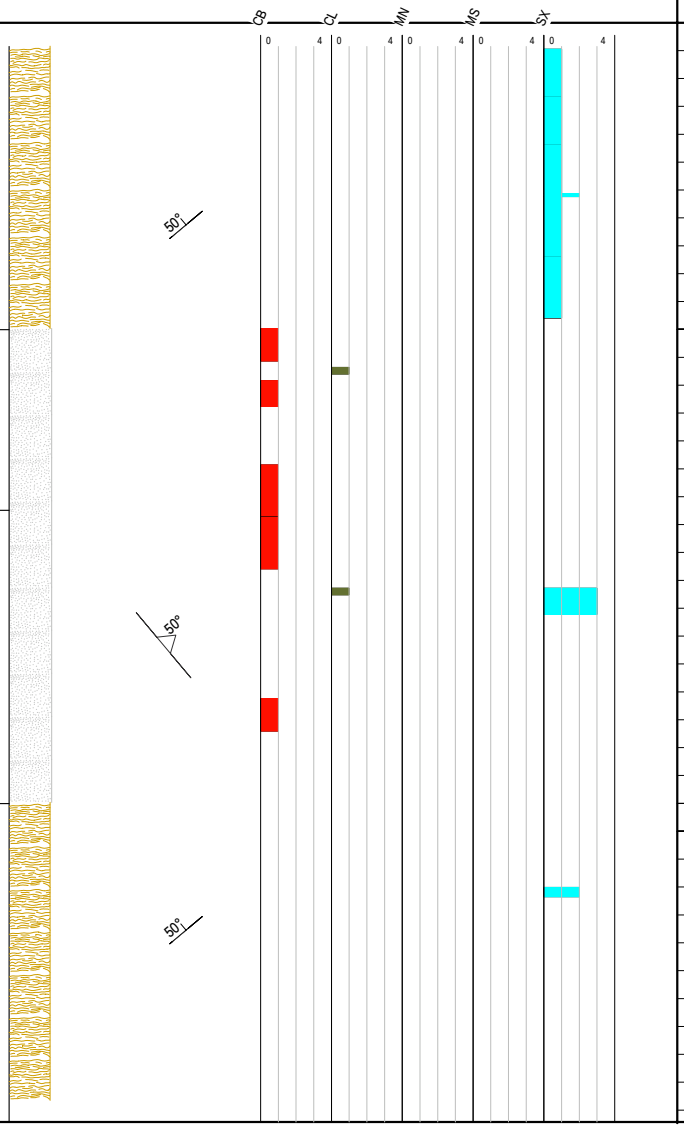
From	To	Rocktype	& Description
			Lower contact grades into QRTZ along beds at 40 deg.
57.35	59.70	QRZT	Quartzite Typical quartize. Fold visible in beds at 57.55 m with an axial trace of 40 deg. @ 57.70 m A 10 cm QV cuts through in a phyllitic zone hosted in the QRTZ. Lower contact is parallel to bedding at 40 deg tca, though upper contact is moreorless parallel to bedding at 60 deg but difficult to tell because of fold. Minor 1-2 mm calcite veins, 50 deg parallel to bedding at 58.00 m, and cross-cutting bedding at 30 deg tca at 58.10 m. @ 59.20 m A 10 cm QV with w CL cuts across bedding in a phyllitic band of beds at 50 deg tca. @59.40 m An S fold with 45 deg tca fold axis folds QRTZ over 20 cm. Below fold beds are oriented at 60 deg tca and grades into a 5 cm phyllitic section before being cut by a 2 cm QV at 85 deg tca. From 59.57 m to 59.70 m QRTZ is weakly altered by CB and has 1cm PY selvage bands. Lower contact is undulatory with phyllites below at approx. 70 deg tca.
59.70	63.60	PHYL	Phyllite Less shistose than typical phyllite section. Mainly shaly with very thin (1-3 mm) bands of quartz interbeds. Hosts several QV boudinage, pyritic selvage bands and high strain zones. QV boudinage parallel to bedding at 60.60 m (2 cm), 60.66 m (1.5 cm), 60.69 m (1 cm), 60.81 m (3 cm) hosting 1% <1mm PY xtals and wCL alteration of phyllite, 61.40 m (1 cm), and 63.45 m (5 mm)



From	To	Width	Sample	Ag ppm	Pb ppm	Zn ppm
60.30	62.60	2.30	475078	0.4	9	267
62.60	63.60	1.00	475079	0.3	9	123

Project: HALDANE **Hole Number:** HLD10-1B

From	To	Rocktype & Description
		Pyritic selvage bands parallel bedding (50 deg) at 60.30 m (2 cm), 61.15 m (3 cm) and 62.70 m (1.5 cm). Strain zones with weakened gougey phyllite at 60.00 m, 60.75 m, and 62.05 m. Sulphidic cross-cutting veins at 61.20 m (50 deg tca, 2 mm), 61.75 m (60 deg tca, 2 mm), 62.80 m (55 deg tca, 4 mm), 63.00 m (55 deg tca, 2 mm), 63.50 m(50 deg tca, 2 mm), and 63.53 m (50 deg tca, 2 mm). Lower contact grades into QRTZ along bedding.
63.60	67.15	QRZT Quartzite Mainly typical QRTZ with phyllitic interbedded sections, minor <1 mm LI weathered fractures cross-cut bedding, weak CB alteration in places, and quartz veining in phyllitic zones. Phyllitic sections at 64.25 m (over 45 cm), 65.60 m (over 20 cm with a QV+3% PY forming along beds). QV with mod LI weathering and wCL alteration at 63.90 m and 65.60 m (3 cm, 50deg parallel to bedding, with 1% PY), 65.85 m (3 cm, 50 deg), and 66.10 m (30 cm within phyllitic beds spaced out 0.5 to 5 cm). PY selvage zone @ 66.65 m for 1.5 cm parallel to bedding at 50 deg. Lower contact is broken phyllite at approx. 60 deg.
67.25	71.55	PHYL Phyllite Mainly typical schistose phyllite with QRTZ sections and interbeds, highly sheared and strained zones, QV and boudinage and minor LI weathering on fractures and PY selvage bands. Highly sheared and deformed but cohesive at 67.40 m for 20 cm with dominate strain at approx. 45 deg tca, 69.20 m to 69.35 m strongly deformed and less coherent but still intact.



From	To	Width	Sample	Ag ppm	Pb ppm	Zn ppm
65.35	66.45	1.10	475080	0.5	16	139
71.00	71.75	0.75	475081	0.0	4	72

Project: HALDANE **Hole Number:** HLD10-1B

From	To	Rocktype	& Description

QRTZ band at 69.35 m (25 cm) gradually grading back into PHYL.

PY selvage bands at 67.70 m (2.5 cm at 50 deg and parallel to bedding), 68.95 m (1 cm), 71.15 m (2 cm).

QV with weak chloritized phyllite fragments and trace PY at 67.28 m (boundinage? appears to pinch slightly, 1-2.5 cm parallel to bedding at 40 deg tca), 68.50 m (3.5 cm), 68.85 m (2.5 cm, orangish in colour), 69.07 m (6 mm boudinage with mod LI weathering), 69.11 m (7-9 cm) 69.48 m and 69.55 m (Boudinage QZ , 1 cm parallel to bedding), 69.91 m (Boudinage QZ, 3 cm), 71.05 m, 71.25 m and 71.50 m (Boudinage, 1-2 cm).

PY fracture fill at 71.22 m and 71.55 m (1 mm) PY veinlet cross-cuts bedding at 71.35 m (1 mm).

Lower contact has a strained appearance with QZ/phyllite melange before quickly grading to QRTZ.

71.55 72.90 QRZT

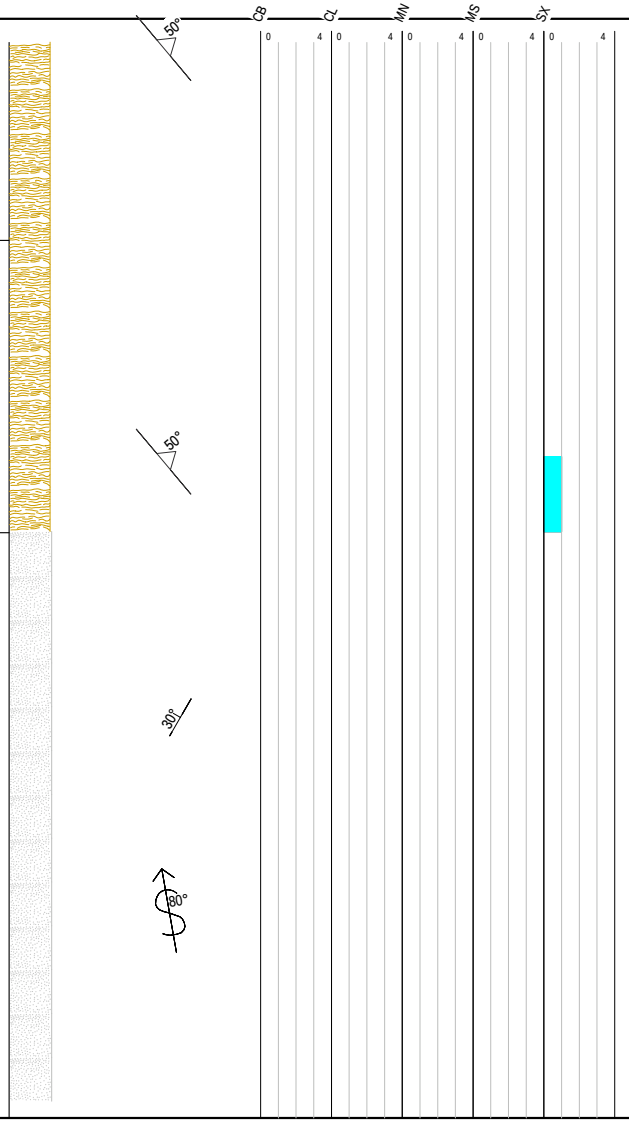
Quartzite

Typical grey QRTZ with QVs parallel to bedding and cross-cutting beds, PY selvages, minor fracturing across beds at 30 deg tca and an S fold. Bedding at 60 deg tca.

