

Appendix da98-09

Unilog Drill Core Data

Diamond Drill Holes DAD-0001 to DAD-0005 (Note: DAD-0005 has not been geologically logged)

DDH DAD-0001

CAMECO CORPORATION - EXPLORATION DIVISION

June 22, 1999

Report for Deaf Adder Project - Drill Hole DAD-0001

1. Drill Hole Information

Drill Hole (DDH#):	DAD-0001	Total Hole Depth:	419.00 metres
Grid Name:	Flying Ghost	Casing Depth:	0.00 metres
Disposition:	EL 5061	Water Depth:	0.00 metres
NTS Number:		Overburden Depth:	0.00 metres
Hole Logged By:	David Rosewall Dave Thomas & Garth Drever	Rating:	
Company Name:	CAMECO AUSTRALIA	Core Size:	NQ2
Contractor:	CENTURY DRILLING	Grid Angle:	0 degrees
Date Started:	August 4, 1998	Collar Elevation:	322.56 metres
Date Completed:	August 11, 1998	Land Surface Elevation:	322.56 metres
Date Logged:	August 11, 1998	Elevation Relative to:	OMNISTAR
Collar Grid Coordinates:	85299+70 North, 3182+40 East	Elevation Determined by:	DUMPY LEVEL
Collar UTM Coordinates:	8529970 North, 318240 East		
Collar Survey Coordinates:	0.000 North, 0.000 East		
Collar Computed Coordinates:	8529970.000 North, 318240.000 East		

2. Orientation Information

Depth (metres)	Azimuth (degrees)	Inclination (degrees)	Act Depth (metres)	Computed Surface North	Coordinates East	Deviation Test	Recorded By
0.00	240.0	-60.0	0.00	8529970.00	318240.00	level	
17.00	243.0	-60.0	14.72	8529966.14	318232.43	camera shot	
50.00	246.0	-60.0	43.30	8529959.43	318217.35	camera shot	
95.00	246.0	-59.5	82.07	8529950.14	318196.49	camera shot	
152.00	246.0	-59.0	130.93	8529938.20	318169.67	camera shot	
200.00	246.0	-58.0	171.64	8529927.85	318146.43	camera shot	
250.00	247.0	-57.0	213.57	8529917.21	318121.37	camera shot	
300.00	249.0	-57.0	255.51	8529907.45	318095.94	camera shot	
350.00	250.0	-57.0	297.44	8529898.14	318070.35	camera shot	
400.00	250.0	-57.0	339.37	8529888.83	318044.76	camera shot	
418.50	251.0	-57.0	354.89	8529885.55	318035.24	camera shot	

3. Lithology Information - General

Depth (metres) From - To	Colors 1 2	Grain Size (mm) Average Maximum	% Text	Rock Type 1	Qual 2	Minerals 1 2 3	Rock Type	Litho Facies
0.00 - 0.80			100				OB	
0.80 - 2.50			100				SDST	
2.50 - 3.50			100	AL	S AL		CLAY	
3.50 - 4.30			100	LM	M AL		MVTF	
Gilluth volcanic horizon. Clay altered limonitic tuffaceous								
4.30 - 19.50			100	BD	W SY		SDST	
19.50 - 29.20			100	BD			SDST	
29.20 - 42.00			100	BD			SDST	
42.00 - 73.00			60	BD	M SY		SDST	
42.00 - 73.00			40	BD	W SY		SDST	
73.00 - 84.00			100	BD			SDST	
84.00 - 191.10			60	BD	W SY		SDST	
84.00 - 191.10			40	BD	M SY		SDST	
191.10 - 268.20			80	BD			SDST	
191.10 - 268.20			20	BD	W SY		SDST	
268.20 - 268.80	2RB	50.00	100	BX			MVFX	
268.80 - 269.90	2RB	2.00 5.00	100	MX	M AM		MVAM	
flow breccia; strongly fissile; layer parallel								
269.90 - 270.20	2GA		100	BX			MVFX	
elongate, amoeboid shaped fragments								
270.20 - 270.95	2RB	3.00 10.00	100	MX			MVAM	
amoeboid shaped amygdulites in top 30 cm; flattened amygdulites in lower 20cm								
270.95 - 271.21	2GN 2RB		100	BX			MVFX	
271.21 - 273.58	2RB	0.25 10.00	100	BX	AM		MVAM	

[illegible]

Depth (metres)		Cumulative Thickness (cm)				Max. Pebble Size (mm)	RQD %	Formation
From	To	Clay Interclasts	Pebbles > 4mm	Granules 2-4mm	Siltstone Mudstone			
-----	No Detailed Lithology Information for this hole.							

5. Structure Information - General

Depth (metres)	Bedding Angle	Contact Angle	Foliation Angle	Frac Angle	Frac Feat	Frac/m	Fri ab	Recover %	Probe	
0.00	65					<1	2	100	0	
0.80						<1	3	80	0	
1.00						<1	5	0	0	
2.40						BC	4	5	0	
3.30						BC	2	75	0	
3.80						BC	4	75	0	
4.30	70			70	2SGG	2	1	100	0	
4.30				70	2U2Y	2	1	100	0	
4.30				70	OF	2	1	100	0	
4.30				70	2HEB	2	1	100	0	
4.30				70	PLB	2	1	100	0	
4.45				80	1SGG	8	1	100	0	
4.45				80	1LI	8	1	100	0	
4.45				80	PLB	8	1	100	0	
4.60	74			74	1SGG	13	1	100	0	
4.60				74	2LI	13	1	100	0	
4.60				74	OF	13	1	100	0	
4.60				74	PLB	13	1	100	0	
5.10					28	2HE	13	1	100	0
5.10				28	1U2Y	13	1	100	0	
Weakly disseminated secondaries on fracture surface										
5.10				28	OF	13	1	100	0	
5.60	62			25	1DQZ	1	1	100	0	
5.60				25	2HE	1	1	100	0	
5.60				25	VUG	HF	1	100	0	
6.40	48					1	1	100	0	
Defined by intraclasts										
6.60				26	1DQZ	1	1	100	0	
6.60				26	HF	1	1	100	0	
6.60				26	1HE	1	1	100	0	
After DQZ										
6.60				26	2HE	1	1	100	0	
Lining fractures and permeating sandstone up to 4mm										
7.30	60					1	1	100	0	
Bedding										
7.35	38					1	1	100	0	
Cross bedding										
7.75	50			38	2DQZ	1	1	100	0	
BX 3cm wide with sandstone clasts(up to 2cm)displaced 5mm										
7.75				38	VBX	1	1	100	0	
7.75				38	VUG	1	1	100	0	
7.75				38	OF	1	1	100	0	
9.00	62			62	2WCY	2	1	100	0	
9.00				62	PLB	2	1	100	0	
9.00				62	OF	2	1	100	0	
11.00					2	WCY	1	1	100	0
11.00					62	PLB	1	1	100	0
12.80				32	1DQZ	2	1	100	0	
12.80				32	1QZ	2	1	100	0	
12.80				32	1DQZ	2	1	100	0	
12.80				32	HF	2	1	100	0	
12.90				40	1DQZ	2	1	100	0	
12.90				40	1QZ	2	1	100	0	
12.90				40	HF	2	1	100	0	
14.10						14	1	100	0	
14.30				0		2	1	100	0	
Dqz fractures along core axis										
15.40				70	2WCY	3	1	100	0	
15.40				70	2I CY	3	1	100	0	
15.40				70	OF	3	1	100	0	
15.42				70	2I CY	3	1	100	0	
15.42				70	OF	3	1	100	0	
15.43				70	1WCY	3	1	100	0	
15.43				70	OF	3	1	100	0	
15.44				70	1WCY	3	1	100	0	
15.44				70	OF	3	1	100	0	
15.47				70	2HE	3	1	100	0	
15.47				70	CF	3	1	100	0	
16.10				70	2HE	4	1	100	0	
16.10				70	CF	4	1	100	0	
16.80				70	1YCY	4	1	100	0	
16.80				70	CF	4	1	100	0	
17.50				70	1SGG	4	1	100	0	
17.50				70	OF	4	1	100	0	
17.50				70	2HE	4	1	100	0	
17.50				70	CF	4	1	100	0	
18.10				70	2HE	4	1	100	0	
18.10				70	CF	4	1	100	0	
18.55				70	2HE	1	1	100	0	
Possible paleosol ?He spotting										

18.55		70	OF	1	1	100	0
20.15		60	2WCY	2	1	100	0
20.15		60	CF	2	1	100	0
20.30		65	1SGG	2	1	100	0
20.30		65	OF	2	1	100	0
20.40	67			<1	1	100	0
20.48	65	70	2HE	1	1	100	0
20.48		70	2ICY	1	1	100	0
20.48		70	OF	1	1	100	0
23.52	62			<1	1	100	0
26.57		45	1DQZ	2	1	100	0
26.57		45	CF	2	1	100	0
26.73		60	2HE	2	1	100	0
26.73		60	1QZ	2	1	100	0
26.73		60	OF	2	1	100	0
27.20		69	1YCY	2	1	100	0
27.20		69	1SGG	2	1	100	0
27.20		69	CF	2	1	100	0
27.78		69	1YCY	2	1	100	0
27.78		69	1SGG	2	1	100	0
27.78		69	2HE	2	1	100	0
27.78		69	OF	2	1	100	0
28.56	65			<1	1	100	0
28.57	50			<1	1	100	0
Cross bedding							
28.78		61	2YCY	2	1	100	0
28.78		61	OF	2	1	100	0
28.88		69	2ICY	2	1	100	0
28.88		69	OF	2	1	100	0
29.30	57			<1	1	100	0
29.70		38	1DQZ	1	1	100	0
29.70		38	CF	1	1	100	0
31.03		72	2HE	2	1	100	0
31.03		72	1ICY	2	1	100	0
31.03		72	OF	2	1	100	0
31.50		20	1DQZ	2	1	100	0
31.50		20	CF	2	1	100	0
32.00		62	2YCY	2	1	100	0
32.00		62	OF	2	1	100	0
32.70		60	1YCY	2	1	100	0
32.70		60	OF	2	1	100	0
33.20		60	1WCY	3	1	100	0
33.20		60	OF	3	1	100	0
33.50		19	1DQZ	3	1	100	0
33.50		19	CF	3	1	100	0
33.95		61	1DSG	3	1	100	0
33.95		61	OF	3	1	100	0
34.50		65	2DSG	1	1	100	0
34.50		65	CF	1	1	100	0
35.25	60	61	2ICY	1	1	100	0
35.25		61	OF	1	1	100	0
36.93		60	2HE	1	1	100	0
36.93		60	HF	1	1	100	0
37.04		45	1DQZ	1	1	100	0
37.04		45	CF	1	1	100	0
37.05	55			<1	1	100	0
37.06	70			<1	1	100	0
Cross bedding							
37.55		40	1QZ	2	1	100	0
37.55		40	OF	2	1	100	0
37.55		70	1YCY	2	1	100	0
39.65		61	1YCY	2	1	100	0
39.65		61	1DSG	2	1	100	0
39.65		61	1WCY	2	1	100	0
39.65		61	OF	2	1	100	0
40.25	65			<1	1	100	0
40.26	45			<1	1	100	0
Cross bedding							
42.30	65			<1	1	100	0
44.05		75	2WCY	2	1	100	0
44.05		75	1YCY	2	1	100	0
44.05		75	OF	2	1	100	0
44.32		75	2HE	2	1	100	0
Possible paleosol? He spotting							
44.32		75	PLB	2	1	100	0
44.32		75	OF	2	1	100	0
47.25		40	1DQZ	5	1	100	0
47.25		40	CF	5	1	100	0
47.70		5	1DQZ	1	1	100	0
Along core axis irregular dip							
47.70		5	OF	1	1	100	0
Along core axis irregular dip							
48.35		60	2ICY	2	1	100	0
48.35		60	1DSG	2	1	100	0
48.35		60	OF	2	1	100	0
48.75	65			<1	1	100	0
50.76		70	1YCY	3	1	100	0
50.76		70	OF	3	1	100	0
50.77		70	1SGG	3	1	100	0
50.77		70	CF	3	1	100	0
50.77		70	2YCY	3	1	100	0

50.92		70	1SGG	3	1	100	0
50.92		70	CF	3	1	100	0
52.70	65			<1	1	100	0
53.60		35	1DQZ	1	1	100	0
53.60		35	CF	1	1	100	0
54.71	67			<1	1	100	0
56.00		70	2SGG	1	1	100	0
56.00		70	1YCY	1	1	100	0
56.00		70	1I CY	1	1	100	0
56.00		70	OF	1	1	100	0
57.50		40	1DQZ	2	1	100	0
57.50		40	CF	2	1	100	0
57.92		50	1DQZ	2	1	100	0
57.92		50	CF	2	1	100	0
58.46		35	1DQZ	1	1	100	0
58.46		35	1LI	1	1	100	0
58.46		35	CF	1	1	100	0
59.96		52	2HE	1	1	100	0
59.96		52	OF	1	1	100	0
60.17	56			<1	1	100	0
60.53		56	1SGG	1	1	100	0
60.53		56	1YCY	1	1	100	0
60.53		56	1WCY	1	1	100	0
60.53		56	OF	1	1	100	0
61.20		61	1DQZ	1	1	100	0
61.20		61	CF	1	1	100	0
62.82		59	1DQZ	1	1	100	0
62.82		59	CF	1	1	100	0
63.60		51	1DSG	1	1	100	0
63.60		51	2HE	1	1	100	0
63.60		51	CF	1	1	100	0
66.80	64			<1	1	100	0
68.20		55	1DQZ	3	1	100	0
Group of three dqz frags							
68.20		55	CF	3	1	100	0
69.65	63	49	1DQZ	1	1	100	0
Bleached alteration halo around fracture, crosscutting bedding							
69.65		49	CF	1	1	100	0
70.52		30	1DQZ	1	1	100	0
70.52		30	CF	1	1	100	0
72.65		38	1DQZ	3	1	100	0
Set of hairline dqz fractures together							
72.65		38	CF	3	1	100	0
73.45		43	1DQZ	2	1	100	0
73.45		43	CF	2	1	100	0
75.27	61			<1	1	100	0
77.20		60	2WCY	1	1	100	0
77.20		60	OF	1	1	100	0
77.74	69			1	1	100	0
77.75	49			1	1	100	0
Cross bedding							
79.50	59			1	1	100	0
83.45		50	1DQZ	1	1	100	0
83.45		50	VBX	1	1	100	0
Minor sandstone clasts in bx, minor mm displacement							
83.45		50	CF	1	1	100	0
84.70			3DQZ	BC	1	90	0
Well formed dqz with minor pyrite coating							
84.70			2PY	BC	1	90	0
84.70			OF	BC	1	90	0
84.72			2DQZ	BC	1	90	0
84.72			2HE	BC	1	90	0
84.72			OF	BC	1	90	0
84.84	65	36	2DQZ	2	1	100	0
84.84		36	VUG	2	1	100	0
84.84		36	OF	2	1	100	0
85.57		50	3DQZ	2	1	100	0
85.57		50	OF	2	1	100	0
85.62			3DQZ	2	1	100	0
85.62			1PY	2	1	100	0
85.62			OF	2	1	100	0
86.05			3DQZ	BC	1	100	0
86.05			1PY	BC	1	100	0
86.05			OF	BC	1	100	0
86.09			2DQZ	BC	1	100	0
86.09			1PY	BC	1	100	0
86.09			1HE	BC	1	100	0
86.09			OF	BC	1	100	0
86.52		34	1DQZ	1	1	100	0
86.52		34	CF	1	1	100	0
86.81		50	1DQZ	1	1	100	0
86.81		50	CF	1	1	100	0
87.90	57			1	1	100	0
89.16	68	52	1QZ	1	1	100	0
Zone of qz filled fractures, 89.16m to 89.37m							
89.16		52	CF	1	1	100	0
89.90		61	2LI	1	1	100	0
Area of possible soft sediment deformation, strong He and higher CPS than background(103)							
89.90		61	PLB	1	1	100	0

91.00	69			1	1	100	0
94.05		40	1DQZ	1	1	100	0
94.05		40	CF	1	1	100	0
94.82				1	1	100	0
Possible soft sediment deformation?							
95.17		45	1DQZ	1	1	100	0
95.17		45	CF	1	1	100	0
96.54				1	1	100	0
Strong He alteration, possible soft sediment deformation							
99.39		36	1QZ	2	1	100	0
BH alteration halo around fracture							
99.39		36	2HEB	2	1	100	0
99.39		36	CF	2	1	100	0
99.81		40	1DQZ	2	1	100	0
50cm zone of qz and dqz mosaic fractures							
99.81		40	1HEM	2	1	100	0
99.81		40	CF	2	1	100	0
99.98			2DQZ	2	1	100	0
2mm bedding offset; still in zone of qz fractures							
99.98			VUG	2	1	100	0
99.98			CF	2	1	100	0
100.60		50	3DQZ	4	1	100	0
He coating on dqz							
100.60		50	2HEM	4	1	100	0
100.60		50	VUG	4	1	100	0
100.60		50	CF	4	1	100	0
100.61		60	1QZ	4	1	100	0
Vein cut by previous dqz							
100.61		60	CF	4	1	100	0
100.82	61	55	1DQZ	4	1	100	0
100.82		55	CF	4	1	100	0
100.85	62	56	1DQZ	4	1	100	0
100.85		56	CF	4	1	100	0
101.02		56	1DQZ	2	1	100	0
101.02		56	CF	2	1	100	0
101.89		56	2DQZ	2	1	100	0
101.89		56	1HEM	2	1	100	0
101.89		56	CF	2	1	100	0
102.91		41	2DQZ	1	1	100	0
102.91		41	CF	1	1	100	0
103.00		36	1DQZ	4	1	100	0
Bedding offset 2mm							
103.00		36	CF	4	1	100	0
103.43		45	2DQZ	4	1	100	0
Bedding offset 2cm							
103.43		45	VUG	4	1	100	0
103.43		45	1HE	4	1	100	0
103.43		45	CF	4	1	100	0
103.49		45	1DQZ	4	1	100	0
103.49		45	CF	4	1	100	0
103.54		46	1DQZ	4	1	100	0
103.54		46	VUG	4	1	100	0
103.54		46	CF	4	1	100	0
104.05		60	1QZ	1	1	100	0
104.05		60	VN	1	1	100	0
105.22		43	1DQZ	5	1	100	0
105.22		43	CF	5	1	100	0
105.53		42	1DQZ	5	1	100	0
105.53		42	CF	5	1	100	0
105.64		43	1DQZ	5	1	100	0
105.64		43	CF	5	1	100	0
105.88		40	2DQZ	5	1	100	0
105.88		40	OF	5	1	100	0
105.89		55	2DQZ	5	1	100	0
105.89		55	1HE	5	1	100	0
105.89		55	OF	5	1	100	0
105.98		38	1DQZ	5	1	100	0
1mm bedding offset							
105.98		38	CF	5	1	100	0
106.11	61	46	1DQZ	2	1	100	0
106.11		46	CF	2	1	100	0
106.42		42	1DQZ	2	1	100	0
106.42		42	1HE	2	1	100	0
106.42		42	CF	2	1	100	0
110.00		64	1YCY	2	1	100	0
110.00		64	PLB	2	1	100	0
110.00		64	OF	2	1	100	0
110.67		45	1DQZ	2	1	100	0
110.67		45	CF	2	1	100	0
112.60				3	1	100	0
112.84		47	2DQZ	3	1	100	0
13cm zone of dqz + minor He							
112.84		47	1HE	3	1	100	0
112.84		47	VUG	3	1	100	0
112.94		46	2DQZ	3	1	100	0
112.94		46	1HE	3	1	100	0

112.94		46	VUG	3	1	100	0
112.94		46	CF	3	1	100	0
113.31		42	1DQZ	5	1	100	0
	Group of mm dqz fractures cross cutting bedding						
113.31		42	CF	5	1	100	0
113.37		40	1DQZ	5	1	100	0
113.37		40	CF	5	1	100	0
113.41		44	1DQZ	5	1	100	0
113.41		44	CF	5	1	100	0
113.45		43	1DQZ	5	1	100	0
113.45		43	CF	5	1	100	0
113.48		45	1DQZ	5	1	100	0
113.48		45	CF	5	1	100	0
115.06	65	65	1DSG	1	1	100	0
115.06		65	PLB	1	1	100	0
115.06		65	OF	1	1	100	0
116.50		60	1DSG	3	1	100	0
116.50		60	2YCY	3	1	100	0
116.50		60	1WCY	3	1	100	0
116.50		60	OF	3	1	100	0
117.17		60	2DSG	2	1	100	0
117.17		60	1HE	2	1	100	0
117.17		60	2WCY	2	1	100	0
117.17		60	OF	2	1	100	0
117.45		63	1DSG	2	1	100	0
117.45		63	2WCY	2	1	100	0
117.45		63	1YCY	2	1	100	0
117.45		63	OF	2	1	100	0
119.52		79	1DSG	1	1	100	0
119.52		79	2YCY	1	1	100	0
119.52		79	1WCY	1	1	100	0
119.52		79	OF	1	1	100	0
121.40	62			<1	1	100	0
123.19	65			<1	1	100	0
123.20	56			<1	1	100	0
	Cross bedding						
128.70	62			<1	1	100	0
131.30		35	1DQZ	1	1	100	0
131.30		35	CF	1	1	100	0
132.19		15	1DQZ	1	1	100	0
	Fractures irregular; almost along core axis						
132.19		15	CF	1	1	100	0
133.14		5	1DQZ	1	1	100	0
	Fractures irregular; almost along core axis						
133.14		5	OF	1	1	100	0
133.80	58			<1	1	100	0
	Defined by stylolites and Li banding						
134.96	56			<1	1	100	0
	Defined by stylolites and Li banding						
135.75	61			<1	1	100	0
	Defined by stylolites and Li banding						
136.05		30	1QZ	1	1	100	0
	Hairline						
136.05		30	CF	1	1	100	0
137.35		38	1DQZ	2	1	100	0
137.35		38	CF	2	1	100	0
137.65	59	37	1DQZ	2	1	100	0
137.65		37	CF	2	1	100	0
138.74	60			<1	1	100	0
139.90	61			<1	1	100	0
140.94		31	1DQZ	1	1	100	0
140.94		31	CF	1	1	100	0
142.10		30	1DQZ	2	1	100	0
142.10		30	1PY	2	1	100	0
142.10		30	OF	2	1	100	0
142.55		60	2WCY	2	1	100	0
142.55		60	PLB	2	1	100	0
142.55		60	OF	2	1	100	0
144.00	61	15	1YCY	2	1	100	0
144.00		15	CF	2	1	100	0
144.91		50	2HE	2	1	100	0
144.91		50	1WCY	2	1	100	0
144.91		50	OF	2	1	100	0
146.05	63		2ICY	1	1	100	0
	Defined by stylolites						
146.45		33	1HE	1	1	100	0
	Hairline						
146.45		33	CF	1	1	100	0
147.17	61			<1	1	100	0
	Defined by stylolites						
147.17	70			<1	1	100	0
	Cross bedding						
149.15		30	1DQZ	4	1	100	0
149.15		30	CF	4	1	100	0
149.50		29	2DQZ	4	1	100	0

149.50		29	VUG	4	1	100	0
149.50		29	CF	4	1	100	0
149.53		39	1DQZ	4	1	100	0
149.53		39	VUG	4	1	100	0
149.53		39	CF	4	1	100	0
150.72	61			<1	1	100	0
151.00		52	1DQZ	6	1	100	0
151.00		52	VUG	6	1	100	0
151.00		52	CF	6	1	100	0
151.04		50	2DQZ	6	1	100	0
151.04		50	VUG	6	1	100	0
151.04		50	OF	6	1	100	0
151.26		47	1DQZ	6	1	100	0
151.26		47	CF	6	1	100	0
151.80	64			6	1	100	0
	Defined by Li stylolites						
153.10	67			<1	1	100	0
	Defined by Li stylolites						
153.10	51			<1	1	100	0
	Cross bedding						
155.91	61			<1	1	100	0
156.50	61			<1	1	100	0
	Zone of the stylolites from 156.5 to 157m						
157.25	62			<1	1	100	0
	Stylolite zone						
158.30	60			<1	1	100	0
159.40	61			<1	1	100	0
161.26	63			<1	1	100	0
	5cm zone of stylolites						
161.81		64	1DSG	1	1	100	0
161.81		64	2WCY	1	1	100	0
161.81		64	OF	1	1	100	0
161.81		64	PLB	1	1	100	0
163.08	57			<1	1	100	0
	Stylolites						
163.52	59			<1	1	100	0
	Stylolites						
164.43		35	1DQZ	1	1	100	0
	Hairline						
164.43		35	CF	1	1	100	0
166.50	60			<1	1	100	0
	20cm zone of closed Li stylolites						
167.10	61			<1	1	100	0
168.05	59			<1	1	100	0
168.75		21	1LI	13	1	100	0
168.75		21	CF	13	1	100	0
170.45	61			<1	1	100	0
	6cm zone of He\Li stylolites						
172.95	59			<1	1	100	0
173.60	60			<1	1	100	0
174.45	60			<1	1	100	0
176.33	62			<1	1	100	0
178.31	59			<1	1	100	0
179.87	61			<1	1	100	0
181.90	62			<1	1	100	0
183.43		30	2DQZ	6	1	100	0
183.43		30	VUG	6	1	100	0
183.43		30	CF	6	1	100	0
183.48		40	1QZ	6	1	100	0
	Dqz fractures over 2m; 183-185						
183.48		40	CF	6	1	100	0
	Dqz fractures over 2m; 183-185						
183.75		47	2DQZ	6	1	100	0
	Dqz fractures over 2m; 183-185						
183.75		47	1HE	6	1	100	0
	Dqz fractures over 2m; 183-185						
183.75		47	VUG	6	1	100	0
	Dqz fractures over 2m; 183-185						
183.75		47	CF	6	1	100	0
	Dqz fractures over 2m; 183-185						
183.90		50	2DQZ	6	1	100	0
	Dqz fractures over 2m; 183-185						
183.90		50	1HE	6	1	100	0
	Dqz fractures over 2m; 183-185						
183.90		50	VUG	6	1	100	0
	Dqz fractures over 2m; 183-185						
183.90		50	CF	6	1	100	0

