974121

HOLE NO. : STD1 | PLUTONIC OPERATIONS LIMITED | Page: 1
SECTION : 900.00 EAST | GOWRIE PARK

DIAMOND DRILL RECORD

Northing : 25.00
Easting : 900.00
Grid : STAVERTON
Direction : GRID S
Inclination : -45.0
Elevation : 390.00
Azimuth : 180.0
Mag Azimuth : mag 180.0, 179.0, 179.0, 180.0, 180.5, 179.0; OM=12.5T OR -45.0G
Length (m) : 267.20
Precol. (m) : 3.00m
BOCO : <3.0m
TFR : 35.80m
Water Table : N/A

Drill Type :LY38
Core Size :HQ 3.00 NQ
Contractor :LONGYEAR

Dip Tests Method: EASTMAN

Depth	Az	Dip
50.0	179.0	-44.8
100.0	179.0	-44.6
150.0	180.0	-40.7
200.0	180.5	-37.0
267.2	179.0	-34.0

Property : STAVERTON
State : Tasmania
GMR : WILMOT 4241
E.L. No. : GOWRIE PARK
Project No. : 706
Date Started : 13/12/92
Date Completed: 20/12/92
Logged by : G. MacDONALD
Relogged by :
Date Logged : 6/1/93
Interpreted : G. MacDONALD
Initialled :

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)
							Au, Ag assays in appendix K		
.00	3.00	PRECOLLAR							
3.00	17.90	INTERMEDIATE LAVA / INTERMEDIATE TUFFS Medium grained feldspar mafic phyric moderately foliated strongly weathered intermediate volcanic rock being either a crystal tuff or a lava. The rock is red to tan due to weathering of the chloritic matrix. In patches the rock is pale due to leaching. Feldspars are generally tabular and sericitized a pale colour. Mafics are chloritic and are tabular or acicular but sheared and they were probably plagioclase feldspars. The rock contains occasional gossanous patches with manganese staining and occasional very fine chlorite veins and the rock is moderately foliated at 40 to 50 degrees to the core axis. Gossanous veins are irregularly oriented. The amount of veining increases somewhat downhole, the best zones being from 17.05 to 17.30.	S00601	3.00	5.00	2.00	100	2150	2150
			S00602	5.00	7.20	2.20	170	500	210
			S00603	7.20	8.80	1.60	66	290	70
			S00604	8.80	10.20	1.40	94	320	145
			S00605	10.20	11.20	1.00	120	1150	690
			S00606	11.20	12.00	.80	110	565	210
			S00607	12.00	13.00	1.00	145	675	515
			S00608	13.00	14.00	1.00	175	515	180
			S00609	14.00	15.00	1.00	165	465	200
			S00610	15.00	16.00	1.00	175	560	245
			S00611	16.00	17.00	1.00	135	565	245
			S00612	17.00	18.00	1.00	135	965	385
17.90	22.20	FELSIC TUFF Medium grained feldspar quartz phyric, massive, generally weathered and leached with a pale matrix. In patches the rock may contain mafic phenocrysts and quartz and feldspar phenocrysts are not ubiquitous. The rock appears to be a tuff as phenocrysts are somewhat fragmented. The feldspars are probably obliterated by moderate sericite alteration. Occasional manganese stained fine cross-cutting veins, fine sericite or leached chlorite veins are present at low angles to the core axis. The most gossanous patches are from 18.20 to 18.75, 19.20 to 19.30, 20.20 to 20.50, 20.80 to 21.00 and 22.10 to 22.20.	S00613	18.00	19.00	1.00	110	940	275
			S00614	19.00	20.00	1.00	91	940	935
			S00615	20.00	21.00	1.00	195	885	655
			S00616	21.00	22.00	1.00	245	1150	675
			S00617	22.00	25.00	3.00	145	1800	1250
22.20	29.30	INTERMEDIATE TUFFS Medium grained feldspar and mafic phyric, massive, possibly weakly foliated at 50 to 60 degrees to the core axis, weathered rock. Feldspars are generally anhedral and sericitized, mafics sparser than from 3.00 to 17.90, are chloritic. Fine chlorite veins and gossanous manganese stained veins are both generally at 15 to 50 degrees to the core axis. The rock is strongly manganese stained from	S00618	25.00	26.00	1.00	150	1050	1250
			S00619	26.00	27.00	1.00	135	530	705
			S00620	27.00	28.00	1.00	110	530	530
			S00621	28.00	29.40	1.40	115	750	610

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Cu (ppm)	Pb (ppm)	Zn (ppm
		28.90 to 29.30. The lower contact is in broken core.							
