

LEFROY JOINT VENTURE

Diamond Drill Core Log

Hole No. : L1A

Date Started : 12 January 1998

Drilled by : Diamond Drilling (Tas.)

Date Completed : 17 January 1998

Logged by : J.G. Purvis

Collar

Hole Details

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

Final Depth : 283.5
Hole Length : 38.4
Core Size : NQ

Purpose

Duplication of L1 Volunteer Reef package to allow whole core assaying of L1 to be undertaken. Wedged from L1 at 245.1m.

Summary Results

From	To	Length	Description	Au	Ag	Cu	Pb	Zn	As	S
274.1	275.2	1.1	(0.6m recovered). Volunteer Reef - rubbly quartz vein with 2 - 3 % arsenopyrite>pyrite							

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LEFROY JOINT VENTURE

Diamond Drill Core Log

Hole L1A

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From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays								
									From	To	Au	Ag	As	Cu	Pb	Zn	S
245.1	248.3	Not cored.	OPN	nil	248.0	248.7	53	53									
					248.7	249.0	87	33									
248.3	249.6	Grey, fine grained, quartz-mica SANDSTONE and SILTSTONE. Minor carbonaceous content. Minor pyrite. ORIENTATION @ 248.8m: Bedding 55 CA (dips 51 to 202 AMG). Basal contact broken.	SSH	sst	249.0	249.4	30	0									
					249.4	249.7	110	0									
					249.7	250.5	104	0									
					250.5	251.7	98	0									
					251.7	253.2	98	7									
249.6	274.1	FAULTED ZONE (VOLUNTEER REEF FAULT). Soft greasy sericite-chlorite altered dark grey SHALE and SILTSTONE, changing abruptly at 263.3m to sericitized quartzose SANDSTONE that is silicified in places, especially below 270.4m. Deformation (fracturing, crush seams, enhanced foliation and quartz>ankerite veining), is strongest in top 1m and below 260.7m. There is a 20cm crush zone with minor quartz-ankerite veinlets at the top contact. Faulting is centred on a puggy cataclasite breccia at 265.1-265.8m, which hosts a fractured 15cm quartz vein at 265.3m. The veining (which averages <2cm thick, is at all angles, and often fractured or brecciated), is particularly abundant at 262-266m. The mainly-shale interval at 250.6-260.7m has only occasional thin crush seams and almost no veining. The veining is associated with disseminated pyrite and arsenopyrite in the wallrocks but little sulphide occurs in the veinlets themselves. To 259.7m: 1% pyrite. 259.7-262m: 1% pyrite, trace arsenopyrite. 262-263.3m: 2-3% pyrite, minor arsenopyrite. 263.3 to 265.8m: 2% arsenopyrite-pyrite. 265.8-274.1m: 1-2% pyrite, minor arsenopyrite. Bedding 58-75 CA. S1 foliation is generally slightly steeper than bedding	DRF	flt	253.2	254.7	95	7									
					254.7	256.2	100	20									
					256.2	257.8	97	9									
					257.8	259.3	86	8									
					259.3	260.8	96	10									
					260.8	262.2	97	0									
					262.2	263.6	93	0									
					263.6	264.7	65	0									
					264.7	265.4	103	0									
					265.4	265.8	60	0									
					265.8	266.4	65	0									
					266.4	266.9	56	0									
					266.9	267.9	86	0									
					267.9	269.1	96	0									
					269.1	269.9	94	0									
					269.9	270.5	73	0									
					270.5	271.5	27	0									
					271.5	272.2	96	0									
					272.2	272.6	42	0									
					272.6	272.8	60	0									
					272.8	273.8	43	0									
					273.8	274.1	117	0									
					274.1	275.4	52	0									
					275.4	276.0	112	17									

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From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays								
									From	To	Au	Ag	As	Cu	Pb	Zn	S
		at 75-80 CA. There is a weaker S2 foliation 30-50 CA in opposite sense to S1.			276.0	277.3	89	27									
					277.3	278.9	94	37									
					278.9	280.4	99	15									
		Ground conditions fair to 261m then generally poor with broken zones and much of rock crumbly and partially leached.			280.4	282.0	106	91									
					282.0	282.3	113	73									
					282.3	282.8	96	76									
					282.8	283.0	735	0									
274.1	275.2	VOLUNTEER REEF. 0.6m lost.	DRF	min	283.0	283.2	125	0									
		Rubble, comprising fragments of mottled bluish-grey and white vein quartz (+calcite), faced with greasy pug after crushed sericite-chlorite altered shale. The quartz and pug contains 2-3% arsenopyrite>pyrite. The sulphides are mostly disseminated, with some filling microfractures in grey quartz. Basal 20cm comprises crushed greasy black shale with broken quartz-ankerite veinlets, underlain by an intact 5cm quartz>ankerite-arsenopyrite vein 65 CA.			283.2	283.5	107	33									
275.2	276.3	VOLUNTEER REEF FAULT - basal section. Abundant quartz-ankerite veinlets in grey, strongly foliated (30-70CA), silicified quartzose sandstone. Veinlets average <5mm, at all angles, and are deformed by movement along the sericitic foliation. 2% disseminated arsenopyrite-pyrite, little in the veinlets. 30cm above basal contact is a 6cm fault breccia 25 CA with quartz fragments and several % arsenopyrite>pyrite. Sharp basal contact 70 CA. Slightly broken.	DRF	flt													
276.3	283.5	Grey, fine grained, quartz-mica SILTY SANDSTONE. Chlorite-sericite altered. Patchy carbonatization below 280m. Bedding at 282.7m: 40 CA. Generally bedding is deformed by the slightly steeper S1	SSH	sst													

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