	Dqz fractures over 2m; 183-185					
184.20	Dqz fractures over 2m; 183-185	50	1DQZ	6	1	100
184.20	Dqz fractures over 2m; 183-185	50	VUG	6	1	100
184.20	Dqz fractures over 2m; 183-185	50	CF	6	1	100
184.41	60 Dqz fractures over 2m; 183-185	38	1DQZ	6	1	100
184.41	Dqz fractures over 2m; 183-185	38	CF	6	1	100
184.48	Dqz fractures over 2m; 183-185	42	1DQZ	6	1	100
184.48	Dqz fractures over 2m; 183-185	42	CF	6	1	100
184.50	Dqz fractures over 2m; 183-185	40	1DQZ	6	1	100
184.50	Dqz fractures over 2m; 183-185	40	CF	6	1	100
185.07	61	41	1DQZ	5	1	100
185.07		41	CF	5	1	100
185.13		40	2DQZ	5	1	100
185.13		40	OF	5	1	100
185.95		46	1DQZ	5	1	100
185.95		46	OF	5	1	100
186.45		20	1QZ	3	1	100
186.45		20	CF	3	1	100
186.92		40	1DQZ	3	1	100
186.92		40	CF	3	1	100
187.28		59	1SGG	2	1	100
187.28		59	2YCY	2	1	100
187.28		59	PLB	2	1	100
187.28		59	OF	2	1	100
187.96	60 HEB al tn al ong bedding			<1	1	100
190.17	Hai r l i n e	25	1QZ	3	1	100
190.17	Hai r l i n e	25	CF	3	1	100
190.77		45	1QZ	3	1	100
190.77		45	CF	3	1	100
193.50	Event bed; soft sediment deformation? (100cps)			<1	1	100
194.20	61			<1	1	100
196.46	62	62	1SGG	1	1	100
196.46		62	2HE	1	1	100
196.46		62	2WCY	1	1	100
196.46		62	PLB	1	1	100
198.10	62			<1	1	100
200.66	60 Change to shaley unit			<1	1	100
203.05	61			<1	1	100
204.89	60			<1	1	100
205.80	60			<1	1	100
208.90	61			<1	1	100
210.63	60			<1	1	100
212.20	63			<1	1	100
214.46		28	1QZ	9	1	100
214.46		28	2YCY	9	1	100
214.46		28	11CY	9	1	100
214.46		28	CF	9	1	100
214.56		50	2DQZ	9	1	100
214.56		50	2HEB	9	1	100
214.56		50	1HE	9	1	100
214.56		50	1YCY	9	1	100
214.56		50	CF	9	1	100
214.68		40	1DQZ	9	1	100
	Fracture offset 2mm by fracture running irregularly along core axis					
214.68		40	CF	9	1	100
	Fracture offset 2mm by fracture running irregularly along core axis					
218.70	63 Zone of stl ol i t es			<1	1	100
218.70	63 Zone of styl ol i t es			<1	1	100
220.32	59 Zone of styl ol i t es			<1	1	100
222.60	60			<1	1	100

	Zone of stylolites							
224.05	61			<1	1	100	0	
	Zone of stylolites							
225.79	61			<1	1	100	0	
	Zone of stylolites							
228.32	65			<1	1	100	0	
	Defined by stylolites							
229.00	60			<1	1	100	0	
231.34	59			<1	1	100	0	
233.72	62			<1	1	100	0	
236.14		40	2DOZ	2	1	100	0	
236.14		40	1HE	2	1	100	0	
236.14		40	OF	2	1	100	0	
236.81	62			<1	1	100	0	
239.80	60			<1	1	100	0	
	Defined by minor stylolites							
243.53	62			<1	1	100	0	
	Defined by minor stylolites							
245.60	65			<1	1	100	0	
	Defined by minor stylolites							
246.74	60			<1	1	100	0	
246.75	69			<1	1	100	0	
	Cross bedding							
249.00	63			<1	1	100	0	
250.98	64	32	1QZ	1	1	100	0	
250.98		32	CF	1	1	100	0	
251.77		50	CF	1	1	100	0	
251.77		50	1QZ	1	1	100	0	
	hairline fracture							
253.11	59			<1	1	100	0	
	defined by stylolites (bedding)							
255.54		45	1DOZ	1	1	100	0	
255.54		45	CF	1	1	100	0	
255.54		45	VUG	1	1	100	0	
255.54		45	1HE	1	1	100	0	
258.50		59	1DSG	1	1	100	0	
258.50		59	OF	1	1	100	0	
258.50		59	PLB	1	1	100	0	
258.50		59	2WCY	1	1	100	0	
260.51	59			<1	1	100	0	
	defined by stylolites							
263.33		42	1DOZ	1	1	100	0	
	defined by stylolites							
263.33		42	OF	1	1	100	0	
264.93	60	60	2DSG	1	1	100	0	
	clasts up to 15mm (sst?)							
264.93		60	OF	1	1	100	0	
264.93		60	PLB	1	1	100	0	
264.93		60	2WCY	1	1	100	0	
264.93		60	2HE	1	1	100	0	
267.55		10	1DOZ	1	1	100	0	
267.55		10	OF	1	1	100	0	
268.20		62	HBX	7	2	100	0	
	contact with volcanic unit							
268.20		62	CF	7	2	100	0	
268.81				FS	3	100	0	
	flow contact							
269.60				4	2	100	0	
269.83				FS	3	100	0	
271.11		50	HBX	8	2	100	0	
275.00				FS	3	100	0	
277.49				10	2	100	0	
278.39				FS	3	100	0	
278.76				15	2	100	0	
281.74				2	1	100	0	
283.56		55	OF	2	1	100	0	
284.50		21	1QZ	2	1	100	0	
284.50		21	CF	2	1	100	0	
285.52		54	2QZ	2	1	100	0	
285.52		54	CF	2	1	100	0	
288.77		15	1QZ	2	1	100	0	
288.77		15	CF	2	1	100	0	
289.20		21	1QZ	2	1	100	0	
	series of small hairline fractures (quartz fractures)							
289.20		21	CF	2	1	100	0	
289.70		21	CF	6	1	100	0	
289.70		21	2HE	6	1	100	0	
289.70		21	1QZ	6	1	100	0	
	irregular fractures							
289.70		21	VUG	6	1	100	0	

irregular fractures						
289.80	30	1QZ	6	1	100	0
289.80	30	OF	6	1	100	0
289.80	30	1HE	6	1	100	0
289.80	30	1CL	6	1	100	0
290.15	60	3NCL	6	1	100	0
cross cut by quartz fracture						
290.15	60	CF	6	1	100	0
290.16	60	1QZ	6	1	100	0
290.16	60	CF	6	1	100	0
290.32	35	1QZ	6	1	100	0
290.32	35	CF	6	1	100	0
290.94	52	1DQZ	6	1	100	0
290.94	52	OF	6	1	100	0
291.06	41	1QZ	2	1	100	0
291.06	41	OF	2	1	100	0
293.35	27	1QZ	2	1	100	0
293.35	27	OF	2	1	100	0
293.71	14	1QZ	2	1	100	0
fracture runs into radiating crystal pattern (plag?)						
293.71	14	OF	2	1	100	0
293.71	14	2CL	2	1	100	0
296.23	60		2	1	100	0
flow contact						
299.30	60	1HE	2	1	100	0
cooling/thermal fractures						
299.30	60	CF	2	1	100	0
302.25	60	CF	2	1	100	0
302.67	81	2NCL	2	1	100	0
302.67	81	OF	2	1	100	0
302.67	81	2CB	2	1	100	0
303.40	58	2NCL	4	1	100	0
303.40	58	OF	4	1	100	0
303.40	58	2CB	4	1	100	0
303.46	50	1NCL	4	1	100	0
303.46	50	OF	4	1	100	0
303.46	50	2CB	4	1	100	0
303.60	11	1CL	4	1	100	0
303.60	11	OF	4	1	100	0
303.60	11	2CB	4	1	100	0
303.92	40	1CB	4	1	100	0
303.92	40	CF	4	1	100	0
303.92	40	1CL	4	1	100	0
304.17	40	1CB	3	1	100	0
304.17	40	CF	3	1	100	0
304.17	40	1CL	3	1	100	0
304.56	75	2NCL	3	1	100	0
304.56	75	CF	3	1	100	0
304.56	75	1CB	3	1	100	0
304.72	41	2CB	3	1	100	0
304.72	41	CF	3	1	100	0
304.72	41	1QZ	3	1	100	0
304.72	41	1HE	3	1	100	0
304.72	41	1CL	3	1	100	0
305.85	20	1CB	1	1	100	0
305.85	20	CF	1	1	100	0
305.85	20	1CL	1	1	100	0
306.51	40	2CB	2	1	100	0
306.51	40	OF	2	1	100	0
306.51	40	1HE	2	1	100	0
306.51	40	1QZ	2	1	100	0
306.65	34	1CL	2	1	100	0
306.65	34	OF	2	1	100	0
307.42	34	1QZ	1	1	100	0
trace of YCY SPOT in Quartz fracture						
307.42	34	CF	1	1	100	0
307.42	34	1CB	1	1	100	0
310.20	20	2CL	2	1	100	0
310.20	20	OF	2	1	100	0
311.23	25	OF	4	1	100	0
311.23	25	2CL	4	1	100	0
311.57	14	2CL	4	1	100	0
311.57	14	OF	4	1	100	0
311.93	29	2CB	4	1	100	0
fractures cross cut each other with no apparent effect						
311.93	29	CF	4	1	100	0
311.93	29	1HE	4	1	100	0
311.94	55	2CB	4	1	100	0
311.94	55	CF	4	1	100	0
311.94	55	1HE	4	1	100	0
313.90	45	2CL	2	1	100	0
313.90	45	OF	2	1	100	0
313.90	45	2CB	2	1	100	0
315.17	39	2CB	3	1	100	0
315.17	39	CF	3	1	100	0
315.17	39	1CL	3	1	100	0
315.22	38	2CB	3	1	100	0
315.22	38	CF	3	1	100	0
316.62	44	1CL	1	1	100	0
316.62	44	OF	1	1	100	0

316.62	44	1CB	1	1	100	0
318.45	15	2CL	3	1	100	0
318.45	15	OF	3	1	100	0
318.46	75	1CB	3	1	100	0
318.46	75	CF	3	1	100	0
318.46	75	1QZ	3	1	100	0
318.46	75	1CL	3	1	100	0
319.75	19	1QZ	2	1	100	0
319.75	19	CF	2	1	100	0
319.75	19	1HE	2	1	100	0
319.75	19	1CB	2	1	100	0
320.74	15	1CB	2	1	100	0
320.74	15	CF	2	1	100	0
321.26	20	CF	2	1	100	0
321.26	20	1CB	2	1	100	0
322.33	19	1CB	2	1	100	0
322.33	19	CF	2	1	100	0
322.33	19	1CL	2	1	100	0
323.49	40	2CL	2	1	100	0
323.49	40	OF	2	1	100	0
324.07	57	2NCL	3	1	100	0
324.07	57	OF	3	1	100	0
324.07	57	2CB	3	1	100	0
324.30	60	2NCL	3	1	100	0
324.30	60	OF	3	1	100	0
324.30	60	1CB	3	1	100	0
325.43	8	2CB	1	1	100	0
1cm wide fracture sub // to core axis						
325.43	8	CF	1	1	100	0
325.43	8	1QZ	1	1	100	0
325.43	8	1NCL	1	1	100	0
326.47	60	2CL	1	1	100	0
326.47	60	OF	1	1	100	0
328.00	58	2CL	1	1	100	0
328.00	58	OF	1	1	100	0
329.84	25	2CB	1	1	100	0
329.84	25	CF	1	1	100	0
329.84	25	1NCL	1	1	100	0
330.27	30	1CB	2	1	100	0
330.27	30	OF	2	1	100	0
330.27	30	2CL	2	1	100	0
330.54	55	2NCL	2	1	100	0
330.54	55	CF	2	1	100	0
331.29	60	CF	3	1	100	0
331.29	60	1CB	3	1	100	0
331.29	60	2NCL	3	1	100	0
331.76	40	1CB	3	1	100	0
331.76	40	CF	3	1	100	0
331.76	40	1HE	3	1	100	0
331.76	40	1QZ	3	1	100	0
331.85	41	2CL	3	1	100	0
331.85	41	OF	3	1	100	0
331.85	41	2HE	3	1	100	0
331.85	41	1CPY	3	1	100	0
333.80	60	2CL	1	1	100	0
333.80	60	OF	1	1	100	0
335.54	46	1QZ	1	1	100	0
335.54	46	CF	1	1	100	0
337.24	55	2CL	2	1	100	0
337.24	55	OF	2	1	100	0
337.73	41	1QZ	2	1	100	0
337.73	41	CF	2	1	100	0
337.73	41	1CL	2	1	100	0
339.44	46	1CB	1	1	100	0
339.44	46	1QZ	1	1	100	0
339.44	46	1CL	1	1	100	0
339.44	46	CF	1	1	100	0
339.84	26	1CB	1	1	100	0
carbonate lining on fracture margin						
339.84	26	CF	1	1	100	0
339.84	26	1QZ	1	1	100	0
339.84	26	1HE	1	1	100	0
339.99	52	1CB	1	1	100	0
339.99	52	CF	1	1	100	0
339.99	52	1QZ	1	1	100	0
339.99	52	1NCL	1	1	100	0
340.08	50	1CB	2	1	100	0
340.08	50	CF	2	1	100	0
340.08	50	1QZ	2	1	100	0
340.25	60	2CL	2	1	100	0
340.25	60	OF	2	1	100	0
340.39	55	2CB	2	1	100	0
340.39	55	1CL	2	1	100	0
340.39	55	1HE	2	1	100	0
341.33	45	2CL	3	1	100	0
341.33	45	OF	3	1	100	0
341.33	45	1CB	3	1	100	0
341.75	40	1CB	15	1	100	0
341.75	40	2CL	15	1	100	0
many hairline irregular chlorite fractures from 341.7 to 344.1 m						
342.17	40	2CL	15	1	100	0
342.43	35	2CB	15	1	100	0
342.43	35	CF	15	1	100	0
342.43	35	1HE	15	1	100	0

342.43	35	1CL	15	1	100	0
342.85	41	2CL	15	1	100	0
342.85	41	OF	15	1	100	0
342.85	41	2CB	15	1	100	0
343.07	39	2CL	15	1	100	0
343.07	39	OF	15	1	100	0
343.16	40	2CL	15	1	100	0
343.16	40	OF	15	1	100	0
343.37	42	OF	15	1	100	0
343.37	42	2CL	15	1	100	0
343.37	42	SSK	15	1	100	0
slickensides trending approximately 300 AZIM						
343.54	35	2CB	15	1	100	0
343.54	35	OF	15	1	100	0
343.54	35	1CL	15	1	100	0
343.66	40	2CB	15	1	100	0
343.66	40	CF	15	1	100	0
343.66	40	1CL	15	1	100	0
344.10	38	2CB	15	1	100	0
344.10	38	OF	15	1	100	0
344.10	38	SSK	15	1	100	0
344.10	38	2CL	15	1	100	0
344.10	38	1HE	15	1	100	0
345.27	25	2CB	BC	1	100	0
slickensides on most surfaces with chlorite (set of 5-6 stretchmarks? like carbonate fractures)						
345.27	25	OF	BC	1	100	0
345.27	25	2CL	BC	1	100	0
345.27	25	SSK	BC	1	100	0
345.30	2	SSK	15	1	100	0
345.30	2	OF	15	1	100	0
345.32	50	3CL	15	1	100	0
345.32	50	SSK	15	1	100	0
345.32	50	OF	15	1	100	0
345.35	25	OF	15	1	100	0
345.40	25	SSK	15	1	100	0
345.40	25	3CL	15	1	100	0
345.70	25	3CL	15	1	100	0
345.70	25	OF	15	1	100	0
345.70	25	SSK	15	1	100	0
345.75	45	SSK	15	1	100	0
345.75	45	OF	15	1	100	0
345.75	45	3CL	15	1	100	0
346.00	10	3CL	15	1	100	0
346.00	10	OF	15	1	100	0
346.00	10	1R	15	1	100	0
346.00	10	2CB	15	1	100	0
346.00	10	SSK	15	1	100	0
346.70	50	1GG	15	1	100	0
346.70	50	3CL	15	1	100	0
346.70	50	OF	15	1	100	0
346.70	50	SSK	15	1	100	0
346.70	50	2CB	15	1	100	0
346.90	26	2CL	15	1	100	0
346.90	26	OF	15	1	100	0
347.15	20	3CL	15	1	100	0
347.15	20	OF	15	1	100	0
347.15	20	SSK	15	1	100	0
347.35	10	2CL	15	1	100	0
347.35	10	2CB	15	1	100	0
347.35	10	SSK	15	1	100	0
348.00	42	1CB	15	1	100	0
348.00	42	2CL	15	1	100	0
348.00	42	OF	15	1	100	0
348.30	8	OF	15	1	100	0
348.30	8	SSK	15	1	100	0
348.30	8	3CL	15	1	100	0
348.35	46	SSK	BC	1	100	0
348.35	46	3CL	BC	1	100	0
348.35	46	OF	BC	1	100	0
348.60	37	3CL	BC	1	100	0
348.60	37	OF	BC	1	100	0
348.60	37	SSK	BC	1	100	0
348.90	34	3CB	BC	1	100	0
3cm wide brecciated fracture (carbonate-filled)						
348.90	34	BX	BC	1	100	0
348.90	34	CF	BC	1	100	0
349.50	10	3CL	BC	1	100	0
349.50	10	SSK	BC	1	100	0
349.50	10	OF	BC	1	100	0
349.60	20	3CL	BC	1	100	0
349.60	20	SSK	BC	1	100	0
349.60	20	OF	BC	1	100	0
350.20	45	3CL	BC	1	100	0
350.20	45	1GG	BC	1	100	0
350.20	45	SSK	BC	1	100	0
350.35	30	2CL	BC	1	100	0
350.35	30	SSK	BC	1	100	0
350.35	30	OF	BC	1	100	0
350.75	25	3QZ	HX	1	100	0
350.75	25	BX	HX	1	100	0
350.75	25	3CB	HX	1	100	0
350.75	25	OF	HX	1	100	0
350.80	2	BX	BX	2	100	0
350.80	2	FT	BX	2	100	0

350.80	2	3GG	BX	2	100	0
350.80	2	OF	BX	2	100	0
350.90			<1	1	100	0
354.40	34	2CB	1	1	100	0
354.40	34	CF	1	1	100	0
354.40	34	2PY	1	1	100	0
2mm cubic crystals; possibly chalcopyrite??						
355.00	35	1CB	2	1	100	0
355.00	35	CF	2	1	100	0
355.40	50	OF	2	1	100	0
356.20	30	2CB	2	1	100	0
356.20	30	CF	2	1	100	0
356.20	30	2PY	2	1	100	0
2.5mm cubic crystals of pyrite						
356.22	55	2CB	2	1	100	0
cross cutting veins of carbonate						
356.22	55	CF	2	1	100	0
356.22	55	2PY	2	1	100	0
356.90	35	1CB	<1	1	100	0
356.90	35	CF	<1	1	100	0
358.00	28	2CB	<1	1	100	0
358.00	28	CF	<1	1	100	0
358.20	24	2CB	<1	1	100	0
358.20	24	CF	<1	1	100	0
359.15	26	2CL	<1	1	100	0
359.15	26	OF	<1	1	100	0
360.60	33	2CB	6	1	100	0
360.60	33	CF	6	1	100	0
360.62	33	2CB	6	1	100	0
360.62	33	CF	6	1	100	0
360.70	33	2CB	<1	1	100	0
360.70	33	CF	<1	1	100	0
365.60	57	2OZ	3	1	100	0
365.60	57	OF	3	1	100	0
365.60	57	1CB	3	1	100	0
365.90	50	2OZ	1	1	100	0
365.90	50	OF	1	1	100	0
365.90	50	1CB	1	1	100	0
366.90	38	2CB	<1	1	100	0
366.90	38	2PY	1	1	100	0
Au colored pyrite (very fresh)						
366.90	38	OF	1	1	100	0
369.00	6	2CB	4	1	100	0
369.00	6	OF	4	1	100	0
369.15	32	2CB	4	1	100	0
369.15	32	OF	4	1	100	0
369.20	30	HBX	4	1	100	0
369.20	30	2PY	4	1	100	0
369.20	30	BX	4	1	100	0
369.20	30	CF	4	1	100	0
369.20	30	2CB	4	1	100	0
369.80	34	OF	4	1	100	0
370.20	36	OF	1	1	100	0
370.20	36	2NCL	1	1	100	0
372.40	43	2CB	1	1	100	0
372.40	43	CF	1	1	100	0
373.90	55	BX	1	1	100	0
flow contact (breccia)						
375.20	50	HBX	<1	1	100	0
Kurt's T/S						
375.20	50	3CB	<1	1	100	0
375.20	50	3OZ	<1	1	100	0
375.20	50	CF	<1	1	100	0
377.10	58	2NCL	<1	1	100	0
377.10	58	OF	<1	1	100	0
379.00	5	1CB	<1	1	100	0
thin stringer veins of carbonate						
379.00	5	CF	<1	1	100	0
380.40	40	1CB	<1	1	100	0
380.40	40	CF	<1	1	100	0
383.10	30	OF	<1	1	100	0
384.25	42	2PY	<1	1	100	0
384.25	42	OF	<1	1	100	0
384.25	42	2OZ	<1	1	100	0
384.25	42	2CL	<1	1	100	0
384.25	42	DSK	<1	1	100	0
weak slickensides developed						
384.27	12	1OZ	<1	1	100	0
quartz stringers sub vertical truncated by 2OZ fractures at 384.25m						
384.27	12	CF	<1	1	100	0
384.50	30	HBX	HX	1	100	0
Kurt's T/S mislabelled (385.5 should be 384.5m)						
384.50	30	2OZ	HX	1	100	0
384.50	30	1HE	HX	1	100	0
385.90			<1	1	100	0
388.80			3	1	100	0
389.10	22	1GG	3	1	100	0

389.10		22	20Z	3	1	100	0	
389.10		22	2CL	3	1	100	0	
389.10		22	OF	3	1	100	0	
389.10	tiny cubic crystal of pyrite	22	1PY	3	1	100	0	
389.70		50	1GG	3	1	100	0	
389.70		50	BX	3	1	100	0	
389.70		50	2GCY	3	1	100	0	
389.70		50	20Z	3	1	100	0	
389.70		50	OF	3	1	100	0	
390.20		48	1GCY	3	1	100	0	
390.20		48	OF	3	1	100	0	
390.20		48	DSK	3	1	100	0	
390.80				BC	2	100	0	
390.90					2	1	100	0
391.00		50	HBX	2	1	100	0	
	chlorite filled 15mm wide breccia zone (healed)							
391.00		50	3CL	2	1	100	0	
392.00		39	1QZ	1	1	100	0	
392.00		39	OF	1	1	100	0	
392.00		39	1PY	1	1	100	0	
393.30		38	1QZ	3	1	100	0	
393.30		38	CF	3	1	100	0	
394.00		26	1QZ	3	1	100	0	
394.00		26	CF	3	1	100	0	
394.20		0	2HE	1	1	100	0	
394.20		0	20Z	1	1	100	0	
394.20		0	CF	1	1	100	0	
395.15		55	2HE	2	1	100	0	
395.15		55	OF	2	1	100	0	
395.75		55	2HE	2	1	100	0	
	10R3/3							
395.75		55	OF	2	1	100	0	
396.20		55	2HE	2	1	100	0	
396.20		55	OF	2	1	100	0	
396.75		8	1QZ	2	1	100	0	
396.75		8	CF	2	1	100	0	
396.85		23	1QZ	2	1	100	0	
396.85		23	CF	2	1	100	0	
398.70		10	HBX	2	1	100	0	
	3-5mm wide healed breccia							
398.70		10	20Z	2	1	100	0	
398.70		10	3HE	2	1	100	0	
398.70		10	CF	2	1	100	0	
399.60		20	2HE	2	1	100	0	
399.60		20	OF	2	1	100	0	
400.10		12	2HE	2	1	100	0	
400.10		12	CF	2	1	100	0	
400.60		6	2NCL	2	1	100	0	
400.60		6	CF	2	1	100	0	
401.10		10	2NCL	6	1	100	0	
401.10		10	CF	6	1	100	0	
401.20		15	2HE	6	1	100	0	
401.20		15	1QZ	6	1	100	0	
401.20		15	CF	6	1	100	0	
401.30		2	2NCL	6	1	100	0	
401.30		2	OF	6	1	100	0	
401.80		10	3NCL	10	1	100	0	
	3mm wide black chlorite filled fracture							
401.80		10	OF	10	1	100	0	
401.85		5	3NCL	10	1	100	0	
401.85		5	CF	10	1	100	0	
402.10		8	3NCL	10	1	100	0	
402.10		8	CF	10	1	100	0	
402.10		8	OF	10	1	100	0	
402.10		8	20Z	10	1	100	0	
402.10		8	SSK	10	1	100	0	
402.80		10	2NCL	10	1	100	0	
402.80		10	CF	10	1	100	0	
402.80		10	1QZ	10	1	100	0	
403.70				3	2	100	0	
404.00				FS	3	100	0	
405.00				FS	4	100	0	
405.20				BC	2	100	0	
405.30	60	60	2GCY	HX	1	100	0	
405.30		60	OF	HX	1	100	0	
405.30		60	1PY	HX	1	100	0	
405.60		8	BX	HX	1	100	0	
405.60		8	20Z	HX	1	100	0	
405.60		8	1WCY	HX	1	100	0	
405.60		8	CF	HX	1	100	0	
405.60		8	OF	HX	1	100	0	
405.80		10	BX	7	1	100	0	
405.80		10	2WCY	7	1	100	0	
405.80		10	1DQZ	7	1	100	0	
405.80		10	OF	7	1	100	0	
406.00		38	1QZ	<1	1	100	0	
406.00		38	SH	<1	1	100	0	
406.00		38	1DQZ	<1	1	100	0	
406.00		38	CF	<1	1	100	0	
406.20	62			<1	1	100	0	
406.90		30	OF	<1	1	100	0	

407.60	58	8	1DOZ	<1	1	100	0
407.60		8	CF	<1	1	100	0
407.60		8	1QZ	<1	1	100	0
409.00	58	15	OF	<1	1	100	0
410.00	53			<1	1	100	0
411.30				HX	1	100	0
411.50		35	HBX	<1	1	100	0
411.50		35	1DOZ	<1	1	100	0
411.50		35	BX	<1	1	100	0
411.50		35	CF	<1	1	100	0
413.35	60	3	1DOZ	<1	1	100	0
413.35		3	CF	<1	1	100	0
413.35		3	HBX	<1	1	100	0
415.00	60	10	1DOZ	<1	1	100	0
415.00		10	CF	<1	1	100	0
416.00	65			<1	1	100	0
417.60				HX	1	100	0
418.00				<1	1	100	0

6. Remark Information - General

Depth
(metres)

----- No General Remark Information for this hole.