29.30	31.20	FELSIC TUFF Very similar to the intersection from 17.90 to 22.20. The rock is pale to tan in colour being weathered and leached and contains medium grained feldspar and quartz phenocrysts the former generally sericitized as is the matrix. The rock contains approximately 0.5% disseminated clots of pyrite with oxidised rims and fully oxidised clots. Fine grained chloritic clots appear more like alteration than mafic phenocrysts. A 10 mm thick quartz minor pyrite vein cross-cuts at 45 degrees to the core axis at 29.40.	S00622	29.40	31.20	1.80	100	175	355
31.20	35.80	INTERMEDIATE TUFFS Similar rock to that intersected from 22.20 to 29.30. The rock is generally oxidised with some fresh patches showing the rock to be a medium grained feldspar phyric rock moderately chlorite and silica altered with sericitisation of the feldspar. Fine chlorite veins are generally at moderate angles to the core axis. The rock contains 1% pyrite throughout as fine grained disseminations.	S00623	31.20	33.00	1.80	65	130	380
			S00624	33.00	34.20	1.20	98	81	380
			S00625	34.20	35.80	1.60	140	175	335
35.80	39.65	INTERMEDIATE TUFFS / CHLORITE SILICA PYRITE ALTERATION Essentially the same rock as for 31.20 to 35.80 except unweathered. The rock contains occasional medium grained sericitized feldspars but is generally a mottled green white with fine grained to medium grained clots of chlorite in a pale silica-sericite matrix. 2% to 4% pyrite throughout occurs as fine grained to very fine grained disseminations generally associated with chlorite alteration. Some medium grained chlorite clots look subhedral suggesting they were originally mafics. Much of the core is broken with substantial core loss.	S00626	35.80	38.40	2.60	375	130	205
			S00627	38.40	40.00	1.60	315	72	1050
39.65	40.60	SILICA SERICITE PYRITE ALTERATION Very pale moderately silicified and sericitized rock with 5% pyrite in coarse grained clots and finer disseminations generally associated with patches of silicification. A pale pink colour in patches is probably manganese carbonate. Diffuse dark green patches invariably associated with pyrite in the silicification are chlorite. The sericite is in very fine veinlets and as diffuse alteration. The upper contact and lower contact are gradational. No obvious phenocrysts are evident.	S00628	40.00	41.00	1.00	390	56	450
40.60	49.60	INTERMEDIATE LAVA / CHLORITE SILICA PYRITE ALTERATION Location of the lower contact is uncertain due to 1.70m core from 48.10 to 49.20. The rock is moderately chlorite and silicic altered throughout and is generally massive but contains somewhat tabular medium grained clots of chlorite probably after mafics or feldspars which are moderately foliated at 45 degrees to the core axis. Below 46.65 the medium grained clots of chlorite and lesser sericite are distinctive. There are also subhedral clots of sericite. Pyrite, approximately 2% to 4% throughout, is in irregular veins and associated with chlorite	S00629	41.00	42.00	1.00	270	22	305
			S00630	42.00	43.00	1.00	225	42	420
			S00631	43.00	44.00	1.00	49	41	345
			S00632	44.00	46.00	2.00	285	11	655
			S00633	46.00	47.00	1.00	27	115	755
			S00634	47.00	48.10	1.10	95	4450	1050
			S00635	48.10	49.00	.90	24	38	365
			S00636	49.00	50.00	1.00	17	35	100

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)
		alteration. The rock is also diffusely ferruginous carbonate altered in spots and broader veins.							