@ 71.60 m A series of 1-2 mm QV parallel to bedding over 10 cm, QV cutting beds at 71.80 m (3 cm at 40 deg), 72.12 m (12 cm, cutting through beds at 60 deg tca). Below here, quartz forms pinching and swelling veins with random swirling orientations, 1-2 cm wide, likely due to S fold at 72.39 m with fold axis at 80 deg. Bottom of unit has a QV partially incorporating PHYL just above the contact.

PY selvage bands at 72.00 m (4 cm) and 72.10 m (2 cm).

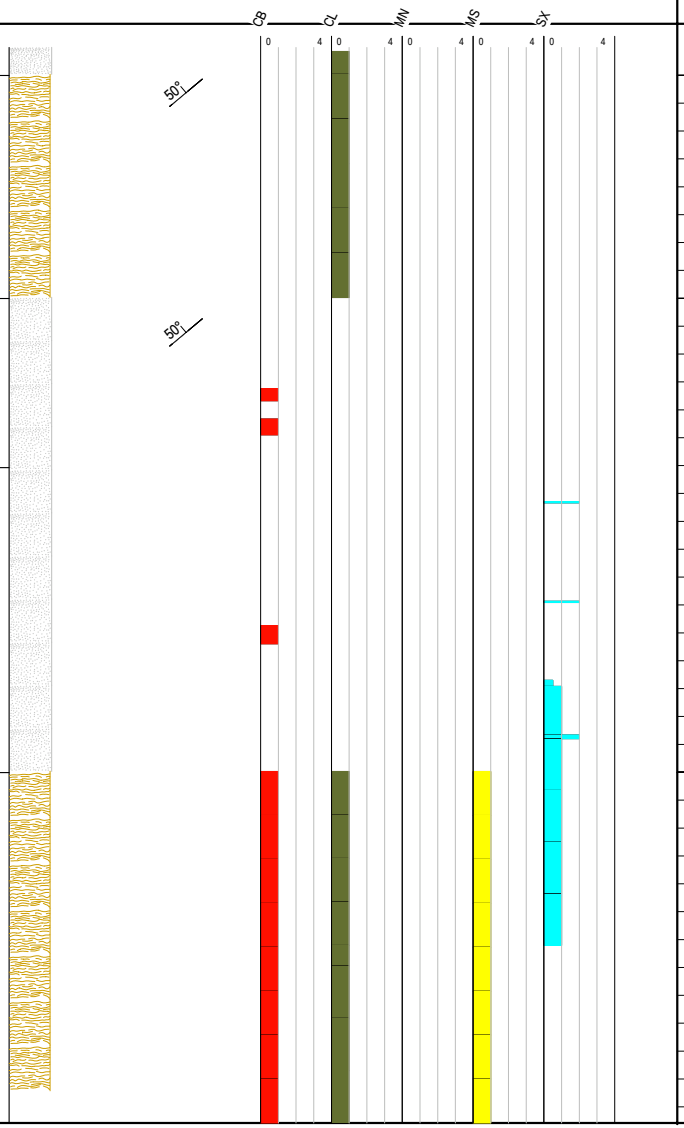
Lower contact is formed by 2.5 cm boudinage QV separating the QRTZ and PHYL.



From	To	Width	Sample	Ag ppm	Pb ppm	Zn ppm
72.70	72.90	0.20	475082	1.3	11	147

Project: HALDANE **Hole Number:** HLD10-1B

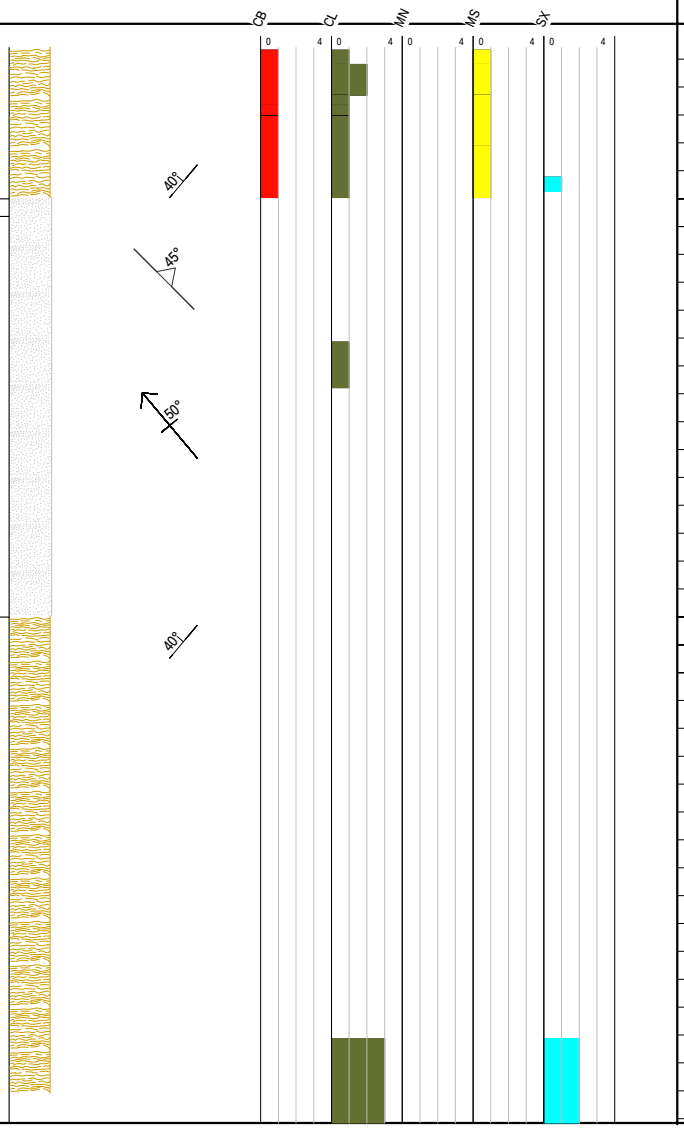
From	To	Rocktype	& Description
72.90	73.60	PHYL	Phyllite Typical PHYL. Bedding at 50 deg tca, weak CL throughout. One double QV boudinage at 73.35 m (both 1 cm wide with 3 mm between) Lower contact sharp with a boudinaged QV 1 cm at 50 deg.
73.60	77.50	QRZT	Quartzite Typical grey QRTZ with minor LI weathering on rare, irregular fractures; regular, thin, ~bedding parallel, QV, rarely x-cutting beds; wCB alteration in places, and minor phyllitic zones. Bedding at 50-55 deg tca. PHYL zones at 75.40 m (4 cm), 75.63 m (3 cm with boudinage QV, 1.5 cm), and 76.65 m (10 cm with boudinage QV, 2.5 cm) @ 75.15 m coarse-grained QV cuts bedding and incorporates wall rock. Bleeds out from a 4 mm QV ~parallel to bedding PY selvage zone @ 75.28 m (1 cm), 77.20 m (3 cm) and a fresh PY band @ 76.10 m (1 cm). 0.5% PY also diseminated throughout bottom 70 cm of unit. Lower contact formed by swirling QV with 1% PY and wCL of phyllite.
77.50	79.95	PHYL	Phyllite Typical PHYL, though with 1% disseminated and vein hosted PY in top 85 cm, zones of CL, MS and CB alteration, generally associated with QV. Bedding ~ at 40-50 deg tca. QZ+PY veins perpendicular to bedding at 40 deg @ 77.70 m (1 mm), 77.90 m (2 mm), 78.07 m (3 mm) and 78.27 m (2 mm). QV ~ parallel to bedding with w CL of PHYL fragments @ 78.95 - 78.05 m (3 x 1 cm), 78.15 m (1-3 cm boudinage), 78.32 m (3 cm boudinage), 78.59 m (2 cm boudinage), 79.55 m (2 cm), and 79.80 m (1 cm boudinage).



