LEFROY JOINT VENTURE

Diamond Drill Core Log

Hole No. : L1

Date Started	:	6 December 1997	**Drilled by**	:	Diamond Drilling (Tas.)
Date Completed	:	17 December 1997	**Logged by**	:	J.G. Purvis

Collar

Northing	:	5448089.28
Easting	:	499817.47
R.L.	:	2172.50
Dip	:	-57.5
Bearing	:	352.98

Hole Details

Final Depth	:	325.6		
Hole Length	:	325.6		
Core Size	:	0.0	243.6	HQ
		243.6	325.6	NQ

Purpose

To investigate the Volunteer Reef at a point between 7 and 8 Level 250m west of the Volunteer Main Shaft

Summary Results

From	To	Length	Description	Au	Ag	Cu	Pb	Zn	As	S
276.0	277.2	1.2	Volunteer Reef - crushed quartz with arsenopyrite>pyrite	1.87	<1	6	17	37	6500	0.86

Comments

Hole steepened unexpectedly and intersected the reef 57m below 8 Level and 90m below the limit of old stoping.
Hole L1A was wedged from L1 at 245.1m.
Explosives damaged HQ casing left in the hole from 170.0 - 243.6m. 3m of HW casing left in the top of the hole with steel screw-on cap.

Survey Sheet

LEFROY JOINT VENTURE

Diamond Drill Core Log - Down Hole Survey Data

Hole Number **L1**

Depth	Dip	Brg (A.M.G.)	From	To	Length	Sin.Dip	Vertical Difference	R.L.	Cos.Dip	Horizontal Difference	Cos.Brg	Diff. N	Northing	Sin.Brg	Diff. E	Easting
Collar								2172.50					5448089.28			499817.47
0	-57.5	352.98	0	15	15	-0.84	-12.65	2159.85	0.54	8.06	0.99	8.00	5448097.28	-0.12	-0.98	499816.48
30	-59.8	352	15	42.5	27.5	-0.86	-23.76	2136.09	0.50	13.85	0.99	13.72	5448111.00	-0.14	-1.93	499814.55
55	-60.5	352	42.5	68.5	26	-0.87	-22.63	2113.46	0.49	12.80	0.99	12.68	5448123.68	-0.14	-1.78	499812.77
82	-62.0	353	68.5	90.5	22	-0.88	-19.42	2094.04	0.47	10.33	0.99	10.25	5448133.93	-0.12	-1.26	499811.51
99	-62.5	354	90.5	109	18.5	-0.89	-16.41	2077.63	0.46	8.54	0.99	8.50	5448142.43	-0.10	-0.89	499810.62
119	-63.8	357	109	126	17	-0.90	-15.25	2062.38	0.44	7.52	1.00	7.51	5448149.93	-0.05	-0.39	499810.23
133	-64.8	357	126	149.8	23.75	-0.90	-21.48	2040.90	0.43	10.13	1.00	10.12	5448160.05	-0.05	-0.53	499809.70
166.5	-68.0	353	149.8	182.8	33	-0.93	-30.60	2010.30	0.37	12.36	0.99	12.27	5448172.32	-0.12	-1.51	499808.19
199	-71.5	355	182.8	217	34.25	-0.95	-32.48	1977.82	0.32	10.87	1.00	10.83	5448183.15	-0.09	-0.95	499807.24
235	-73.5	357	217	250	33	-0.96	-31.64	1946.18	0.28	9.37	1.00	9.36	5448192.51	-0.05	-0.49	499806.75
265	-75.0	358	250	281.5	31.5	-0.97	-30.43	1915.76	0.26	8.15	1.00	8.15	5448200.65	-0.03	-0.28	499806.47
298	-76.4	357	281.5	310	28.5	-0.97	-27.70	1888.06	0.24	6.70	1.00	6.69	5448207.35	-0.05	-0.35	499806.12
322	-77.0	356	310	325.6	15.6	-0.97	-15.20	1872.86	0.22	3.51	1.00	3.50	5448210.85	-0.07	-0.24	499805.87