49.60	50.80	SHEAR ZONE / SILICA SERICITE PYRITE ALTERATION Strongly sericitized, moderate to strongly silicified, and schistose sulphidic rock. Rock contains foliated apple green fuchsitic patches after feldspars. From 49.85 to 50.20 the rock is strongly sheared ie a shear zone at 60 degrees to the core axis. 5% pyrite throughout is in coarse grained clots and in concordant pyrite carbonate veins. At 50.30 is a concordant pyrite vein. The selvedges to the inner sericitic shear zone are first silicified then chloritic further out with gradational lower and upper contacts. The rock also contains strong carbonate veining apparently syngenetic to the sulphides silica and chlorite.	S00637	50.00	51.00	1.00	23	9	115
50.80	76.50	INTERMEDIATE LAVA / CHLORITE SILICA PYRITE ALTERATION FELDSPAR PHYRIC, CHLORITIC ROCK. Dark green rock with medium grained plagioclase feldspar throughout. Rock is moderately to strongly chloritic throughout with 2% to 4% pyrite as disseminations and fine irregular veinlets. Texturally the rock is massive becoming more foliated downhole. The rock contains occasional carbonate and carbonate quartz veins. Pale green sericite rims on mafic phenocrysts are a common feature with a chloritic core. There are at least two generations of these carbonate veins. In patches the rock is finer grained and more massive. There are also more minor silica sericite altered zones as noted below.	S00638	51.00	52.00	1.00	59	8	155
			S00639	52.00	53.00	1.00	82	22	380
			S00640	53.00	54.00	1.00	87	430	500
			S00641	54.00	55.00	1.00	17	31	405
			S00642	55.00	56.00	1.00	51	<5	180
			S00643	56.00	57.00	1.00	12	<5	160
			S00644	57.00	58.00	1.00	10	<5	140
			S00645	58.00	59.00	1.00	5	<5	97
			S00646	59.00	60.00	1.00	22	<5	82
			S00647	60.00	61.00	1.00	17	260	72
			S00648	61.00	62.00	1.00	42	145	100
			S00649	62.00	63.00	1.00	35	18	110
			S00650	63.00	64.00	1.00	77	7	190
			S00651	64.00	65.00	1.00	22	33	130
			S00652	65.00	66.00	1.00	6	12	135
			S00653	66.00	67.00	1.00	20	<5	140
			S00654	67.00	68.00	1.00	19	795	115
			S00655	68.00	69.00	1.00	9	30	83
			S00656	69.00	70.00	1.00	6	41	75
			S00657	70.00	71.00	1.00	7	13	140
			S00658	71.00	72.00	1.00	7	<5	255
			S00659	72.00	73.00	1.00	8	22	225
			S00660	73.00	74.00	1.00	53	23	420
			S00661	74.00	75.00	1.00	33	3000	3600
			S00662	75.00	76.00	1.00	86	55	290
			S00663	76.00	77.00	1.00	49	695	375
	50.80	60.90 As above with altered plagioclase phenocrysts throughout and 2% to 4% pyrite as fine disseminations. Rock is moderately silicified.							
	58.65	PETROLOGICAL SAMPLE 27/; moderately altered holocrystalline andesitic to dacitic intrusive.							
	60.90	61.20 Strongly sulphidic zone with 10% pyrite as disseminated spots. More strongly silicified but with chlorite alteration and altered feldspar phenocrysts visible. The rock contains a vein cross-cutting at 30 degrees to the core axis with quartz and a very dark mineral very probably chlorite.							
	61.20	62.80 As above with altered feldspar phenocrysts and 4% pyrite throughout.							
	62.80	64.20 Fine grained dark green chloritic rock with silica fine grained altered plagioclase feldspar phenocrysts visible with 1% pyrite.							
	64.20	65.80 As above with altered plagioclase feldspar phenocrysts and 2% pyrite, although the rock is paler green and more moderately silicified.							
	65.80	65.90 Strongly silicified, pale pink with medium grained chloritic altered plagioclase feldspar phenocrysts and 2% pyrite in clots.							
	65.90	66.55 As above with altered plagioclase feldspar phenocrysts and 4% pyrite. At 66.15 a fine vein at 30 degrees to the core axis contains a red brown mineral with some associated medium							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Cu (ppm)	Pb (ppm)	Zn (ppm
		grained clots of the same in the rock adjacent to the vein.							