From	To	Width	Sample	Ag ppm	Pb ppm	Zn ppm
77.50	78.45	0.95	475083	0.3	7	108

Project: HALDANE **Hole Number:** HLD10-1B

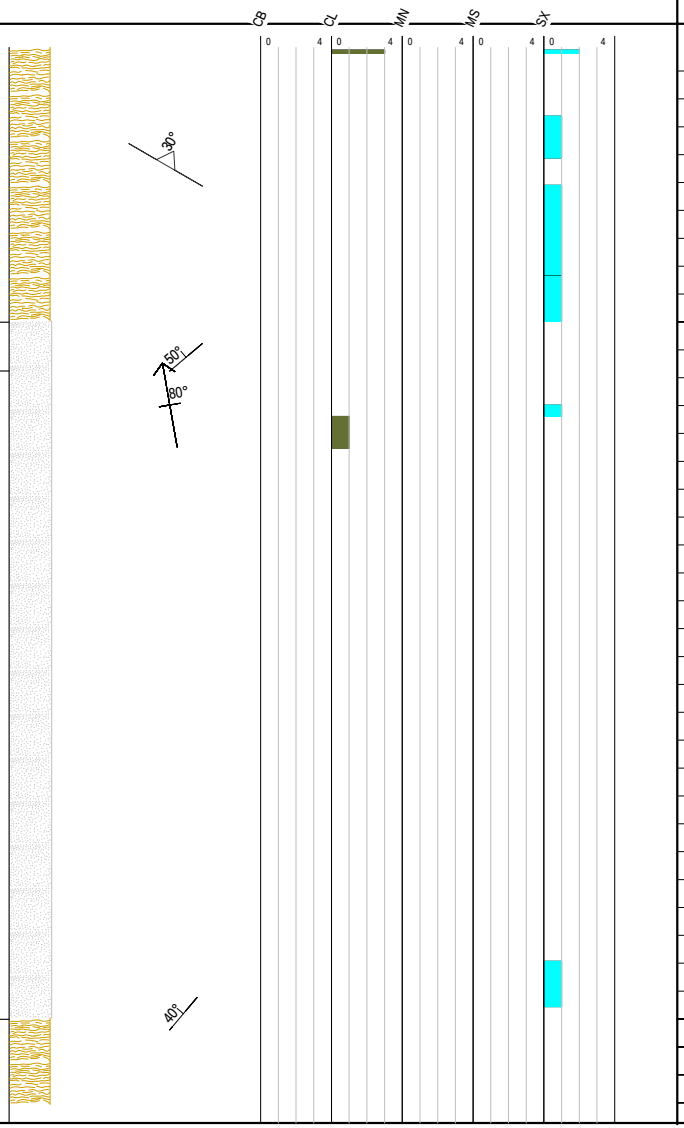
From	To	Rocktype & Description
		From 79.85 m to 79.92 m, orange tinted QZ swirls with 0.5-1% PY cut beds and appears strained.
		Lower contact is sharp with QRTZ at 40 deg.
79.95	81.05	QRZT
		Quartzite
		Typical grey quartzite with two pyllitic zones on either side of a quartz vein, a fold and minor fracturing. Bedding at 40 deg tca.
		Phyllitic zone @ 80.15 m over 8 cm, hosts a 2 mm PY vein at 45 deg tca cross-cutting beds. Bottom transition is sharp and undulatory. 12 cm QV @ 80.33 m with minor CL, trace PY and cross-cuts beds at 40 deg tca. Phyllitic zone at base of QV for 3 cm.
		1.5 cm boudinage QV at 80.55 m above hinge of fold with fold axis at 50 deg tca.
		Lower contact is sharp at 50 deg tca PHYL.
81.05	84.78	PHYL
		Phyllite
		Typical PHYL with QRTZ zones, overprinting QVs, commonly boudinaged, PY veins x-cutting beds and a PY-rich zone. Bedding is ~40 deg.
		QRTZ zones are at 81.38 m (5 cm), 81.76 m (35 cm) with bedding parallel (2 cm @ 81.77 m, 6 cm @ 81.95 m) and overprinting QVs (82.05 m, 50 deg tca cross-cutting beds),
		Boudinaged at 82.09 m (1.5 cm), 82.30 m (1 cm vein, offset 5 mm, by cross-cutting 2 mm PY vein), 82.80 m (20 cm QV with mod LI staining/weathering and mod CL alteration, bottom of vein in phyllite has parasitic folding-like appearance), 83.03 m, QV boudinaged (2-5 cm).
		84.00 m, a 2 cm vein at 30 deg tca cross-cuts bedding intersects with a 2.5 cm vein parallel to bedding at 60 deg tca. A smaller version of this x-cutting relationship is found at 84.19 m.



From	To	Width	Sample	Ag ppm	Pb ppm	Zn ppm
80.20	80.50	0.30	475084	0.4	3	52
80.20	80.50	0.30	475085	0.4	2	47
81.50	82.25	0.75	475086	0.2	4	31
82.25	83.50	1.25	475087	0.9	77	116
83.50	84.78	1.28	475088	0.9	31	120

Project: HALDANE **Hole Number:** HLD10-1B

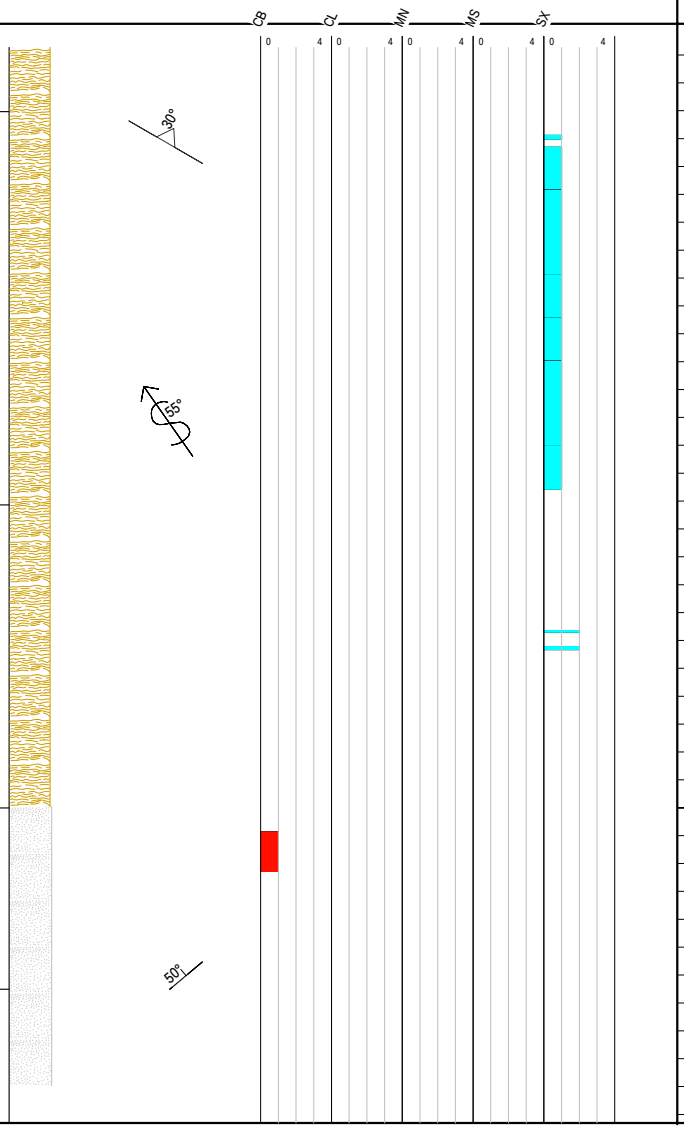
From	To	Rocktype & Description
		PY zone is between 83.07 m and 83.50 m. Very strong LI weathering and strong CL. Original textures difficult to discern. Below this this zone for 30 cm, core is rubbly QRTZ/PHYL melange. From 83.80 m to 84.00 m and bottom 65 cm are heavily deformed yet cohesive, with 1% 1-3mm euhedral PY xtals disseminated throughout and abundant QZ boudinage. Lower contact quickly grades into QRTZ.
84.78	87.85	QRZT Quartzite Mainly typical grey QRTZ, with phyllitic zones, abundant QVing both parallel and x-cutting beds, minor PY mineralization at top of unit and hosts a fold. Bedding at 50 deg tca. PHYL zone from 85.38 to 85.84 m hosting several QZ boudinage, moderately deformed beds and thin LI weathered bed @ 85.00 m. Another PHYL zone at 87.09 m for 25 cm hosting swirling QV and a large (3-5 cm), possibly boudinaged, QV @ 87.25 m. Fold located at 85.15 m with axis at 80 deg tca and hosts 1% dissem. PY. QV's parallel to bedding at 85.20 m and 85.27 m, both 7 cm wide with wCL alteration. Abundant orangish QV between 86.00 m and 87.09 m varying in width from 2 mm to 5 cm, mostly barren to trace PY and w CL alteration. All but one parallel bedding with one x-cutting bedding at 86.68 m. Boudinaged vein at contact with PHYL zone at 87.09 m. Similar veining though less abundant and thinner between 87.55 m and 87.85 m. Possible HE/PY selvage band at 87.60 m (7.5 cm). Reddish selvage similar to PY selvages further up the hole. Lower contact is sharp at 60 deg tca with PHYL.
87.85	98.84	PHYL Phyllite Mainly typical PHYL with zones of QRTZ, zones of intense QV and deformation,



From	To	Width	Sample	Ag ppm	Pb ppm	Zn ppm
88.20	88.95	0.75	475089	0.2	2	28
89.35	91.00	1.65	475090	0.2	2	96
91.00	92.35	1.35	475091	0.4	4	61
96.25	98.84	2.59	475092	0.0	4	82

Project: HALDANE **Hole Number:** HLD10-1B

From	To	Rocktype & Description
		common QZ boudinage, w-mod LI weathering, along fractires and QVing, rare blebs of PY, commonly disseminated, and zones hosting bladed xtals within and cross-cutting beds. Bedding varies between 30-55 deg tca.
		QRTZ zones located at 88.35 m (10 cm), 91.25 m (25 cm), 93.17 m (15 cm) and 96.25 m (50 cm).
		Intense QV, swirling and/or bedding parallel located at 88.20 m (20 cm), 89.28 m (50 cm), 90.10 m (25 cm), 95.45 m (22 cm), 96.30 m (30 cm), 97.95 m (10 cm), 98.20 m (35 cm) and 98.65 m (20 cm).
		Cross-cutting veins at 90.30 m (3-5 mm over 5 cm with 1% PY at 30 deg).
		Blebby PY at 88.45 m (up to 2.5 cm wide) hosted in quartz of deformed zone with a semi-brecciated appearance.
		Pyrite selvage zones at 96.60 m (1.5 cm) and 96.80 m (4 cm), and 97.20 m (3 cm).
		Bladed xtals (1-2 cm) with light grey colour elongated along bedding from 90.45 m to 94.80 m in mainly shaly sections of the core. Commonly with 1% disseminated PY along bedding planes.
		@ 93.96 m a tight almost recumbent S fold with fold axis at 55 deg tca.
		Lower contact is marked by a 2.5 cm QV cutting along PHYL beds then 0.5 cm of PHYL before quickly grading to QRTZ..
98.84	101.50	QRZT
		Quartzite
		Typical section QRTZ unit with zones of wCB alteration and minor associated bleaching, minor x-cutting fractures, QVs near parallel to bedding and swirling QV approaching the lower contact. No PHYL bands. Bedding at 50 deg tca.
		QVs vary in wide from 2.5-6 mm, most have organish tint. Vein density about 6/m. From 101.25 m, beds are dissoluted by QZ with wCL and orangish tint .
		Lower contact is sharp with PHYL at 60 deg, parallel to beds.