7. Hydrothermal Alteration Information

Depth (metres) From - To	Strat	Hydrothermal Alteration Intensity	Type	Distrib	Percent %
0.80 - 2.40		3	LI	PERV	80.0
0.80 - 2.40		2	CY	PERV	80.0
2.40 - 4.30		2	CY	PERV	5.0
2.40 - 4.30		3	HE	PERV	60.0
2.40 - 4.30		2	WCY	PERV	30.0
2.40 - 4.30		2	LI	SURF	15.0
4.30 - 5.00		2	HE	PERV	80.0
4.30 - 5.00		2	BH	IRR	20.0
5.00 - 6.60		1	LI	PERV	90.0
5.00 - 6.60		1	HE	BED	20.0
6.60 - 8.00		2	LI	PERV	90.0
8.00 - 9.00		1	LI	PERV	25.0
8.00 - 9.00		1	BH	PERV	50.0
9.00 - 13.00		1	LI	PERV	15.0
9.00 - 13.00		2	HEB	BED	15.0
9.00 - 13.00		1	HE	PERV	35.0
9.00 - 13.00		2	HE	MOT	10.0
13.00 - 15.30		3	BH	PERV	40.0
13.00 - 15.30		2	BH	IRR	45.0
13.00 - 15.30		2	HE	MOT	60.0
15.30 - 19.30		2	HE	MOT	70.0
15.30 - 19.30		2	BH	MOT	70.0
19.30 - 20.50		3	BH	PERV	90.0
19.30 - 20.50		1	HE	MOT	30.0
19.30 - 20.50		1	SIL	PERV	40.0
20.50 - 23.75		2	HE	MOT	65.0
20.50 - 23.75		2	BH	MOT	50.0
23.75 - 27.23		3	BH	PERV	90.0
23.75 - 27.23		2	HE	MOT	15.0
23.75 - 27.23		1	SIL	PERV	80.0
27.23 - 28.30		2	LI	PERV	90.0
27.23 - 28.30		2	HE	MOT	3.0
27.23 - 28.30		1	HE	BED	10.0
27.23 - 28.30		2	BH	PERV	25.0
28.30 - 30.30		3	BH	PERV	85.0
28.30 - 30.30		1	SIL	PERV	60.0
28.30 - 30.30		1	LI	PERV	15.0
28.30 - 30.30		1	HE	PERV	30.0
30.30 - 32.00		2	LI	PERV	80.0
30.30 - 32.00		2	HEB	BED	5.0
30.30 - 32.00		2	BH	PERV	60.0
30.30 - 32.00		2	HE	MOT	10.0
30.30 - 32.00		3	BH	MOT	15.0
32.00 - 34.60		3	HE	PERV	15.0
32.00 - 34.60		1	LI	PERV	40.0
32.00 - 34.60		2	HE	BED	30.0
32.00 - 34.60		2	HEB	BED	3.0
32.00 - 34.60		2	BH	MOT	15.0
32.00 - 34.60		3	BH	PERV	50.0
34.60 - 36.60		3	HE	PERV	40.0
34.60 - 36.60		1	LI	PERV	30.0
34.60 - 36.60		3	BH	PERV	25.0
34.60 - 36.60		2	BH	MOT	15.0
34.60 - 36.60		2	HEB	MOT	10.0
36.60 - 38.20		2	HEB	MOT	10.0
36.60 - 38.20		3	HE	BED	40.0
36.60 - 38.20		2	HE	MOT	30.0
36.60 - 38.20		3	BH	MOT	30.0
36.60 - 38.20		2	BH	PERV	25.0
38.20 - 39.50		2	LI	PERV	60.0
38.20 - 39.50		3	HE	MOT	15.0
38.20 - 39.50		2	BH	MOT	25.0

38.20 -	39.50	2	HEB	BED	3.0
39.50 -	40.60	3	LI	BED	15.0
39.50 -	40.60	3	HE	BED	65.0
39.50 -	40.60	1	SI L	I RR	60.0
39.50 -	40.60	1	HEB	BED	60.0
40.60 -	41.70	2	HEB	MOT	40.0
40.60 -	41.70	3	LI	PERV	70.0
40.60 -	41.70	2	BH	MOT	20.0
40.60 -	41.70	3	BH	PERV	65.0
40.60 -	41.70	2	HE	MOT	20.0
41.70 -	44.00	2	YCY	SPOT	1.0
41.70 -	44.00	2	HEB	BED	40.0
41.70 -	44.00	3	BH	PERV	75.0
41.70 -	44.00	1	SI L	PERV	40.0
41.70 -	44.00	2	HE	MOT	30.0
44.00 -	48.50	2	SI L	PERV	90.0
44.00 -	48.50	3	BH	PERV	95.0
44.00 -	48.50	2	HE	MOT	10.0
48.50 -	49.50	3	LI	PERV	90.0
48.50 -	49.50	2	HE	PAT	10.0
48.50 -	49.50	2	HEB	SPOT	1.0
48.50 -	49.50	2	BH	I RR	40.0
49.50 -	50.70	2	HE	MOT	30.0
49.50 -	50.70	3	BH	PERV	70.0
49.50 -	50.70	2	BH	MOT	20.0
49.50 -	50.70	2	SI L	PERV	80.0
50.70 -	51.10	3	LI	PERV	90.0
50.70 -	51.10	1	SI L	PERV	60.0
50.70 -	51.10	2	HE	MOT	80.0
50.70 -	51.10	2	BH	PAT	50.0
51.10 -	54.10	3	BH	PERV	90.0
51.10 -	54.10	2	HE	MOT	10.0
51.10 -	54.10	2	BH	MOT	10.0
51.10 -	54.10	2	SI L	PERV	90.0
54.10 -	55.50	2	HE	PERV	85.0
54.10 -	55.50	2	HEB	BED	25.0
54.10 -	55.50	1	SI L	PERV	80.0
54.10 -	55.50	2	BH	BED	40.0
54.10 -	55.50	3	BH	MOT	40.0
55.50 -	59.00	3	BH	PERV	100.0
55.50 -	59.00	2	SI L	PERV	75.0
55.50 -	59.00	2	LI	BED	5.0
55.50 -	59.00	3	LI	PERV	15.0
59.00 -	60.10	2	HE	MOT	65.0
59.00 -	60.10	3	BH	PERV	40.0
59.00 -	60.10	2	BH	MOT	30.0
60.10 -	60.95	2	LI	PERV	100.0
60.10 -	60.95	3	LI	BED	40.0
60.10 -	60.95	3	BH	PERV	80.0
60.95 -	67.20	3	BH	PERV	85.0
60.95 -	67.20	2	HE	MOT	45.0
60.95 -	67.20	3	HE	MOT	10.0
60.95 -	67.20	2	SI L	PERV	65.0
67.20 -	67.25	2	LI	BN	50.0
67.20 -	67.25	3	HE	BN	50.0
67.25 -	75.82	2	HE	MOT	55.0
67.25 -	75.82	3	BH	MOT	75.0
67.25 -	75.82	2	SI L	PERV	75.0
67.25 -	75.82	2	YCY	SPOT	3.0
75.82 -	83.70	2	HEB	BED	40.0
75.82 -	83.70	2	LI	BED	30.0
75.82 -	83.70	3	HE	PERV	30.0
75.82 -	83.70	3	LI	PERV	20.0
75.82 -	83.70	2	YCY	WDI S	25.0
75.82 -	83.70	2	BH	I RR	40.0
83.70 -	89.00	3	BH	PERV	100.0
83.70 -	89.00	2	HE	MOT	10.0
83.70 -	89.00	2	LI	BED	20.0
83.70 -	89.00	1	YCY	WDI S	10.0
83.70 -	89.00	1	WCY	WDI S	10.0
83.70 -	89.00	2	HEB	BED	5.0
89.00 -	95.00	2	LI	PERV	40.0
89.00 -	95.00	3	HE	PAT	25.0
89.00 -	95.00	3	BH	PERV	60.0
89.00 -	95.00	2	BH	MOT	30.0
89.00 -	95.00	2	HEB	BED	7.0
95.00 -	97.68	2	HEB	PAT	10.0
95.00 -	97.68	1	SI L	PERV	40.0
95.00 -	97.68	2	BH	PERV	60.0
97.68 -	99.58	3	HE	MOT	60.0
97.68 -	99.58	2	BH	MOT	50.0
97.68 -	99.58	2	HEB	PAT	10.0
99.58 -	114.00	3	HE	PERV	90.0
99.58 -	114.00	1	SI L	FRAC	30.0
99.58 -	114.00	2	SI L	PERV	50.0
99.58 -	114.00	2	HE	SPOT	10.0
99.58 -	114.00	2	LI	BED	45.0
99.58 -	114.00	2	HE	MOT	30.0
114.00 -	116.56	3	HE	MOT	80.0
114.00 -	116.56	2	HE	BN	45.0
114.00 -	116.56	2	LI	BED	15.0
114.00 -	116.56	2	BH	MOT	35.0
114.00 -	116.56	2	YCY	I NT	45.0
114.00 -	116.56	1	WCY	I NT	30.0
116.56 -	119.92	2	HE	PERV	70.0
116.56 -	119.92	2	LI	PERV	45.0
116.56 -	119.92	2	BH	MOT	55.0

116.56 - 119.92	3	LI	BED	15.0
116.56 - 119.92	2	YCY	INT	75.0
116.56 - 119.92	2	WCY	INT	45.0
119.92 - 130.15	3	HE	PERV	70.0
119.92 - 130.15	3	BH	MOT	65.0
119.92 - 130.15	2	HE	MOT	40.0
119.92 - 130.15	2	YCY	INT	90.0
130.15 - 134.34	2	LI	BED	40.0
130.15 - 134.34	2	SIL	PERV	60.0
130.15 - 134.34	3	BH	PERV	90.0
130.15 - 134.34	1	HE	MOT	25.0
134.34 - 155.97	1	SIL	PERV	65.0
134.34 - 155.97	3	HE	MOT	55.0
134.34 - 155.97	2	LI	PERV	10.0
134.34 - 155.97	2	WCY	INT	70.0
134.34 - 155.97	3	BH	PERV	75.0
134.34 - 155.97	2	BH	MOT	45.0
134.34 - 155.97	2	SIL		0.0
155.97 - 159.60	2	HEB	BED	75.0
155.97 - 159.60	3	BH	MOT	45.0
155.97 - 159.60	3	HE	MOT	40.0
155.97 - 159.60	2	BH	PERV	65.0
159.60 - 186.50	3	HE	MOT	60.0
159.60 - 186.50	3	BH	PERV	75.0
159.60 - 186.50	2	BH	MOT	55.0
159.60 - 186.50	2	LI	PERV	20.0
159.60 - 186.50	2	HEB	BED	5.0
186.50 - 200.65	3	HEB	PERV	10.0
186.50 - 200.65	2	HEB	BED	4.0
186.50 - 200.65	2	LI	PERV	15.0
186.50 - 200.65	3	HE	MOT	70.0
186.50 - 200.65	3	BH	PERV	65.0
186.50 - 200.65	2	BH	MOT	40.0
186.50 - 200.65	1	SIL	PERV	40.0
200.65 - 201.40	3	LI	PERV	25.0
200.65 - 201.40	3	HE	PERV	75.0
201.40 - 250.00	3	BH	PERV	75.0
201.40 - 250.00	3	HE	MOT	60.0
201.40 - 250.00	2	HEB	IRR	10.0
201.40 - 250.00	2	LI	PERV	20.0
201.40 - 250.00	2	HE	PERV	20.0
201.40 - 250.00	2	YCY	INT	50.0
201.40 - 250.00	2	WCY	INT	60.0
250.00 - 268.20	1	SIL	PERV	90.0
250.00 - 268.20	3	HE	PERV	55.0
250.00 - 268.20	2	HE	MOT	40.0
250.00 - 268.20	3	BH	PERV	65.0
250.00 - 268.20	2	HEB	SPOT	2.0
250.00 - 268.20	2	BH	PAT	40.0
250.00 - 268.20	2	YCY	INT	3.0
268.20 - 280.02	3	HE	PERV	95.0
268.20 - 280.02	2	CL	BIR	3.0
268.20 - 280.02	2	OZ	AMYG	25.0
268.20 - 280.02	2	GXX	AMYG	10.0
268.20 - 280.02	3	BH		0.0
280.02 - 282.28	2	CL	PERV	50.0
280.02 - 282.28	2	HE	MATR	50.0
280.02 - 282.28	3	CL	AMYG	5.0
282.28 - 299.54	2	HE	MATR	80.0
282.28 - 299.54	2	NCL	AMYG	15.0
282.28 - 299.54	2	OZ	AMYG	8.0
282.28 - 299.54	2	CL	AMYG	15.0
299.54 - 341.00	1	NA	PERV	100.0
341.00 - 351.88	2	CL	DISS	75.0
341.00 - 351.88	2	HE	DISS	25.0

Zone from 341.8 to 351.0m: structural zone characterized by intense brittle fracturing, slickensides, chloritization on fracture surfaces and carbonate/quartz veining and fracture filling. Lower contact is associated with a 5-6cm wide quartz vein with associated breccia

351.88 - 369.30	1	NA	PERV	100.0
369.30 - 370.50	2	CL	PERV	80.0
370.50 - 373.70	2	HE	PERV	70.0

Hematite alteration is related to thermal cracking

373.70 - 379.00	2	HE	MATR	95.0
373.70 - 379.00	3	CL	AMYG	10.0
379.00 - 383.00	1	HE	MATR	80.0
383.00 - 385.00	1	NA	PERV	100.0
385.00 - 389.00	2	HE	MATR	80.0
385.00 - 389.00	2	CL	AMYG	10.0
389.00 - 401.40	3	CL	MATR	20.0
389.00 - 401.40	2	CL	MATR	50.0
389.00 - 401.40	2	HE	IRR	20.0
401.40 - 404.00	2	CL	PERV	95.0
401.40 - 404.00	3	HE	FRAC	2.0
404.00 - 405.00	3	CL	PERV	90.0
404.00 - 405.00	2	HE	PERV	10.0
404.00 - 405.00	2	CY	STRT	10.0
405.00 - 407.25	1	HE	BIR	90.0

desilicified zone possibly related to hornfelsing of sandstone by volcanic flows; note color and lack of pervasive silicification

405.00 - 407.25	2	BH	BIR	90.0
405.00 - 407.25	1	WCY	INT	90.0
405.00 - 407.25	2	SIL		0.0
405.00 - 407.25	3	BH		0.0
407.25 - 419.00	3	BH	BIR	20.0

407.25 - 419.00	2	BH	BI R	80.0
407.25 - 419.00	1	HE	BI R	80.0
407.25 - 419.00	3	SIL	BI R	10.0
intense silification preferentialy along bedding planes				
407.25 - 419.00	2	SIL	BI R	80.0
407.25 - 419.00	1	WCY	WDIS	20.0
407.25 - 419.00	1	SIL	IRR	10.0

June 22, 1999

Report for Deaf Adder Project - Drill Hole DAD-0002

1. Drill Hole Information

Drill Hole (DDH#):	DAD-0002				
Grid Name:	Flyi ng Ghost		Total Hole Depth:	794.00 metres	
Disposi tion:	EL 5061		Casi ng Depth:	0.00 metres	
NTS Number:			Water Depth:	0.00 metres	
Hole Logged By:	Garth Drever		Overburden Depth:	0.00 metres	
Company Name:	Cameco Australia				
Contractor:	Century Drilling				
Date Started:	August 20, 1998		Rating:		
Date Completed:	August 26, 1998		Core Si ze:	NO-BQ	
Date Logged:	August 26, 1998		Grid Angle:	0 degrees	
Collar Grid Coordinates:	0+00 North,	0+00 East	Collar Elevation:	319.78 metres	
Collar UTM Coordinates:	8530051 North,	318092 East	Land Surface Elevation:	319.78 metres	
Collar Survey Coordinates:	0.000 North,	0.000 East	Elevati on Relati ve to:	OMNI STAR	
Collar Computed Coordinates:	0.000 North,	0.000 East	Elevati on Determined by:	DUMPY LEVEL	

2. Orientation Information

Depth (metres)	Azimuth (degrees)	Inclination (degrees)	Act Depth (metres)	Computed Surface North	Coordinates East	Deviation Test	Recorded By
0.00	350.0	-80.0	0.00	0.00	0.00	level	
14.00	351.0	-79.0	13.74	2.64	-0.42	camera shot	
60.00	351.0	-79.0	58.90	11.31	-1.79	camera shot	
100.00	352.0	-79.0	98.16	18.87	-2.85	camera shot	
250.00	3.0	-79.0	245.41	47.45	-1.36	camera shot	
353.00	5.0	-80.0	346.84	65.27	0.20	camera shot	
401.00	6.0	-80.0	394.11	73.56	1.07	camera shot	
461.00	5.0	-80.0	453.20	83.93	1.98	camera shot	
512.00	21.0	-80.0	503.43	92.20	5.16	camera shot	
575.00	29.0	-78.0	565.05	103.66	11.51	camera shot	
600.00	350.0	-80.0	589.67	107.93	10.75		
632.00	36.0	-78.0	620.97	113.32	14.66	camera shot	
683.00	37.0	-77.0	670.66	122.48	21.57	camera shot	
737.00	41.0	-77.0	723.28	131.65	29.54	camera shot	
793.50	46.0	-76.0	778.10	141.14	39.37	camera shot	

3. Lithology Information - General

[illegible]

253.70 - 255.60	2RA 2GA massive; amygdul es	5.00	10.00	100	AM	M AM			MVAM
255.60 - 256.90	2RA 2GA massive; weak amygdul es; trace phenocrysts	1.00	10.00	100	MX	W AM	T PN		MVAM
256.90 - 257.00	2RA flow breccia	2.00	10.00	100	BX	S AM			MVFX
257.00 - 258.40	2RA 2G massive amygdul e	10.00	20.00	100	MX	W AM			MVAM
258.40 - 259.80	2GA massive amygdul e	2.00	10.00	100	MX	W AM			MVMV
259.80 - 262.00	2GA massive trace amygdul e; weak phenocrysts	1.00	5.00	100	MX	T AM	W PN		MVMV
262.00 - 262.10	2RA 2GA flow breccia; contact; elongated amygdul es	2.00	8.00	100	BX	S AM			MVFX
262.10 - 263.10	2RA 2GA amygdul e amoeboid breccia	5.00	20.00	100	BX	M AM			MVAM
263.10 - 264.30	2RA 2GA trace amygdul e; weak phenocrysts	0.50	2.00	100	MX	T AM	W PH		MVMV
264.30 - 266.20	2RB amoeboid breccia	5.00	20.00	100	BX	S AM	W PH		MVAM
266.20 - 271.30	2RB weak amygdul e/phenocrysts	2.00	10.00	100	MX	W AM	W PH		MVMV
271.30 - 274.30	2RB 2GA weak phenocrysts; thermal cracking (hematized)	1.00	2.00	100	MX	W PH			MVMV
274.30 - 288.00	2A	0.50	4.00	100	MX	T AM	T PH		MVMV
288.00 - 328.00	2A 2AB	1.00	2.00	100	MX	W PN			MVMV
328.00 - 329.80	2A 2AB	5.00	20.00	100	BX	M AM			MVFX
329.80 - 332.00	2A 2AB	2.00	10.00	100	MX	W AM	W PN		MVMV
332.00 - 349.20	2A 2AG	1.00	2.00	100	MX	W PN			MVMV
349.20 - 350.40	2A 2AG	2.00	10.00	100	MX	W AM			MVMV
350.40 - 350.50	2A 2AG amygdul e breccia	2.00	10.00	100	BX	M AM			MVAM
350.50 - 352.20	2G 2R	1.00	5.00	100	MX	T AM	W PN		MVMV
352.20 - 355.40	2G	3.00	10.00	100	AM	M AM			MVAM
355.40 - 356.30	2G	0.50	1.50	100	MX	W PN			MVMV
356.30 - 358.20	2G 2R amygdul e amoeboid breccia; flow top?	3.00	20.00	100	BX	W AM			MVFX
358.20 - 358.80	2G 2R flow contact at 359.2m	1.00	5.00	100	MX	T AM	W PN		MVMV
358.80 - 359.20	2G 2R flow breccia; bedded	3.00	8.00	100	AM	S AM			MVFX
359.20 - 360.05	2G 2R	2.00	5.00	100	MX	W AM			MVMV
360.05 - 360.20	2G 2R flow breccia at base of unit	4.00	10.00	100	BX	M AM			MVAM
360.20 - 413.00				100					SDST
413.00 - 434.00				20		T SY			SDST
413.00 - 434.00				80					SDST
434.00 - 522.00				40		W SY			SDST
434.00 - 522.00				60					SDST
522.00 - 530.90				100					SDST
530.90 - 534.00				80					SDST
530.90 - 534.00				20		M SY			SDST
534.00 - 794.00				100					SDST
to end of hole some very minor areas of fine grained sandstone with weak stylolitic development (not recorded)									

4. Lithology Information - Detailed

Depth (metres)		Cumulative Thickness (cm)				Max. Pebble Size (mm)	RQD %	Formation
From	To	Clay Interclasts	Pebbles > 4mm	Granules 2-4mm	Siltstone Mudstone			
-----	No Detailed Lithology Information for this hole.							

5. Structure Information - General

Depth (metres)	Bedding Angle	Contact Angle	Foliation Angle	Frac Angle	Frac Feat	Frac/m	Fri ab	Recover %	Probe
0.00	80					<1	1	100	0
2.20	70					<1	1	100	0
4.00	68					<1	1	100	0
5.00	80			15	CF	<1	1	100	0
5.00				15	10Z	<1	1	100	0

6.80		8	CF	<1	1	100	0
6.80		8	1DQZ	<1	1	100	0
6.80		8	VUG	<1	1	100	0
8.90	75			<1	1	100	0
9.80		8	OF	<1	1	100	0
9.80		8	1DQZ	<1	1	100	0
10.20		60	1WCY	<1	1	100	0
10.20		60	OF	<1	1	100	0
10.25		80	PLB	GG	3	100	0
5cm wide white clay zone Parallel to bedding gouge?? or alteration							
10.30		80	3WCY	<1	1	100	0
10.30		80	GG	<1	1	100	0
10.80	85	15	SIL	<1	1	100	0
10.80		15	CF	<1	1	100	0
10.80		15	1QZ	<1	1	100	0
10.80		15	STK	<1	1	100	0
13.30	82			<1	1	100	0
13.90	78	8	1QZ	<1	1	100	0
13.90		8	CF	<1	1	100	0
14.20		7	1DQZ	<1	1	100	0
14.20		7	CF	<1	1	100	0
16.70	81			<1	1	100	0
17.10		12	1QZ	<1	1	100	0
17.10		12	CF	<1	1	100	0
18.10		70	SH	SH	1	100	0
18.10		70	CF	SH	1	100	0
18.13		17	CF	<1	1	100	0
18.13		17	2GKY	<1	1	100	0
2GKY - chlorite?? within 3SIL INT and sheared 5-8cm zone							
19.00		3	1DQZ	<1	1	100	0
19.00		3	CF	<1	1	100	0
19.40	85	3	1QZ	<1	1	100	0
21.70	82	15	CF	<1	1	100	0
21.70		15	2GKY	<1	1	100	0
23.50	82	3	CF	<1	1	100	0
23.50		3	1QZ	<1	1	100	0
25.60	84			<1	1	100	0
26.10		3	1QZ	<1	1	100	0
26.10		3	CF	<1	1	100	0
27.40	73			<1	1	100	0
29.80	84	5	1QZ	<1	1	100	0
29.80		5	CF		0	1	100
31.00	80				0	1	100
33.40	72				0	1	100
33.40	70				0	1	100
40.20	78				0	1	100
40.90	74				0	1	100
43.70	83	2	CF		2	1	100
evidence of 3mm vertical displacement							
43.70		2	1DQZ		2	1	100
44.00		2	1DQZ		2	1	100
44.00		2	CF		2	1	100
44.60		2	1DQZ		2	1	100
44.60		2	CF		2	1	100
44.60		14	2DQZ		2	1	100
44.60		14	CF		2	1	100
44.60		14	VUG		2	1	100
45.20		20	1DQZ	<1	1	100	0
45.20		20	CF	<1	1	100	0
48.80	70	16	HF	<1	1	100	0
48.80		16	CF	<1	1	100	0
50.00		80	CF	<1	1	100	0
50.00		80	HF	<1	1	100	0
1.5cm displacement of healed fracture along bedding plane							
50.00		80	PLB	<1	1	100	0
51.80	83			<1	1	100	0
52.60		0	1DQZ		1	1	100
52.60		0	CF		1	1	100
54.03					0	1	100
54.90	75				1	1	100
55.60	74	4	1QZ	<1	1	100	0
55.60		4	1DQZ	<1	1	100	0
55.60		4	VUG	<1	1	100	0
55.60		4	CF	<1	1	100	0
59.30		14	OF	<1	1	100	0
59.30		14	1DQZ	<1	1	100	0
60.00		8	1DQZ	<1	1	100	0
60.00		8	CF	<1	1	100	0
60.10		30	CF	<1	1	100	0
62.90	75	15	OF		0	1	100
65.00	80				0	1	100
69.00	74				0	1	100
73.00	78				0	1	100
78.70	82				0	1	100
82.00	80				0	1	100
86.00	83			<1	1	100	0
90.90	84	24	CF		0	1	100
90.90		24	1QZ		0	1	100
93.50	75				0	1	100
97.00	76				0	1	100
100.00	88				0	1	100
101.00	85	14	2DQZ		1	1	100
101.00		14	OF		1	1	100

