LEFROY JOINT VENTURE

Diamond Drill Core Log

Hole No. : L2

Date Started	:	20 January 1998	**Drilled by**	:	Diamond Drilling (Tas.)
Date Completed	:	16 February 1998	**Logged by**	:	J.G. Purvis

Collar

Northing	:	5450982.82
Easting	:	498113.39
R.L.	:	2081.99
Dip	:	-60.7
Bearing	:	334.8

Hole Details

Final Depth	:	421.5
Hole Length	:	421.5
Core Size	:	NQ

Purpose

To test the Pinafore and Chum reef systems at the northern end of the Lefroy field.

Summary Results

From	To	Length	Description	Au	Ag	Cu	Pb	Zn	As	S
131.9	135.3	3.4	Main Pinafore Lode Zone	0.53	<1	22	13	90	3183	1.58
150.5	152.6	2.1	Pinafore Footwall Lode	0.81	<1	12	5	38	3582	0.60
384.5	398.0	13.5	Main Chum Lode Zone	0.19	<1	26	25	94	316	0.59

Comments

Hole swung 50 degrees to the east. 3m of HW casing was left in the hole with a steel screw-on cap.

Survey Sheet

LEFROY JOINT VENTURE

Diamond Drill Core Log - Down Hole Survey Data

Hole Number **L2**

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								2081.99					5450982.82			498113.39
0	-60.7	334.8	0	7.5	7.5	-0.87	-6.54	2075.45	0.49	3.67	0.90	3.32	5450986.14	-0.43	-1.56	498111.83
15	-62.6	330	7.5	22.5	15	-0.89	-13.32	2062.13	0.46	6.90	0.87	5.98	5450992.12	-0.50	-3.45	498108.38
30	-63.6	334.5	22.5	45	22.5	-0.90	-20.15	2041.98	0.44	10.00	0.90	9.03	5451001.15	-0.43	-4.31	498104.07
60	-64.5	336	45	75	30	-0.90	-27.08	2014.90	0.43	12.92	0.91	11.80	5451012.95	-0.41	-5.25	498098.82
90	-66.0	338	75	105	30	-0.91	-27.41	1987.49	0.41	12.20	0.93	11.31	5451024.26	-0.37	-4.57	498094.25
120	-67.5	342.5	105	135.5	30.5	-0.92	-28.18	1959.31	0.38	11.67	0.95	11.13	5451035.39	-0.30	-3.51	498090.74
151	-69.0	344	135.5	166.3	30.75	-0.93	-28.71	1930.61	0.36	11.02	0.96	10.59	5451045.98	-0.28	-3.04	498087.70
181.5	-70.4	348.5	166.3	196.3	30	-0.94	-28.26	1902.34	0.34	10.06	0.98	9.86	5451055.85	-0.20	-2.01	498085.70
211	-70.7	353	196.3	221.5	25.25	-0.94	-23.83	1878.51	0.33	8.35	0.99	8.28	5451064.13	-0.12	-1.02	498084.68
232	-71.5	355	221.5	241	19.5	-0.95	-18.49	1860.02	0.32	6.19	1.00	6.16	5451070.29	-0.09	-0.54	498084.14
250	-71.8	357.5	241	262	21	-0.95	-19.94	1840.08	0.31	6.58	1.00	6.57	5451076.86	-0.04	-0.29	498083.85
274	-72.3	2.5	262	281.5	19.5	-0.95	-18.58	1821.50	0.30	5.93	1.00	5.92	5451082.79	0.04	0.26	498084.11
289	-72.5	4	281.5	302.5	21	-0.95	-20.03	1801.47	0.30	6.31	1.00	6.30	5451089.09	0.07	0.44	498084.55
316	-72.5	8	302.5	329.5	27	-0.95	-25.75	1775.72	0.30	8.12	0.99	8.04	5451097.13	0.14	1.13	498085.68
343	-73.0	13	329.5	353.5	24	-0.96	-22.95	1752.77	0.29	7.02	0.97	6.84	5451103.96	0.22	1.58	498087.26
364	-73.5	16	353.5	374.5	21	-0.96	-20.14	1732.64	0.28	5.96	0.96	5.73	5451109.70	0.28	1.64	498088.90
385	-74.0	17.5	374.5	400	25.5	-0.96	-24.51	1708.12	0.28	7.03	0.95	6.70	5451116.40	0.30	2.11	498091.02
415	-74.5	24.5	400	421.5	21.5	-0.96	-20.72	1687.41	0.27	5.75	0.91	5.23	5451121.63	0.41	2.38	498093.40