From	To	Width	Sample	Ag ppm	Pb ppm	Zn ppm

Project: HALDANE **Hole Number:** HLD10-1B

From	To	Rocktype	& Description
101.50	103.00	PHYL	

Phyllite

Typical PHYL with a QRTZ section, common QZ boudinage, bladed xtals sections and minor LI weathering. Beds at 50 deg tca.

QRTZ section at 101.55 m (6 cm). QV's parallel to bedding at 101.75 m (7 cm, with wCL) and parasitic folding oriented at 70 deg tca of PHYL 1cm below vein and 102.35 m (15 cm, mCL and 1% weathered PY) with bladed xtal zone the 6 cm before the vein. A 2 mm PY vein cuts through lower QV at 45 deg tca.

Lower contact is sharp with QRTZ at 40 deg tca.

From	To	Rocktype	& Description
103.00	110.92	QRZT	

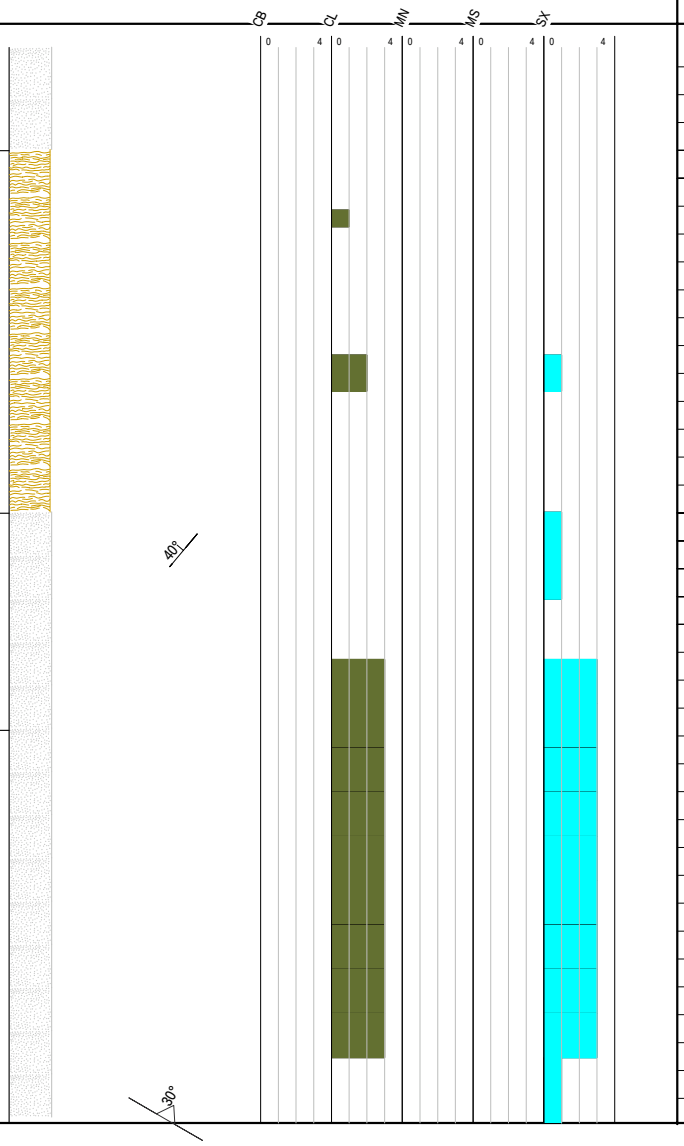
Quartzite

Top part of unit is typical QRTZ with weak bleaching though at 104.35 m becomes highly oxidized and mineralized with poor recovery to 108.00 m. Drilling encounter problems through this zone when reaming. Some PHYL zones just above, in amongst mineralization and towards lower contact. 1-2 mm calcite veins cross-cut beds at end of unit. Bedding at ~40 deg tca, but through mineralized zone up to 85 deg and at 60 deg by lower contact.

QZ bands, 1-2 mm wide form along beds for first 80 cm before becoming mainly interbeds of PY selvage, LI weathered PHYL.

@ 104.35 m, 20 cm of strongly weathered, brittle, mainly metallic zone with xtal structure unidentifiable is encountered. Short bands of thin (2-5 mm) sulphide mineralization form along fractures and within QVing past this zone until 108.00 m. Phyllite interbeds common through this zone, as is QVing, alteration selvage around fractures, strong CL alteration and LI weathering, PY bands and fault gouge.

From 108.00-109.00 m, sulphide mineralization is less prevelant, forming in veins, but only about 1%. Veining generally cross-cuts beds at 30 deg tca with



From	To	Width	Sample	Ag ppm	Pb ppm	Zn ppm
101.50	103.80	2.30	475093	0.3	7	87
103.80	104.35	0.55	475094	0.5	20	429
104.35	105.00	0.65	475095	96.2	3140	15000
105.00	108.00	3.00	475096	73.5	18100	4540
108.00	109.20	1.20	475097	2.3	259	4120
108.00	109.20	1.20	475098	4.8	649	5440

Project: HALDANE **Hole Number:** HLD10-1B

From	To	Rocktype	& Description

veins 2-10 mm wide. Alteration halos common around fractures.

109.00 m to end of section has several 1-2 mm calcite veinlets cross-cutting beds at 30 deg tca and a 10 cm QZ+/-CA vein with wCL cutting along PHYL beds at 110.40 m. Beds are 50 deg tca above vein and 40 deg below. PHYL section is from 110.25-110.75 m with a boudinaged QV at 110.65 m (2.5 cm wide).

Lower contact is sharp at 35 deg with PHYL

110.92	113.20	PHYL

Phyllite

This unit is similar to typical PHYL, though with more common QRTZ interbeds, CB altered zones, minor LI weathering, parasitic folding, QZ+CA veining and QZ boudinage. Bedding at 50-60 deg tca.

QV at 110.95 m with boudinaged appearance (6-8 cm in width)

QZ+CA veins located at 111.01m (12 cm, bedding parallel), 111.19 m and 111.38 m (2 mm, x-cutting beds at 45 deg), and 112.25 m (2 cm, bedding parallel)

Parasitic folding @ 111.90 m with axis at 45 deg, parallel to bedding with associated wCB beds 1 cm wide below for 15 cm.

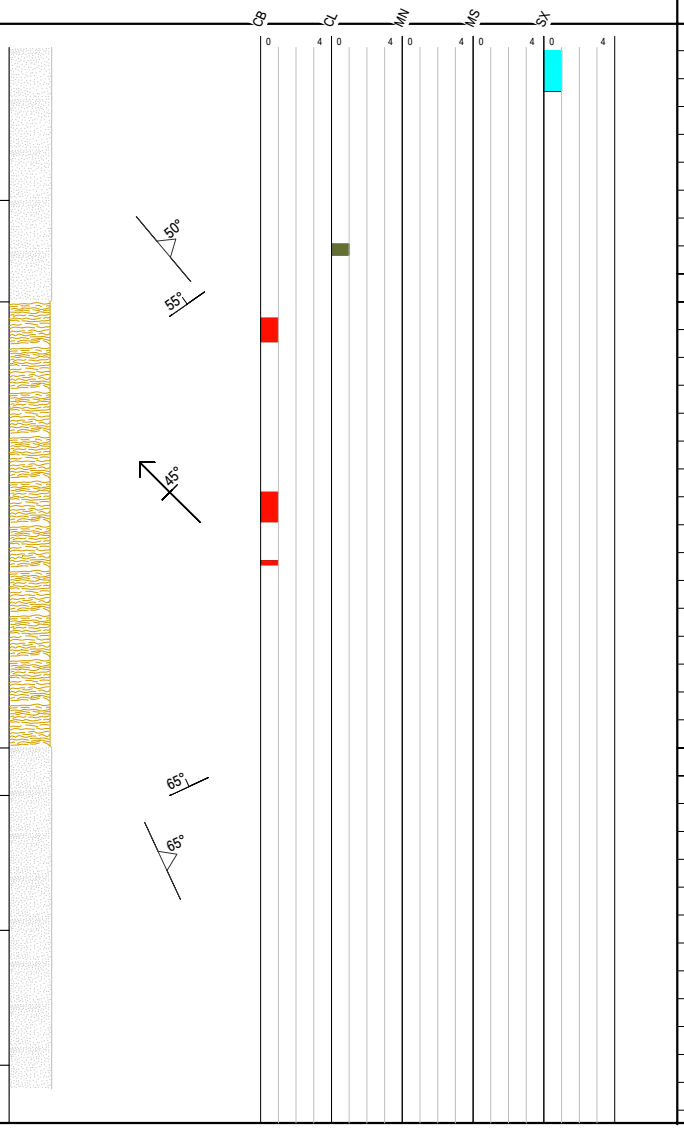
Lower contact is quickly grades in to QRTZ at 65 deg tca.

113.20	136.97	QRZT

Quartzite

Mainly typical grey QRTZ with PHYL sections, QVing with rare boudinage, minor LI weathering, CB alteration in places and rare CA veins and trace PY. Beds predominately at 65 deg tca.