	66.55	66.70 Mottled pale brown rock with 1% pyrite. Pale brown mineral is a medium grained moderately hard mineral which may be silicified biotite.							
	66.70	66.90 As above with medium grained altered plagioclase feldspar phenocrysts and 1% pyrite.							
	66.90	67.10 Pale brown moderately silicified sericite altered rock. Rock is moderately schistose at 40 degrees to the core axis, dipping 38 to 122 (TN). Rock contains 4% pyrite associated with carbonate alteration.							
	67.10	76.50 As above with medium grained altered plagioclase feldspar phenocrysts in a chloritic matrix. The rock contains approximately 2% to 4% pyrite and rock has a gradational lower contact. From 67.10 to 67.40 the rock is also moderately sericite altered with 4% of pyrite in a shear like vein from 67.25 to 67.30 at 45 degrees to the core axis dipping 35 to 132 (TN). A quartz carbonate vein with minor galena at 67.90 at 30 degrees to the core axis is concordant to the foliation dipping 29 to 142 (TN). Moderate schistosity and concordant quartz carbonate veining at 68.30 dips 40 to 326 (TN). At 69.10 a concordant quartz carbonate vein dipping 25 to 140 (TN) contains the red mineral with a 10 mm clot of galena. Another pyrite vein concordant to foliation at 69.90 at 35 degrees to the core axis dips 33 to 132 (TN). The rest of the rock is the medium grained altered plagioclase phyric, chloritic rock with 2% to 4% pyrite throughout. From 74.60 to 74.75 the rock contains 5% to 10% galena, minor chalcopyrite and possibly some fine grained grey sphalerite associated with deformed white silicification. The lower contact is sharp, weakly schistose and at 45 degrees to the core axis.							
76.50	82.40	VOLCANICLASTIC / SILICA SERICITE PYRITE ALTERATION ALTERED FELSIC VOLCANICLASTIC. Mottled pinky orange and pale brown rock rich in medium grained rounded quartz clasts and probably albitised feldspars. The rock is moderately sericite altered throughout with a weak foliation at 45 degrees to the core axis and contains 5% pyrite throughout in fine disseminations and cross-cutting veinlets. From 76.90 to 77.50 the rock contains 1% galena associated with quartz chlorite pyrite veins / alteration. The rock contains occasional fine concordant veinlets of pyrite and contains sub - angular pale pinky orange clasts to 15 mm. The lower contact is sharp and brecciated over 20 mm and irregular.	S00664	77.00	78.00	1.00	29	790	535
			S00665	78.00	79.00	1.00	51	41	49
			S00666	79.00	80.00	1.00	60	29	25
			S00667	80.00	81.00	1.00	95	35	27
			S00668	81.00	82.00	1.00	7	21	37
			S00669	82.00	83.00	1.00	13	100	295
	81.15	PETROLOGICAL SAMPLE 20/; strongly altered quartz phyric crystal vitric tuff or ash rich volcaniclastic sandstone.							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Cu (ppm)	Pb (ppm)	Zn (ppm
82.40	87.50	INTERMEDIATE LAVA / CHLORITE SILICA PYRITE ALTERATION							
		Chloritic altered, medium grained altered plagioclase phyric rock with feldspars. Rock is moderately chlorite altered and moderately silicified. Below 85.00 the rock is more strongly silicified. The rock is strongly foliated at 45 degrees to the core axis and contains approximately 2% to 4% pyrite throughout increasing downhole. Cross-cutting pyrite vein at 85.70. Occasional pyrite quartz veins are concordant to the foliation. The rock also contains cross-cutting 10 to 30 mm thick quartz carbonate veins.	S00670	83.00	84.00	1.00	35	140	420