LEFROY JOINT VENTURE

Diamond Drill Core Log

Hole L2

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
0.0	10.0	Triconed - no core.	OPN	nil	10.0	10.5	92	0									
					10.5	13.0	46	0									
10.0	15.0	TERTIARY SAND, GRAVEL and LIGNITIC CLAY.	TER	snd	13.0	16.5	24	0									
		Mostly white quartz-mica sand and gravel with			16.5	19.5	25	3									
		pebbles to 1cm. Flat bedding in the brown clay.			19.5	21.0	41	0									
					21.0	22.5	33	7									
15.0	31.0	HIGHLY MICACEOUS GREY SHALE. Greasy and	SSH	sh	22.5	25	32	0									
		soft, with very poor recovery. Entirely micaceous			25.0	28.5	8	0									
		sand below 22.5m. Minor black pyritic shale.			28.5	31	6	0									
					31.0	34.5	43	0									
31.0	71.6	Pale grey medium grained quartz-mica SANDSTONE	SSH	sst	34.5	37.5	63	7	31.0	34.5	<0.01	<1	<1	28	8	212	0.19
		with micaceous SILTSTONE and grey-black SHALE			37.5	40.5	49	4	34.5	37.5	<0.01	<1	1	36	14	135	0.40
		bands. Strongly foliated and sericite-chlorite altered,			40.5	43.0	73	4	37.5	40.5	<0.01	<1	2	23	22	86	0.30
		latter strongest 31-39m in soft greasy micaceous			43.0	46.5	34	6	40.5	43.0	<0.01	<1	9	20	13	90	0.20
		shales with crush seams and minor pyrite, including			46.5	49.5	81	7	43.0	46.5	<0.01	<1	13	27	13	92	0.11
		quartz-pyrite veins to 4cm in silicified black shales at			49.5	51.7	66	5	46.5	48.0	<0.01	<1	5	20	156	71	0.09
		31m and 34m. Crush seams, often coinciding with			51.7	52.5	93	28									
		quartz-chlorite veins in shale bands, occur down to			52.5	53.6	103	12	53.6	54.6	<0.01	<1	4	30	13	83	0.24
		55m. Overall, veining is minor, averages <2cm, is			53.6	54.6	88	12									
		either parallel or orthogonal to the S1 foliation, and is			54.6	55.5	63	11	59.5	60.8	<0.01	<1	<1	24	14	80	0.06
		typically quartz-chlorite above 60m and vuggy quartz			55.5	56.7	95	64									
		carbonate below. Bedding, coincident with a strong			56.7	57.7	94	71									
		S1 foliation, 40-55 CA. ORIENTATION @ 58.5m: S1			57.7	58.5	84	38									
		45 CA, dips 33 to 281 AMG. An S2 foliation 35 CA			58.5	59.7	92	54									
		in opposite sense to S1, is visible in places. A F1			59.7	60.0	73	0									
		fold axis with pyritic quartz veinlets occurs 39-42m.			60.0	60.7	89	0									
		There are small-scale folds at 44.5m and 69.3m.			60.7	61.5	98	50									
		Overall, minor disseminated pyrite, uncommonly in			61.5	62.2	99	50									
		the quartz veins.			62.2	63.3	98	27									
					63.3	64.4	43	0									
		Ground conditions poor to 48m, improving to largely			64.4	67.5	93	45									