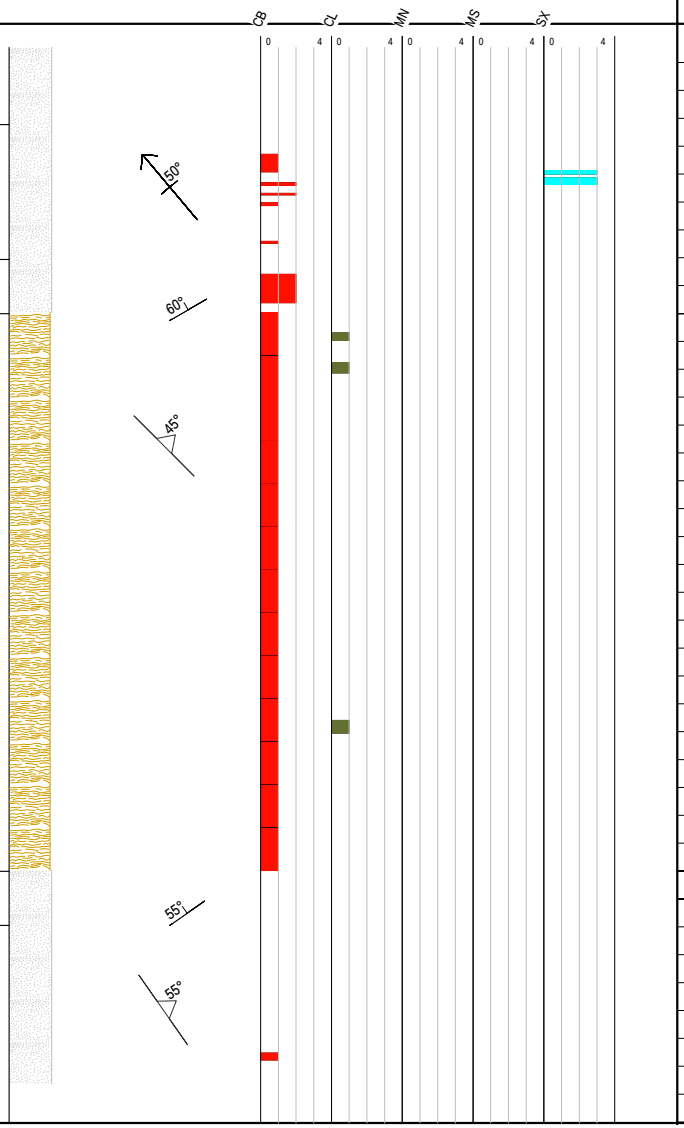
PHYL sections at 113.70 m (20 cm), 113.95 m (15 cm), 114.58 m(7cm), 116.00 m (15 cm), 117.45 m (5 cm), 120.63 m (7 cm), 122.60 m (4 cm), 125.05 m (5 cm), 126.37 m (32 cm), 126.83 m (12 cm) 130.72 m (3 cm), 131.70 m (13 cm, with 3% PY hosted along bedding), 131.97 m (25 cm, 3% PY along bedding), 132.44 m (7 cm), 132.69 (4 cm), 132.86 (6 cm), 133.45 (43 cm, with 2 x 5 cm QZ+CA veins @ 133.50 m and 133.57m) and 136.50 m (15 cm). QV (0.5-2 cm) and boudinage common within PHYL beds.



From	To	Width	Sample	Ag ppm	Pb ppm	Zn ppm
109.20	111.85	2.65	475099	1.0	70	651
111.85	113.20	1.35	475100	0.4	29	383
115.10	117.35	2.25	475101	0.2	16	171
126.40	126.95	0.55	475102	0.0	8	85

Project: HALDANE **Hole Number:** HLD10-1B

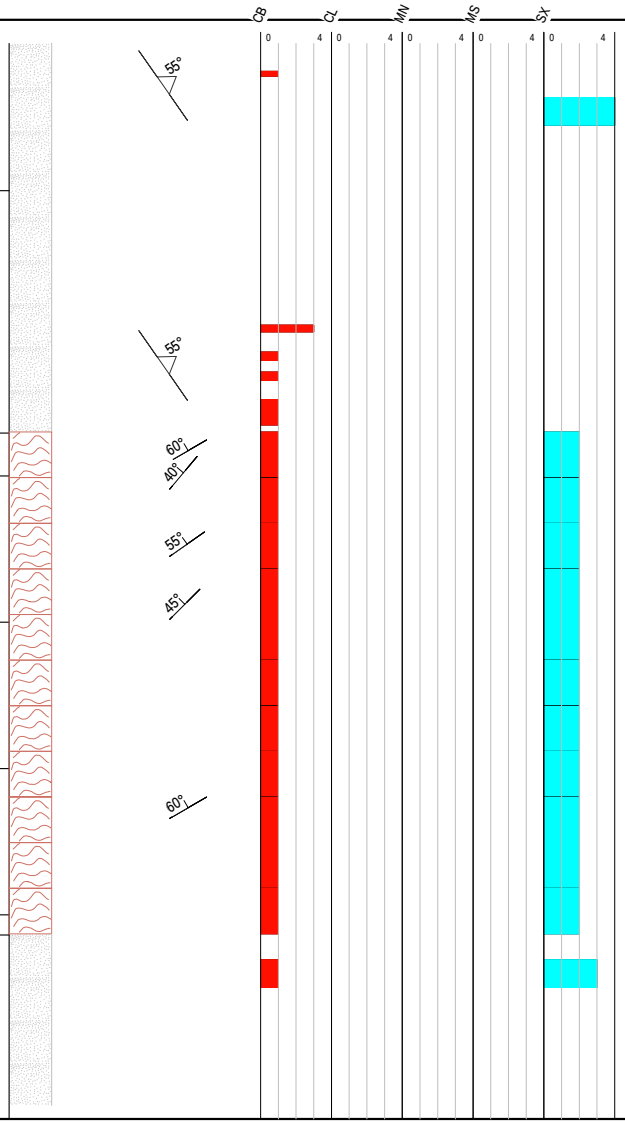
From	To	Rocktype & Description
		QVing, bedding parallel, at 114.80 m (3 cm) 115.15 m (4 cm), 115.35 m (13 cm), 117.30 m (3 x 1 cm over 4 cm), 134.25 m (4 cm). Cross-cutting at 118.50 m (40 deg, 2 cm), 129.35 m (30 deg, 1 cm). 130.55 m (30 deg, 8 mm), 134.10 m (30 deg, 1.1 cm), 135.00 m (30 deg, 7 mm). Open fold located at 132.32 m with fold axis oriented at 50 deg tca. Lower contact is at 55 deg and quickly grades into PHYL .
136.97	139.20	PHYL Phyllite Mainly typical PHYL with QRTZ sections, abundant (upt to 5%) PY hosted along beds, within cross-cutting CA+PY veins, hosted within bedding parallel QVs and boudinage (trace-1%) and as fracture fill. Also, wCB altered beds hosted within PHYL. Bedding is predominately 60 deg tca. QRTZ located at 137.86 m (50 cm, with several 1-3 cm QVs parallel to bedding, one boudinaged at 138.10 m), 138.67 m (20 cm). Weakened zone of PHYL at 137.45 m for 5 cm. CA+PY veins x-cutting beds at 137.37 (45 deg, 2 mm), 137.48 (45 deg, 2 mm), and 138.60 m (45 deg, 2 mm). QVs +/-CA with wCL alteration at 137.05 m (Boudinaged, 3 cm), 137.17 m (4cm), 138.60 m (5cm). Lower contact grades quickly into QRTZ at 80 deg.
139.20	148.50	QRZT Quartzite Typical grey QRTZ with PHYL interbedded QRTZ, PHYL sections hosting PY+/-PO veins and fracture-fill, large QZ+/-CA veins with wCL and trace-1% PY, mainly bedding parallel, and rarely cross-cutting, rare disseminated PY in small, <1mm xtals, and w-sCB alteration in places. Bedding at 55-60 deg tca. PHYL zones located at 139.60 m (5 cm), 140.05 m (20 cm, hosting a fold with fold axis at 70 deg), 141.75 m (10 cm), 142.05 m (22 cm), 143.10 m (10 cm),



From	To	Width	Sample	Ag ppm	Pb ppm	Zn ppm
137.15	137.90	0.75	475103	0.4	9	55
143.10	145.25	2.15	475104	0.3	7	32
143.10	145.25	2.15	475105	0.3	10	36