LEFROY JOINT VENTURE

Diamond Drill Core Log

Hole L1

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
0.0	3.0	Triconed - no core.	OPN	nil	3.0	4.5	60	0	3.0	4.5	<0.01	<1	9	33	24	60	0.02
					4.5	7.5	56	10	4.5	6.0	<0.01	<1	10	27	37	65	<0.01
3.0	17.5	Partly-oxidized grey SHALE, SILTSTONE and lesser	SSH	slt	7.5	10.5	44	18	6.0	7.5	<0.01	<1	8	13	17	58	<0.01
		medium-grained quartzo-feldspathic SANDSTONE.			10.5	12.4	75	21	7.5	9.0	<0.01	<1	6	14	21	97	<0.01
		All rocks micaceous and weakly sericitized. Shales			12.4	14.0	70	0	9.0	10.5	<0.01	<1	4	55	22	88	0.08
		are soft and greasy with several 10cm puggy seams.			14.0	15.4	82	0	10.5	11.5	<0.01	<1	5	34	20	106	0.03
		Foliated and mildly deformed, with tiny stretched			15.4	17.1	72	9	11.5	12.5	<0.01	<1	16	89	18	87	0.07
		lenses of shale in siltstone (and vice versa), and			17.1	18.8	14	0									
		smearing of bedding. Bedding 45-55 CA, with S1			18.8	19.4	93	18	18.8	19.8	<0.01	<1	4	75	10	101	1.12
		cleavage essentially parallel bedding. In places a S2			19.4	19.6	90	0	19.8	21.0	<0.01	<1	3	60	20	70	1.14
		cleavage is visible in opposite sense to bedding.			19.6	20.4	70	0									
		Minor limonite stains to 14m with occasional quartz-			20.4	21.5	69	0	30.5	31.5	<0.01	<1	13	55	25	262	1.55
		limonite veinlets both parallel bedding and orthogonal			21.5	22.4	90	22	31.5	32.5	<0.01	<1	4	51	26	110	1.91
		to it. Rare pyritic quartz veinlets below 12m. Minor			22.4	24.4	92	43	32.5	33.5	<0.01	<1	5	78	24	126	1.45
		disseminated pyrite below 10m, mainly in shales.			24.4	27.6	92	37	33.5	34.5	<0.01	<1	2	76	33	86	1.31
					27.6	28.4	96	1									
		Ground conditions fair to poor. Rock is leached and			28.4	29.6	94	22	42.0	43.2	<0.01	<1	8	81	34	184	0.99
		porous, and partly broken with minor puggy bands.			29.6	30.6	68	14									
					30.6	32.1	98	41	45.1	46.1	<0.01	<1	8	53	59	139	1.29
17.5	18.8	CAVITY - old working?	CAV	nil	32.1	33.8	82	14	46.1	47.0	<0.01	<1	10	20	50	112	0.18
					33.8	34.5	83	0	47.0	48.2	<0.01	<1	9	15	40	122	0.04
18.8	43.2	BLACK SHALE, STRONGLY FAULTED BELOW	SSH	bsh	34.5	35.6	95	0	48.2	49.4	<0.01	<1	2	16	34	85	0.06
		34m. Carbonaceous, graphitic and pyritic. Minor			35.6	37.5	46	0	49.4	50.4	<0.01	<1	11	26	30	133	0.12
		thin grey siltstone beds. Bedding 60 CA, consistent			37.5	39.0	67	0	50.4	51.4	<0.01	<1	4	15	26	100	0.12
		despite tight small-scale folding. Well-developed			39.0	39.7	51	14	51.4	52.4	<0.01	<1	4	21	28	98	0.06
		bedding-parallel S1 cleavage. Weak S2 cleavage 20			39.7	40.3	90	0	52.4	53.3	<0.01	<1	3	15	24	64	0.03
		CA in opposite sense to S1 is visible below 34m.			40.3	40.7	95	0	53.3	55.5	<0.01	<1	9	33	30	122	0.08
		Extensive zones of pug and crushing 34-40m. 10cm			40.7	41.8	59	0	55.5	56.7	<0.01	<1	3	24	32	115	0.07
		quartz vein with minor chlorite and pyrite at 18.8m,			41.8	42.5	143	0	56.7	57.6	<0.01	<1	8	18	44	118	0.06
		and dog-tooth quartz veins 40.7-43m. Elsewhere			42.5	44.9	24	0	57.6	58.5	<0.01	<1	10	26	31	106	0.08
		rare quartz veinlets. 1-3% disseminated pyrite in the			44.9	45.6	77	0	58.5	59.7	<0.01	<1	7	19	38	112	0.09