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
		good below 55m.			67.5	70.5	98	56									
					70.5	73.5	96	20									
71.6	76.5	LODE ZONE. Strongly milled, folded, foliated and	DRF	min	73.5	75.0	103	24	70.2	71.6	<0.01	<1	3	22	7	73	0.07
		veined grey sandstone, siltstone and shale. Centred			75.0	76.5	87	9	71.6	72.5	<0.01	<1	47	18	19	68	0.07
		on fault 70 CA at 72.5-73.3m. Immediately above and			76.5	79.5	100	69	72.5	73.3	0.03	<1	136	21	21	80	0.18
		below this fault the S1 foliation is strongly folded and			79.5	82.5	93	43	73.3	74.1	<0.01	<1	92	19	18	84	0.13
		cut by an S2 crenulation cleavage 70 CA, indicating			82.5	84.3	96	50	74.1	74.75	0.19	<1	238	21	19	80	0.27
		the structure is a D2 feature. Below 74m (to 81m)			84.3	86.7	93	50	74.75	75.6	0.07	<1	153	20	17	80	0.18
		bedding is folded but S1 maintains a 65-80 CA			86.7	88.5	97	50	75.6	76.5	0.44	<1	232	19	19	85	0.32
		attitude, with S2 20-30 CA in opposite sense.			88.5	90.3	96	67									
		Common quartz-carbonate veining at all angles, to			90.3	91.5	94	54									
		3cm thick. Minor vein fragments occur in the main			91.5	93.1	88	48									
		crush zone. Minor disseminated pyrite>arsenopyrite			93.1	94.5	103	71									
		but veining is generally non-sulphidic.			94.5	96.0	102	60									
					96.0	97.5	93	89									
		Ground conditions fair to poor. Rock is crumbly.			97.5	99.3	100	67									
					99.3	101.7	99	82									
76.5	117.3	Pale grey, fine to medium grained, STRONGLY	SSH	sst	101.7	103.5	93	73	82.8	83.8	<0.01	<1	9	19	21	89	0.09
		DEFORMED and FOLIATED QUARTZ-MICA			103.5	106.5	98	55									
		SANDSTONE. Occasional bands of grey SHALE.			106.5	109.5	97	56	90.3	91.3	<0.01	<1	5	20	22	94	0.07
		Very strong S1 foliation 40 CA at top, 60 CA at base.			109.5	112.5	100	70									
		ORIENTATION @ 94.5m: S1 50 CA, dips 61 to 206			112.5	115.5	98	69	108.6	109.2	<0.01	<1	18	13	20	71	0.11
		AMG. Bedding is transposed into the foliation, often			115.5	118.5	96	73									
		producing augen texture. Folding of bedding evident			118.5	121.5	94	54	113.7	114.7	<0.01	<1	1	16	20	89	0.11
		only where it parallels CA : axes at 77.5m, 90m and			121.5	122.6	91	47	114.7	115.3	<0.01	<1	1	29	34	100	0.12
		98m. A S2 crenulation cleavage 20 CA in opposite			122.6	124.1	85	43									
		sense to S1 is visible in shales. Chlorite-sericite			124.1	124.5	115	70									
		alteration around the occasional quartz-carbonate			124.5	126.3	93	34									
		veining (to 10cm thick). The larger veins are either			126.3	127.5	87	38									
		parallel or orthogonal to S1 and some are associated			127.5	130.0	77	38									
		with small crush zones. Very common carbonate			130.0	131.6	86	21									
		microveinlets at all angles. 20cm fault at 108.8m 60			131.6	133.5	79	18									
		CA (opposite sense to S1). Trace pyrite, rarely in the			133.5	134.8	79	17									