			S00671	84.00	85.00	1.00	10	45	175
			S00672	85.00	86.00	1.00	8	13	145
			S00673	86.00	87.50	1.50	9	45	86
		85.10 PETROLOGICAL SAMPLE 28/; strongly altered holocrystalline andesitic to dacitic intrusive.							
87.50	88.40	INTERMEDIATE LAVA / CHLORITE SILICA PYRITE ALTERATION							
		Moderately to strongly silicified and chloritic and weak to moderately sericite altered rock with 10% pyrite in disseminated clots and concordant veinlets at 45 degrees to the core axis and 1% galena throughout associated with irregular quartz carbonate veining. Phenocrysts are not obvious. The upper contact is marked by a 2 mm thick concordant vein of pyrite.	S00674	87.50	88.40	.90	36	<5	72
88.40	135.75	INTERMEDIATE LAVA / CHLORITE SILICA PYRITE ALTERATION							
		Predominantly moderately silica and chlorite altered plagioclase feldspar phyric foliated rock with 2% to 4% pyrite throughout. The rock contains occasional moderately sericite altered zones as noted below.	S00675	88.40	89.00	.60	8	455	81
			S00676	89.00	90.00	1.00	11	105	90
			S00677	90.00	91.00	1.00	14	105	105
			S00678	91.00	92.00	1.00	13	205	90
		88.40 90.45 Moderately sericite and chlorite altered zone with 5% pyrite throughout. The rock contains apple green sericite patches. Phenocrysts are chloritic and are plagioclase feldspars. The rock becomes more strongly silicified from 90.05 to 90.45 and is foliated at 45 degrees to the core axis. The lower contact is schistose at 60 degrees to the core axis.	S00679	92.00	93.00	1.00	9	76	195
			S00680	93.00	94.00	1.00	13	21	225
			S00681	94.00	95.00	1.00	23	39	200
			S00682	95.00	96.00	1.00	20	120	130
			S00683	96.00	97.00	1.00	19	135	79
			S00684	97.00	98.00	1.00	80	110	145
			S00685	98.00	99.00	1.00	100	21	140
			S00686	99.00	100.00	1.00	31	14	94
		90.45 93.20 Weakly sericite, moderately chlorite and silica altered zone that is foliated at 45 degrees to the core axis and contains 4% pyrite. Chlorite altered medium grained phenocrysts were feldspars.	S00687	100.00	101.00	1.00	32	11	115
			S00688	101.00	102.00	1.00	10	27	61
			S00689	102.00	103.00	1.00	68	12	145
			S00690	103.00	104.00	1.00	41	15	125
			S00691	104.00	105.00	1.00	73	26	110
		93.20 93.30 Moderately chloritic and sericite altered with feldspars and possibly quartz phenocrysts though the latter probably are alteration effects.	S00692	105.00	106.00	1.00	44	53	130
			S00693	106.00	107.00	1.00	38	96	95
			S00694	107.00	108.00	1.00	62	11	62
			S00695	108.00	109.00	1.00	22	27	47
		93.30 96.30 As above moderately chloritic and silicified in a mottled patchy style. Rock contains 2% pyrite throughout.	S00696	109.00	110.00	1.00	34	16	80
			S00697	110.00	111.00	1.00	25	59	71
			S00698	111.00	112.00	1.00	35	37	130
		96.30 97.00 Pale pinky orange more like a quartz carbonate rich volcaniclastic but may be alteration. Rock is weakly sericite altered and contains 2% pyrite in veinlets.	S00699	112.00	113.00	1.00	25	46	200
			S00700	113.00	114.00	1.00	46	10	165
			S00701	114.00	115.00	1.00	39	<5	100
			S00702	115.00	116.00	1.00	17	<5	92
		97.00 98.20 Moderately chloritic rock with feldspar phenocrysts with a 20 mm fine grained pyrite vein at 25 degrees to the core axis at 97.40 to 97.50.	S00703	116.00	117.00	1.00	9	<5	115
			S00704	117.00	118.00	1.00	17	27	165
			S00705	118.00	119.00	1.00	12	91	220
			S00706	119.00	120.00	1.00	28	69	185
		98.20 99.50 Moderately chlorite and sericite altered rock,	S00707	120.00	121.00	1.00	14	150	240

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Cu (ppm)	Pb (ppm)	Zn (ppm
		foliated / schistose at 50 degrees to the core axis. Rock contains medium grained rounded clasts (?), which may be an alteration effect, at 98.80 to 98.90. Elsewhere the rock contains medium grained plagioclase feldspars. The rock is fine grained from 98.20 to 98.70. The rock contains large patches of diffuse silicification and contains 2% pyrite throughout with 4% pyrite in the more sericite altered patches.	S00708	121.00	122.00	1.00	21	74	250