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
		shales.			45.6	46.1	76	32	59.7	60.8	<0.01	<1	6	18	32	84	0.06
					46.1	47.0	66	0	60.8	62.0	<0.01	<1	3	24	35	90	0.09
		Ground conditions fair to 34m, then poor with rubble			47.0	49.4	50	5	62.0	63.5	<0.01	<1	12	30	35	110	0.14
		zones and some pug (core loss here).			49.4	50.4	81	10	63.5	64.0	<0.01	<1	4	19	21	55	0.12
					50.4	51.9	85	0	64.0	65.0	<0.01	<1	6	35	45	88	0.16
43.2	44.9	No core recovered.	TCL	nil	51.9	53.3	90	0	65.0	66.1	<0.01	<1	8	38	39	105	0.13
					53.3	55.5	42	0	66.1	67.1	<0.01	<1	11	34	30	97	0.11
44.9	45.1	BLACK SHALE. As for 18.8 -43.2m.	SSH	bsh	55.5	56.7	55	0	67.1	68.2	<0.01	<1	2	43	31	98	0.34
					56.7	57.6	72	0	68.2	69.0	<0.01	<1	<1	25	30	81	0.08
45.1	79.8	MAJOR FAULTED ZONE. In foliated, altered, grey	SSH	flt	57.6	58.5	94	0	69.0	70.2	<0.01	<1	<1	24	24	76	0.08
		micaceous SILTSTONE and SHALE. Badly broken,			58.5	59.7	65	0	70.2	71.0	<0.01	<1	3	20	27	87	0.10
		with extensive sandy and puggy crush intervals. The			59.7	60.8	95	0	71.0	72.0	<0.01	<1	2	14	17	53	0.07
		principal fault is at 61-65m. The faults contain			60.8	62.0	58	0	72.0	74.4	<0.01	<1	10	29	19	98	0.28
		dismembered quartz (+carbonate-chlorite) veins up to			62.0	63.5	72	7	74.4	76.0	<0.01	<1	9	34	23	104	0.17
		20cm thick (79.25m). Both the faults and the veins			63.5	64.0	46	0	76.0	77.0	<0.01	<1	10	47	36	110	0.23
		are at a high angle to CA. The host rocks are soft			64.0	64.5	76	62	77.0	78.0	<0.01	<1	8	17	17	63	0.22
		and greasy due to sercite-chlorite alteration, which is			64.5	65.0	62	0	78.0	78.9	<0.01	<1	7	21	23	74	0.06
		strongest in and around the crush zones. Bedding			65.0	65.7	80	0	78.9	79.8	<0.01	<1	2	95	46	218	0.62
		45-70 CA, with strong sub-parallel S1 cleavage. This			65.7	66.1	90	0									
		overprinted in places by an S2 cleavage at 25-35 CA			66.1	66.8	53	0	85.9	87.5	<0.01	<1	4	22	19	70	0.43
		in the opposite sense. Minor disseminated pyrite in			66.8	67.5	59	0	87.5	88.5	<0.01	<1	5	18	35	72	0.05
		the host rocks - none in the quartz veins.			67.5	68.2	89	0	88.5	89.5	<0.01	<1	8	33	27	86	0.07
					68.2	69.5	53	0	89.5	90.6	<0.01	<1	3	19	18	64	0.07
		Ground conditions poor.			69.5	70.2	56	0									
					70.2	71.0	53	0	97.0	98.0	<0.01	<1	2	20	44	86	0.11
79.8	121.4	Grey quartz-mica SANDY SILTSTONE with bands of	SSH	slt	71.0	71.8	94	0									
		grey-black SHALE. Sericite-chlorite altered,			71.8	72.6	76	0	102.5	103.5	<0.01	<1	3	16	11	82	0.06
		strongest in areas of quartz veining. Common quartz			72.6	73.5	29	0									
		(+chlorite-carbonate) veins to 20cm, mostly parallel			73.5	74.4	51	0	108.5	109.5	<0.01	<1	4	35	25	99	0.13
		bedding and often associated with faults (puggy			74.4	75.0	72	0	109.5	110.5	<0.01	<1	6	33	16	103	0.16
		crush zones up to 80cm wide). Some of these post-			75.0	76.0	33	0	110.5	111.5	<0.01	<1	4	87	28	163	0.56
		date the veins and break them up. Veining is most			76.0	78.0	79	33	111.5	112.5	<0.01	<1	11	104	15	212	0.69
		abundant in strongly faulted interval 84-90m (centred			78.0	79.4	76	8	112.5	113.5	<0.01	<1	7	81	29	86	0.55