101.00		14	VUG	1	1	100	0
102.00		10	OF	0	1	100	0
104.50	80			0	1	100	0
107.00	84			0	1	100	0
110.20	82			0	1	100	0
defined by stylolite surface							
112.10		68	OF	1	1	100	0
112.10		68	1YCY	1	1	100	0
113.80	78	65	2LI BX	2	2	100	0
10 cm zone of compaction brecciation sub // to bedding							
113.80		65	2YCY BX	2	2	100	0
113.80		65	CF BX	2	2	100	0
113.90				0	1	100	0
115.10	80			0	1	100	0
117.00		20	OF	0	1	100	0
117.40	85	40	OF	0	1	100	0
119.00	80			0	1	100	0
120.30		65	OF	6	1	100	0
120.50		65	2MU <1	1	1	100	0
123.20		18	CF <1	1	1	100	0
124.00	82	3	CF <1	1	1	100	0
124.40		28	OF <1	1	1	100	0
125.00	82			<1	1	100	0
125.90	83	12	CF <1	1	1	100	0
127.50		15	CF <1	1	1	100	0
129.00	80	0	1DQZ <1	1	1	100	0
129.00		0	VUG <1	1	1	100	0
129.00		0	CF <1	1	1	100	0
134.00	76			0	1	100	0
bedding defined by stylolites							
136.00	82			0	1	100	0
137.20	74	26	CF <1	1	1	100	0
137.20		26	1LI <1	1	1	100	0
138.70	80	8	1DQZ <1	1	1	100	0
138.70		8	VUG <1	1	1	100	0
138.70		8	CF <1	1	1	100	0
139.20		3	1DQZ <1	1	1	100	0
139.20		3	CF <1	1	1	100	0
141.90		70	OF	6	1	100	0
142.00		17	1DQZ	6	1	100	0
142.00		17	OF	6	1	100	0
142.05		40	OF	6	1	100	0
142.10	80	12	OF	0	1	100	0
144.00	82			0	1	100	0
146.70	80			0	1	100	0
149.20	81	52	CF	1	1	100	0
149.20		52	1YCY	1	1	100	0
150.75		50	OF	1	1	100	0
151.50	84	50	OF	0	1	100	0
151.50		50	IR	0	1	100	0
151.50		50	2YCY	0	1	100	0
153.10	82			0	1	100	0
157.00	82			0	1	100	0
158.00	83			0	1	100	0
162.00	80			0	1	100	0
163.50	88	35	1DQZ	2	1	100	0
163.50		35	CF	2	1	100	0
163.90		13	1DQZ	0	1	100	0
163.90		13	CF	0	1	100	0
166.70		42	CF	5	1	100	0
compaction fracturing (irregular)							
166.70		42	IR	5	1	100	0
166.90	78	30	IR	2	1	100	0
166.90		30	CF	2	1	100	0
168.20	80	32	1DQZ <1	1	1	100	0
168.20		32	VUG <1	1	1	100	0
168.20		32	CF <1	1	1	100	0
169.80	80	80	1SGG <1	1	1	100	0
Slipkensi de movement along siltty bed							
169.80		80	SSK <1	1	1	100	0
169.80		80	OF <1	1	1	100	0
170.90	90	60	IR	0	1	100	0
170.90		60	OF	0	1	100	0
170.90		60	2YCY	0	1	100	0
175.50	83			0	1	100	0
177.00	78			<1	1	100	0
181.10	76	40	2YCY <1	1	1	100	0
181.10		40	IR <1	1	1	100	0
181.10		40	OF <1	1	1	100	0
182.10		4	1DQZ <1	1	1	100	0
182.10		4	VUG <1	1	1	100	0
182.10		4	CF <1	1	1	100	0
185.00	85	2	1DQZ <1	1	1	100	0
185.00		2	CF <1	1	1	100	0
185.00		2	VUG <1	1	1	100	0
185.20		55	1YCY	0	1	100	0
185.20		55	IR	0	1	100	0
185.20		55	OF	0	1	100	0
188.10	78			0	1	100	0
190.10	77			0	1	100	0
192.40		0	1DQZ	2	1	100	0
192.40		0	VUG	2	1	100	0

192. 40		0	CF	2	1	100	0
192. 70		0	1DQZ	0	1	100	0
192. 70		0	VUG	0	1	100	0
192. 70		0	CF	0	1	100	0
194. 00	82			0	1	100	0
197. 70	75			0	1	100	0
201. 20		16	2DQZ	<1	1	100	0
201. 20		16	1HE	<1	1	100	0
201. 20		16	OF	<1	1	100	0
201. 20		16	2QZ	<1	1	100	0
204. 00		31	1QZ	5	1	100	0
204. 00		31	CF	5	1	100	0
204. 20	84	84	PLB	5	1	100	0
204. 20		84	OF	5	1	100	0
204. 20		84	1YCY	5	1	100	0
204. 20		12	CF	5	1	100	0
205. 40		5	1DQZ	5	1	100	0
205. 40		5	CF	5	1	100	0
205. 80		18	2LI	5	1	100	0
205. 80		18	CF	5	1	100	0
205. 90		20	1DQZ	5	1	100	0
205. 90		20	CF	5	1	100	0
206. 10	80	3	CF	5	1	80	0
206. 10		3	1YCY	5	1	80	0
206. 25		17	OF	5	1	80	0
206. 25		17	2YCY	5	1	80	0
206. 70		10	2DQZ	5	1	80	0
206. 70		10	OF	5	1	80	0
206. 70		10	2LI	5	1	80	0
206. 90				BC	1	10	0
207. 20				LC	5	0	0
209. 40	80	60	OF	5	1	80	0
209. 70		8	2DQZ	BC	1	80	0
209. 70		8	OF	BC	1	80	0
209. 70		8	1WCY	BC	1	80	0
209. 70		8	1DQZ	BC	1	80	0
209. 90		40	1WCY	7	1	80	0
209. 90		40	OF	7	1	80	0
210. 00		25	OF	7	1	80	0
210. 00		25	1WCY	7	1	80	0
210. 20		8	OF	7	1	80	0
210. 40	80	50	CF	7	1	80	0
210. 40		50	1WCY	7	1	80	0
210. 41		4	1WCY	7	1	80	0
210. 41		4	CF	7	1	80	0
210. 70		42	OF	BC	1	80	0
210. 70		42	1YCY	BC	1	80	0
210. 90		12	1YCY	6	1	80	0
210. 90		12	OF	6	1	80	0
211. 00		24	OF	6	1	80	0
211. 00		24	2YCY	6	1	80	0
211. 00		24	1GG	6	1	80	0
211. 00		24	2QZ	6	1	80	0
211. 10		15	OF	6	1	80	0
211. 10		15	2YCY	6	1	80	0
211. 12	82	82	PLB	6	1	80	0
211. 12		82	OF	6	1	80	0
211. 12		82	1SGG	6	1	80	0
211. 50		15	OF	6	1	80	0
211. 50		15	1DQZ	6	1	80	0
211. 80	80	10	OF	6	1	80	0
211. 80		10	1LI	6	1	80	0
211. 80		10	IR	6	1	80	0
211. 90		20	OF	6	1	80	0
211. 90		20	1LI	6	1	80	0
211. 90		20	IR	6	1	80	0
212. 00		8	OF	BC	1	75	0
212. 00		8	1LI	BC	1	75	0
212. 00		8	1DQZ	BC	1	75	0
212. 00		8	1QZ	BC	1	75	0
212. 40		25	1QZ	8	1	75	0
212. 40		25	OF	8	1	75	0
212. 40		25	1LI	8	1	75	0
212. 50		23	2DQZ	BC	1	75	0
212. 50		23	1LI	BC	1	75	0
212. 50		23	1NXX	BC	1	75	0
1NXX after DQZ							
212. 50		23	OF	BC	1	75	0
212. 70		20	CF	BC	1	75	0
212. 70		20	1LI	BC	1	75	0
212. 80		28	1WCY	BC	1	75	0
212. 80		28	1YCY	BC	1	75	0
212. 80		28	OF	BC	1	75	0
212. 90		10	OF	5	1	75	0
212. 90		10	1YCY	5	1	75	0
213. 10		38	1YCY	5	1	60	0
213. 10		38	OF	5	1	60	0
213. 20		30	1WCY	BC	1	60	0
213. 20		30	1YCY	BC	1	60	0
213. 20		30	OF	BC	1	60	0
213. 20		30	BX	BC	1	60	0
213. 40		40	1YCY	BC	1	60	0
213. 40		40	OF	BC	1	60	0
213. 45		20	1YCY	BC	1	15	0
213. 45		20	OF	BC	1	15	0
213. 70		18	1DQZ	8	1	15	0

213.70	18	OF	8	1	15	0
213.70	18	1WCY	8	1	15	0
214.00	20	1DQZ	5	1	25	0
214.00	20	OF	5	1	25	0
215.00	32	CF	5	1	60	0
215.00	32	1LI	5	1	60	0
215.20	40	2DQZ	BC	1	60	0
215.20	40	VUG	BC	1	60	0
215.20	40	CF	BC	1	60	0
215.20	40	2YCY	BC	1	60	0
215.70	28	OF	BC	1	60	0
215.70	28	2QZ	BC	1	60	0
215.70	28	1DQZ	BC	1	60	0
215.80	20	2DQZ	BC	1	60	0
215.80	20	VUG	BC	1	60	0
215.80	20	1R	BC	1	60	0
215.80	20	2YCY	BC	1	60	0
215.80	20	OF	BC	1	60	0
216.00	40	3DQZ	BC	1	60	0
216.00	40	2DQZ	BC	1	60	0
216.00	40	VUG	BC	1	60	0
216.00	40	OF	BC	1	60	0
216.00	40	BX	BC	1	60	0
216.40	25	2DQZ	BC	1	60	0
216.40	25	VUG	BC	1	60	0
216.40	25	1R	BC	1	60	0
216.40	25	3HE	BC	1	60	0
216.40	25	1WCY	BC	1	60	0

3HE along 2mm wide lining of vug predates DQZ; DQZ predates WCY

216.40	25	CF	BC	1	60	0
216.50	15	3QZ	BC	1	50	0
216.50	15	2DQZ	BC	1	50	0
216.50	15	OF	BC	1	50	0
216.50	15	BX	BC	1	50	0
216.70	30	1LI	8	1	50	0
216.70	30	OF	8	1	50	0
217.00	18	3QZ	8	1	50	0
217.00	18	2LI	8	1	50	0
217.00	18	CF	8	1	50	0
217.00	18	BX	8	1	50	0
217.10	12	2LI	BC	1	50	0
217.10	12	CF	BC	1	50	0
217.10	12	3QZ	BC	1	50	0

3-4cm wide QZ filled fracture

217.20	8	2QZ	BC	1	50	0
217.20	8	1DQZ	BC	1	50	0
217.20	8	1WCY	BC	1	50	0
217.20	8	1SGG	BC	1	50	0
217.40	35	2SGG	BX	3	50	0
217.40	35	BX	BX	3	50	0
217.40	35	OF	BX	3	50	0
217.40	35	2DQZ	BX	3	50	0
217.40	35	2YCY	BX	3	50	0
217.40	35	1WCY	BX	3	50	0
217.40	35	1GCY	BX	3	50	0

zone from 217.4 to 217.6 contains appreciable amounts of pale green mineral coating on fracture surfaces and interstitially (logged as GCY/GXX)

217.40	35	GXX	BX	3	50	0
217.44	2	2QZ	7	1	50	0
217.44	2	BX	7	1	50	0
217.44	2	CF	7	1	50	0
217.50	3	2QZ	7	1	50	0
217.50	3	2DQZ	7	1	50	0
217.50	3	VUG	7	1	50	0
217.50	3	CF	7	1	50	0
217.60	2	3QZ	HX	1	100	0

Healed brecciated zone to 218.2m

217.60	2	CF	HX	1	100	0
217.60	2	1WCY	HX	1	100	0
217.60	2	2DQZ	HX	1	100	0
217.70	2	BX	HX	1	100	0
217.70	2	OF	HX	1	100	0
218.20	4	3QZ	6	1	100	0
218.20	4	CF	6	1	100	0
218.30			6	1	100	0
218.40	20	OF	6	1	100	0
218.40	20	1LI	6	1	100	0
218.80	40	CF	6	1	100	0
218.80	40	1LI	6	1	100	0
219.00	28	1SGG	BX	1	100	0
219.00	28	2LI	BX	1	100	0
219.00	28	1WCY	BX	1	100	0
219.00	28	1R	BX	1	100	0
219.00	28	OF	BX	1	100	0
219.10	28	2ACY	4	1	100	0
219.10	28	OF	4	1	100	0
219.80	20	OF	4	1	100	0
219.80	20	1NXX	4	1	100	0
219.90	9	OF	4	1	100	0
219.90	9	BH	4	1	100	0
220.20	3	1QZ	4	1	100	0
220.20	3	CF	4	1	100	0
220.60	18	1DQZ	2	1	100	0

220.60		18	CF	2	1	100	0
220.90	82	18	OF	2	1	100	0
220.90		18	IR	2	1	100	0
221.20		50	OF	2	1	100	0
221.90		24	OF	2	1	100	0
221.90		24	2LI	2	1	100	0
222.10		14	2ACY	2	1	100	0
222.10		14	OF	2	1	100	0
222.10		14	1NXX	2	1	100	0
222.10		14	VUG	2	1	100	0
222.10		14	2DOZ	2	1	100	0
Well developed quartz crystals 1mm by up to 5mm elongated in "c" axis randomly orientated within vug							
222.20		2	2DOZ	2	1	100	0
222.20		2	VUG	2	1	100	0
222.20		2	OF	2	1	100	0
222.80		10	OF	4	1	100	0
222.80		10	2LI	4	1	100	0
222.80		10	2OZ	4	1	100	0
222.95		14	2HE	4	1	100	0
222.95		14	1LI	4	1	100	0
222.95		14	OF	4	1	100	0
223.20	82	13	CF	8	1	80	0
223.20		13	2LI	8	1	80	0
223.20		12	OF	8	1	80	0
223.70		42	OF	BC	1	80	0
224.00		10	OF	7	1	90	0
224.00		10	1DOZ	7	1	90	0
224.40	78	19	OF	7	1	90	0
224.50		25	OF	7	1	90	0
224.50		25	1DOZ	7	1	90	0
224.90		10	1LI	BC	1	60	0
224.90		10	OF	BC	1	60	0
225.05		42	OF	BC	1	60	0
225.05		42	1LI	BC	1	60	0
225.05		42	1DOZ	BC	1	60	0
225.60		15	1DOZ	BC	1	60	0
225.60		15	OF	BC	1	60	0
225.70		16	1DOZ	BC	2	60	0
225.70		16	OF	BC	2	60	0
225.70		16	1LI	BC	2	60	0
225.70		16	1YCY	BC	2	60	0
225.80				BC	1	60	0
225.95				BC	2	60	0
226.00		57	1OZ	BC	2	60	0
226.00		57	1DOZ	BC	2	60	0
226.00		57	CF	BC	2	60	0
226.05		2	2OZ	HX	1	100	0
zone to 127.85m: brecciated, desilicified with vuggy cavities and preferred orientation of 45 to 55 TCA; good evidence of silica-rich fluid movement							
226.05		2	2DOZ	HX	1	100	0
226.05		2	OF	HX	1	100	0
226.05		2	VUG	HX	1	100	0
226.05		2	1LI	HX	1	100	0
226.30		65	3DOZ	HX	1	100	0
226.30		65	VUG	HX	1	100	0
226.30		65	CF	HX	1	100	0
226.40		35	2YCY	BC	2	100	0
226.40		35	OF	BC	2	100	0
226.50				HX	1	100	0
226.70	50	50	1OZ	HX	1	100	0
bedding questionable??							
226.70		50	CF	HX	1	100	0
226.75		52	2DOZ	HX	1	100	0
226.75		52	VUG	HX	1	100	0
226.75		52	CF	HX	1	100	0
226.90		50	2DOZ	HX	1	100	0
226.90		50	VUG	HX	1	100	0
226.90		50	OF	HX	1	100	0
226.90		50	2HE	HX	1	100	0
2HE coating DOZ crystals							
227.25		50	BX	HX	1	100	0
227.25		50	3OZ	HX	1	100	0
227.25		50	2DOZ	HX	1	100	0
227.25		50	VUG	HX	1	100	0
227.25		50	OF	HX	1	100	0
227.25		50	2HE	HX	1	100	0
227.80		20	BX	8	1	100	0
227.80		20	2DOZ	8	1	100	0
227.80		20	2HE	8	1	100	0
227.80		20	1WCY	8	1	100	0
227.80		20	OF	8	1	100	0
228.15	88	88	2DOZ	8	1	100	0
DOZ / VUG along bedding							
228.15		88	CF	8	1	100	0
228.15		88	VUG	8	1	100	0
228.15		88	PLB	8	1	100	0
228.40		40	BX	HX	1	100	0
228.40		40	2DOZ	HX	1	100	0
228.40		40	CF	HX	1	100	0
228.50		22	2ACY	HX	1	100	0
228.50		22	OF	HX	1	100	0
228.60		40	1OZ	2	1	100	0

228.60		40	1DOZ	2	1	100	0
228.60		40	CF	2	1	100	0
229.00	72	17	IR	2	1	100	0
229.00		17	CF	2	1	100	0
229.00		17	1GG	2	1	100	0
229.00		17	2HE	2	1	100	0
229.00		17	1ACY	2	1	100	0
229.20	35	2	IR	2	1	100	0
rotated sandstone block							
229.22	60	2	OF	2	1	100	0
229.30		72	3QZ	HX	1	100	0
to 229.9m: recrystallized quartzite (breccia?) sub // to bedding; possibly 70 cm cavity filled with recrystallized quartz. .DOZ							
229.30		72	2DOZ	HX	1	100	0
229.30		72	CF	HX	1	100	0
229.80		42	2DOZ	HX	1	100	0
229.80		42	VUG	HX	1	100	0
229.80		42	1WCY	HX	1	100	0
229.80		42	CF	HX	1	100	0
230.00	78	30	FT	8	1	100	0
Healed fault structure; quartz crystals (recrystallized) adjacent silicified sdst; orientated core measurements taken							
230.00		30	2DOZ	8	1	100	0
230.00		30	CF	8	1	100	0
230.10		20	CF	8	1	100	0
230.10		20	SH	8	1	100	0
230.30	70	75	PLB	8	1	100	0
230.30		75	2DOZ	8	1	100	0
230.30		75	CF	8	1	100	0
230.30		75	VUG	8	1	100	0
230.70		3	1QZ	8	1	100	0
230.70		3	CF	8	1	100	0
230.80	70	70	2DOZ	HX	1	100	0
defined by 2DOZ along bedding							
230.80		70	CF	HX	1	100	0
231.20		56	2DOZ	2	1	100	0
231.20		56	OF	2	1	100	0
231.20		56	1HE	2	1	100	0
231.90	84	45	1QZ	2	1	100	0
231.90		45	CF	2	1	100	0
232.80		60	1DOZ	2	1	100	0
evidence of sol t sediment deformation up to 1-2 cm sub vertical movement							
232.80		60	CF	2	1	100	0
233.05		42	2DOZ	2	1	100	0
233.05		42	OF	2	1	100	0
233.05		42	VUG	2	1	100	0
234.00	78			2	1	100	0
234.60		35	2DOZ	HX	1	100	0
234.60		35	VUG	HX	1	100	0
234.60		35	CF	HX	1	100	0
234.60		35	2WCY	HX	1	100	0
234.90	80			0	1	100	0
236.30	80			0	1	100	0
238.70	82			0	1	100	0
239.20		17	CF	2	1	100	0
239.20		17	1DOZ	2	1	100	0
239.30		17	CF	0	1	100	0
239.30		17	1DOZ	0	1	100	0
239.30		17	VUG	0	1	100	0
239.30		17	1MU	0	1	100	0
240.20	78	78		FS	2	100	0
contact with volcanic flows							
240.40	75			FS	3	100	0
241.20	70			FS	2	100	0
242.00				2	1	100	0
242.60		35	3QZ	2	1	100	0
injection fracture filling?							
242.60		35	CF	2	1	100	0
242.80	80	25	3QZ	0	2	100	0
242.80		25	CF	0	2	100	0
245.00	85			0	2	100	0
248.00	82			0	2	100	0
249.00	85			0	1	100	0
250.00		25	1QZ	1	1	100	0
250.00		25	CF	1	1	100	0
251.15		25	CF	1	1	100	0
251.15		25	2QZ	1	1	100	0
252.50		3	3QZ	HX	1	100	0
grey green aphanitic fracture filling (15mm wide)							
252.50		3	CF	HX	1	100	0
253.60				<1	1	100	0
255.00		15	1QZ	<1	1	100	0
255.00		15	CF	<1	1	100	0
256.80	70	70		<1	1	100	0
260.10		20	2HE	<1	1	100	0
260.10		20	CF	<1	1	100	0
260.50		25	2HE	<1	1	100	0
260.50		25	OF	<1	1	100	0
263.80		20	1QZ	<1	1	100	0

263.80		20	CF	<1	1	100	0
263.80		20	1CL	<1	1	100	0
265.70	52	20	1CL	<1	1	100	0
	flow contact						
269.13				HX	1	100	0
269.20		80	BX	1	1	100	0
269.20		80	CF	1	1	100	0
269.70		22	1QZ	1	1	100	0
269.70		22	CF	1	1	100	0
269.70		22	1HS	1	1	100	0
	specular hematite						
271.30		20	1QZ	6	1	100	0
271.30		20	CF	6	1	100	0
271.30		20	BX	6	1	100	0
271.80		60	BX	HX	1	100	0
	1cm wide healed breccia						
271.80		60	CF	HX	1	100	0
272.60		18	BX	BX	1	100	0
	brecciation zone (injection breccia; dyke; hydraulic breccia??)						
272.60		18	3NCL	BX	1	100	0
272.60		18	CF	BX	1	100	0
272.90				HX	1	100	0
273.40		50	2NCL	2	1	100	0
273.40		50	CF	2	1	100	0
273.60		28	2NCL	2	1	100	0
273.60		28	CF	2	1	100	0
274.90		20	1QZ	2	1	100	0
274.90		20	CF	2	1	100	0
276.40		8	1CB	2	1	100	0
276.40		8	OF	2	1	100	0
276.60		25	2CL	2	1	100	0
276.60		25	OF	2	1	100	0
276.90		28	2HE	8	1	100	0
276.90		28	OF	8	1	100	0
277.10		40	2CB	8	1	100	0
277.10		40	2CL	8	1	100	0
277.10		40	OF	8	1	100	0
277.30		28	OF	8	1	100	0
278.10		25	2NCL	6	1	100	0
278.40		18	BX	2	1	100	0
	10-15mm wide breccia						
279.00		35	CF	2	1	100	0
280.00		18	1QZ	2	1	100	0
280.00		18	CF	2	1	100	0
282.70		20	2HE	2	1	100	0
282.70		20	OF	2	1	100	0
282.70		20	1R	2	1	100	0
284.00		24	1CB	2	1	100	0
284.00		24	CF	2	1	100	0
285.60		40	1CB	2	1	100	0
285.60		40	OF	2	1	100	0
287.10		20	2CL	2	1	100	0
287.10		20	OF	2	1	100	0
288.30		25	1HE	2	1	100	0
288.30		25	CF	2	1	100	0
289.80		10	2CL	2	1	100	0
289.80		10	OF	2	1	100	0
290.30		18	2HE	2	1	100	0
290.30		18	CF	2	1	100	0
291.00		15	2CL	2	1	100	0
291.00		15	CF	2	1	100	0
291.00		15	2HE	2	1	100	0
	Chlorite postdates hematite within fractures						
292.20		30	2CL	2	1	100	0
292.20		30	2HE	2	1	100	0
292.20		30	CF	2	1	100	0
293.00		20	2CL	<1	1	100	0
293.00		20	2HE	<1	1	100	0
293.00		20	2CB	<1	1	100	0
293.00		20	CF	<1	1	100	0
296.10		35	1CL	8	1	100	0
296.10		35	1HE	8	1	100	0
296.10		35	1CB	8	1	100	0
296.10		35	CF	8	1	100	0
296.70		52	2CL	8	1	100	0
296.70		52	2CB	8	1	100	0
296.70		52	1HE	8	1	100	0
296.70		52	CF	8	1	100	0
297.00		53	2CL	8	1	100	0
297.00		53	2CB	8	1	100	0
297.00		53	1HE	8	1	100	0
297.00		53	CF	8	1	100	0
297.90		77	2CL	8	1	100	0
297.90		77	2CB	8	1	100	0
297.90		77	CF	8	1	100	0
298.30		8	3CB	1	1	100	0
298.30		8	2CL	1	1	100	0
298.30		8	2HE	1	1	100	0
298.30		8	CF	1	1	100	0
299.50		18	3CB	1	1	100	0
299.50		18	2CL	1	1	100	0