			S00709	122.00	123.00	1.00	96	56	210
			S00710	123.00	124.00	1.00	50	6	125
			S00711	124.00	125.00	1.00	33	7	155
			S00712	125.00	126.00	1.00	15	<5	190
			S00713	126.00	127.00	1.00	20	24	235
			S00714	127.00	128.00	1.00	20	85	130
			S00715	128.00	129.00	1.00	5	<5	58
			S00716	129.00	130.00	1.00	11	<5	62
			S00717	130.00	131.00	1.00	10	<5	73
			S00718	131.00	132.00	1.00	12	<5	95
			S00719	132.00	133.00	1.00	46	190	260
			S00720	133.00	134.00	1.00	33	14	81
			S00721	134.00	135.00	1.00	46	390	125
			S00722	135.00	136.00	1.00	24	180	140
99.50	101.20	As above. Chloritic rock with 2% pyrite throughout. A moderately developed schistosity is at 45 degrees to the core axis. Phenocrysts somewhat ghosted.							
101.20	102.00	Patch of brecciated silicification and carbonate alteration in a sheared moderately chloritic and sericite altered matrix with 4% pyrite in disseminated clots.							
102.00	106.85	As above. Chloritic, moderately foliated rock with approximately 2% pyrite throughout with medium grained ghosted phenocrysts, probably feldspars. The rock is moderately schistose at 45 to 50 degrees to the core axis, dipping 10 to 240 (TN) at 102.50 and 8 to 024 (TN) at 104.10. A sheared breccia zone of silicification from 103.70 to 104.00 dips shallowly to 220 (TN).							
106.85	107.40	Fine grained chloritic rock with sharp upper contact and lower contact at approximately 50 and 70 degrees to the core axis respectively.							
107.40	126.90	Moderately chloritic, weak to moderately schistose rock, generally with medium grained chloritic phenocrysts. Phenocrysts generally tabular or blocky suggestive of feldspars. The rock contains 1% to 2% fine grained disseminated pyrite throughout and irregularly cross-cutting carbonate veins. The rock contains very occasional carbonate veins with the red mineral predominantly from 119.40 to 120.50. The rock is foliated / schistose at 45 to 50 degrees to the core axis throughout, dipping 12 to 036 (TN) at 120.50. A carbonate and red mineral vein dips 35 to 328 (TN) and another, also with pyrite, dips 63 to 322 (TN).							
111.15		PETROLOGICAL SAMPLE 33/; strongly altered plagioclase phyric felsic lava.							
126.90	132.10	Chloritic rock still but more sandy in appearance with a weakly mottled quartz chlorite alteration style throughout. The rock is weakly schistose throughout at approximately 45 degrees to the core axis. The rock contains approximately 1% pyrite as disseminations and contains cross-cutting fracture fill carbonate veins.							
132.10	135.75	Chloritic rock with medium grained altered							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)
		feldspar phenocrysts. From 134.90 to 135.75 feldspar phenocrysts are pale green and sericite altered. The rock contains 1% to 2% pyrite throughout with 4% from 132.50 to 132.70 and 134.30 to 134.60. A brecciated and sheared chloritic zone of silicification and carbonate alteration from 132.70 to 132.80 is sheared at 35 degrees to the core axis.							
135.75	137.10	SHEAR ZONE / SILICA SERICITE PYRITE ALTERATION / CHLORITE SILICA PYRITE ALTERATION							
		Strongly sheared, schistose, chlorite and sericite altered zone with sheared and deformed quartz and carbonate veins. Some patches are very sulphidic. Sericite is apple green in patches. Medium grained phenocrysts, foliated at 45 degrees to the core axis are probably feldspars.	S00723	136.00	137.00	1.00	61	1750	840
			S00724	137.00	138.00	1.00	65	47	115
		135.75 136.50 Initially more sericite altered, becoming more chloritic downhole with approximately 2% pyrite throughout and carbonate veining sub - parallel to the core axis. The rock is schistose at 50 degrees to the core axis dipping 68 to 008 (TN) at 136.30.							