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
		quartz veins.			134.8	136.5	82	8									
					136.5	138.3	98	62									
		Ground conditions good: rock is not hard and has			138.3	140.1	90	31									
		tendency to break along the foliation.			140.1	142.5	98	62									
					142.5	145.5	96	60									
117.3	122.0	Grey to black SHALE with minor fine SILTY	SSH	sh	145.5	148.5	95	59									
		SANDSTONE. Weak sericite alteration. Strong S1			148.5	150.3	95	6									
		foliation 40-70 CA. Weak S2 foliation parallel CA at			150.3	151.5	84	8									
		120m. Abundant carbonate microveinlets, typically			151.5	154.5	97	94									
		along the foliation, with patches of similar carbonate			154.5	157.5	95	54									
		as alteration in the sandstone. Minor pyrite.			157.5	159.0	97	78									
					159.0	162.0	92	56									
		Ground conditions fair to good.			162.0	163.5	95	44									
					163.5	164.7	94	68									
122.0	136.1	PINAFORE LODE ZONE. D2 faulted zone with	DRF	min	164.7	166.5	97	74	122.0	123.0	0.02	<1	11	57	33	174	0.73
		quartz veins, centred on major faults at 122-125m			166.5	167.5	102	71	123.0	124.0	0.03	<1	5	51	22	129	0.47
		and 129-134.2m. Details as follows:			167.5	169.5	88	80	124.0	125.1	<0.01	<1	11	201	78	342	2.75
		122-125.1m: Partly crushed and dismembered quartz			169.5	172.5	96	78	125.1	126.0	<0.01	<1	6	15	7	59	0.11
		veins in sheared black graphitic shale. Main veining			172.5	175.5	96	71	126.0	127.0	<0.01	<1	10	15	14	59	0.05
		at 122-122.4m with quartz-ankerite veins to 8cm.			175.5	178.5	97	57	127.0	128.1	<0.01	<1	5	37	14	111	0.23
		Shearing 40 CA. S1 foliation generally parallels this			178.5	181.5	100	62	128.1	129.0	<0.01	<1	5	15	10	57	0.04
		but is warped and crumpled. 1% pyrite in shale,			181.5	184.5	97	71	129.0	130.6	<0.01	<1	10	15	6	59	0.04
		trace only in quartz veins.			184.5	187.5	99	63	130.6	131.9	0.04	<1	97	17	9	71	0.3
		125.1-129m: Sericitized grey sandstone and shale.			187.5	190.5	97	8	131.9	133.5	0.74	<1	3999	23	15	101	2.73
		Very strong S1 foliation 45 CA, warped by crush			190.5	193.5	98	82	133.5	134.2	0.53	<1	3019	16	8	79	0.76
		seams at all angles. Weaker S2 65-85 CA (opposite			193.5	196.5	99	91	134.2	135.3	0.23	<1	2101	23	14	82	0.44
		sense to S1). Three quartz veins 1-4cm thick along			196.5	199.5	99	93	135.3	136.1	0.07	<1	704	22	18	122	0.26
		S1 at 128m. Elsewhere, microveinlets of carbonate			199.5	202.5	97	84									
		(some ankeritic). Trace pyrite.			202.5	205.5	101	87									
		129-134.2m: Strongly crushed sericitized sandstone,			205.5	208.5	94	67									
		centred on pug zone 130.6-131.8m, 45 CA. S1 is			208.5	211.4	102	67									
		disrupted and tightly folded. Common quartz-ankerite			211.4	214.5	82	59									
		veinlets, often broken up. 131.9-133.25m: 2% pyrite			214.5	217.5	101	74									