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
		in crush zone 87.7-88.5m), and below 108m.			79.4	81.0	91	14	113.5	114.5	<0.01	<1	3	27	19	77	0.29
		Graphite occurs around quartz veins in black shale.			81.0	82.5	102	67	114.5	115.5	<0.01	<1	5	12	12	49	0.08
		Bedding 50-70 CA, smeared by a parallel S1 foliation			82.5	84.0	91	30	115.5	116.5	<0.01	<1	8	15	3	68	0.12
		best developed in zone of small-scale folding below			84.0	85.4	89	19	116.5	117.5	<0.01	<1	9	16	20	65	0.10
		106.5m. Folding intense in basal 0.2m. Weak S2			85.4	86.9	62	16	117.5	118.5	<0.01	<1	7	25	18	92	0.14
		foliation 20-40 CA, opposite sense to S1. Minor			86.9	87.5	97	0	118.5	119.5	<0.01	<1	5	31	26	87	0.15
		disseminated pyrite, rarely in quartz except for 20cm			87.5	88.5	80	0	119.5	120.5	<0.01	<1	11	16	22	74	0.07
		quartz-pyrite vein in pyritic black shale at 112.5m.			88.5	89.8	77	0	120.5	121.4	<0.01	<1	23	10	23	46	0.09
					89.8	90.9	68	23	121.4	122.5	<0.01	<1	19	24	24	95	0.21
		Ground conditions fair to poor. Moderately broken			90.9	92.5	100	22	122.5	123.6	<0.01	<1	13	48	29	133	0.23
		intervals interspersed with badly broken zones			92.5	93.6	95	22	123.6	124.6	<0.01	<1	12	32	26	89	0.13
		associated with faults and quartz veins.			93.6	95.2	94	23	124.6	125.6	<0.01	<1	6	8	15	39	0.03
					95.2	96.7	99	20	125.6	126.6	<0.01	<1	32	27	32	81	0.11
121.4	126.6	MAJOR QUARTZ-VEINED FAULT, 65-85 CA.	SSH	flt	96.7	97.9	97	12	126.6	127.6	<0.01	<1	8	21	23	79	0.06
		Crushed sercitic silty sandstone and graphitic schist			97.9	98.5	95	0	127.6	128.6	<0.01	<1	22	30	29	88	0.12
		after black shale, with deformation centred 122.5-			98.5	99.0	46	0	128.6	129.6	<0.01	<1	17	19	25	64	0.09
		124.7m. Puggy breccia zones to 50cm and +70 CA.			99.0	100.5	91	7	129.6	130.6	<0.01	<1	13	63	41	174	1.02
		Numerous quartz-carbonate (+chlorite) veins, the			100.5	101.9	94	16									
		main one being +6cm thick and parallel CA from			101.9	102.5	100	0	141.1	141.9	<0.01	<1	10	34	30	110	0.22
		122.4-123.5m. The carbonate in this vein is yellow			102.5	103.5	99	17	141.9	143.4	<0.01	<1	26	165	46	164	1.58
		and may be ankerite. Elsewhere the veins are			103.5	105.7	99	31									
		irregular, high-angle to CA and up to 20cm thick.			105.7	106.5	93	0	179.0	180.0	<0.01	<1	15	13	23	51	0.04
		Very minor pyrite, only a trace within quartz veins.			106.5	108.7	94	37	180.0	181.0	<0.01	<1	24	10	22	47	0.03
					108.7	109.5	100	56	181.0	182.0	<0.01	<1	2	9	25	36	0.02
		Ground conditions poor.			109.5	110.8	78	11	182.0	183.0	<0.01	<1	19	36	30	103	0.12
					110.8	111.7	80	0	183.0	184.0	<0.01	<1	4	39	31	98	0.25
126.6	249.7	Foliated, grey, micaceous, quartzo-feldspathic SILTY	SSH	sst	111.7	112.5	83	25	184.0	185.0	<0.01	<1	4	47	40	120	0.15
		SANDSTONE and lesser SILTSTONE. Bands of			112.5	113.3	88	0	185.0	186.0	<0.01	<1	15	32	25	95	0.12
		grey-black SHALE to 191m. Sericite-chlorite altered,			113.3	114.5	77	17	186.0	187.0	<0.01	<1	4	26	26	100	0.26
		strongest in zones of faulting and quartz veining. The			114.5	115.5	100	13	187.0	188.0	<0.01	<1	<1	29	25	96	0.24
		black shales are graphitic in these areas. Bedding			115.5	117.1	80	31	188.0	189.0	<0.01	<1	16	34	24	97	0.24
		55 CA at top, 70 CA at base. There is a prominent			117.1	118.5	91	47	189.0	190.0	<0.01	<1	17	14	19	58	0.05
		stretching and smearing fabric, possibly due to the			118.5	119.7	81	0	190.0	191.0	<0.01	<1	49	24	18	90	0.33