		136.50 136.70 More chloritic with 2% galena and trace chalcopyrite associated with concordant carbonate veining with the red mineral. The concordant veins are at 136.50 and 136.70 with some minor fine grained pyrite at 136.70. Both veins are at 40 degrees to the core axis, dipping 85 to 015 (TN) at 136.50. The red mineral is approximately 2% of the rock. The veins have the red mineral in the centre with galena selvedges. The vein at 136.70 dips 82 to 022 (TN).							
		136.70 137.10 More chloritic with deformed quartz carbonate veining and 2% pyrite.							
137.10	143.20	INTERMEDIATE LAVA / CHLORITE SILICA PYRITE ALTERATION							
		Similar to previous chloritic rocks but with medium grained more blocky chloritic phenocrysts throughout ghosted by chlorite alteration. The rock is weak to moderately foliated at 45 degrees to the core axis and rock contains 1% to 2% pyrite throughout as disseminations and irregular veinlets. The rock contains cross-cutting carbonate veins with a pale red mineral at 45 degrees to the core axis at 139.30 and 139.70. The rock contains 1% to 2% pyrite throughout and contains medium grained plagioclase phenocrysts now pale green and sericite altered. Cross-cutting carbonate pyrite veins are generally at 40 to 70 degrees to the core axis and are not parallel to the foliation. From 138.15 to 138.70 the rock is a zone of strong sericite alteration and silicification. Sericite alteration of feldspar phenocrysts here is apple green. The zone contains 5% pyrite. The lower contact is gradational.	S00725	138.00	139.00	1.00	32	20	92
			S00726	139.00	140.00	1.00	48	29	145
			S00727	140.00	141.00	1.00	20	10	125
			S00728	141.00	142.00	1.00	14	100	120
			S00729	142.00	143.00	1.00	10	32	88
			S00730	143.00	144.00	1.00	11	60	69
143.20	146.05	INTERMEDIATE LAVA / SHEAR ZONE / SILICA SERICITE PYRITE							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Cu (ppm)	Pb (ppm)	Zn (ppm
		ALTERATION							
		Pale tan to pale pinky brown massive to moderately schistose sulphidic rock. Weakly ghosted medium grained phenocrysts appear to be feldspars. The rock contains 10% pyrite throughout with 1% galena below 145.00. The pyrite veining is at low angles to the core axis in the more massive parts predominantly from 143.20 to 144.00 and 144.60 to 145.00. These pyrite veins are generally at 10 to 20 degrees to the core axis. Elsewhere the rock is schistose and more strongly sericite altered with 5% to 10% pyrite in veins concordant to carbonate veining and the schistosity at 40 degrees to the core axis. The rock contains 2% to 4% of fine grained pyrite from 144.00 to 144.60 and from 145.10 to 145.20. From 145.00 to 146.05 the rock contains approximately 1% galena in veining associated with carbonate generally at low angles to the core axis though pre-deformation. The lower contact is gradational over 100 mm.	S00731	144.00	145.00	1.00	9	1450	315
			S00732	145.00	146.00	1.00	20	2700	1700
			S00733	146.00	147.00	1.00	21	320	160
		143.35 PETROLOGICAL SAMPLE 32/; strongly altered formerly plagioclase phyric lava.							
		144.10 PETROLOGICAL SAMPLE 31P/; strongly sheared, sericite-carbonate-quartz-pyrite felsic rock with 2% to 3% pyrite, trace rutile and trace galena.							