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
		and arsenopyrite, disseminated. 133.25-133.5m: (5			217.5	220.5	99	61									
		cm core) 20% pyrite-arsenopyrite in crumbly quartz.			220.5	223.5	99	80									
		1% pyrite-arsenopyrite below 133.5m.			223.5	226.5	97	83									
		134.2-136.1m: Sericitized siltstone and sandstone			226.5	229.5	100	90									
		with crush zones, the largest below 135.35m hosting			229.5	232.5	98	56									
		partly-crushed quartz(+ankerite) veins 3-5cm thick			232.5	235.5	98	70									
		and at high angle to CA. Common quartz-ankerite			235.5	238.5	100	56									
		veinlets orthogonal to foliation. 1% disseminated			238.5	241.5	99	74									
		pyrite-arsenopyrite, but only trace in quartz veins.			241.5	244.5	97	96									
					244.5	247.5	98	56									
		Ground conditions poor: rock is soft and broken.			247.5	250.4	100	44									
					250.4	253.5	98	73									
136.1	148.3	Grey quartz-mica SILTY SANDSTONE with bands of	SSH	sst	253.5	256.5	98	68	139.9	140.8	0.04	<1	23	15	17	70	0.04
		BLACK SHALE. 138.5-145.5m the shales host 10			256.5	259.5	97	84									
		irregular quartz-chlorite-ankerite(?) veins up to 30cm			259.5	262.5	100	76	143.0	144.3	<0.01	<1	7	20	22	91	0.07
		thick, along the strong bedding-parallel S1 foliation			262.5	265.5	99	81									
		(40-50 CA). Numerous quartz-ankerite(?) veinlets,			265.5	268.5	98	78									
		some forming matrix to bands of weak brecciation at			268.5	271.5	100	23									
		low angle to CA. Trace pyrite. Weakly magnetic			271.5	274.5	100	56									
		pyritic porphryoblasts to 5mm at 143m.			274.5	277.5	100	34									
					277.5	280.5	100	25									
		Ground conditions fair to good.			280.5	283.5	100	81									
					283.5	286.5	98	69									
148.3	152.6	LODE ZONE. Faulted and quartz-veined sandstone.	DRF	min	286.5	289.5	100	69	148.0	149.3	<0.01	<1	2	8	18	43	0.04
		148.3-150.5m: Grey foliated (40-55 CA), sericitized			289.5	291.5	100	60	149.3	150.5	<0.01	<1	161	10	14	46	0.07
		quartz-mica sandstone, faulted above 149m. Minor			291.5	294.5	100	68	150.5	151.2	0.56	<1	4829	30	10	89	0.91
		quartz-carbonate veinlets and rare pyrite.			294.5	297.5	98	79	151.2	152.6	0.93	<1	2958	3	<3	12	0.44
		150.5-151.2m: Sericitized black shale with ankeritic			297.5	300.5	100	51	152.6	153.5	0.15	<1	481	7	4	20	0.16
		veinlets, 1% disseminated pyrite>arsenopyrite, and			300.5	303.5	95	50									
		crushed quartz veins in fault (45 CA) at top contact.			303.5	306.5	100	74									
		151.2-152.6m: Main lode. 30% quartz net-veins in			306.5	309.5	99	77									
		brecciated sandstone. Much arsenopyrite in 30cm			309.5	312.5	98	51									
		crush zone at top contact and in 3cm quartz vein (25			312.5	313.5	93	87									

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	Assays To	Au	Ag	As	Cu	Pb	Zn	S
		CA) on basal contact. Elsewhere, minor arsenopyrite			313.5	316.5	99	77									
		>pyrite (extends to 153.5m in unit below).			316.5	319.5	98	88									
					319.5	322.5	97	66									
		Ground conditions poor: mostly broken and crumbly.			322.5	325.5	98	84									
					325.5	328.5	99	89									
152.6	232.9	Grey quartz-mica SANDSTONE, SILTSTONE and	SSH	slt	328.5	331.5	98	94									
		SHALE. Becoming finer grained and less siliceous			331.5	334.5	100	95									
		with depth. Sericite-chlorite altered. From 175-200m			334.5	337.5	99	91									
		sandstones are weakly silicified and very strongly			337.5	340.5	96	80									
		foliated. Strong S1 foliation, 50 CA at top, 60 CA at			340.5	343.5	99	85									
		base. Weak S2 foliation visible in shales, 20-35 CA.			343.5	346.5	98	68									
		ORIENTATIONS: @ 157.7m: S1 55 CA, dips 46 to			346.5	349.5	96	74									
		210 AMG; @ 220.6m: S1 65 CA, dips 24 to 262			349.5	352.5	97	91	191.3	192.6	0.42	<1	1318	9	15	61	0.59
		AMG and S2 20 CA, dips 63 to 024 AMG. Bedding			352.5	355.5	99	92									
		generally parallel S1 except in zone of tight small			355.5	358.5	97	80									
		scale folds 174-175m, and in probable S0 fold axes			358.5	361.5	96	95									
		at 194.5-195.5m and 202.5-205.5m. Uphole-facing			361.5	364.5	96	74									
		graded beds at 186.3m, 199.3m and 209m.			364.5	367.5	99	75									
		Downhole-facing grading at 222.4m. Minor veining,			367.5	370.5	97	75									
		mostly in the coarser rocks above 194m where there			370.5	373.5	100	86									
		are quartz-chlorite veins to 15cm. The smaller veins			373.5	376.5	97	89									
		and veinlets tend to be quartz-ankerite(?). Veining is			376.5	379.5	98	84									
		either along the S1 foliation or orthogonal to it, and is			379.5	382.5	98	23									
		non-mineralized except for 1% pyrite-arsenopyrite			382.5	385.5	97	66									
		associated with strong quartz-ankerite veining 191.3			385.5	388.5	99	70									
		to 192.6m. Trace pyrite - some in pyrite>magnetite			388.5	391.5	98	83									
		porphyroblasts to 5mm.			391.5	394.5	98	68									
					394.5	397.5	99	91									
		Ground conditions good: rock generally unbroken.			397.5	400.5	97	43									
					400.5	403.5	99	44									
232.9	235.8	D2 LODE FAULT. Upper contact 40 CA, in opposite	DRF	flt	403.5	406.5	96	40									
		sense to S1 in unit above. Highly deformed and			406.5	409.5	98	81									
		foliated zone, comprising fine S0/S1 laminae of			409.5	412.5	98	73									