Project: HALDANE **Hole Number:** HLD10-1B

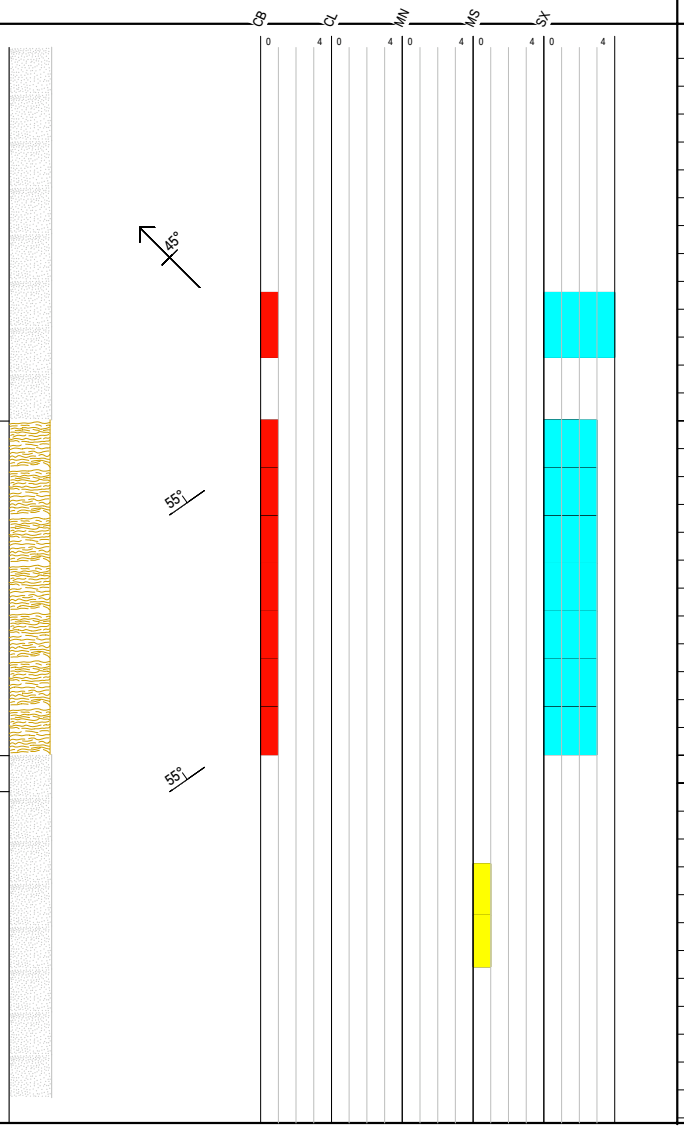
From	To	Rocktype	& Description
			143.65 m (40 cm, 3 mm PY+/-PO vein at 45 deg cross-cutting beds, also 5% fracture-fill and along beds), 144.21 m (4 cm), 144.44 m (6 cm), 145.03 m (15 cm), 145.65 m (9 cm), 146.30 m (10 cm), 146.87 m (5 cm).
			QZ+/-CA veins parallel to bedding located at 139.24 m (12 cm), 139.65 m (4 cm), 139.78 m (25 cm), 141.16 m (11 cm), 141.55 m (16 cm), 141.94 m (5-10 cm boudinage), 142.59 m (1 cm), 143.34 (4 cm), 143.41 m (12 cm), 144.61 m (3 cm), 144.78 m (5 cm, with 0.5 cm boundianges at base), 145.15 m (7 cm), 145.30 m (30 cm, with some beds separating QZ bands), 146.10 m (2 x 3 cm), 146.70 m (4 x 0.5-1.5 cm over 14 cm), 147.13 m (2 cm), 147.22 m (2 x 1 cm), 147.47 m (16 cm), and 147.80 m (7 cm).
			Lower contact is formed by a boudinaged QV shearing up PHYL beds.
148.50	165.65	PQTZ	
			Phyllitic Quartzite
			This unit is mainly interbedded quartzite and phyllitic beds, giving a schistose appearance to most of the unit. Difficult to break unit out into seperate units. Several QZ+/-CA+/-PY+/-PO veins parallel beds generally 0.5-7 cm, commonly boudinaged, and only minor veinlets cross-cut beds. 1-3%PY and trace-0.5% PO disseminated through most of the unit and in places as narrow bands within phyllitic beds. w-mCB alteration of QRTZ beds common. Bedding varies from 40-60 deg tca.
			Bedding at 149.50 m (60 deg), 150.45 m (40 deg), 152.75 m (55 deg), 154.90 m (45 deg), 161.70 m (60deg)
			Mod clay alteration between 154.60 m and 154.85 m with two 1 cm wide QZ eyes in between beds.
			Lower contact grades into mainly QRTZ unit at 60 deg.
165.65	168.05	QRZT	
			Quartzite
			Mainly typical QRTZ with minor PHYL bands (1-2cm) and PHYL sections both hosting 1-3%PY+/-PO, wCB altered beds common, QZ+/-CA veins commonly forming along bedding orientation with several boudinaged, minor (2 mm) CA+PY veins rarely x-cut bedding and one tight fold visible. Bedding varies from 45-60 deg



From	To	Width	Sample	Ag ppm	Pb ppm	Zn ppm
152.75	153.12	0.37	475106	0.6	15	168
156.60	158.40	1.80	475107	0.2	10	91

Project: HALDANE **Hole Number:** HLD10-1B

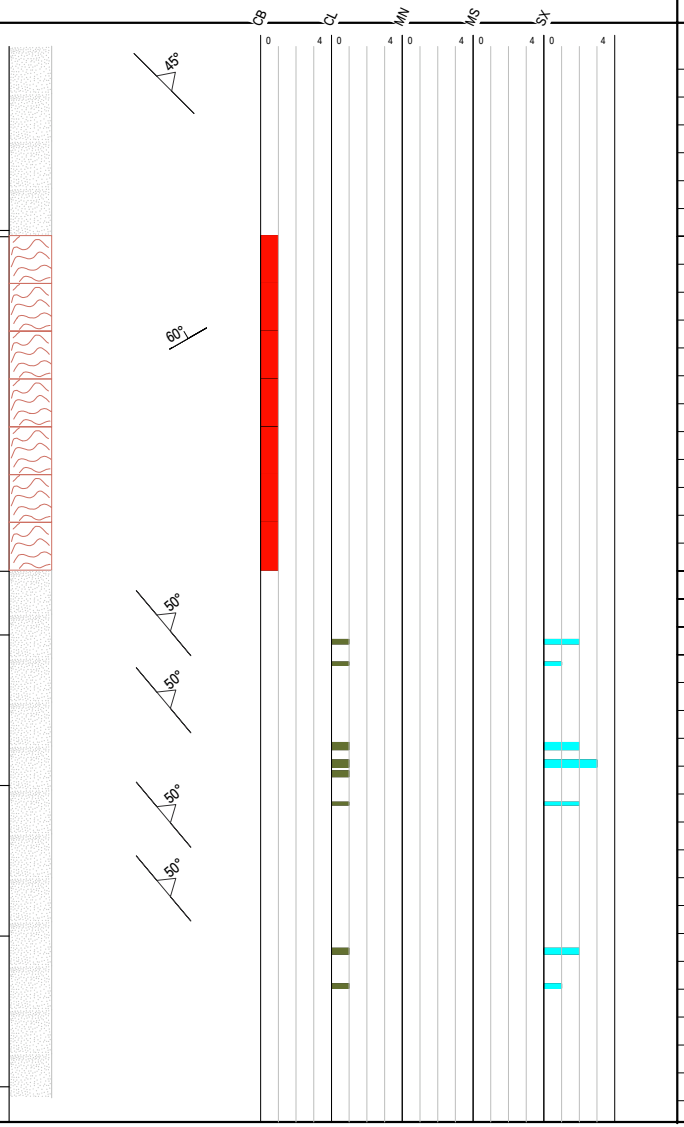
From	To	Rocktype & Description
		tca. PHYL sections located at 165.76 m (12 cm, hosting a 4 cm and 1 cm QZ+CA veins, 3%PY) and 167.50 m (28 cm, hosting 5%PY and 0.5%PO, one cross-cutting CA+PY vein and two 5 mm QZ boudinage). QZ+CA with trace PY+PO veins located at 166.15 m (7 cm), 166.27 m (2 cm), 166.33 (7 cm), 166.57 m (10 cm), 166.70 m (7 cm), 166.88 m (7 cm), 167.09 m (4 x .8-4 cm over 20 cm) and 167.90 mh (2 x 1cm). Fold located at 167.35 m with fold axis at 45 deg. Lower contact quickly grades into PHYL at 55 deg.
168.05	169.64	PHYL Phyllite Typical PHYL, though with very common CB interbeds and regular (~20 cm spaced) 2 mm CA+PY veins x-cutting bedding, 3% PY disseminated along bedding planes. Hosts fewer than normal bedding parallel QZ+CA veins and exhibits minor crenulations along bedding orientation. Bedding at 55 deg tca. QZ+CA+/-PY veins located at 168.11 m (3.5 cm), 168.27 m (2 cm), 169.50 m (1 cm), 169.24 m (2 x 0.5 cm), and 169.31 m (4 cm). Lower contact is sharp at 55 deg with QRTZ.
169.64	175.05	QRZT Quartzite Typical grey QRTZ with zones of w-mCB altered bedding, mod clay alteration with associated wMS alteration (also prominent along fractures below clay alteration zone) , fracture-fill and trace disseminated PY, one PHYL zone and common 1-2mm QZ+CA+/-PY veins cross-cutting bedding at 45 deg tca. Bedding is at 50-60 deg tca. Clay alteration zone at 169.64-170.20 m. QZ+CA veins bedding parallel located at 170.20 (2 x 1 cm), 171.36 m (20 cm), 172.36 m (10 cm), 172.70 m (5 cm of 1-10 mm veins), and 175.00 m (5 cm).