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
		strong bedding-parallel S1 foliation over-printing a soft			119.7	121.2	87	24	214.8	215.8	<0.01	<1	5	48	23	432	0.23
		sediment deformation (exemplified by calcareous			121.2	123.9	103	30	215.8	216.8	<0.01	<1	11	15	22	69	0.07
		sandy lenses in silt at 236-246m). A S2 foliation 30			123.9	126.7	55	18									
		CA in opposite sense to S1, is visible in places.			126.7	129.7	97	41	219.0	220.0	<0.01	<1	7	13	14	58	0.11
		Quartz>carbonate (ankerite?) (+chlorite) veins			129.7	132.4	95	26	220.0	221.0	<0.01	<1	5	14	15	56	0.12
		common above 147m, 172-189m (particularly in			132.4	133.2	88	51	221.0	222.0	<0.01	<1	<1	12	18	50	0.04
		broken zone at 186-189m), and 215-227m. The veins			133.2	135.1	95	53									
		average <4cm thick (to 12cm) and either parallel			135.1	136.5	94	0	226.0	227.2	0.15	<1	187	26	12	70	1.11
		bedding or are orthogonal to it. Common small faults			136.5	138.1	94	38									
		at all angles, especially in shales or associated with			138.1	139.5	86	59	231.4	232.5	<0.01	<1	6	30	18	102	0.14
		quartz veins. Strong fault 141.1-143.4m in crushed			139.5	141.9	92	13	232.5	233.5	<0.01	<1	21	33	22	101	0.23
		pyritic quartz-veined shale. Faulted zone 219-226.5m			141.9	143.6	40	0									
		includes fault-hosted 4cm quartz-pyrite-arsenopyrite			143.6	145.2	126	46	Cave		0.38	<1	94	71	31	202	1.31
		vein 20 CA at 226-226.5m. Minor arsenopyrite also			145.2	148.2	98	43									
		occurs in thin quartz veins cross-cutting bedding at			148.2	149.2	109	15	249.7	250.0	<0.01	<1	43	17	24	138	0.55
		176.6m, 179.2m, 190.9m and 195.5m. Overall, there			149.2	151.5	83	38	250.0	251.0	<0.01	<1	18	26	21	129	0.29
		is trace pyrite in sandstone and up to 3% in some			151.5	154.0	100	23	251.0	252.0	<0.01	<1	23	46	20	1079	0.67
		black shales, but the quartz veins are generally			154.0	155.5	93	7	252.0	253.0	<0.01	<1	25	42	25	310	0.73
		non-pyritic except where they cut pyritic black shale.			155.5	157.5	101	66	253.0	254.0	<0.01	<1	8	32	14	328	0.5
					157.5	160.5	95	41	254.0	255.0	<0.01	<1	13	39	29	164	0.89
		Ground conditions fair. Breaking along the greasy			160.5	163.5	101	16	255.0	256.0	<0.01	<1	15	31	19	108	0.58
		foliation planes. Shales tend to be more broken than			163.5	166.5	94	46	256.0	257.0	<0.01	<1	30	26	15	116	0.44
		sandstone. Conditions are best below 191m.			166.5	169.5	98	51	257.0	258.0	<0.01	<1	29	37	15	115	0.4
					169.5	172.2	91	39	258.0	259.0	<0.01	<1	44	33	17	95	0.3
249.7	276.0	FAULTED and VEINED ZONE (the VOLUNTEER	DRF	flt	172.2	173.3	95	53	259.0	260.0	0.03	<1	16	32	14	104	0.39
		REEF FAULT). Centred on major fault at 264-266.8m			173.3	175.5	90	33	260.0	261.0	0.08	<1	297	19	15	100	0.5
		marked by intense crushing 50 CA. Numerous			175.5	178.1	95	45	261.0	262.0	0.28	<1	753	16	4	110	0.87
		smaller crush zones occur throughout. Above the			178.1	179.7	93	53	262.0	263.0	0.34	<1	1137	20	9	156	1.11
		main fault is dark grey shale with minor quartzose			179.7	181.5	96	27	263.0	264.0	0.41	<1	1111	37	26	167	1.85
		siltstone, while below is mostly pale grey quartzose			181.5	183.6	89	17	264.0	265.0	0.42	<1	2538	21	7	120	0.85
		silty sandstone. The rocks are sericitized, with local			183.6	185.4	94	6	265.0	266.0	0.54	<1	2145	12	9	109	1.11
		strong quartz-sericite alteration in the main fault and			185.4	187.5	88	10	266.0	267.0	0.17	<1	836	27	18	118	0.52
		below 274.3m. Strong foliation 20-80 CA, averaging			187.5	190.1	85	8	267.0	268.0	<0.01	<1	81	10	9	51	0.23