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
		strongly sericitized grey shale, black graphitic pyritic			412.5	415.5	98	64	232.8	233.8	<0.01	<1	5	104	23	193	1.39
		shale and silicified sandstone, contorted, folded and			415.5	418.5	100	89	233.8	234.8	<0.01	<1	8	106	39	241	1.32
		broken up by a S2 foliation averaging 50-70 CA in the			418.5	421.5	97	89	234.8	235.8	<0.01	<1	3	90	41	131	1.49
		opposite sense to S1. 10cm wide pug zone 50 CA at															
		233.8m. Common quartz(+ankerite) veining,															
		including: tiny poddy veinlets both cross-cutting and															
		parallel the S1 laminae; regular veinlets cutting S1 at															
		70-80 CA; and (below 235m) quartz-chlorite veins to															
		8cm, parallel S1 and folded by F2. 2% pyrite, in															
		patches and disseminated, but little in quartz veining.															
		Ground conditions good: generally unbroken.															
235.8	292.5	Grey, fine to medium grained quartz-mica FOLIATED	SSH	sst					246.8	248.8	<0.01	<1	2	31	20	100	0.68
		SANDSTONE. Bands of grey SHALE, common							248.8	250.8	<0.01	<1	8	39	57	100	0.46
		below 285.5m. All rocks sericite-chlorite altered.															
		Bedding 30-70 CA, generally coincident with or at a							268.3	269.8	0.16	<1	992	14	41	60	0.23
		lesser angle than, the strong S1 foliation 55-70 CA.							269.8	271.3	0.01	<1	164	17	40	77	0.13
		Minor folding of bedding (eg: 252-254m). A S2															
		foliation 30-40 CA, opposite sense to S1, visible in							290.5	292.5	<0.01	<1	5	16	38	65	0.42
		shales. ORIENTATION @ 268.5m: S1 70 CA, dips															
		28 to 224 AMG. Common quartz (+carbonate or															
		chlorite) veins to 30cm thick, occur sub-parallel the															
		the S1 foliation, particularly 248.5-252m and below															
		288.5m. 1% disseminated pyrrhotite>pyrite to 250m															
		(rock is weakly magnetic), decreasing with depth to															
		trace below 272m. 1cm quartz>pyrite-arsenopyrite															
		at 268.4m (minor disseminated arsenopyrite 268-271															
		m). Quartz veins generally non-sulphidic.															
		Ground conditions good.															
292.5	321.9	Dark grey greasy chloritic SHALE, grey micaceous	SSH	sh					298.8	300.8	<0.01	<1	30	39	54	123	0.23