299.50	18	CF	1	1	100	0
300.00	15	3CB	HX	1	100	0
	10mm wide Carbonate breccia filled fracture					
300.00	15	BX	HX	1	100	0
300.00	15	2CL	HX	1	100	0
300.10	30	3CL	HX	1	100	0
300.10	30	CF	HX	1	100	0
300.10	30	3CB	HX	1	100	0
300.60	10	BX	HX	1	100	0
300.60	10	CF	HX	1	100	0
300.60	10	STK	HX	1	100	0
301.30	5	3CB	HX	1	100	0
301.30	5	CF	HX	1	100	0
301.30	5	STK	HX	1	100	0
301.70	8	3CB	6	1	100	0
301.70	8	CF	6	1	100	0
302.00	32	2CL	6	1	100	0
302.00	32	DSK	6	1	100	0
302.00	32	OF	6	1	100	0
302.00	5	2CB	6	1	100	0
302.00	5	CF	6	1	100	0
304.50	44	2HE	6	1	100	0
304.50	44	2CL	6	1	100	0
304.50	44	OF	6	1	100	0
305.50	2	2HE	6	1	100	0
305.50	2	2CL	6	1	100	0
305.50	2	CF	6	1	100	0
306.50	5	3QZ	6	1	100	0
306.50	5	2CL	6	1	100	0
306.50	5	2HE	6	1	100	0
306.50	5	CF	6	1	100	0
307.20	34	2HE	6	1	100	0
307.20	34	2CL	6	1	100	0
307.20	34	OF	6	1	100	0
307.90	21	2QZ	RF	1	100	0
307.90	21	2CL	RF	1	100	0
307.90	21	CF	RF	1	100	0
307.90	21	BX	RF	1	100	0
308.90	3	2CL	2	1	100	0
308.90	3	2QZ	2	1	100	0
308.90	3	CF	2	1	100	0
309.80	15	2CL	2	1	100	0
309.80	15	1QZ	2	1	100	0
309.80	15	CF	2	1	100	0
311.00	5	1QZ	2	1	100	0
311.00	5	CF	2	1	100	0
312.50	22	2HE	2	1	100	0
312.50	22	2CL	2	1	100	0
312.50	22	OF	2	1	100	0
312.80	25	2CL	2	1	100	0
312.80	25	OF	2	1	100	0
313.80	77	1CB	2	1	100	0
313.80	77	OF	2	1	100	0
313.80	10	1HE	2	1	100	0
313.80	10	2CB	2	1	100	0
313.80	10	CF	2	1	100	0
314.40	8	3CB	0	1	100	0
314.40	8	1CL	0	1	100	0
314.40	8	CF	0	1	100	0
319.70	30	1HE	<1	1	100	0
319.70	30	2CB	<1	1	100	0
319.70	30	CF	<1	1	100	0
320.00	20	2CB	<1	1	100	0
320.00	20	1HE	<1	1	100	0
320.00	20	CF	<1	1	100	0
322.20	28	3CB	<1	1	100	0
322.20	28	CF	<1	1	100	0
324.50	38	2CB	<1	1	100	0
324.50	38	CF	<1	1	100	0
326.70	17	2CB	<1	1	100	0
326.70	17	CF	<1	1	100	0
328.00			HX	1	100	0
328.10			<1	1	100	0
328.70			HX	1	100	0
328.90			<1	1	100	0
329.10			HX	1	100	0
329.30			<1	1	100	0
330.90	20	2QZ	<1	1	100	0
330.90	20	CF	<1	1	100	0
331.80	15	2QZ	<1	1	100	0
331.80	15	CF	<1	1	100	0
334.00	19	1HE	<1	1	100	0
334.00	19	OF	<1	1	100	0
335.30	14	2QZ	0	1	100	0
335.30	14	2HE	0	1	100	0
335.30	14	CF	0	1	100	0
341.40	8	1QZ	0	1	100	0
341.40	8	CF	0	1	100	0
346.00	25	2HE	0	1	100	0
346.00	25	2CB	0	1	100	0
346.00	25	CF	0	1	100	0
347.40	15	2HE	0	1	100	0
347.40	15	2CB	0	1	100	0
347.40	15	OF	0	1	100	0
347.80	20	2HE	3	1	100	0
347.80	20	SSK	3	1	100	0

347.80		20	OF	3	1	100	0
348.00		15	2CB	3	1	100	0
348.00		15	2CL	3	1	100	0
348.00		15	OF	3	1	100	0
350.30		50	BX	HX	1	100	0
injection breccia							
350.30		50	2CL	HX	1	100	0
350.40		50	2CL		0	1	100
350.40		50	CF		0	1	100
351.40	8	8	CF	HX	1	100	0
contact between CL & HE matrix							
353.20	70	70		3	1	100	0
357.20	60	60	3HS	3	1	100	0
357.20		60	CF	3	1	100	0
357.20		60	2QZ	3	1	100	0
357.30		70	2QZ	3	1	100	0
357.30		70	CF	3	1	100	0
357.30		70	3HS	3	1	100	0
357.40		62	3HS	3	1	100	0
357.40		62	CF	3	1	100	0
357.40		62	2QZ	3	1	100	0
358.90	80			3	2	100	0
359.80				3	3	100	0
359.80				3	3	100	0
360.20	75			3	1	100	0
Contact with sandstone							
361.25	84	8	1QZ	<1	1	100	0
361.25		8	CF	<1	1	100	0
363.00	85	3	CF	<1	1	100	0
363.00		3	1QZ	<1	1	100	0
364.10		10	1QZ	0	1	100	0
364.10		10	CF	0	1	100	0
364.10		10	1DQZ	0	1	100	0
364.10		10	CF	0	1	100	0
364.10		10	1DQZ	0	1	100	0
366.00	82			0	1	100	0
367.10		52	CF	2	1	100	0
367.25		25	2DQZ	2	1	100	0
367.25		25	CF	2	1	100	0
367.25		25	2QZ	2	1	100	0
368.40		10	OF	2	1	100	0
368.40		10	2DQZ	2	1	100	0
368.40		10	VUG	2	1	100	0
368.40		10	2PY	2	1	100	0
pyrite / marcasite? bladed radiating crystals on the DQZ (fine grained)							
369.20	79	32	CF	2	1	100	0
371.15		21	1DQZ	2	1	100	0
371.15		21	CF	2	1	100	0
373.80	80	12	CF	0	1	100	0
376.00	84			0	1	100	0
379.00	85			0	1	100	0
380.00	86	10	1QZ	1	1	100	0
380.00		10	1DQZ	1	1	100	0
380.00		10	CF	1	1	100	0
381.30		0	IR	1	1	100	0
381.30		0	1QZ	1	1	100	0
381.30		0	CF	1	1	100	0
382.80	75			1	1	100	0
384.85	82	24	1QZ	0	1	100	0
384.85		24	SH	0	1	100	0
384.85		24	CF	0	1	100	0
387.30		12	SH	2	1	100	0
387.30		12	OF	2	1	100	0
387.30		12	SSK	2	1	100	0
387.30		12	BX	2	1	100	0
387.50	78	28	1QZ	1	1	100	0
387.50		28	CF	1	1	100	0
388.90		55	CF	4	1	100	0
389.20	50	17	1DQZ	4	1	100	0
389.20		17	1QZ	4	1	100	0
389.20		17	CF	4	1	100	0
389.30		35	CF	1	1	100	0
390.10	79			1	1	100	0
391.20		30	OF	1	1	100	0
391.80		40	SH	SH	1	100	0
Zones (SH) of stressed sandstone (intensely silicified) preferentially related to bedding (irregular); not much evidence of displacement							
391.80		40	OF	SH	1	100	0
391.90		30	SH	SH	1	100	0
391.90		30	OF	SH	1	100	0
392.02		54	SH	6	1	100	0
392.02		54	OF	6	1	100	0
392.70	86	48	1QZ	6	1	100	0
392.70		48	CF	6	1	100	0
392.80	76	76	BX	HX	1	100	0
392.80		76	CF	HX	1	100	0
392.84				2	1	100	0
393.20		48	2QZ	SH	1	100	0
Zones (SH) of stressed sandstone (intensely silicified) preferentially related to bedding (irregular); not much evidence of displacement							
393.26				5	1	100	0

393.90		35	OF	5	1	100	0
394.20	72	30	SH	SH	1	100	0
Zones (SH) of stressed sandstone (intensely silicified) preferentially related to bedding (irregular); not much evidence of displacement							
394.20		30	CF	SH	1	100	0
394.40		32	OF	SH	1	100	0
394.40		32	SH	SH	1	100	0
394.85		45	BX	HX	1	100	0
394.85		45	CF	HX	1	100	0
394.85		45	2DSG	HX	1	100	0
394.90				3	1	100	0
395.50	70	35	SH	3	1	100	0
395.50		35	CF	3	1	100	0
396.40		8	2DQZ	3	1	100	0
396.40		8	VUG	3	1	100	0
396.40		8	SH	3	1	100	0
396.40		8	20Z	3	1	100	0
396.70		2	SH	SH	1	100	0
396.70		2	BX	SH	1	100	0
396.70		2	CF	SH	1	100	0
397.00		15	SH	SH	1	100	0
397.00		15	BX	SH	1	100	0
397.00		15	CF	SH	1	100	0
397.30		12	BX	SH	1	100	0
2-3 cm wide sheared - healed BX fracture with fine grained pyrite (sulphide crystals)							
397.30		12	SH	SH	1	100	0
397.30		12	HF	SH	1	100	0
397.30		12	1PY	SH	1	100	0
397.30		12	CF	SH	1	100	0
397.70	82			<1	1	100	0
400.60		15	CF	2	1	100	0
401.20		31	SH	2	1	100	0
401.20		31	CF	2	1	100	0
402.00		24	CF	2	1	100	0
402.00		24	HF	2	1	100	0
402.70		27	CF	2	1	100	0
healed breccia fracture 10mm wide							
402.70		27	SH	2	1	100	0
402.70		27	BX	2	1	100	0
403.30		22	1PY	2	1	100	0
403.30		22	1DQZ	2	1	100	0
403.30		22	VUG	2	1	100	0
403.30		22	1QZ	2	1	100	0
403.80		30	1QZ	2	1	100	0
403.80		30	CF	2	1	100	0
403.80		30	VUG	2	1	100	0
405.00		24	CF	2	1	100	0
405.00		24	1QZ	2	1	100	0
405.10	80	26	CF	<1	1	100	0
405.10		26	SH	<1	1	100	0
407.00	85			<1	1	100	0
409.85		23	OF	<1	1	100	0
411.00	82			<1	1	100	0
412.80	52			<1	1	100	0
414.50		12	1QZ	<1	1	100	0
414.50		12	CF	<1	1	100	0
416.60	82			<1	1	100	0
418.80	80	8	1DQZ	<1	1	100	0
418.80		8	VUG	<1	1	100	0
418.80		8	CF	<1	1	100	0
419.00		12	20Z	<1	1	100	0
419.00		12	1DQZ	<1	1	100	0
419.00		12	1HE	<1	1	100	0
419.00		12	1PY	<1	1	100	0
419.00		12	VUG	<1	1	100	0
419.90		7	CF	<1	1	100	0
420.30	79	8	CF	<1	1	100	0
422.70		2	1QZ	0	1	100	0
422.70		2	CF	0	1	100	0
425.60	82			0	1	100	0
429.00	84			0	1	100	0
431.00	65			0	1	100	0
432.80		30	OF	0	1	100	0
434.20	76	30	OF	0	1	100	0
bedding defined by stylolites							
441.30	70	30	OF	0	1	100	0
444.85	85	30	2DQZ	<1	1	100	0
444.85		30	1HE	<1	1	100	0
444.85		30	VUG	<1	1	100	0
444.85		30	CF	<1	1	100	0
445.00	85	30	CF	<1	1	100	0
445.00		30	SH	<1	1	100	0
446.00	80			<1	1	100	0
bedding / stylolites							
447.20		32	CF	<1	1	100	0
448.85		28	OF	<1	1	100	0
448.85		2	CF	<1	1	100	0
451.40	78			<1	1	100	0
453.80	80	21	OF	5	1	100	0
453.80		21	1DQZ	5	1	100	0
453.90		22	OF	3	1	100	0
454.10		31	OF	0	1	100	0

possibly a driller's break in the core

456.40	70			0	1	100	0
457.90	76			0	1	100	0
461.00	84			0	1	100	0
463.70	75			0	1	100	0
465.15	82			0	1	100	0
468.00	77			0	1	100	0
468.70		45	OF	0	2	100	0
468.73				0	1	100	0
471.70	80			0	1	100	0
475.60	82			0	1	100	0
476.90	78	0	1DQZ	<1	1	100	0
476.90		0	CF	<1	1	100	0
476.90		0	VUG	<1	1	100	0
479.60	77	10	HF	<1	1	100	0
479.60		10	CF	<1	1	100	0
482.00		19	OF	0	1	100	0
483.00	77			0	1	100	0
485.50	80			0	1	100	0
487.00	80			0	1	100	0
488.00	77			0	1	100	0
491.00	85			0	1	100	0
492.00		20	BX	HX	1	100	0
492.00		20	CF	HX	1	100	0
492.15		15	HF	<1	1	100	0
492.15		15	CF	<1	1	100	0
493.00	85			<1	1	100	0
495.80		10	2DSG	<1	1	100	0
495.80		10	CF	<1	1	100	0
496.90	90	30	OF	<1	1	100	0
498.00		12	OF	BC	1	100	0
498.10		15	OF	3	1	100	0
498.30		30	OF	3	1	100	0
498.70		42	OF	3	1	100	0
499.00	77	42	OF	1	1	100	0
501.90		30	HF	1	1	100	0
501.90		30	CF	1	1	100	0
502.40	80	19	CF	1	1	100	0
503.50		20	1QZ	1	1	100	0
503.50		20	IR	1	1	100	0
503.50		20	CF	1	1	100	0
503.91	80	80	BX	BX	1	100	0
503.91		80	VUG	BX	1	100	0
503.93				SH	1	100	0
504.03				2	1	100	0
504.60	80	35	2QZ	2	1	100	0
504.60		35	2DQZ	2	1	100	0
504.60		35	VUG	2	1	100	0
504.60		35	OF	2	1	100	0
504.60		35	1WCY	2	1	100	0
504.60		35	DSK	2	1	100	0
505.15	78	33	1DQZ	2	1	100	0
505.15		33	OF	2	1	100	0
505.40		41	1QZ	2	1	100	0
505.40		41	CF	2	1	100	0
505.90		45	1QZ	2	1	100	0
505.90		45	CF	2	1	100	0
506.30		40	1DQZ	1	1	100	0
506.30		40	OF	1	1	100	0
507.30	76	30	HF	1	1	100	0
507.30		30	CF	1	1	100	0
509.00	75			<1	1	100	0
511.00	80			<1	1	100	0
512.00		24	1DQZ	<1	1	100	0
512.00		24	1QZ	<1	1	100	0
512.00		24	CF	<1	1	100	0
512.00		24	VUG	<1	1	100	0
514.80	80			<1	1	100	0
516.50		2	HF	3	1	100	0
516.50		2	CF	3	1	100	0
517.20	75	30	HF	3	1	100	0
517.20		30	CF	3	1	100	0
517.80		16	HF	3	1	100	0
517.80		16	CF	3	1	100	0
519.75		10	HF	3	1	100	0
519.75		10	CF	3	1	100	0
520.00		18	HF	3	1	100	0
520.00		18	CF	3	1	100	0
520.90		12	CF	HX	1	100	0
521.30	82	3	1QZ	HX	1	100	0
521.30		3	CF	HX	1	100	0
521.65		10	1QZ	HX	1	100	0
521.65		10	CF	HX	1	100	0
521.65		10	SH	HX	1	100	0
522.20		5	BX	0	1	100	0
522.20		5	2QZ	0	1	100	0
522.20		5	CF	0	1	100	0
523.60	80			0	1	100	0
524.90		2	2QZ	0	1	100	0
524.90		2	CF	0	1	100	0
526.80	80	10	SH	<1	1	100	0
526.80		10	1QZ	<1	1	100	0
526.80		10	CF	<1	1	100	0
527.00		11	CF	<1	1	100	0
530.50	80	20	1QZ	<1	1	100	0
530.50		20	CF	<1	1	100	0

531.85		22	CF	<1	1	100	0
532.70	83	23	OF	<1	1	100	0
534.10	80	18	CF	0	1	100	0
535.90	80			0	1	100	0
	silt bed						
538.00	81			0	1	100	0
540.20		2	CF	0	1	100	0
540.80				0	2	100	0
541.00				BC	2	100	0
	silt bed (broken core)						
541.20	80			0	1	100	0
543.20		15	1QZ	0	1	100	0
543.20		15	CF	0	1	100	0
545.00	80			0	1	100	0
547.00	81			0	1	100	0
548.00		2	BX	HX	1	100	0
zone to 559.1m is a zone of steep fracturing, brecciation, silicification; possibly fault zone... slickensides noted at 551.8 and 554.8m							
548.00		2	2QZ	HX	1	100	0
548.70		10	BX	HX	1	100	0
548.70		10	3QZ	HX	1	100	0
549.00				0	1	100	0
550.25		19	BX	HX	1	100	0
550.25		19	CF	HX	1	100	0
550.40		0	BX	HX	1	100	0
551.80		20	BX	HX	1	25	0
551.80		20	CF	HX	1	25	0
551.80		20	SSK	HX	1	25	0
552.00				BC	1	25	0
554.00				HX	1	100	0
554.60		5	3QZ	HX	1	100	0
554.60		5	SH	HX	1	100	0
554.60		5	BX	HX	1	100	0
554.80		10	SSK	HX	1	100	0
554.80		10	OF	HX	1	100	0
554.80		20	SH	HX	1	100	0
554.80		20	CF	HX	1	100	0
555.20				BC	2	100	0
555.30				1	1	100	0
555.70	80	10	2QZ	HX	1	100	0
555.70		10	CF	HX	1	100	0
556.80		30	BX	HX	1	100	0
556.80		30	CF	HX	1	100	0
557.10	57			HX	1	100	0
558.00	30			HX	1	100	0
559.00		25	BX	HX	2	100	0
559.00		25	SH	HX	2	100	0
559.00		25	CF	HX	2	100	0
559.03				HX	1	100	0
559.40	70			4	1	100	0
559.90		28	2QZ	4	1	100	0
559.90		28	CF	4	1	100	0
560.10		18	CF	4	1	100	0
560.10		18	1QZ	4	1	100	0
560.25		8	BX	1	1	100	0
560.25		8	1QZ	1	1	100	0
560.25		8	CF	1	1	100	0
561.90		30	2QZ	3	1	100	0
561.90		30	1DQZ	3	1	100	0
561.90		30	VUG	3	1	100	0
561.90		30	CF	3	1	100	0
562.30		30	2QZ	3	1	100	0
562.30		30	2DQZ	3	1	100	0
562.30		30	VUG	3	1	100	0
562.30		30	CF	3	1	100	0
562.90		25	2DQZ	3	1	100	0
562.90		25	CF	3	1	100	0
562.90		25	BX	3	1	100	0
562.95		28	2DQZ	3	1	100	0
562.95		28	CF	3	1	100	0
562.95		28	BX	3	1	100	0
563.40	73	25	2QZ	3	1	100	0
563.40		25	CF	3	1	100	0
563.90	70	40	2QZ	3	1	100	0
563.90		40	CF	3	1	100	0
564.30		24	1QZ	<1	1	100	0
564.30		24	CF	<1	1	100	0
565.60	65			<1	1	100	0
567.40	73	20	1QZ	0	1	100	0
567.40		20	CF	0	1	100	0
569.00	70			0	1	100	0
571.80	76			0	1	100	0
574.00	58			0	1	100	0
576.00	75			0	1	100	0
577.80	77			0	1	100	0
579.50	75	16	CF	0	1	100	0
580.60	80	18	BX	HX	1	100	0
580.60		18	HF	HX	1	100	0
580.60		18	2QZ	HX	1	100	0
580.90		40	BX	HX	1	100	0
580.90		40	2HE	HX	1	100	0
580.90		40	2QZ	HX	1	100	0
580.98				<1	1	100	0
581.05	72	2	1QZ	2	1	100	0

581.05		2	1YCY	2	1	100	0
581.05		2	CF	2	1	100	0
581.75	78	20	3QZ	1	1	100	0
10mm wide DQZ filled fracture (vug) well developed Qz crystals (clear) . Multiple generations of silica flooding with 2HE on fracture surfaces							
581.75		20	2DQZ	1	1	100	0
581.75		20	VUG	1	1	100	0
581.75		20	2HE	1	1	100	0
581.75		20	CF	1	1	100	0
582.85	78	12	HF	0	1	100	0
582.85		12	CF	0	1	100	0
585.10	65			<1	1	100	0
585.70		5	HF	0	1	100	0
585.70		5	CF	0	1	100	0
587.80	82			0	1	100	0
590.00	80			0	1	100	0
594.20	78			0	1	100	0
596.30	78			0	1	100	0
599.70	80			0	1	100	0
601.90		60	2YCY	2	1	100	0
601.90		60	2MU	2	1	100	0
601.90		60	OF	2	1	100	0
603.00		15	2DSG	2	1	100	0
603.00		15	CF	2	1	100	0
603.00		15	HBX	2	1	100	0
603.50	80	3	2DSG	0	1	100	0
603.50		3	HBX	0	1	100	0
603.50		3	CF	0	1	100	0
604.50	82			0	1	100	0
610.30	85	40	1DQZ	0	1	100	0
610.30		40	CF	0	1	100	0
615.70	83			0	1	100	0
620.30	83	62	SIL	0	1	100	0
620.30		62	CF	0	1	100	0
622.30	86			0	1	100	0
623.30	82			0	1	100	0
625.00	84			0	1	100	0
628.30	80			0	1	100	0
bedding defined by strololites							
629.70		20	OF	0	1	100	0
631.40	82			0	1	100	0
637.60	70			0	1	100	0
638.50	77			0	1	100	0
641.60	83			0	1	100	0
645.70	75			0	1	100	0
650.00	80			0	1	100	0
652.30	75			0	1	100	0
656.00	70			0	1	100	0
orientation mark suspect?							
661.50	85			0	1	100	0
667.60	70			0	1	100	0
673.20	78			0	1	100	0
676.50	80			0	1	100	0
678.90	82			0	1	100	0
682.80	86			0	1	100	0
685.30	88			0	1	100	0
690.00	83			0	1	100	0
691.80	80			0	1	100	0
695.00	82			0	1	100	0
698.00	84			0	1	100	0
700.00	84			0	1	100	0
704.00	76			0	1	100	0
705.80	83			0	1	100	0
709.00		8	CF	3	1	100	0
709.30		12	2QZ	3	1	100	0
709.30		12	2DQZ	3	1	100	0
709.30		12	VUG	3	1	100	0
709.30		12	CF	3	1	100	0
709.85		40	OF	8	1	100	0
709.95		42	OF	2	1	100	0
710.50		55	OF	7	1	100	0
710.50		55	CF	7	1	100	0
710.55		38	OF	7	1	100	0
710.60		25	3WCY	<1	1	100	0
710.60		25	1GG	<1	1	100	0
710.60		25	1PY	<1	1	100	0
trace py (small crystals)							
710.60		25	OF	<1	1	100	0
712.20	72	30	OF	0	1	100	0
716.00	80			0	1	100	0
720.60	73			0	1	100	0
721.00	70			0	1	100	0
722.40		12	CF	<1	1	100	0
722.40		12	CF	2	1	100	0
722.40		12	VUG	2	1	100	0
well developed quartz crystals in vug							
726.20	76			0	1	100	0
730.70	82			0	1	100	0
734.20	88			<1	1	100	0
738.00		40	2GCY	0	1	100	0
738.00		40	OF	0	1	100	0
738.00		40	IR	0	1	100	0

742.70	83			0	1	100	0
747.20	75			0	1	100	0
749.10		22	CF	<1	1	100	0
749.10		22	1DQZ	<1	1	100	0
750.60	72			0	1	100	0
756.50	80			0	1	100	0
758.15	80			0	1	100	0
765.00	80			0	1	100	0
772.15	82			0	1	100	0
774.50	72			0	1	100	0
777.30	73			0	1	100	0
781.00	75			0	1	100	0
787.00	85			0	1	100	0
789.00	72	25	OF	0	1	100	0
793.30	78			0	1	100	0

6. Remark Information - General

Depth
(metres)

----- No General Remark Information for this hole.