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
		70-80 CA, with intensity increasing towards base of			190.1	190.4	93	0	268.0	269.0	<0.01	<1	74	9	8	56	0.27
		unit. Bedding parallels this foliation. A cross-cutting			190.4	193.5	95	47	269.0	270.0	0.02	<1	973	18	15	86	1.02
		crenulation cleavage is visible in places. Veining (to			193.5	196.5	100	75	270.0	271.0	<0.01	<1	65	15	12	62	0.66
		5cm) of quartz-ankerite is common below 259.5m,			196.5	199.5	95	59	271.0	272.0	0.46	<1	3784	11	11	62	0.7
		and strongest 261.4-268m, including a 15cm zone at			199.5	202.5	99	40	272.0	273.0	0.02	<1	250	18	22	86	0.16
		262m of intense quartz-ankerite-pyrite-arsenopyrite			202.5	205.5	100	85	273.0	274.0	0.03	<1	297	14	17	75	0.18
		veining. At the top contact of the unit there is a 10cm			205.5	208.5	102	47	274.0	275.0	0.23	<1	1328	8	13	55	0.38
		quartz vein 30 CA, containing minor pyrite and			208.5	211.5	98	61	275.0	276.0	0.31	<1	2355	3	11	37	0.6
		arsenopyrite (the Volunteer Hangingwall Reef). This			211.5	214.5	101	74	276.0	277.2	1.87	<1	6500	6	17	37	0.86
		is the only veining of note above 259.5m. Sulphides			214.5	217.5	97	59	277.2	278.0	<0.01	<1	7	14	13	54	0.07
		(mainly disseminated in the host rocks) average 1%			217.5	220.0	96	41	278.0	279.0	<0.01	<1	11	19	34	70	0.06
		pyrite with trace to minor arsenopyrite below 259.5m.			220.0	222.7	97	30	279.0	281.0	<0.01	<1	1	11	16	53	0.04
		Below 274.3m there is 1-2% pyrite-arsenopyrite, with			222.7	223.9	94	10	281.0	283.0	<0.01	<1	<1	17	23	63	0.04
		the latter predominant at base.			223.9	226.5	98	22	283.0	290.5	<0.01	<1	4	20	18	77	0.05
					226.5	229.5	100	83	290.5	292.0	<0.01	<1	1	16	17	65	0.04
		Ground conditions poor: numerous crumbly crush			229.5	232.5	91	43									
		zones and associated fractures, but mostly the rock			232.5	234.3	99	7			Sb						
		is broken along the greasy foliation.			234.3	235.5	98	40	249.7	250.0	1						
					235.5	238.5	96	43	250.0	251.0	<0.5						
276.0	277.2	VOLUNTEER REEF. 0.1m lost.	DRF	min	238.5	241.5	97	54	251.0	252.0	0.8						
		Highly fractured and brecciated quartz vein with very			241.5	243.6	102	6	252.0	253.0	<0.5						
		minor carbonate (ankerite?), and 3% disseminated			243.6	244.7	73	47	253.0	254.0	<0.5						
		and microveinlet arsenopyrite>>pyrite. Top 25cm			244.7	246.0	105	82	254.0	255.0	0.5						
		is recemented quartz vein breccia. Central 40cm is			246.0	247.5	97	63	255.0	256.0	1						
		more solid but highly fractured quartz. Lower 30cm is			247.5	249.0	97	71	256.0	257.0	<0.5						
		cataclasite breccia with 70% quartz fragments in			249.0	251.7	99	22	257.0	258.0	<0.5						
		matrix of crushed quartz, sericitic siltstone and black			251.7	253.5	97	0	258.0	259.0	0.9						
		graphitic shale. Basal 10cm is sheared sandstone			253.5	256.3	100	29	259.0	260.0	1.9						
		with vein quartz augen. The reef contacts are sharp:			256.3	258.1	102	6	260.0	261.0	2.3						
		upper 20 CA, lower 40 CA. The interval is crumbly			258.1	259.5	100	16	261.0	262.0	1.6						
		due to stressing of the quartz.			259.5	261.5	100	12	262.0	263.0	1.6						
					261.5	262.7	80	0	263.0	264.0	2.1						
277.2	325.6	Grey PHYLLITIC SILTSTONE and SANDSTONE,	SSH	slt	262.7	264.3	85	0	264.0	265.0	1						