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays								
									From	To	Au	Ag	As	Cu	Pb	Zn	S
		SILTSTONE, and minor quartz-mica SANDY															
		SILTSTONE. All rocks chlorite>sericite altered,															
		locally strongly in shales. Bedding typically 40-60															
		CA but commonly folded (F1) and deformed by the															
		strong S1 foliation (60-75 CA). A low-angle S2															
		foliation in opposite sense to S1, is visible in places.							313.5	314.3	<0.01	<1	13	27	51	87	0.12
		ORIENTATION @ 316.5m: S0 60 CA, dips 30 to 300															
		AMG; S2(?) 20 CA, dips 52 to 343 AMG. Common															
		quartz-chlorite-carbonate veining to 25cm, generally															
		at high angle to CA and sub-parallel the S1 foliation,															
		but often irregular and sometimes folded. Some															
		veinlets contain pyrite and rare chalcopyrite. Minor															
		to 1% disseminated pyrite throughout.															
		Ground conditions good. Rock is not hard.															
321.9	322.8	LODE ZONE. Upper contact gradational, lower sharp							319.9	321.9	<0.01	<1	29	24	26	82	0.07
		35 CA and cutting across the S1 foliation in rocks							321.9	322.8	0.46	<1	2505	13	20	59	0.92
		below. Pale grey, intensely-foliated (70 CA), quartz															
		flooded siltstone with 1-2% disseminated and veinlet															
		pyrite-arsenopyrite. Very common quartz-carbonate															
		veinlets cross-cut the foliation. Partly broken.															
322.8	383.0	Grey, quartz-mica SILTY SANDSTONE. Bands of	SSH	sst					339.5	341.0	0.05	<1	230	33	39	102	0.25
		dark grey to black, greasy chloritic SHALE towards															
		top and bottom of unit. All rocks are chloritized but															
		most notably the shales. The sandstone is weakly															
		silicified in places and rarely carbonatized.															
		Occasional quartz-carbonate(+chlorite) veining to 15															
		cm, generally at high angle to CA. Bedding variable,															
		generally 30-50 CA, with numerous small-scale folds															
		in shale bands 325-331m and 371-378m. Strong S1															
		foliation 65 CA and a weaker S2 foliation 20-25 CA in															

From	To	Description	Unit	Code	From	To	Rec (%)	RQD (%)	Assays From	To	Au	Ag	As	Cu	Pb	Zn	S
		opposite sense to S1. ORIENTATIONS @ 358.5m:															
		S1 60 CA, dips 38 to 262 AMG; and 382.5m: S1 68															
		CA, dips 12 to 340 AMG. Trace pyrite, with some															
		pyrrhotite also above 332m.															
		Ground conditions very good: no faults, few fractures.															
383.0	399.0	CHUM LODE ZONE. An interval of quartz veining in	DRF	min					383.0	384.5	0.03	<1	274	17	16	62	0.13
		sandstone and shale. Abundant quartz-carbonate							384.5	386.0	0.26	<1	286	26	20	99	0.54
		veins to 16cm, at all angles but most around 40 CA,							386.0	387.5	0.19	<1	242	27	21	78	0.40
		in the opposite sense to bedding and the strong							387.5	389.0	0.06	<1	271	12	17	52	0.23
		bedding-parallel S1 foliation (45-70 CA). Many veins							389.0	390.5	0.16	<1	505	20	21	78	0.44
		have vughs with dog-tooth quartz crystals and some							390.5	392.0	0.33	<1	302	34	51	96	0.68
		contain rock fragments. The veins contain rare pyrite,							392.0	393.5	0.2	<1	314	21	24	105	0.80
		arsenopyrite or basemetal sulphides. The host rocks							393.5	395.0	0.18	<1	226	28	19	99	0.50
		contain 1% disseminated pyrite>arsenopyrite. Above							395.0	396.5	0.17	<1	320	23	17	80	1.05
		390m these rocks are silicified, sericitized, foliated							396.5	398.0	0.19	<1	382	40	58	160	0.68
		sandstone. Below 390m carbonate-spotted dark grey							398.0	399.0	0.08	<1	403	23	24	151	0.26
		chloritic shale predominates. Some tight folding of							399.0	400.0	0.02	<1	34	23	20	97	0.76
		bedding occurs in the fine grained rocks. There is a															
		weak S2 foliation 30 CA.															
		Ground conditions very good: no faults, few fractures.															
399.0	421.5	Grey, chlorite-sericite altered, quartz-mica SILTY	SSH	sst													
		SANDSTONE. Minor bands of siltstone and rare thin															
		beds of shale. Strong S1 foliation 60-70 CA deforms															
		and obscures bedding. A weak S2 foliation 20 CA,															
		is visible in shales. There is a small D2 fold at															
		404.5m. ORIENTATION @ 409.5m: S1/S0 70 CA,															
		dips 20 to 306 AMG; S2 20 CA, dips 60 to 086 AMG															
		Minor quartz(+carbonate) veinlets. At 402m: 25mm															
		quartz-carbonate vein with blebs of sphalerite-galena.															