From	To	Width	Sample	Ag ppm	Pb ppm	Zn ppm
167.00	168.30	1.30	475108	0.3	9	42

Project: HALDANE **Hole Number:** HLD10-1B

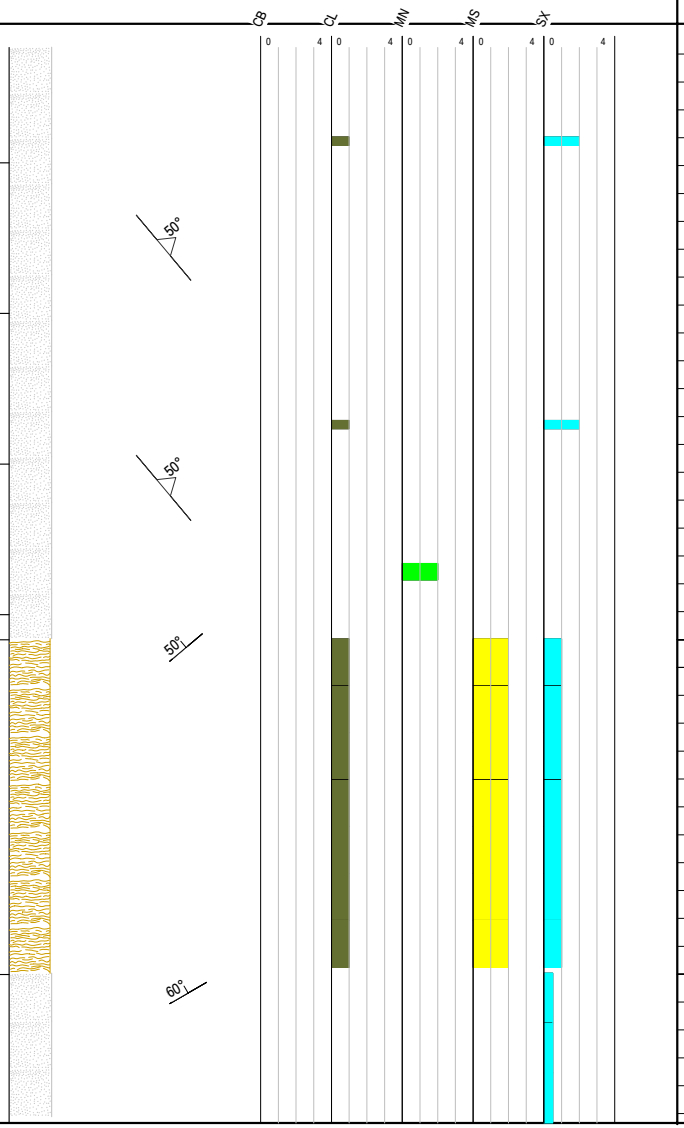
From	To	Rocktype	& Description
			@ 173.52 m is a 1cm QZ+CA+PY vein cross-cutting bedding at 45 deg tca with 10% PY down the center of the vein. Half in PHYL zone begining at 173.50 m (10 cm).
			Lower contact with phyllitic quartzite grades quickly at 60 deg.
175.05	177.85	PQTZ	Phyllitic quartzite This unit is mainly interbedded quartzite and phyllitic beds, giving a schistose appearance to most of the unit. Difficult to break unit out into seperate units. Several QZ+/-CA veins parallel beds generally 3-7 cm, commonly boudinaged. 1-3 mm CA+/-PY veinlets x-cut beds at 45 tca and are very common through slightly more phyllitic zones. PY also more common in slightly more phyllitic zones up to 3%. w-mCB alteration of beds common. Folding within beds visible in places. Patchy wCL alteration. Bedding at 60 deg tca. Lower contact is formed by QV at 60 deg and parallel to bedding.
177.85	215.80	QRZT	Quartzite Typical QRTZ with PHYL zones, w-sCB alteration of select beds, w-sMS+/-CL alteration of select beds and fractures, PY common as fracture fill and within veins and beds of PHYL zones, trace disseminateions within QRTZ sections. 1-20 cm QZ+/-CA veins parallel to bedding common, 1-2 mm veinlets cross-cut bedding at 30-45 deg tca and boudinage associated with PHYL zones less common. Rare PO hosted within QVs. Bedding mainly at 50-55 deg tca. PHYL zones generally hosting bedding parallel and cross-cutting veins and boudinage, w-mCL alteration and 1-5% PY at 180.15 m (15 cm), 180.90 m (10 cm), 183.57 m (24 cm), 184.15 m (24 cm), 184.51 m (20 cm), 185.55 m (10 cm), 186.67 m (5 cm), 188.15 m (5 cm), 188.85 m (8 cm), 190.05 m (6 cm), 190.40 m (20 cm), 191.41 m (2 cm), 191.48 m (5 cm), 191.58 m (2 cm), 191.80 m (15 cm), 192.25 m (17 cm, with a 9 cm QV parallel to beds), 199.14 m (28 cm), 201.25 m (8 cm), 201.45 m (11 cm, with 1 cm boudinage QV), 202.12 m (9 cm), 202.51 m (14 cm hosting boudinaged 1-3 cm QVs x 4), 203.62 m (10 cm) and 208.55 m (26 cm hosting several QZ bands and boudinage).



From	To	Width	Sample	Ag ppm	Pb ppm	Zn ppm
175.05	177.00	1.95	475109	0.2	14	76
183.58	184.76	1.18	475110	0.0	6	54
192.00	193.33	1.33	475111	0.0	2	18
201.00	202.85	1.85	475112	0.0	2	23
213.30	213.85	0.55	475113	1.3	210	675

Project: HALDANE **Hole Number:** HLD10-1B

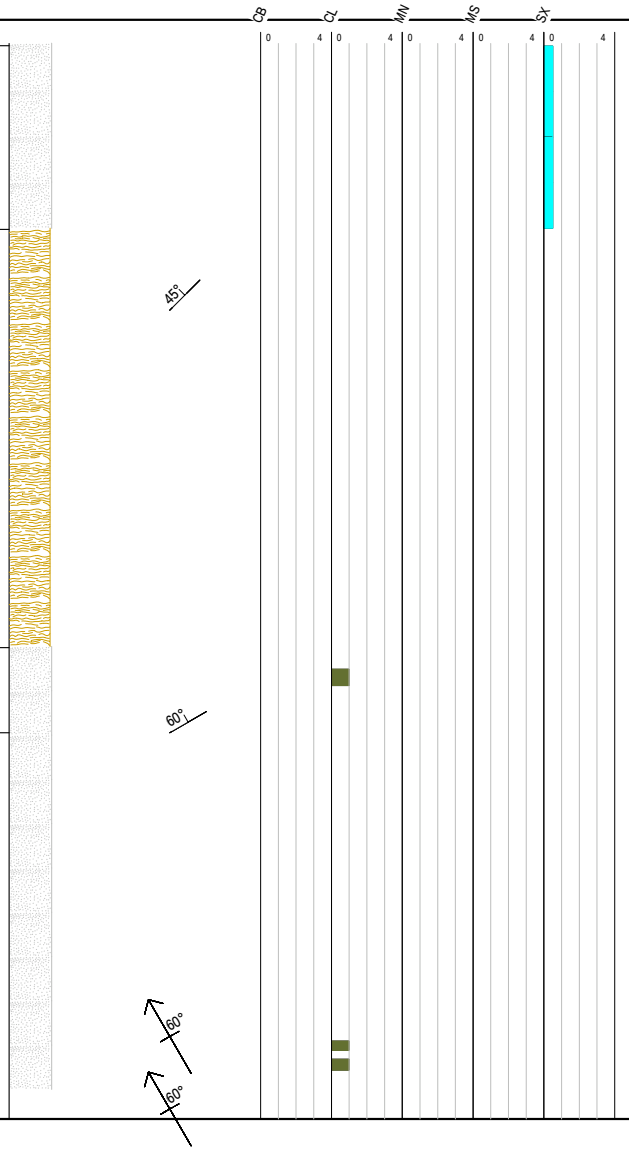
From	To	Rocktype & Description
		Bedding parallel QZ+CA veining +/-wCL and PY located at 178.65 m (3 x 0.5-1 cm over 4 cm), 179.20 m (4 cm), 179.44 m (6 cm), 179.55 m (1.5 cm boudinage), 179.6 m (3 cm boudinage), 180.10 m (5 x 0.5-1 cm boudinage over 17 cm), 180.42 m (1 cm boudinage), 180.97 m (3 cm), 181.15 m (9 veins from 0.2-10 cm wide over 50 cm). 181.85 m (1 cm), 182.00 m (10 cm), 182.23 m (5 cm), 183.68 m (10 cm), 185.67 m (2 cm), 185.80 m (10 cm), 186.00 m (0.5 cm, 30%PO), 186.50 m (2.5 cm), 187.97 m (2.5cm), 188.25 m (19 cm), 191.84 m (4 cm), 192.18 m (7 cm), 192.32 m (9 cm), 193.66 m (1 cm), 193.78 m (3 cm), 194.05 m (6 x 0.3-1 cm over 15 cm), 194.37 m (3 cm), 202.06 m (6 cm), 202.65 m (19 cm), 203.63 m (7 cm), 205.60 m (1 cm), 205.85 m (2 cm), 306.35 m (2 cm), 206.50 m (3 x 0.5-2 cm over 15 cm), 207.25 m (60 cm with regular 5 cm spaced 3-10 mm veins), 208.88 m (9 cm), 209.28 m (2 cm), 209.90 m (25 cm of ten 3-15 mm QVs), 210.62 m (11 cm), 211.55 m (Regularly spaced 2-5 cm veins ,10 cm apart for 70 cm), 213.15 m (1 cm cross-cutting at 30 deg tca), 214.05 m (1 cm), 214.30 m (8 cm), 214.50 m (7 cm).
		At 213.30 m, a moderately weathered xtallized metallic mineral PY? GL? forms on fracture surfaces, as does a shiny bluish-purple metallic mineral with a residue appearance and a silver streak only found over a 55cm interval.
		Lower contact quickly grades into PHYL at 55 deg.
215.80	218.75	PHYL
		Phyllite
		Typical PHYL unit, highly deformed in places with abundant bedding parallel QZ+/-CA+/-PY veining throughout, rarely boudinaged, 1-3% PY, trace PO, w-mCL and mMS along fractures and veins, wCB altered interbeds and hosts a zone of fault gouge just above the lower contact. Beds at 45-60 deg tca.
		Fault gouge is at 218.70 m over 2 cm.
		Lower contact is sharp at 70 deg with QRTZ.
218.75	221.50	QRZT
		Quartzite
		Typical QRTZ with PHYL sections, w-mMS alteration on fractures and along some beds, trace PY disseminated throughout QRTZ zones, veins of PY forming within PHYL sections, and only minor veining mainly parallel to bedding. Bedding at 60



From	To	Width	Sample	Ag ppm	Pb ppm	Zn ppm
216.00	217.65	1.65	475114	0.4	6	87
217.65	217.65	0.00	475115	0.0	28	20