7. Hydrothermal Alteration Information

Depth From - To	Strat	Hydrothermal Intensity	Alteration Type	Distribution	Percent %
6.30 - 10.20		3	BH	PERV	100.0
6.30 - 10.20		2	SIL	INT	100.0
10.20 - 10.25		3	BH	PERV	100.0
10.20 - 10.25		3	CY	PERV	80.0
10.25 - 33.80		3	BH	BIR	50.0
10.25 - 33.80		3	HE	BIR	10.0
10.25 - 33.80		2	BH	BIR	40.0
10.25 - 33.80		1	LI	PERV	50.0
10.25 - 33.80		1	SIL	INT	100.0
33.80 - 42.50		3	BH	BIR	20.0
33.80 - 42.50		1	BH	BIR	30.0
33.80 - 42.50		2	BH	BIR	50.0
33.80 - 42.50		2	HE	BIR	30.0
33.80 - 42.50		1	HE	BIR	50.0
33.80 - 42.50		2	SIL	INT	50.0
33.80 - 42.50		1	SIL	INT	50.0
42.50 - 50.80		3	BH	PERV	98.0
42.50 - 50.80		2	BH	BIR	2.0
42.50 - 50.80		1	HE	BIR	2.0
42.50 - 50.80		2	SIL	INT	100.0
50.80 - 51.70		3	BH	BIR	60.0
50.80 - 51.70		3	HE	BIR	10.0
50.80 - 51.70		2	BH	BIR	30.0
50.80 - 51.70		1	HE	BIR	30.0
50.80 - 51.70		1	SIL	INT	100.0
51.70 - 61.80		3	BH	PERV	90.0
51.70 - 61.80		2	BH	IRR	10.0
51.70 - 61.80		1	HE	IRR	10.0
51.70 - 61.80		2	SIL	INT	100.0
61.80 - 64.80		1	SIL	INT	50.0
61.80 - 64.80		2	BH	BIR	50.0
61.80 - 64.80		1	BH	BIR	20.0
61.80 - 64.80		3	BH	BIR	30.0
61.80 - 64.80		2	HE	BIR	20.0
61.80 - 64.80		1	HE	BIR	50.0
61.80 - 64.80		1	SIL	INT	80.0
61.80 - 64.80		2	SIL	INT	30.0
64.80 - 73.30		2	BH	BIR	20.0
64.80 - 73.30		1	BH	BIR	70.0
64.80 - 73.30		3	HE	BN	10.0
64.80 - 73.30		2	HE	BIR	70.0
64.80 - 73.30		1	HE	BIR	20.0
64.80 - 73.30		2	LI	BED	30.0
64.80 - 73.30		1	WCY	INT	60.0
64.80 - 73.30		1	SIL	INT	100.0
73.30 - 95.00		3	BH	BED	40.0
73.30 - 95.00		2	BH	BIR	40.0
73.30 - 95.00		1	BH	BIR	15.0
73.30 - 95.00		3	HE	BIR	5.0
73.30 - 95.00		1	BH	BIR	40.0
73.30 - 95.00		2	BH	BIR	15.0
73.30 - 95.00		1	SIL	INT	80.0
73.30 - 95.00		2	SIL	INT	20.0
73.30 - 95.00		2	HE	BIR	15.0
95.00 - 102.00		3	HE	BIR	40.0
95.00 - 102.00		1	HE	BIR	25.0
95.00 - 102.00		2	BH	BIR	25.0
95.00 - 102.00		3	BH	BIR	35.0
95.00 - 102.00		1	SIL	INT	100.0
102.00 - 104.30		3	BH	PERV	85.0
102.00 - 104.30		2	BH	BIR	15.0
102.00 - 104.30		1	HE	BIR	15.0
102.00 - 104.30		1	SIL	INT	100.0
104.30 - 114.00		1	LI	BIR	50.0
104.30 - 114.00		2	LI	IRR	15.0

104.30 - 114.00	2	HE	BI R	35.0
104.30 - 114.00	3	BH	BI R	50.0
104.30 - 114.00	1	HE	BI R	15.0
104.30 - 114.00	2	BH	BI R	15.0
104.30 - 114.00	1	BH	BI R	35.0
104.30 - 114.00	1	SI L	I NT	100.0
114.00 - 119.00	3	BH	PERV	100.0
114.00 - 119.00	1	SI L	I NT	60.0
114.00 - 119.00	2	SI L	I NT	40.0
114.00 - 119.00	1	LI	BI R	5.0
119.00 - 120.00	3	HE	I RR	10.0
119.00 - 120.00	2	HE	BI R	60.0
119.00 - 120.00	3	BH	BI R	30.0
119.00 - 120.00	1	BH	BI R	60.0
119.00 - 120.00	1	SI L	I NT	100.0
120.00 - 120.60	2	LI	PERV	100.0
120.00 - 120.60	3	BH	PERV	100.0
120.60 - 133.90	3	BH	PERV	100.0
120.60 - 133.90	1	LI	I RR	5.0
120.60 - 133.90	2	SI L	I NT	100.0
133.90 - 144.30	2	LI	BI R	15.0
133.90 - 144.30	1	LI	BI R	15.0
133.90 - 144.30	2	HE	BI R	20.0
133.90 - 144.30	1	BH	BI R	20.0
133.90 - 144.30	3	BH	BI R	35.0
133.90 - 144.30	2	HE	BI R	45.0
133.90 - 144.30	1	BH	BI R	45.0
133.90 - 144.30	1	SI L	I NT	100.0
144.30 - 154.00	3	BH	BI R	35.0
144.30 - 154.00	2	HE	BI R	35.0
144.30 - 154.00	1	HE	BI R	30.0
144.30 - 154.00	2	BH	BI R	30.0
144.30 - 154.00	1	BH	BI R	35.0
144.30 - 154.00	1	SI L	I NT	100.0
144.30 - 154.00	1	LI	I RR	10.0
154.00 - 170.00	3	BH	BN	60.0
154.00 - 170.00	3	HE	BI R	25.0
154.00 - 170.00	2	HE	BI R	15.0
154.00 - 170.00	1	BH	BI R	15.0
154.00 - 170.00	2	SI L	I NT	50.0
154.00 - 170.00	1	SI L	I NT	50.0
170.00 - 205.60	3	BH	BI R	10.0
170.00 - 205.60	3	HE	BI R	15.0
170.00 - 205.60	2	HE	BI R	55.0
170.00 - 205.60	1	BH	BI R	55.0
170.00 - 205.60	1	HE	BI R	20.0
170.00 - 205.60	2	BH	BI R	20.0
170.00 - 205.60	1	YCY	I NT	60.0
170.00 - 205.60	1	SI L	I NT	40.0
170.00 - 205.60	1	LI	I RR	25.0
170.00 - 205.60	2	LI	BI R	30.0
205.60 - 212.00	3	BH	PERV	100.0
205.60 - 212.00	1	LI	BI R	5.0
205.60 - 212.00	1	SI L	I NT	85.0
205.60 - 212.00	2	DOZ	FRAC	20.0
212.00 - 219.20	3	BH	PERV	100.0
212.00 - 219.20	3	SI L	STRT	20.0
212.00 - 219.20	2	SI L	I NT	80.0
212.00 - 219.20	2	LI	I RR	20.0
219.20 - 222.80	3	BH	PERV	40.0
219.20 - 222.80	2	BH	STRT	20.0
219.20 - 222.80	3	HE	BED	25.0
219.20 - 222.80	2	HE	BI R	15.0
219.20 - 222.80	1	BH	BI R	15.0
219.20 - 222.80	2	SI L	STRT	30.0
219.20 - 222.80	1	SI L	I NT	70.0
219.20 - 222.80	1	LI	I RR	35.0
222.80 - 225.80	2	SI L	PERV	100.0
222.80 - 225.80	3	BH	PERV	100.0
222.80 - 225.80	1	LI	I RR	25.0
225.80 - 226.80	2	DOZ	VUG	65.0
225.80 - 226.80	3	SI L	PERV	35.0
225.80 - 226.80	2	SI L	PERV	65.0
225.80 - 226.80	3	BH	PERV	100.0
226.80 - 229.30	3	SI L	I NT	80.0
226.80 - 229.30	2	DOZ	VUG	20.0
226.80 - 229.30	3	BH	PERV	100.0
226.80 - 229.30	3	HE	VUG	5.0
229.30 - 230.80	2	OZ	MTC	80.0
quartz crystals regrowth (replacement or recrystallized?)				
229.30 - 230.80	2	HE	I RR	35.0
229.30 - 230.80	2	DOZ	VUG	65.0
229.30 - 230.80	3	BH	PERV	65.0
229.30 - 230.80	3	SI L	STRT	20.0
229.30 - 230.80	2	SI L	I NT	70.0
229.30 - 230.80	3	SI L	PERV	30.0
229.30 - 230.80	3	BH	PERV	100.0
230.80 - 230.90	2	DOZ	VUG	50.0
230.80 - 230.90	2	OZ	MTC	50.0
230.80 - 230.90	3	BH	PERV	100.0
230.80 - 230.90	1	YCY	I NT	50.0
230.90 - 231.00	2	OZ	MTC	100.0
230.90 - 231.00	3	HE	BI R	50.0
230.90 - 231.00	2	SI L	PERV	100.0
230.90 - 231.00	2	BH	PERV	50.0
230.90 - 231.00	1	HE	PERV	50.0

231.00 - 231.20	3	SIL	BX	60.0
231.00 - 231.20	2	SIL	PERV	40.0
231.00 - 231.20	2	HE	CLAS	5.0
231.00 - 231.20	3	BH	IRR	60.0
231.20 - 237.60	3	BH	PERV	95.0
231.20 - 237.60	2	BH	BI R	5.0
231.20 - 237.60	1	HE	BI R	5.0
231.20 - 237.60	2	SIL	PERV	100.0
237.60 - 240.20	3	HE	PERV	80.0
237.60 - 240.20	1	HE	BI R	5.0
237.60 - 240.20	3	BH	BI R	15.0
237.60 - 240.20	2	BH	BI R	15.0
237.60 - 240.20	2	SIL	PERV	100.0
240.20 - 249.00	3	HE	PERV	100.0
240.20 - 249.00	2	CL	IRR	5.0
240.20 - 249.00	2	OZ	AMYG	20.0
249.00 - 252.40	2	CL	PERV	60.0
249.00 - 252.40	2	HE	MATR	40.0
252.40 - 253.80	3	HE	MATR	90.0
252.40 - 253.80	2	OZ	AMYG	30.0

Cherty filling of amygdules in volcanic flows rimmed by chlorite?

252.40 - 253.80	2	CL	AMYG	10.0
252.40 - 253.80	3	OZ	STRT	50.0
253.80 - 269.00	2	HE	IRR	30.0
269.00 - 298.00	1	NA	PERV	100.0
298.00 - 302.50	2	CB	STK	80.0
302.50 - 306.50	1	NA	PERV	100.0
306.50 - 309.00	2	OZ	FRAC	60.0
309.00 - 348.00	1	NA	PERV	100.0
348.00 - 358.20	2	HE	IRR	30.0
348.00 - 358.20	2	CL	IRR	60.0
358.20 - 358.85	2	CL	PERV	100.0
358.85 - 359.80	3	CL	PERV	80.0
358.85 - 359.80	2	CY	MTC	80.0
359.80 - 360.20	3	CL	IRR	20.0
359.80 - 360.20	2	HE	MATR	80.0
359.80 - 360.20	3	CY	MTC	75.0
360.20 - 360.70	3	HE	BI R	35.0
360.20 - 360.70	2	HE	BI R	65.0
360.20 - 360.70	1	SIL	INT	100.0
360.20 - 360.70	1	BH	BI R	65.0
360.70 - 365.85	3	HE	PAT	3.0
360.70 - 365.85	2	HE	PERV	97.0
360.70 - 365.85	3	SIL	BI R	40.0
360.70 - 365.85	2	SIL	BI R	40.0
360.70 - 365.85	3	BH	PERV	90.0
360.70 - 365.85	2	BH	BI R	10.0
360.70 - 365.85	1	HE	BI R	10.0
365.85 - 385.10	3	BH	PERV	75.0
365.85 - 385.10	2	BH	BI R	25.0
365.85 - 385.10	1	HE	BI R	25.0
365.85 - 385.10	3	SIL	BI R	25.0
365.85 - 385.10	2	SIL	PERV	75.0
385.10 - 388.50	3	HE	BN	35.0
385.10 - 388.50	2	HE	BI R	35.0
385.10 - 388.50	1	HE	BI R	30.0
385.10 - 388.50	2	BH	BI R	30.0
385.10 - 388.50	1	BH	BI R	35.0
385.10 - 388.50	3	SIL	BI R	20.0
385.10 - 388.50	2	SIL	INT	80.0
388.50 - 396.20	2	HE	BN	75.0
388.50 - 396.20	1	HE	BN	25.0
388.50 - 396.20	2	BH	BN	25.0
388.50 - 396.20	1	BH	BN	75.0
388.50 - 396.20	3	SIL	BI R	35.0
388.50 - 396.20	2	SIL	INT	65.0
396.20 - 399.00	3	BH	PERV	80.0
396.20 - 399.00	2	BH	BI R	20.0
396.20 - 399.00	1	HE	BI R	20.0
396.20 - 399.00	3	SIL	STRT	60.0

silicification is structurally related

396.20 - 399.00	2	SIL	PERV	40.0
399.00 - 405.35	3	BH	PERV	100.0
399.00 - 405.35	3	SIL	IRR	65.0

silicification associated with 10-15 mm wide brecciated fracture

399.00 - 405.35	2	SIL	IRR	35.0
405.35 - 409.00	3	BH	BN	70.0
405.35 - 409.00	1	HE	BI R	20.0
405.35 - 409.00	2	LI	IRR	10.0
405.35 - 409.00	2	SIL	PERV	100.0
405.35 - 409.00	2	BH	BI R	30.0
409.00 - 420.70	3	SIL	BI R	20.0
409.00 - 420.70	2	SIL	PERV	80.0
409.00 - 420.70	3	BH	PERV	90.0
409.00 - 420.70	1	HE	IRR	10.0
409.00 - 420.70	2	BH	IRR	10.0
420.70 - 429.20	3	HE	BN	7.0
420.70 - 429.20	2	HE	BI R	25.0
420.70 - 429.20	1	HE	IRR	13.0
420.70 - 429.20	3	BH	BI R	45.0
420.70 - 429.20	2	BH	IRR	13.0
420.70 - 429.20	1	BH	BI R	25.0
420.70 - 429.20	1	SIL	INT	70.0
420.70 - 429.20	2	SIL	INT	30.0

429.20 - 454.60	3	BH	PERV	70.0
429.20 - 454.60	1	HE	BI R	30.0
429.20 - 454.60	2	BH	BI R	30.0
429.20 - 454.60	1	SI L	INT	80.0
429.20 - 454.60	2	SI L	BI R	20.0
454.60 - 459.90	3	BH	BI R	60.0
454.60 - 459.90	3	HE	BI R	5.0
454.60 - 459.90	2	HE	BI R	35.0
454.60 - 459.90	2	SI L	BI R	40.0
454.60 - 459.90	1	SI L	INT	60.0
454.60 - 459.90	1	BH	BI R	35.0
459.90 - 491.70	3	BH	IRR	80.0
459.90 - 491.70	1	HE	BI R	20.0
459.90 - 491.70	2	BH	BI R	20.0
459.90 - 491.70	2	SI L	PERV	60.0
459.90 - 491.70	1	SI L	INT	40.0
491.70 - 519.00	3	HE	BI R	35.0
491.70 - 519.00	3	BH	BI R	35.0
491.70 - 519.00	2	HE	BI R	30.0
491.70 - 519.00	1	BH	BI R	30.0
491.70 - 519.00	2	SI L	BI R	35.0
491.70 - 519.00	1	SI L	INT	65.0
519.00 - 531.00	3	BH	PERV	60.0
519.00 - 531.00	1	HE	BI R	30.0
519.00 - 531.00	2	HE	BI R	10.0
519.00 - 531.00	2	BH	BI R	10.0
519.00 - 531.00	1	BH	BI R	30.0
519.00 - 531.00	2	SI L	INT	60.0
519.00 - 531.00	1	SI L	INT	40.0
531.00 - 535.00	3	BH	PERV	90.0
531.00 - 535.00	2	BH	BI R	10.0
531.00 - 535.00	1	HE	BI R	10.0
531.00 - 535.00	2	SI L	INT	100.0
535.00 - 538.10	3	BH	PERV	75.0
535.00 - 538.10	2	BH	BI R	10.0
535.00 - 538.10	1	BH	BI R	15.0
535.00 - 538.10	1	HE	BI R	10.0
535.00 - 538.10	2	HE	BI R	15.0
535.00 - 538.10	1	SI L	INT	100.0
538.10 - 538.40	3	HE	BED	50.0
538.10 - 538.40	2	HE	BI R	40.0
538.10 - 538.40	1	HE	BI R	10.0
538.10 - 538.40	2	BH	BI R	10.0
538.10 - 538.40	1	BH	BI R	40.0
538.10 - 538.40	1	SI L	INT	80.0
538.40 - 540.75	1	HE	PERV	75.0
538.40 - 540.75	2	BH	PERV	75.0
538.40 - 540.75	3	BH	PERV	25.0
538.40 - 540.75	2	SI L	INT	100.0
540.75 - 541.20	2	SI L	BED	40.0

associated with silt bed

540.75 - 541.20	3	HE	BED	60.0
540.75 - 541.20	2	HE	BED	40.0
540.75 - 541.20	2	CY	BED	10.0
540.75 - 541.20	3	CL	BED	10.0
541.20 - 543.50	2	SI L	PERV	95.0
541.20 - 543.50	3	HE	BI R	45.0
541.20 - 543.50	2	HE	BI R	55.0
541.20 - 543.50	1	BH	BI R	55.0
543.50 - 551.30	2	HE	BI R	20.0
543.50 - 551.30	1	HE	BI R	30.0
543.50 - 551.30	3	BH	BI R	50.0
543.50 - 551.30	1	SI L	INT	100.0
543.50 - 551.30	1	WCY	INT	80.0
551.30 - 555.80	3	BH	PERV	85.0
551.30 - 555.80	2	HE	IRR	5.0
551.30 - 555.80	1	BH	IRR	5.0
551.30 - 555.80	2	SI L	PERV	80.0
551.30 - 555.80	3	SI L	STRT	20.0
555.80 - 559.20	2	SI L	STRT	70.0
555.80 - 559.20	1	SI L	IRR	30.0
555.80 - 559.20	2	HE	IRR	15.0
555.80 - 559.20	3	BH	STRT	85.0
555.80 - 559.20	1	BH	IRR	15.0
559.20 - 563.50	3	BH	IRR	70.0
559.20 - 563.50	2	HE	BI R	5.0
559.20 - 563.50	1	HE	BI R	25.0
559.20 - 563.50	2	BH	BI R	25.0
559.20 - 563.50	1	BH	BI R	5.0
559.20 - 563.50	2	SI L	INT	95.0
563.50 - 573.00	3	BH	PERV	90.0
563.50 - 573.00	1	LI	IRR	25.0
563.50 - 573.00	1	HE	IRR	10.0
563.50 - 573.00	2	BH	IRR	10.0
563.50 - 573.00	1	SI L	INT	100.0
563.50 - 573.00	1	WCY	INT	100.0
573.00 - 575.85	1	HE	MOT	85.0
573.00 - 575.85	2	HE	BI R	5.0
573.00 - 575.85	3	BH	BI R	10.0
573.00 - 575.85	1	BH	BI R	5.0
573.00 - 575.85	1	SI L	INT	100.0
575.85 - 578.60	2	HE	BN	80.0
575.85 - 578.60	1	BH	BN	80.0
575.85 - 578.60	1	SI L	INT	85.0
575.85 - 578.60	3	HE	BED	10.0

silt beds

575.85 - 578.60	1	SIL	INT	100.0
575.85 - 578.60	3	GCY	BED	1.0

silt beds, very thin (pale green color)

578.60 - 582.90	3	BH	PERV	95.0
578.60 - 582.90	1	HE	BIR	5.0
578.60 - 582.90	2	BH	BIR	5.0
578.60 - 582.90	1	LI	BN	35.0
578.60 - 582.90	1	SIL	INT	100.0
582.90 - 591.60	3	BH	PERV	80.0
582.90 - 591.60	2	BH	BIR	20.0
582.90 - 591.60	1	HE	BIR	20.0
582.90 - 591.60	1	YCY	INT	60.0
582.90 - 591.60	1	SIL	INT	50.0
582.90 - 591.60	1	GCY	INT	5.0
582.90 - 591.60	2	GCY	BED	1.0

silt bed & intraclast (green)

591.60 - 593.25	3	BH	PERV	70.0
591.60 - 593.25	2	BH	BIR	30.0
591.60 - 593.25	1	HE	BIR	30.0
591.60 - 593.25	1	SIL	INT	100.0
591.60 - 593.25	1	YCY	INT	100.0
593.25 - 594.60	3	BH	PERV	100.0
593.25 - 594.60	2	LI	PERV	100.0
593.25 - 594.60	1	SIL	INT	100.0
594.60 - 632.00	3	BH	PERV	100.0
594.60 - 632.00	1	YCY	INT	100.0
594.60 - 632.00	1	SIL	INT	100.0
594.60 - 632.00	2	SIL	BED	5.0
632.00 - 650.00	3	BH	BIR	70.0
632.00 - 650.00	1	HE	BIR	10.0
632.00 - 650.00	2	HE	PAT	20.0
632.00 - 650.00	1	YCY	INT	100.0
632.00 - 650.00	1	SIL	INT	35.0
650.00 - 676.00	3	BH	BIR	5.0
650.00 - 676.00	2	HE	BLOT	55.0
650.00 - 676.00	3	HE	PAT	15.0
650.00 - 676.00	1	HE	BIR	25.0
650.00 - 676.00	2	BH	BIR	25.0
650.00 - 676.00	1	BH	BLOT	55.0
650.00 - 676.00	1	YCY	INT	80.0
650.00 - 676.00	2	YCY	INT	20.0
676.00 - 703.50	3	BH	BIR	50.0
676.00 - 703.50	3	HE	BIR	15.0
676.00 - 703.50	2	HE	BIR	35.0
676.00 - 703.50	1	BH	BIR	35.0
676.00 - 703.50	1	YCY	INT	100.0
703.50 - 704.40	2	BH	BN	15.0
703.50 - 704.40	3	HE	BN	40.0
703.50 - 704.40	1	BH	BN	45.0
703.50 - 704.40	2	HE	BN	45.0
703.50 - 704.40	1	HE	BN	15.0
703.50 - 704.40	1	YCY	INT	15.0
703.50 - 704.40	1	SIL	INT	85.0
704.40 - 708.90	3	BH	PERV	75.0
704.40 - 708.90	2	HE	MOT	25.0
704.40 - 708.90	1	YCY	INT	60.0
704.40 - 708.90	2	YCY	INT	40.0
708.90 - 720.00	1	SIL	INT	80.0
708.90 - 720.00	1	YCY	INT	80.0
708.90 - 720.00	2	HE	BIR	5.0
708.90 - 720.00	1	BH	BIR	5.0
708.90 - 720.00	3	HE	IRR	5.0
708.90 - 720.00	3	BH	PERV	90.0
720.00 - 756.80	3	HE	BIR	15.0
720.00 - 756.80	2	HE	BIR	25.0
720.00 - 756.80	1	HE	BIR	15.0
720.00 - 756.80	3	BH	BN	45.0
720.00 - 756.80	1	WCY	INT	100.0
720.00 - 756.80	1	YCY	INT	60.0
720.00 - 756.80	2	HS	BN	10.0

heavy mineral bands (specular hematite) locally

756.80 - 768.80	2	HE	BIR	60.0
756.80 - 768.80	3	HE	BIR	10.0
756.80 - 768.80	1	YCY	INT	80.0
756.80 - 768.80	3	BH	BIR	20.0
756.80 - 768.80	1	HE	BIR	10.0
756.80 - 768.80	2	BH	BIR	10.0
756.80 - 768.80	1	BH	BIR	60.0
756.80 - 768.80	2	YCY	INT	20.0
768.80 - 794.00	3	BH	BIR	65.0

from 756.8 to end of hole there is a transition from YCY to WCY (subtle and difficult to pinpoint)

768.80 - 794.00	3	HE	BIR	20.0
768.80 - 794.00	2	HE	BIR	15.0
768.80 - 794.00	1	BH	BIR	15.0
768.80 - 794.00	1	WCY	INT	100.0
768.80 - 794.00	2	WCY	INT	35.0
768.80 - 794.00	2	LI	BN	5.0

restricted to silty sandstone beds

768.80 - 794.00	2	HS	BN	10.0
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DDH DAD-0003

CAMECO CORPORATION - EXPLORATION DIVISION

June 22, 1999

Report for Deaf Adder Project - Drill Hole DAD-0003

1. Drill Hole Information

Drill Hole (DDH#):	DAD-0003	Total Hole Depth:	83.00 metres
Grid Name:	Flying Ghost	Casing Depth:	0.00 metres
Disposition:	EL 5061	Water Depth:	0.00 metres
NTS Number:		Overburden Depth:	0.00 metres
Hole Logged By:	Garth Drever	Rating:	
Company Name:	Cameco Australia	Core Size:	NQ
Contractor:	Century Drilling	Grid Angle:	0 degrees
Date Started:	September 2, 1998	Collar Elevation:	331.89 metres
Date Completed:	September 3, 1998	Land Surface Elevation:	331.89 metres
Date Logged:	September 16, 1998	Elevation Relative to:	OMNISTAR
Collar Grid Coordinates:	85300+25 North, 3183+55 East	Elevation Determined by:	DUMPY LEVEL
Collar UTM Coordinates:	8530025 North, 318355 East		
Collar Survey Coordinates:	0.000 North, 0.000 East		
Collar Computed Coordinates:	8530025.000 North, 318355.000 East		

2. Orientation Information

Depth (metres)	Azimuth (degrees)	Inclination (degrees)	Act Depth (metres)	Computed North	Surface Coordinates East	Deviation Test	Recorded By
0.00	240.0	-60.0	0.00	8530025.00	318355.00	Level	Level
82.00	240.0	-60.0	71.01	8530004.50	318319.49	Level	Level

3. Lithology Information - General

Depth (metres)	Colors	Grain Size (mm)	% Text	Rock Type	Qual	Minerals	Rock	Litho
From - To	1 2	Average Maximum		1	2	1 2 3	Type	Facies
0.00 - 6.85			100				SDST	
6.85 - 6.92			80				SILT	
6.85 - 6.92			20				SDST	
6.92 - 8.00			100 LC				SDST	
8.00 - 9.00			80 BD				CLAY	
8.00 - 9.00			20 BD				MVMV	
9.00 - 22.00			100 AL				MVMV	
22.00 - 61.15			100 BD				SDST	
61.15 - 83.00			20 BD	M SY			SDST	
61.15 - 83.00			80 BD				SDST	

4. Lithology Information - Detailed

Depth (metres)	Cumulative Thickness (cm)	Clay Pebbles	Siltstone	Max. Pebble	RQD	Formation
From - To	Interclasts	> 4mm	Granules 2-4mm	Size (mm)	%	
-----	No Detailed Lithology Information for this hole.					

5. Structure Information - General

Depth (metres)	Bedding Angle	Contact Angle	Foliation Angle	Frac Angle	Frac Feat	Frac/m	Friab	Recover %	Probe
0.00						BC	2	50	0
0.30						1	1	50	0
1.00	60					BC	1	50	0
1.30						1	1	50	0
2.20	65					1	1	50	0
2.40						BC	3	20	0
2.70						1	2	100	0
2.90	60			60	2WCY	1	2	100	0
2.90				60	OF	1	2	100	0
2.90				60	PLB	1	2	100	0
3.30				35	CF	<1	1	100	0
4.70	64					<1	1	100	0
6.90	70			70	3SGG	GG	3	100	0
6.90				70	PLB	GG	3	100	0
6.90				70	OF	GG	3	100	0
6.98						1	2	100	0
7.10						UN	4	90	0
7.70						BC	3	90	0
8.50	55					BC	4	90	0
9.60	70					BC	3	90	0
9.80						BC	4	90	0
11.00						2	3	90	0
12.00	55					2	3	90	0

13.40		25	20Z	2	3	75	0
13.40		25	3LI	2	3	75	0
13.40		25	2HE	2	3	75	0
13.40		25	CF	2	3	75	0
13.90				BC	4	20	0
16.50	55			BC	4	20	0
17.10		20	3LI	3	3	40	0
17.10		20	OF	3	3	40	0
17.10		20	3HE	3	3	40	0
18.50				BC	4	40	0
19.60		15	3HE	3	3	40	0
8mm wide hematite fracture (red)							
19.60		15	CF	3	3	40	0
20.00				3	3	50	0
20.80	64	40	CF	3	3	50	0
22.00	40	37	1GCY	3	1	100	0
Contact with volcanic							
22.00		37	1HE	3	1	100	0
22.00		37	OF	3	1	100	0
22.00		21	1DOZ	3	1	100	0
22.00		21	CF	3	1	100	0
22.35	65			0	1	100	0
24.25	52			0	1	100	0
25.65	70			0	1	100	0
defined by siltbed (bedding)							
28.65	65			0	1	100	0
29.30	62			0	1	100	0
31.00	66	66	OF	0	1	100	0
31.00		66	PLB	0	1	100	0
32.35	50			0	1	100	0
32.90				BC	1	100	0
33.00	63			0	1	100	0
34.00	60			0	1	100	0
35.50	60			0	1	100	0
36.60		30	1QZ	<1	1	100	0
36.60		30	CF	<1	1	100	0
37.10	68			<1	1	100	0
38.00	60			<1	1	100	0
38.20	45	45	OF	<1	1	100	0
40.00	65			<1	1	100	0
41.80	70	70	2DSG	<1	1	100	0
totally healed indurated gouge							
41.80		70	CF	<1	1	100	0
41.80		70	PLB	<1	1	100	0
43.50	60			<1	1	100	0
46.15		40	OF	<1	1	100	0
46.15		40	PLB	<1	1	100	0
47.30	76	35	HF	<1	1	100	0
47.30		35	CF	<1	1	100	0
49.00	55	35	2HS	<1	1	100	0
49.00		35	CF	<1	1	100	0
52.20	65			<1	1	100	0
54.00	65			<1	1	100	0
55.05	60	60	1DOZ	8	1	100	0
55.05		60	SSK	8	1	100	0
55.05		60	PLB	8	1	100	0
55.10		5	2WCY	8	1	100	0
55.10		5	CF	8	1	100	0
55.30		10	CF	0	1	100	0
56.40	60	25	BH	0	1	100	0
56.40		25	OF	0	1	100	0
57.25				BC	2	100	0
57.40	50	50	OF	<1	1	100	0
57.40		50	PLB	<1	1	100	0
57.40		50	SSK	<1	1	100	0
60.15	55			<1	1	100	0
bedding defined by stylolites							
63.00	60			<1	1	100	0
63.80		22	CF	<1	1	100	0
63.80		22	BH	<1	1	100	0
64.85	58	9	1DOZ	0	1	100	0
64.85		9	OF	0	1	100	0
67.00	63			0	1	100	0
67.40	30			0	1	100	0
bedding along stylolites							
68.50	54			0	1	100	0
bedding along silt beds							
71.90		2	1DOZ	1	1	100	0
71.90		2	CF	1	1	100	0
72.60		28	OF	1	1	100	0
74.85	64	22	OF	1	1	100	0
74.85		22	BH	1	1	100	0
76.20		9	1WCY	3	1	100	0
76.20		9	1DOZ	3	1	100	0
76.20		9	OF	3	1	100	0
76.50		35	CF	3	1	100	0
76.85		25	CF	3	1	100	0
76.85		25	BH	3	1	100	0
76.85		25	SH	3	1	100	0
77.10		6	OF	<1	1	100	0

77.10		6	1DOZ	<1	1	100	0
78.50	60			<1	1	100	0
78.85		28	1DOZ	3	1	100	0
78.85		28	CF	3	1	100	0
78.85		28	1PY	3	1	100	0
79.00		14	CF	3	1	100	0
79.10		8	OF	3	1	100	0
79.30		14	CF	2	1	100	0
80.10		35	OF	1	1	100	0
sigmoidal shaped fracture							
81.00	50	10	CF	<1	1	100	0
82.90	53	10	CF	<1	1	100	0

6. Remark Information - General

Depth
(metres)

----- No General Remark Information for this hole.