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays								
									From	To	Sb						
		partly quartzose and micaceous. Very minor dark			264.3	265.5	71	0	265.0	266.0	2.1						
		grey shale. The rocks are chlorite-sericite altered,			265.5	266.2	67	0	266.0	267.0	1						
		strongest in zone of quartz-chlorite-sericite-calcite			266.2	266.9	61	0	267.0	268.0	<0.5						
		veins above 283m. These veins are up to 20cm thick			266.9	268.5	89	8	268.0	269.0	<0.5						
		and generally sub-parallel the strong S1 foliation.			268.5	269.1	97	17	269.0	270.0	0.6						
		Elsewhere there is minor quartz-ankerite(?) veining			269.1	270.9	89	0	270.0	271.0	<0.5						
		orthogonal to S1, locally to 10cm thick at 289-291m.			270.9	271.6	67	0	271.0	272.0	0.6						
		S1 is 60 CA at top of unit and 80 CA at base. There			271.6	272.1	56	0	272.0	273.0	<0.5						
		is a weaker S2 foliation 20-30 CA in opposite sense			272.1	272.7	78	0	273.0	274.0	<0.5						
		to S1. Bedding generally sub-parallel S1 at 65-70 CA			272.7	273.6	68	0	274.0	275.0	<0.5						
		however, there is local small-scale folding, most			273.6	274.1	66	0	275.0	276.0	0.6						
		notably a zone of continuous tight folding at 307.5			274.1	274.8	80	41	276.0	277.2	2.8						
		to 310.3m. Minor disseminated pyrite in the rock,			274.8	276.0	96	32									
		but none in the quartz veins except at 291m (minor			276.0	277.5	86	9									
		pyrite) and 289.3m (trace chalcopyrite).			277.5	279.0	94	49									
					279.0	280.5	101	14									
		Ground conditions very good: largely unbroken apart			280.5	282.6	96	74									
		from tendency to break along foliation in shale bands			282.6	284.7	104	55									
					284.7	286.5	97	89									
					286.5	289.2	98	74									
		EOH at 325.6m			289.2	290.6	101	49									
					290.6	292.7	90	69									
					292.7	294.6	106	81									
					294.6	297.2	106	50									
					297.2	298.5	89	58									
					298.5	300.0	99	87									
					300.0	301.3	102	92									
					301.3	304.5	91	88									
					304.5	307.5	99	68									
					307.5	310.5	98	76									
					310.5	313.5	103	64									
					313.5	316.5	100	86									
					316.5	319.5	99	57									

Hole **L1**

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays								
									From	To	Au	Ag	As	Cu	Pb	Zn	S
					319.5	322.5	98	33									
					322.5	324.4	98	78									
					324.4	325.6	97	74									