Project: HALDANE **Hole Number:** HLD10-1B

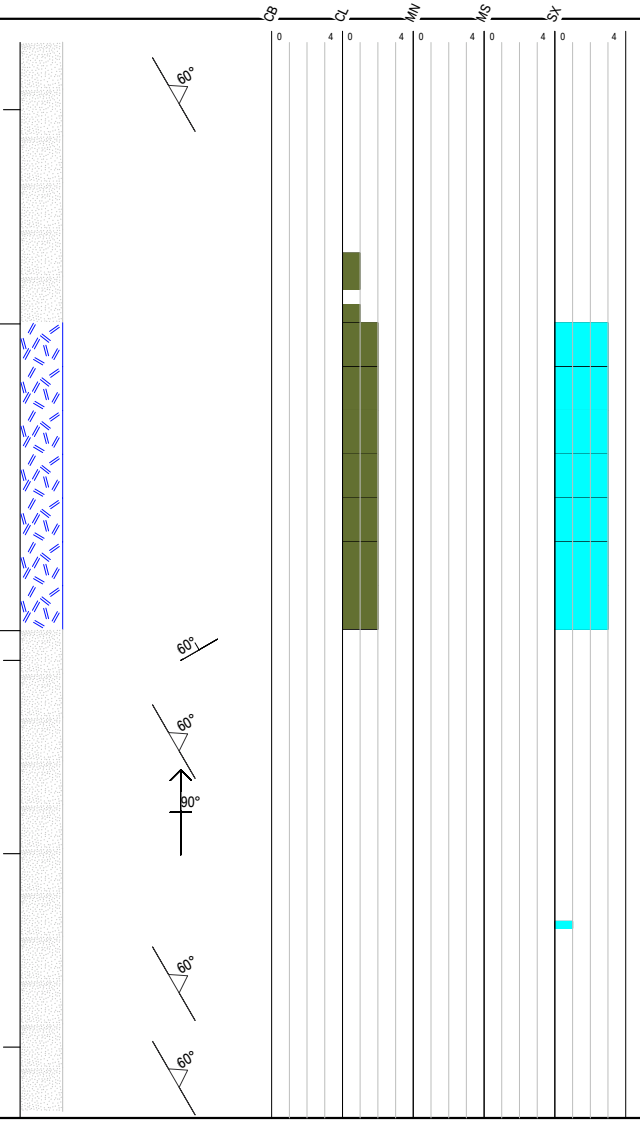
From	To	Rocktype	& Description
			deg tca. PHYL sections at 219.30 m (2.5 cm), 219.35 m (4 cm), 219.43 m (2 cm), 219.57 m (4 cm), 219.68 m (2 cm), 221.20 m (4 cm), and 221.30 m (3 cm). Lower contact is broken up but appears to be at 60 deg.
221.50	224.05	PHYL	Phyllite Typical PHYL, with QRTZ sections hosting mMS alteration of beds, QVing bedding parallel common with several boudinages, and 1-3 mm PY veins x-cut beds at 45 deg. QRTZ sections at 221.65 m (10 cm) and 223.30 m (10 cm, hosting 2 cm boudinage QV). QVing at 221.52 m (2 cm), 221.60 m (3 x 1 cm boudiange), 222.70 m (2 cm), 222.74 m (4 cm), 223.00 m (2 cm boudinage), 223.05 m (3 cm), 223.10 m (2 cm) and 223.15 m (3 x 0.5-2 cm boudiange over 9 cm). Lower contact is sharp with QRTZ at 40 deg.
224.05	232.35	QRZT	Quartzite Typical QRTZ with wCL altered PHYL sections, QVing common and mainly parallel to bedding, rarely x-cutting and boudinaged, trace PY disseminate through QRTZ zones, minor w-mMS alteration of bedding in places, three folds visible, brecciated in one interval and hosts a zone of fault gouge. Bedding is at 60 deg. PHYL section at 224.30 m (18 cm, ending above a 5 cm fault gouge with QZ grains and PHYL fragments), 228.40 m (10 cm), 228.60 m (12 cm), 228.92 m (8 cm), 229.30 m (4 cm), 230.46 (3.5 cm), 231.17 m (4 cm), 231.58 m (40 cm, hosting four 1-2 cm cross-cutting PY veins), and 232.15 m (20 cm, hosting two 4-5 cm boudinage QVs). Breccia zone is between 226.25 m and 226.65 m. Breccia is nearly entirely clast supported with angular fragments and only 5% QZ matrix.



From	To	Width	Sample	Ag ppm	Pb ppm	Zn ppm
221.80	223.50	1.70	475116	0.2	8	59
230.75	232.35	1.60	475117	0.2	5	44

Project: HALDANE **Hole Number:** HLD10-1B

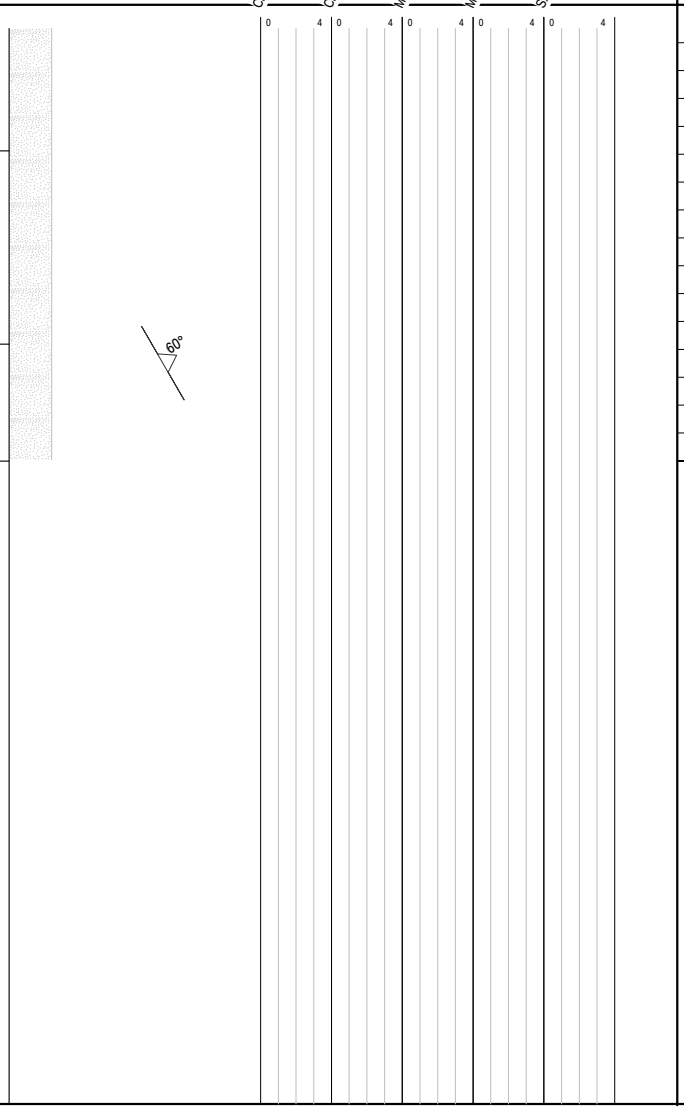
From	To	Rocktype & Description
		QVing cross-cuts beds located at 224.85 m (30 deg tca, 1 cm), 225.50 m (30 deg, 2 mm). Parallel to bedding at 226.65 m (2 cm), 229.45 m (4 cm), 229.79 m (17 cm), 231.10 m (boudinaged, 1 cm), 231.50 m (4 cm) Folds located at 228.35 m (60 deg, tight), 228.60 m (60 deg, tight) and 229.15 m (60 deg, tight). Lower contact is indirectly measured at 60 deg with a piece of core from the dyke.
232.35	234.20	DYKE Clay-altered Dyke Pale green from strong clay and moderate CL alteration, aphanitic groundmass with short (1 mm) bladed xtals and xenocrysts of QRTZ hosted near contact. Not uniform throughout with bladed xtals dissipating toward end of unit. Unit hosts abundant PY in veinlets, along fractures, and within a QV oriented at 30 deg tca. Lower contact is rubbly on both sides, though the rubble distinctly grades into phyllitic QRTZ.
234.20	258.00	QRZT Quartzite Typical QRTZ hosting PHYL sections, QVing with wCL +/- PY (rare PO), mainly parallel to beds, w-mMS beds and along fractures, Trace PY disseminated, common as fracture-fill and as veins x-cut bedding. Bedding at 60 deg, though a wide open fold is developed within beds. PHYL sections at 236.62 m (5 cm), 236.99 m (3 cm), 237.65 m (7 cm), 241.30 m (110 cm, hosting a 18 cm QV with 1% blebby PO and PY and a several QZ boudinage ranging from 0.5-4 cm), 244.00 m (38 cm hosting a 3.5 cm QZ boudinage vein), 244.75 m (7 cm), 246.51 m (50 cm, hosting 4 boudinage QV ranging from 1-4 cm and one 6 cm QV), 247.78 m (38 cm, hosting a 1 cm and 3 cm as well as a 4 cm QZ boudinage), 248.80 m (55 cm, hosting an 18 cm QV), 251.04 m (4 cm), 251.40 m (6 cm), 252.10 (39 cm, hosting several boudinage QV for 0.5-3 cm), 252.76 m (7 cm), 255.52 m (15 cm, hosting a 8 cm boudinage), and 256.78 m (8 cm).



From	To	Width	Sample	Ag ppm	Pb ppm	Zn ppm
232.35	234.20	1.85	475118	1.2	32	118
241.30	242.40	1.10	475119	0.2	9	59

Project: HALDANE **Hole Number:** HLD10-1B

From	To	Rocktype & Description
		QVing mainly parallel to bedding at 234.66 m (10 cm), 236.85 (5 cm), 237.00 m (53 cm of several veins approx. every 5 cm varying from 0.5 cm to 3 cm, some boudinaged), 239.32 m (2 cm erratic veins forming beneath fold), 239.55 m (20 cm), 242.53 m (15 cm), 243.26 m (75 cm), 244.25 m (4 cm), 244.71 m (4 cm), 245.70 m (32 cm), 246.27 m (4 cm), 247.12 m (65 cm with two 3 cm beds in amongst QZ), 248.17 m (33 cm QV with six 1-2 cm interbeds of QRTZ), 249.52 m (12 cm), 250.72 m (4 x 1-4 cm veins over 22 cm), 251.47 m (40 cm of zebra appearance with several QVs 2-12 mm wide over the interval), 254.38 m (7 cm), 254.67 m (3 cm), 254.84 m (6 cm), 255.12 m (8 cm), 255.39 m (13 cm) and 257.72 m (11 cm).
		Fault gouge at 238.75 m for 5 cm.
		Fold located at 238.93 m is open over 30 cm with a crenualtion in the center. Hosts PY witin associated QVing. Orientation is parallel to core axis.
258.00	258.00	EOH



From	To	Width	Sample	Ag ppm	Pb ppm	Zn ppm

Drill Log Legend

DYKE

OVBN

PHYL

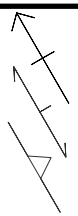
PQTZ

QRZT

S-fold

bedding

fault



fold

foliation

vein