7. Hydrothermal Alteration Information

Depth (metres) From - To	Strat	Hydrothermal Alteration Intensity	Type	Distrib	Percent %
0.10 - 2.50		2	HE	MOT	60.0
0.10 - 2.50		3	BH	PAT	40.0
0.10 - 2.50		1	SIL	INT	100.0
2.50 - 3.80		3	BH	PERV	95.0
2.50 - 3.80		3	HE	BN	5.0
2.50 - 3.80		2	LI	BIR	3.0
3.80 - 4.80		2	HE	MOT	85.0
3.80 - 4.80		3	BH	PAT	15.0
3.80 - 4.80		1	WCY	WDIS	75.0
4.80 - 6.80		2	BH	PERV	80.0
4.80 - 6.80		3	BH	PERV	20.0
4.80 - 6.80		1	HE	PERV	80.0
4.80 - 6.80		1	WCY	INT	100.0
6.80 - 6.95		3	CY	MTC	40.0
6.80 - 6.95		3	HE	BED	10.0
clay altered silty bed; structural gouge??					
6.95 - 7.60		3	BH	PERV	85.0
6.95 - 7.60		2	LI	BIR	10.0
7.60 - 8.00		3	HE	IRR	20.0
7.60 - 8.00		2	LI	IRR	10.0
8.00 - 8.40		3	WCY	MTC	100.0
8.00 - 8.40		3	CY	PERV	100.0
8.40 - 9.30		2	HE	MTC	40.0
8.40 - 9.30		3	WCY	MTC	60.0
8.40 - 9.30		3	CY	PERV	80.0
9.30 - 11.00		3	HE	IRR	60.0
9.30 - 11.00		2	CY	MTC	90.0
11.00 - 12.60		2	BH	PERV	100.0
11.00 - 12.60		2	WCY	MTC	100.0
11.00 - 12.60		1	HE	MTC	50.0
11.00 - 12.60		2	CY	MTC	95.0
12.60 - 17.00		3	BH	PERV	20.0
bleached friable clay altered zone					
12.60 - 17.00		2	CY	MTC	65.0
12.60 - 17.00		3	WCY	MTC	20.0
12.60 - 17.00		2	LI	BED	5.0
12.60 - 17.00		1	LI	MATR	30.0
17.00 - 21.00		2	CY	MTC	80.0
dark greyish red to grey friable zone of bedded volcanics (altered)					
17.00 - 21.00		2	WCY	MATR	50.0
21.00 - 22.00		3	HE	BED	80.0
hematite altered fissile zone to sandstone contact below (22m)					
22.00 - 22.40		3	HE	PERV	85.0
22.00 - 22.40		2	SIL	INT	100.0
22.40 - 22.90		2	HE	PERV	60.0
22.40 - 22.90		1	HE	PERV	40.0
22.40 - 22.90		2	SIL	INT	100.0
22.40 - 22.90		2	BH	PERV	40.0
22.40 - 22.90		1	BH	PERV	60.0
22.90 - 23.50		3	BH	PERV	100.0
22.90 - 23.50		2	SIL	INT	100.0
23.50 - 24.20		3	BH	PERV	20.0
23.50 - 24.20		1	HE	BIR	80.0
23.50 - 24.20		2	BH	PERV	80.0
23.50 - 24.20		1	SIL	INT	100.0
24.20 - 29.50		2	HE	BIR	25.0
24.20 - 29.50		1	BH	BIR	25.0
24.20 - 29.50		3	BH	BIR	50.0
24.20 - 29.50		1	HE	BIR	25.0
24.20 - 29.50		2	BH	BIR	25.0
24.20 - 29.50		1	LI	INT	50.0
24.20 - 29.50		1	SIL	INT	100.0
29.50 - 31.30		3	BH	PERV	100.0

29.50 - 31.30	2	SI L	PERV	100.0
31.30 - 31.40	3	HE	BN	100.0
31.30 - 31.40	1	SI L	I NT	100.0
31.40 - 33.00	2	BH	PERV	80.0
31.40 - 33.00	1	HE	PERV	80.0
31.40 - 33.00	2	HE	BI R	20.0
31.40 - 33.00	1	BH	BI R	20.0
33.00 - 37.15	3	HE	MOT	80.0
33.00 - 37.15	3	BH	PAT	15.0
33.00 - 37.15	2	BH	I RR	5.0
33.00 - 37.15	1	HE	I RR	5.0
33.00 - 37.15	1	SI L	I NT	100.0
33.00 - 37.15	1	LI	MATR	20.0
37.15 - 37.80	2	HE	PAT	60.0
37.15 - 37.80	1	BH	PAT	60.0
37.15 - 37.80	3	BH	PAT	40.0
37.15 - 37.80	1	SI L	I NT	100.0
37.80 - 39.00	3	BH	PERV	100.0
37.80 - 39.00	2	SI L	I NT	100.0
37.80 - 39.00	1	LI	MATR	20.0
39.00 - 46.30	3	HE	BI R	15.0
39.00 - 46.30	2	HE	BI R	30.0
39.00 - 46.30	1	HE	BI R	50.0
39.00 - 46.30	3	BH	BI R	5.0
39.00 - 46.30	2	BH	BI R	50.0
39.00 - 46.30	1	BH	BI R	30.0
39.00 - 46.30	2	SI L	I NT	100.0
46.30 - 47.90	3	BH	PERV	100.0
46.30 - 47.90	2	SI L	I NT	100.0
47.90 - 59.00	3	HE	BI R	45.0
47.90 - 59.00	3	BH	BI R	15.0
47.90 - 59.00	2	HE	BI R	40.0
47.90 - 59.00	1	BH	BI R	40.0
47.90 - 59.00	1	WCY	I NT	35.0
47.90 - 59.00	2	SI L	I NT	40.0
47.90 - 59.00	1	SI L	I NT	60.0
47.90 - 59.00	1	LI	MATR	50.0
59.00 - 63.80	2	HE	MOT	20.0
59.00 - 63.80	1	HE	BI R	75.0
59.00 - 63.80	3	BH	BN	5.0
59.00 - 63.80	2	SI L	I NT	100.0
59.00 - 63.80	2	BH	BI R	75.0
63.80 - 66.00	3	BH	PERV	100.0
63.80 - 66.00	2	SI L	I NT	100.0
66.00 - 67.80	1	HE	BI R	20.0
66.00 - 67.80	2	HE	BI R	20.0
66.00 - 67.80	2	BH	BI R	20.0
66.00 - 67.80	1	BH	BI R	20.0
66.00 - 67.80	3	BH	BN	60.0
66.00 - 67.80	2	SI L	I NT	60.0
66.00 - 67.80	1	SI L	I NT	40.0
67.80 - 71.50	2	HE	MOT	80.0
purplish grey color				
67.80 - 71.50	3	BH	SPOT	30.0
67.80 - 71.50	2	BH	I RR	20.0
67.80 - 71.50	1	HE	I RR	20.0
67.80 - 71.50	2	SI L	I NT	100.0
67.80 - 71.50	2	LI	BED	10.0
from 68.6 to 68.85m				
71.50 - 83.00	1	HE	MOT	35.0
71.50 - 83.00	2	BH	MOT	35.0
71.50 - 83.00	3	BH	BI R	45.0
71.50 - 83.00	2	HE	MOT	20.0
71.50 - 83.00	1	BH	MOT	20.0
71.50 - 83.00	2	SI L	I NT	100.0

DDH DAD-0004

CAMECO CORPORATION - EXPLORATION DIVISION

June 22, 1999

Report for Deaf Adder Project - Drill Hole DAD-0004

1. Drill Hole Information

Drill Hole (DDH#):	DAD-0004	Total Hole Depth:	275.00 metres
Grid Name:	Flying Ghost	Casing Depth:	0.00 metres
Disposition:	EL 5061	Water Depth:	0.00 metres
NTS Number:		Overburden Depth:	0.00 metres
Hole Logged By:	Garth Drever		
Company Name:	Cameco Australia	Rating:	
Contractor:	Century Drilling	Core Size:	NQ
Date Started:	September 8, 1998	Grid Angle:	0 degrees
Date Completed:	September 14, 1998	Collar Elevation:	321.85 metres
Date Logged:	September 16, 1998	Land Surface Elevation:	321.85 metres
Collar Grid Coordinates:	85299+44 North, 3182+03 East	Elevation Relative to:	OMNISTAR
Collar UTM Coordinates:	8529944 North, 318203 East	Elevation Determined by:	DUMPY LEVEL
Collar Survey Coordinates:	0.000 North, 0.000 East		
Collar Computed Coordinates:	8529944.000 North, 318203.000 East		

2. Orientation Information

Depth (metres)	Azimuth (degrees)	Inclination (degrees)	Act Depth (metres)	Computed Surface North	Coordinates East	Deviation Test	Recorded By
0.00	240.0	-60.0	0.00	8529944.00	318203.00	Level	Level
270.00	240.0	-60.0	233.83	8529876.50	318086.09	Level	Level

3. Lithology Information - General

Depth (metres)	Colors	Grain Size (mm)	% Text	Rock Type	Qual	Minerals	Rock Type	Litho Facies
From - To	1 2	Average Maximum		1	2	1 2 3		
0.00 - 41.00			100					SDST
41.00 - 43.10			60					SDST
41.00 - 43.10			40	W	SY			SDST
43.10 - 43.50			55	S	SY			SDST
43.10 - 43.50			45					SDST
43.50 - 68.00			100					SDST
68.00 - 74.60			60					SDST
68.00 - 74.60			40	M	SY			SDST
74.60 - 86.80			100					SDST
86.80 - 104.30			40	M	SY			SDST
86.80 - 104.30			60					SDST
104.30 - 133.00			100					SDST
133.00 - 161.40			40	W	SY			SDST
133.00 - 161.40			60					SDST
161.40 - 185.40			20	M	SY			SDST
161.40 - 185.40			80					SDST
185.40 - 238.00			100					SDST
238.00 - 272.12			35	W	SY			SDST
238.00 - 272.12			65					SDST
272.12 - 272.22		2.00 4.00	100 MX	BD				MVAM
272.22 - 272.35		4.00 10.00	100 MX	S AM				MVAM
272.35 - 272.70		3.00 8.00	100 BX	S AM				MVAM
272.70 - 274.70		3.00 15.00	100 BX	M AM				MVFX
274.70 - 275.00		2.00 10.00	100 BX	W AM				MVAM

4. Lithology Information - Detailed

Depth (metres)	Cumulative Thickness (cm)	Clay	Pebbles	Granules	Siltstone	Max. Pebble	RQD	Formation
From - To		Interclasts	> 4mm	2-4mm	Mudstone	Size (mm)	%	
-----	No Detailed Lithology Information for this hole.							

5. Structure Information - General

Depth (metres)	Bedding Angle	Contact Angle	Foliation Angle	Frac Angle	Frac Feat	Frac/m	Fri ab	Recover %	Probe
0.00						0	1	50	0
0.50	45					0	1	50	0
1.70				40	1DQZ	3	1	100	0
1.70				40	VUG	3	1	100	0
1.70				40	CF	3	1	100	0
1.95				38	1DQZ	3	1	100	0
1.95				38	VUG	3	1	100	0
1.95				38	CF	3	1	100	0
2.30	60			32	1DQZ	3	1	100	0

2. 30		32	VUG	3	1	100	0
2. 30		32	CF	3	1	100	0
2. 60				BC	1	100	0
2. 75		25	OF	<1	1	100	0
2. 75		25	1LI	<1	1	100	0
2. 75		25	1WCY	<1	1	100	0
2. 80		45	CF	<1	1	100	0
2. 80		45	1LI	<1	1	100	0
4. 15	62	30	2DQZ	2	1	100	0
4. 15		30	VUG	2	1	100	0
4. 15		30	CF	2	1	100	0
4. 15		30	1HS	2	1	100	0
specular hematite after DQZ							
4. 80		38	1QZ	8	1	100	0
4. 80		38	CF	8	1	100	0
4. 98	48	35	1QZ	<1	1	100	0
bedding defined by stylolites							
4. 98		35	CF	<1	1	100	0
6. 45	47	62	1QZ	2	1	100	0
6. 45		62	CF	2	1	100	0
7. 00		43	1DQZ	2	1	100	0
7. 00		43	1QZ	2	1	100	0
7. 00		43	CF	2	1	100	0
7. 70	58	55	1DSG	6	1	100	0
7. 70		55	1DQZ	6	1	100	0
7. 70		55	VUG	6	1	100	0
7. 70		55	CF	6	1	100	0
7. 85		65	2DQZ	6	1	100	0
7. 85		65	OF	6	1	100	0
7. 85		65	VUG	6	1	100	0
7. 92		62	2DQZ	6	1	100	0
7. 92		62	CF	6	1	100	0
7. 92		62	VUG	6	1	100	0
7. 98		50	1QZ	HX	1	100	0
7. 98		50	CF	HX	1	100	0
8. 10		65	2DQZ	2	1	100	0
8. 10		65	2QZ	2	1	100	0
8. 10		65	VUG	2	1	100	0
8. 70		42	1QZ	5	1	100	0
8. 70		42	CF	5	1	100	0
8. 85	46	46	1DQZ	<1	1	100	0
8. 85		46	OF	<1	1	100	0
8. 85		46	PLB	<1	1	100	0
10. 70		36	2DQZ	<1	1	100	0
10. 70		36	CF	<1	1	100	0
10. 70		36	VUG	<1	1	100	0
11. 10		40	2DQZ	HX	1	100	0
11. 10		40	2QZ	HX	1	100	0
11. 10		40	CF	HX	1	100	0
11. 20	58	55	HBX	1	1	100	0
3 cm wide weakly brecciated fracture with QZ & DQZ flooding (hydraulic brecciation with no visible offset)							
11. 20		55	2DQZ	1	1	100	0
11. 20		55	3QZ	1	1	100	0
11. 20		55	CF	1	1	100	0
11. 90	48	45	2DQZ	1	1	100	0
11. 90		45	OF	1	1	100	0
12. 25		35	1DQZ	1	1	100	0
12. 25		35	CF	1	1	100	0
12. 60				BC	1	100	0
12. 85		35	1QZ	<1	1	100	0
12. 85		35	CF	<1	1	100	0
13. 20	60			<1	1	100	0
16. 45	68	32	2QZ	4	1	100	0
16. 45		32	1DQZ	4	1	100	0
16. 45		32	CF	4	1	100	0
16. 55		38	2DQZ	2	1	100	0
16. 55		38	BX	2	1	100	0
16. 55		38	VUG	2	1	100	0
16. 55		38	2HE	2	1	100	0
HE after DQZ							
16. 95		38	1QZ	0	1	100	0
16. 95		38	1DQZ	0	1	100	0
16. 95		38	CF	0	1	100	0
19. 25	60			0	1	100	0
Nearly all fractures measured (excluding PLB) are between 10 and 25 degrees from vertical based on orientation with bedding							
20. 75	64			0	1	100	0
21. 75	60	45	1QZ	<1	1	100	0
21. 75		45	CF	<1	1	100	0
23. 80		30	1DQZ	2	1	100	0
23. 80		30	1QZ	2	1	100	0
23. 80		30	CF	2	1	100	0
24. 15	42	35	1DQZ	0	1	100	0
24. 15		35	1QZ	0	1	100	0
24. 15		35	CF	0	1	100	0
25. 85	57			0	1	100	0
26. 95	47			0	1	100	0
28. 20	43	36	1DQZ	1	1	100	0
28. 20		36	CF	1	1	100	0
28. 20		36	VUG	1	1	100	0
28. 20		36	1WCY	1	1	100	0
29. 15		35	1QZ	6	1	100	0

29.15		35	CF	6	1	100	0
29.18		42	OF	6	1	100	0
29.21		46	1QZ	6	1	100	0
29.21		46	CF	6	1	100	0
29.45		65	2DOZ	HX	1	100	0
29.45		65	HBX	HX	1	100	0
29.45		65	VUG	HX	1	100	0
29.45		65	1WCY	HX	1	100	0
29.45		65	HF	HX	1	100	0
29.55				4	1	100	0
29.60	60	45	1QZ	4	1	100	0
29.60		45	CF	4	1	100	0
29.70		45	1DOZ	4	1	100	0
29.70		45	1QZ	4	1	100	0
29.70		45	CF	4	1	100	0
30.20		30	2HE	4	1	100	0
30.20		30	CF	4	1	100	0
30.25		40	1QZ	4	1	100	0
30.25		40	CF	4	1	100	0
30.85	57	42	1QZ	<1	1	100	0
30.85		42	CF	<1	1	100	0
32.00	62			<1	1	100	0
33.10	61	46	2DOZ	<1	1	100	0
33.10		46	2QZ	<1	1	100	0
33.10		46	CF	<1	1	100	0
33.10		46	VUG	<1	1	100	0
34.50	52	50	1QZ	0	1	100	0
34.50		50	CF	0	1	100	0
34.55		44	1DOZ	0	1	100	0
34.55		44	CF	0	1	100	0
36.20	60			0	1	100	0
38.00	60			0	1	100	0
40.00		40	OF	<1	1	100	0
41.60	57			<1	1	100	0
42.70		30	CF	<1	1	100	0
43.20	50			<1	1	100	0

stylolites; parting along bedding is very common particularly where stylolites are abundant

44.15		37	1QZ	2	1	100	0
44.15		37	1DOZ	2	1	100	0
44.15		37	OF	2	1	100	0
44.15		37	PLB	2	1	100	0
44.85	55	55	PLB	1	1	100	0
44.85		55	2CY	1	1	100	0
45.85		30	1DOZ	3	1	100	0
45.85		30	CF	3	1	100	0
46.00		35	CF	3	1	100	0
46.00		35	1DOZ	3	1	100	0
46.80	61	50	1QZ	3	1	100	0
46.80		50	CF	3	1	100	0
47.60	68			3	1	100	0
48.50		48	2PY	5	1	100	0

small crystal growth on fracture surface

48.50		48	OF	5	1	100	0
48.60		15	OF	5	1	100	0
50.20	58	8	1QZ	5	1	100	0
50.20		8	CF	1	1	100	0
51.15		0	IR	<1	1	100	0
51.15		0	CF	<1	1	100	0

curved fracture

51.15		0	BH	<1	1	100	0
53.00	60			0	1	100	0
53.20	40			0	1	100	0
56.20		0	CF	0	1	100	0
58.30		4	OF	0	1	100	0
59.20	40			0	1	100	0
61.40		83	SH	SH	1	100	0

sheared zone // bedding adjacent to (top of) pinkish orange 20cm wide stylolitic bedded unit (competency contrast between fine grained massive unit above stylolitic unit below)

61.40		83	CF	SH	1	100	0
61.40		83	PLB	SH	1	100	0
61.48				<1	1	100	0
62.40	50			<1	1	100	0
63.00		10	OF	<1	1	100	0
63.00		10	IR	<1	1	100	0
64.75	44	18	OF	<1	1	100	0
65.85		65	2GG	<1	1	100	0
65.85		65	OF	<1	1	100	0
65.85		65	3WCY	<1	1	100	0

15cm wide yellow siltstone bed

66.00		15	2WCY	<1	1	100	0
66.00		15	OF	<1	1	100	0
66.10		14	1WCY	<1	1	100	0
66.10		14	OF	<1	1	100	0
66.25		50	HBX	HX	1	100	0
66.25		50	CF	HX	1	100	0
66.30				<1	1	100	0
67.80	45	47	OF	5	1	100	0
67.95		2	1DOZ	2	1	100	0
67.95		2	OF	2	1	100	0
69.55	55	18	OF	2	1	100	0

69.55		18	IR	2	1	100	0
70.15		22	1DQZ	2	1	100	0
70.15		22	CF	2	1	100	0
70.40		48	1DQZ	2	1	100	0
70.40		48	OF	2	1	100	0
70.40		48	VUG	2	1	100	0
71.25	55	50	OF	0	1	100	0
72.00	60			0	1	100	0
74.60	60			0	1	100	0
77.70	55			0	1	100	0
79.20	52			0	1	100	0
82.55	62			0	1	100	0
83.35		38	OF	1	1	100	0
84.65		30	1QZ	1	1	100	0
84.65		30	1DQZ	1	1	100	0
84.65		30	CF	1	1	100	0
84.80	58	45	1DQZ	0	1	100	0
84.80		45	1QZ	0	1	100	0
84.80		45	CF	0	1	100	0
87.00	50			0	1	100	0
90.00	50			0	1	100	0
92.70	52	45	1DQZ	<1	1	100	0
3-4 cm fracture extending up from stylolitic-rich (10-15cm wide) layer in sandstone							
92.70		45	OF	<1	1	100	0
92.70		45	VUG	<1	1	100	0
92.70		45	1HXX	<1	1	100	0
unidentified honey (amber colored) colored crystals 1-2mm in size; 2 crystals growing in DQZ							
94.00		0	CF	0	1	100	0
97.50	60			0	1	100	0
101.90	60			0	1	100	0
103.60	62			0	1	100	0
106.10	60			0	1	100	0
107.75	65	42	1DQZ	1	1	100	0
107.75		42	CF	1	1	100	0
107.75		42	VUG	1	1	100	0
107.75		42	1HS	1	1	100	0
108.65		45	1QZ	6	1	100	0
108.65		45	CF	6	1	100	0
108.75		52	1DQZ	6	1	100	0
108.75		52	OF	6	1	100	0
108.75		52	2AXX	6	1	100	0
2AXX coating DQZ							
109.00		35	1DQZ	2	1	100	0
109.00		35	VUG	2	1	100	0
109.90		57	HF	8	1	100	0
109.90		57	CF	8	1	100	0
110.03		37	1DQZ	8	1	100	0
110.03		37	OF	8	1	100	0
110.03		37	1NXX	8	1	100	0
platey black, very small crystals, soft (possibly biotite?)							
110.13	70	42	1DQZ	8	1	100	0
110.13		42	VUG	8	1	100	0
110.13		42	1NXX	8	1	100	0
110.13		42	CF	8	1	100	0
110.35		32	1QZ	2	1	100	0
110.35		32	1DQZ	2	1	100	0
110.35		32	CF	2	1	100	0
110.35		32	IR	2	1	100	0
110.75		42	1QZ	<1	1	100	0
110.75		42	CF	<1	1	100	0
112.75		42	1QZ	<1	1	100	0
112.75		42	CF	<1	1	100	0
114.10	60	20	1QZ	<1	1	100	0
114.10		20	CF	<1	1	100	0
114.70		15	2LI	10	2	100	0
114.70		15	OF	10	2	100	0
114.70		15	1WCY	10	2	100	0
114.80		8	2LI	10	2	100	0
114.80		8	OF	10	2	100	0
114.92		60	2SGG	1	1	100	0
114.92		60	PLB	1	1	100	0
114.92		60	2WCY	1	1	100	0
115.85		40	HF	1	1	100	0
115.85		40	CF	1	1	100	0
116.75		30	1DQZ	3	1	100	0
116.75		30	VUG	3	1	100	0
116.75		30	CF	3	1	100	0
116.80		2	1DQZ	3	1	100	0
116.80		2	CF	3	1	100	0
117.05	60	20	1DQZ	1	1	100	0
117.05		20	CF	1	1	100	0
119.30		2	CF	<1	1	100	0
122.85	60	60	PLB	<1	1	100	0
122.85		60	1SGG	<1	1	100	0
124.85		35	1DQZ	4	1	100	0
124.85		35	CF	4	1	100	0
124.85		35	VUG	4	1	100	0
124.95		50	1QZ	1	1	100	0
124.95		50	CF	1	1	100	0
125.70		35	1QZ	<1	1	100	0
125.70		35	CF	<1	1	100	0
126.30	70			<1	1	100	0
129.00	57	28	HF	2	1	100	0

129.00		28	CF	2	1	100	0
129.00		28	2WCY	2	1	100	0
129.10		32	1DQZ	<1	1	100	0
129.10		32	OF	<1	1	100	0
129.10		32	2WCY	<1	1	100	0
130.00		35	OF	<1	1	100	0
130.00		35	1WCY	<1	1	100	0
white coating on fracture surface							
131.75		50	OF	<1	1	100	0
133.10	62	40	CF	0	1	100	0
135.00	55			0	1	100	0
138.30	60	0	HF	0	1	100	0
138.30		0	CF	0	1	100	0
142.00	66			0	1	100	0
145.25	42	3	2QZ	8	1	100	0
145.25		3	CF	8	1	100	0
145.35		13	2QZ	<1	1	100	0
145.35		13	CF	<1	1	100	0
148.00	53	53	PLB	<1	1	100	0
148.00		53	OF	<1	1	100	0
148.00		53	2WCY	<1	1	100	0
149.30		25	OF	<1	1	100	0
151.85	60	50	CF	<1	1	100	0
151.85		50	1WCY	<1	1	100	0
151.85		50	1QZ	<1	1	100	0
152.70	61	45	CF	<1	1	100	0
152.70		45	1QZ	<1	1	100	0
154.50		30	CF	<1	1	100	0
154.50		30	1QZ	<1	1	100	0
154.50		30	1WCY	<1	1	100	0
154.50		30	OF	<1	1	100	0
156.20	62	40	1DQZ	10	1	100	0
156.20		40	OF	10	1	100	0
156.70		33	1DQZ	10	1	100	0
156.70		33	VUG	10	1	100	0
156.70		33	OF	10	1	100	0
156.75	70	42	CF	0	1	100	0
156.75		42	1DQZ	0	1	100	0
156.75		42	VUG	0	1	100	0
159.00	50			0	1	100	0
161.00	40			0	1	100	0
161.50	58			BC	1	100	0
core broken along bedding (yellow clay) Abundant yellow and pink clay occurring on stylolitic surfaces throughout							
161.53				0	1	100	0
165.00	60			0	1	100	0
soft sediment deformation (See photo)							
168.00	40			0	1	100	0
172.03	66			0	1	100	0
175.80	58			0	1	100	0
179.20	54			0	1	100	0
182.85	62	42	OF	2	1	100	0
182.85		42	BH	2	1	100	0
183.30	60	42	CF	2	1	100	0
183.30		42	HF	2	1	100	0
183.70		8	CF	<1	1	100	0
185.10		35	OF	<1	1	100	0
185.10		35	1QZ	<1	1	100	0
188.30	55			<1	1	100	0
190.70		14	1DQZ	0	1	100	0
fracture extending upward from stylolites (3cm)							
190.70		14	CF	0	1	100	0
193.50	62			0	1	100	0
196.85	40	40	PLB	0	1	100	0
196.85		40	OF	0	1	100	0
196.85		40	1YCY	0	1	100	0
199.85	48			0	1	100	0
204.50	60			0	1	100	0
207.90	63			0	1	100	0
211.10	65			0	1	100	0
213.80	48			0	1	100	0
215.80	53			0	1	100	0
219.30	58	53	1DQZ	0	1	100	0
219.30		53	VUG	0	1	100	0
219.30		53	CF	0	1	100	0
223.90	52			0	1	100	0
228.00	60			0	1	100	0
230.85		30	1DQZ	10	1	100	0
230.85		30	CF	10	1	100	0
230.90		35	3HXX	1	1	100	0
several large honey colored crystals up to 7mm in length							
230.90		35	OF	1	1	100	0
230.90		35	2DQZ	1	1	100	0
230.90		35	VUG	1	1	100	0
231.80	62	45	2DQZ	1	1	100	0
silt bed							
231.80		45	VUG	1	1	100	0
231.80		45	CF	1	1	100	0
233.20		40	1QZ	<1	1	100	0
233.20		40	CF	<1	1	100	0
234.00	60			<1	1	100	0

236. 20	55	35	2DQZ	0	1	100	0	
236. 20		35	2OZ	0	1	100	0	
236. 20		35	CF	0	1	100	0	
236. 20		35	VUG	0	1	100	0	
240. 00	47			0	1	100	0	
243. 10	64			0	1	100	0	
243. 60	66			0	1	100	0	
245. 30	60	43	OF	2	1	100	0	
245. 90		30	1DQZ	<1	1	100	0	
245. 90		30	CF	<1	1	100	0	
245. 90		30	VUG	<1	1	100	0	
248. 20		40	2HE	5	1	100	0	
zone of 25cm of subvertical tension fractures from 10mm to several cm long with 2HE; some show mmetric off set along bedding planes (locally an abundance of clay clasts (thin))								
248. 20		40	CF	5	1	100	0	
248. 20		50	1OZ	5	1	100	0	
248. 45				0	1	100	0	
250. 30		42	2HE	SH	2	100	0	
shearing related to silty beds and clay along bedding planes								
250. 36				<1	1	100	0	
251. 80	55			6	1	100	0	
251. 90		35	OF	6	1	100	0	
251. 90		35	CF	6	1	100	0	
251. 90		35	1OZ	6	1	100	0	
252. 00		10	OF	6	1	100	0	
252. 00		10	BH	6	1	100	0	
252. 10		45	1OZ	BX	1	100	0	
252. 10		45	CF	BX	1	100	0	
252. 16				5	1	100	0	
252. 30	60	60	PLB	5	1	100	0	
252. 30		60	1OZ	5	1	100	0	
252. 30		60	OF	5	1	100	0	
252. 30		60	CF	5	1	100	0	
252. 80		18	OF	5	1	100	0	
252. 90		52	2LI	5	1	100	0	
252. 90		52	OF	5	1	100	0	
253. 03	60	60	PLB	BC	1	100	0	
253. 03		60	2LI	BC	1	100	0	
253. 03		60	OF	BC	1	100	0	
253. 04		20	1DQZ	BC	1	100	0	
253. 14		55	1OZ	BC	1	100	0	
253. 14		55	CF	BC	1	100	0	
253. 20		40	PLB	BC	1	100	0	
253. 20		40	2LI	BC	1	100	0	
253. 20		40	OF	BC	1	100	0	
253. 25		35	1DQZ	BC	1	100	0	
253. 25		35	1OZ	BC	1	100	0	
253. 25		35	OF	BC	1	100	0	
253. 30				0	0	0	0	
cavi ty (253. 3 to 254. 0m)								
254. 00		15	2GCY	8	1	100	0	
254. 00		15	GXX	8	1	100	0	
254. 00		15	OF	8	1	100	0	
254. 25		42	2LI	3	1	100	0	
254. 25		42	OF	3	1	100	0	
254. 25		42	2GCY	3	1	100	0	
254. 50		55	CF	3	1	100	0	
254. 50		55	2LI	3	1	100	0	
254. 80	55	55	CF	<1	1	100	0	
254. 80		55	PLB	<1	1	100	0	
254. 80		55	3LI	<1	1	100	0	
3LI & 2OZ // beddi ng								
254. 80		55	2OZ	<1	1	100	0	
256. 75	57	45	1OZ	<1	1	100	0	
256. 75		45	CF	<1	1	100	0	
258. 10		45	BH	<1	1	100	0	
258. 10		45	CF	<1	1	100	0	
259. 85	55	55	2DQZ	4	1	100	0	
259. 85		55	OF	4	1	100	0	
259. 85		55	VUG	4	1	100	0	
260. 00		40	2DQZ	4	1	100	0	
260. 00		40	OF	4	1	100	0	
260. 00		40	VUG	4	1	100	0	
260. 00		40	2WCY	4	1	100	0	
260. 20	50	80	80	2DQZ	4	1	100	0
Contact wi th DQZ filled cavi ty and silici fied sandstone (see orientation measurements & Photo)								
260. 20		80	OF	4	1	100	0	
260. 20		80	VUG	4	1	100	0	
261. 90	62			4	1	100	0	
262. 15		40	1DQZ	1	1	100	0	
262. 15		40	OF	1	1	100	0	
263. 25		45	1OZ	10	1	100	0	
263. 25		45	CF	10	1	100	0	
263. 25		45	FT	10	1	100	0	
3cm of reverse vertical movement (see photo)								
263. 35	55	45	1OZ	1	1	100	0	
263. 35		45	CF	1	1	100	0	
264. 60		58	1OZ	2	1	100	0	
264. 60		58	OF	2	1	100	0	
266. 50		52	1DQZ	10	1	100	0	
266. 50		52	CF	10	1	100	0	

266.50		52	VUG	10	1	100	0
266.60		30	HF	1	1	100	0
266.60		30	CF	1	1	100	0
267.75	52	40	OF	<1	1	100	0
270.15	58	42	CF	5	1	100	0
270.15		42	10Z	5	1	100	0
270.30		52	10Z	0	1	100	0
270.30		52	CF	0	1	100	0
272.03	62			0	1	100	0
272.10	65	65		0	1	100	0
Contact between sandstone and mafic volcanic flows							
273.00	58			FS	2	100	0
273.10				FS	3	100	0
274.70				FS	2	100	0

6. Remark Information - General

Depth
(metres)

----- No General Remark Information for this hole.

7. Hydrothermal Alteration Information

Depth (metres) From - To	Strat	Hydrothermal Alteration			Percent
		Intensity	Type	Distrib	%
0.00 - 1.10		1	SIL	INT	100.0
0.00 - 1.10		2	HE	PERV	100.0
0.00 - 1.10		1	BH	PERV	100.0
1.10 - 1.50		3	BH	PERV	100.0
1.10 - 1.50		1	SIL	INT	100.0
1.10 - 1.50		2	LI	IRR	30.0
1.50 - 1.85		1	HE	BIR	90.0
1.50 - 1.85		3	HE	BED	5.0
1.50 - 1.85		2	BH	BIR	90.0
1.50 - 1.85		1	BH	BIR	5.0
1.50 - 1.85		2	HE	BIR	5.0
1.50 - 1.85		1	SIL	INT	100.0
1.85 - 2.90		3	BH	PERV	100.0
1.85 - 2.90		3	LI	PAT	15.0
1.85 - 2.90		2	LI	IRR	50.0
1.85 - 2.90		1	SIL	INT	100.0
2.90 - 7.00		3	BH	PERV	90.0
2.90 - 7.00		1	HE	BIR	10.0
2.90 - 7.00		2	BH	BIR	10.0
2.90 - 7.00		1	SIL	INT	100.0
2.90 - 7.00		1	LI	BIR	15.0
7.00 - 12.60		3	BH	PERV	65.0
7.00 - 12.60		2	HE	MOT	25.0
7.00 - 12.60		1	BH	MOT	25.0
7.00 - 12.60		2	SIL	STRT	30.0
7.00 - 12.60		1	SIL	INT	70.0
7.00 - 12.60		1	HE	BIR	10.0
7.00 - 12.60		2	BH	BIR	10.0
12.60 - 16.30		3	HE	BN	50.0
pea-sized spotty bleaching throughout hematitic bands					
12.60 - 16.30		2	HE	BIR	20.0
12.60 - 16.30		3	BH	BIR	30.0
12.60 - 16.30		1	BH	BIR	20.0
12.60 - 16.30		1	SIL	INT	100.0
12.60 - 16.30		1	LI	INT	15.0
12.60 - 16.30		1	BH	SPOT	60.0
spotty bleaching of hematitic bands (although logged as weak (1BH) is actually strong... alteration interval contains 30% strong bleaching within irregular bands)					
16.30 - 21.25		3	BH	BN	10.0
16.30 - 21.25		1	HE	BIR	50.0
16.30 - 21.25		2	HE	BIR	35.0
16.30 - 21.25		3	HE	BIR	5.0
16.30 - 21.25		1	BH	BIR	35.0
16.30 - 21.25		2	BH	BIR	50.0
16.30 - 21.25		1	SIL	INT	100.0
21.25 - 24.80		3	BH	PERV	92.0
21.25 - 24.80		3	HE	BIR	4.0
21.25 - 24.80		2	HE	PAT	4.0
21.25 - 24.80		1	BH	PAT	4.0
21.25 - 24.80		2	SIL	INT	75.0
21.25 - 24.80		1	SIL	INT	25.0
21.25 - 24.80		1	LI	INT	15.0
24.80 - 31.50		3	BH	PERV	60.0
24.80 - 31.50		1	HE	PAT	30.0
24.80 - 31.50		2	HE	PAT	10.0
24.80 - 31.50		1	BH	PAT	10.0
24.80 - 31.50		2	BH	PAT	30.0
24.80 - 31.50		2	SIL	INT	50.0
24.80 - 31.50		1	SIL	INT	50.0
24.80 - 31.50		2	LI	INT	60.0
31.50 - 40.00		2	BH	BIR	70.0
31.50 - 40.00		3	HE	BIR	10.0
31.50 - 40.00		2	HE	BIR	20.0

31.50 -	40.00	1	HE	BI R	70.0
31.50 -	40.00	1	BH	BI R	20.0
31.50 -	40.00	2	LI	BI R	15.0
31.50 -	40.00	1	LI	BI R	30.0
31.50 -	40.00	1	SIL	INT	80.0
40.00 -	46.80	3	BH	PERV	80.0
40.00 -	46.80	2	HE	PAT	20.0
40.00 -	46.80	1	BH	PAT	20.0
40.00 -	46.80	2	SIL	INT	80.0
SIL related to strong bleaching					
40.00 -	46.80	1	LI	INT	15.0
LI related to stylolite development (abundant partings along stylolites)					
46.80 -	47.40	2	LI	BI R	80.0
46.80 -	47.40	3	BH	PERV	80.0
46.80 -	47.40	1	HE	BI R	20.0
46.80 -	47.40	2	BH	BI R	20.0
46.80 -	47.40	1	SIL	INT	100.0
47.40 -	50.60	3	BH	PERV	90.0
47.40 -	50.60	1	HE	PAT	10.0
47.40 -	50.60	2	BH	PAT	10.0
47.40 -	50.60	2	SIL	PERV	100.0
50.60 -	59.00	3	BH	BI R	60.0
50.60 -	59.00	2	HE	BI R	20.0
50.60 -	59.00	1	HE	BI R	20.0
50.60 -	59.00	2	SIL	PERV	75.0
50.60 -	59.00	1	SIL	INT	25.0
59.00 -	59.90	3	BH	PERV	60.0
59.00 -	59.90	2	LI	INT	50.0
59.00 -	59.90	1	LI	INT	20.0
59.00 -	59.90	2	BH	BI R	40.0
59.00 -	59.90	1	HE	BI R	40.0
59.00 -	59.90	2	SIL	BI R	40.0
59.00 -	59.90	1	SIL	BI R	60.0
59.90 -	61.40	3	BH	PERV	100.0
59.90 -	61.40	2	SIL	PERV	100.0
61.40 -	61.85	2	BH	PERV	100.0
abundant bedding planes (stylolitic) on millimetric scale					
61.40 -	61.85	1	HE	PERV	100.0
61.40 -	61.85	2	LI	BED	30.0
61.85 -	64.80	3	BH	PERV	100.0
61.85 -	64.80	2	SIL	PERV	100.0
64.80 -	64.90	1	HE	PERV	80.0
64.80 -	64.90	2	BH	PERV	80.0
64.80 -	64.90	3	BH	BI R	20.0
64.80 -	64.90	2	SIL	PERV	100.0
64.90 -	66.00	2	CY	MTC	100.0
clay altered siltstone (11.5cm wide)					
64.90 -	66.00	2	YCY	MTC	100.0
66.00 -	74.60	3	BH	PERV	45.0
66.00 -	74.60	2	HE	BI R	30.0
66.00 -	74.60	1	HE	BI R	25.0
66.00 -	74.60	1	BH	BI R	30.0
66.00 -	74.60	2	BH	BI R	25.0
66.00 -	74.60	2	SIL	PERV	100.0
74.60 -	83.00	3	HE	BN	25.0
74.60 -	83.00	2	LI	BN	60.0
74.60 -	83.00	1	LI	BI R	20.0
74.60 -	83.00	2	HE	BI R	20.0
74.60 -	83.00	1	HE	BI R	25.0
74.60 -	83.00	1	BH	BI R	20.0
74.60 -	83.00	2	BH	BI R	25.0
74.60 -	83.00	1	YCY	INT	100.0
74.60 -	83.00	3	BH	BI R	20.0
83.00 -	113.20	3	BH	BI R	40.0
83.00 -	113.20	2	HE	BI R	50.0
83.00 -	113.20	1	HE	BI R	10.0
83.00 -	113.20	1	SIL	INT	80.0
83.00 -	113.20	2	SIL	INT	20.0
83.00 -	113.20	1	BH	BI R	50.0
83.00 -	113.20	2	BH	BI R	10.0
83.00 -	113.20	1	LI	IRR	20.0
83.00 -	113.20	2	LI	IRR	15.0
113.20 -	115.60	3	HE	BN	60.0
113.20 -	115.60	2	BH	BN	30.0
113.20 -	115.60	1	BH	BN	10.0
113.20 -	115.60	2	LI	INT	10.0
113.20 -	115.60	1	LI	INT	20.0
113.20 -	115.60	2	SIL	BN	30.0
113.20 -	115.60	1	SIL	INT	50.0
115.60 -	128.70	2	HE	MOT	65.0
115.60 -	128.70	2	BH	MOT	25.0
115.60 -	128.70	3	BH	BI R	10.0
115.60 -	128.70	1	HE	MOT	25.0
115.60 -	128.70	1	YCY	INT	90.0
115.60 -	128.70	2	YCY	INT	10.0
115.60 -	128.70	1	SIL	INT	50.0
115.60 -	128.70	2	SIL	INT	10.0
128.70 -	132.50	3	BH	PERV	85.0
128.70 -	132.50	1	HE	BI R	15.0
128.70 -	132.50	2	BH	BI R	15.0
128.70 -	132.50	1	YCY	INT	10.0
128.70 -	132.50	2	SIL	INT	85.0
132.50 -	170.15	2	HE	BI R	60.0

132.50 - 170.15	1	HE	BI R	30.0
132.50 - 170.15	3	BH	BI R	10.0
132.50 - 170.15	2	BH	BI R	30.0
132.50 - 170.15	1	SIL	INT	100.0
132.50 - 170.15	1	YCY	INT	80.0
170.15 - 172.00	2	HE	IRR	25.0
170.15 - 172.00	1	HE	BI R	50.0
170.15 - 172.00	3	BH	BI R	25.0
170.15 - 172.00	2	BH	BI R	50.0
170.15 - 172.00	2	LI	INT	25.0
170.15 - 172.00	1	SIL	INT	100.0
172.00 - 172.05	3	HE	BED	50.0

banded siltstone (red/green color bands (bedding))

172.05 - 172.30	3	BH	PERV	50.0
172.05 - 172.30	1	SIL	INT	50.0
172.30 - 172.50	3	HE	BN	70.0
172.30 - 172.50	2	HE	BN	30.0
172.30 - 172.50	1	SIL	INT	100.0
172.50 - 194.60	2	HE	BI R	50.0
172.50 - 194.60	3	BH	BI R	45.0
172.50 - 194.60	2	BH	BI R	5.0
172.50 - 194.60	1	HE	BI R	5.0
172.50 - 194.60	1	YCY	INT	100.0
172.50 - 194.60	2	SIL	INT	45.0
172.50 - 194.60	1	SIL	INT	55.0
194.60 - 195.20	2	HE	BN	10.0
194.60 - 195.20	3	BH	BN	80.0
194.60 - 195.20	3	LI	BN	10.0
194.60 - 195.20	1	BH	BN	10.0
194.60 - 195.20	1	YCY	INT	100.0
195.20 - 196.00	3	HE	BI R	10.0
195.20 - 196.00	2	HE	BI R	70.0
195.20 - 196.00	1	HE	IRR	20.0
195.20 - 196.00	2	BH	IRR	20.0
195.20 - 196.00	1	BH	BI R	70.0
195.20 - 196.00	1	YCY	INT	100.0
196.00 - 199.70	3	BH	PERV	75.0
196.00 - 199.70	2	HE	IRR	15.0
196.00 - 199.70	1	HE	IRR	10.0
196.00 - 199.70	1	BH	IRR	15.0
196.00 - 199.70	2	BH	IRR	10.0
196.00 - 199.70	2	YCY	INT	60.0
196.00 - 199.70	1	YCY	INT	40.0
196.00 - 199.70	1	SIL	INT	60.0
199.70 - 234.50	3	HE	BI R	10.0
199.70 - 234.50	3	BH	BI R	40.0
199.70 - 234.50	2	HE	BI R	20.0
199.70 - 234.50	1	HE	BI R	20.0
199.70 - 234.50	2	LI	BI R	10.0
199.70 - 234.50	2	YCY	INT	60.0
199.70 - 234.50	1	YCY	INT	40.0
199.70 - 234.50	1	SIL	INT	50.0
234.50 - 245.50	3	BH	BI R	60.0
234.50 - 245.50	2	HE	BI R	35.0
234.50 - 245.50	1	HE	BI R	10.0
234.50 - 245.50	1	BH	BI R	35.0
234.50 - 245.50	2	BH	BI R	10.0
234.50 - 245.50	1	YCY	INT	20.0
234.50 - 245.50	2	YCY	INT	80.0
245.50 - 245.60	3	BH	PERV	100.0
245.50 - 245.60	2	SIL	BN	80.0
245.60 - 250.50	3	BH	PERV	85.0
245.60 - 250.50	2	HE	BED	5.0
245.60 - 250.50	1	HE	BI R	20.0
245.60 - 250.50	2	BH	BI R	20.0
245.60 - 250.50	1	BH	BED	5.0
245.60 - 250.50	1	SIL	INT	100.0
245.60 - 250.50	1	YCY	INT	100.0
250.50 - 251.40	3	BH	BI R	35.0
250.50 - 251.40	2	HE	BI R	25.0
250.50 - 251.40	1	HE	BI R	40.0
250.50 - 251.40	1	BH	BI R	25.0
250.50 - 251.40	2	BH	BI R	40.0
250.50 - 251.40	1	SIL	INT	100.0
251.40 - 253.30	3	BH	PERV	100.0
251.40 - 253.30	2	SIL	INT	100.0
251.40 - 253.30	1	YCY	INT	75.0
253.30 - 254.00	1	NA	PERV	100.0

70cm cavity NA= no alteration recorded

254.00 - 254.85	3	BH	PERV	100.0
254.00 - 254.85	2	SIL	PERV	100.0
254.85 - 254.95	3	BH	PERV	100.0
254.85 - 254.95	2	SIL	PERV	100.0
254.85 - 254.95	2	LI	BN	80.0
254.95 - 259.85	2	HE	BN	40.0

purple color (see Munsell codes)

254.95 - 259.85	3	BH	BN	55.0
254.95 - 259.85	1	HE	BI R	5.0
254.95 - 259.85	2	BH	BI R	5.0
254.95 - 259.85	2	SIL	INT	100.0
259.85 - 260.20	2	DQZ	VUG	80.0

zone of randomly oriented quartz crystals filling cavity or brecciated area; crystals range from 2 to 6mm in length (elongated along "C" axis)

259.85 - 260.20	3	BH	PERV	100.0
260.20 - 261.10	3	BH	PERV	100.0
260.20 - 261.10	3	SIL	PERV	10.0
260.20 - 261.10	2	SIL	PERV	90.0
261.10 - 272.12	3	BH	BIR	50.0
261.10 - 272.12	3	HE	BIR	10.0
261.10 - 272.12	2	HE	BIR	15.0
261.10 - 272.12	1	HE	BIR	25.0
261.10 - 272.12	3	SIL	INT	20.0
261.10 - 272.12	2	SIL	INT	80.0
272.12 - 275.00	3	HE	MTC	75.0
272.12 - 275.00	2	HE	MTC	25.0

Upper portion of volcanic is hematized and friable

DDH DAD-0005

CAMECO CORPORATION - EXPLORATION DIVISION

June 22, 1999

Report for Deaf Adder Project - Drill Hole DAD-0005

1. Drill Hole Information

Drill Hole (DDH#):	DAD-0005	Total Hole Depth:	30.00 metres
Grid Name:	Flying Ghost	Casing Depth:	0.00 metres
Disposition:	EL 5061	Water Depth:	0.00 metres
NTS Number:		Overburden Depth:	0.00 metres
Hole Logged By:	Garth Drever		
Company Name:	Cameco Australia		
Contractor:	Century Drilling		
Date Started:	September 15, 1998	Rating:	
Date Completed:	September 15, 1998	Core Size:	NQ
Date Logged:	September 16, 1998	Grid Angle:	0 degrees
Collar Grid Coordinates:	85301+19 North, 3182+47 East	Collar Elevation:	333.00 metres
Collar UTM Coordinates:	8530119 North, 318247 East	Land Surface Elevation:	333.00 metres
Collar Survey Coordinates:	0.000 North, 0.000 East	Elevation Relative to:	OMNI STAR
Collar Computed Coordinates:	8530119.000 North, 318247.000 East	Elevation Determined by:	DUMPY LEVEL

2. Orientation Information

Depth (metres)	Azimuth (degrees)	Inclination (degrees)	Act Depth (metres)	Computed North	Surface Coordinates East	Deviation Test	Recorded By
0.00	0.0	-90.0	0.00	8530119.00	318247.00	Level	Level
29.00	0.0	-90.0	29.00	8530119.00	318247.00	Level	Level

3. Lithology Information - General

Depth (metres)	Colors	Grain Size (mm)	% Text	Rock Type	Qual	Minerals	Rock Litho
From - To	1 2	Average Maximum		1	2	1 2 3	Type Facies
-----	No General Lithology Information for this hole.						

4. Lithology Information - Detailed

Depth (metres)	Cumulative Thickness (cm)						
From - To	Clay Interclasts	Pebbles > 4mm	Granules 2-4mm	Siltstone Mudstone	Max. Pebble Size (mm)	RQD %	Formation
-----	No Detailed Lithology Information for this hole.						

5. Structure Information - General

Depth (metres)	Bedding Angle	Contact Angle	Foliation Angle	Frac Frac Angle Feat	Frac/m	Friab	Recover %	Probe
-----	No General Structure Information for this hole.							

6. Remark Information - General

Depth (metres)

No General Remark Information for this hole.

7. Hydrothermal Alteration Information

Depth (metres)	Strat	Hydrothermal Alteration	Percent
From - To		Intensity Type Distrib	%
-----	No Hydrothermal Alteration Information for this hole.		