		144.25 PETROLOGICAL SAMPLE 30/; strongly altered formerly plagioclase phyric lava.							
146.05	166.50	INTERMEDIATE LAVA / CHLORITE SILICA PYRITE ALTERATION							
		Dark green chloritic rock as logged previously. The rock is moderately foliated / schistose throughout at 50 degrees to the core axis and contains 1% to 2% pyrite throughout with occasional patches to 5%. The rock contains medium grained, now chloritic, phenocrysts which are altered feldspars, some phenocrysts being sericite altered. At 153.20 the schistosity dips 70 to 024 (TN). The rock is more pyritic from 147.90 to 148.10, 149.70 to 150.70 and 160.00 to 160.30. From 161.40 to 161.90 the rock is strongly sericite altered with apple green sericite alteration of medium grained phenocrysts with deformed patches of silicification. The zone contains 4% pyrite. From 163.00 to 163.20 the rock is strongly silicified with 5% pyrite in clots. There is a strongly silicified zone from 163.10 to 163.20 with carbonate veins containing the red mineral. The lower contact is gradational.	S00734	147.00	148.00	1.00	34	31	84
			S00735	148.00	149.00	1.00	45	42	105
			S00736	149.00	150.00	1.00	43	99	175
			S00737	150.00	151.00	1.00	40	140	255
			S00738	151.00	152.00	1.00	25	<5	67
			S00739	152.00	153.00	1.00	47	<5	98
			S00740	153.00	154.00	1.00	<4	<5	110
			S00741	154.00	155.00	1.00	32	<5	105
			S00742	155.00	156.00	1.00	18	<5	88
			S00743	156.00	157.00	1.00	59	<5	57
			S00744	157.00	158.00	1.00	13	<5	58
			S00745	158.00	159.00	1.00	18	21	59
			S00746	159.00	160.00	1.00	46	105	130
			S00747	160.00	161.00	1.00	34	50	105
			S00748	161.00	162.00	1.00	20	340	160
			S00749	162.00	163.00	1.00	72	375	560
			S00750	163.00	164.00	1.00	61	73	140
			S00751	164.00	165.00	1.00	15	25	110
			S00752	165.00	166.00	1.00	46	<5	62
			S00753	166.00	167.00	1.00	8	9	155
166.50	173.70	INTERMEDIATE LAVA / CHLORITE SILICA PYRITE ALTERATION							
		Dark green moderately chloritic but strongly silicified rock with approximately 4% pyrite throughout. The rock contains cross-cutting quartz carbonate veins from 171.80 to 172.20 at high angles to the core axis. The rock is moderately schistose / foliated at 50 degrees to the core axis with occasional patches of now chloritic phenocrysts concordant to the foliation. The rock is gradational	S00754	167.00	168.00	1.00	75	7	47
			S00755	168.00	169.00	1.00	<4	24	44
			S00756	169.00	170.00	1.00	11	36	80
			S00757	170.00	171.00	1.00	59	37	62
			S00758	171.00	172.00	1.00	27	46	115
			S00759	172.00	173.00	1.00	36	21	170
			S00760	173.00	174.00	1.00	115	86	235

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Cu (ppm)	Pb (ppm)	Zn (ppm
		between the overlying chloritic pyritic rock and the underlying breccia.							
173.70	176.70	VOLCANICLASTIC / BRECCIA Mottled quartz chlorite silicified lithic rich volcaniclastic. This unit has a mottled appearance due to medium grained chloritic clots forming the matrix to medium grained to coarse grained sub - rounded quartz clots and pinky orange siliceous lithics with feldspars and lesser quartz phenocrysts. The chloritic clots may be after phenocrysts but it really looks more like alteration. The edges of quartz clasts are somewhat diffuse and the lower contact is somewhat sharp but the underlying rock is still probebly a volcaniclastic. There is a pebbly zone of broken core at 175.10. The rock contains approximately 0.3% galena and 0.1% chalcopyrite with 1% pyrite as fine grained aggregates. A vein 3 mm thick of fine grained pyrite at 173.90 dips 72 to 288 (TN). A weak foliation at 175.00 dips 40 to 135 (TN).	S00761 S00762 S00763	174.00 175.00 176.00	175.00 176.00 177.00	1.00 1.00 1.00	135 150 125	1000 545 185	3800 1250 96
176.70	180.20	SHEAR ZONE / VOLCANICLASTIC / SILICA SERICITE PYRITE ALTERATION Foliated / schistose rock consisting of fine grained pyrite in veins / sheets at 35 to 45 degrees to the core axis. This zone is sheared with moderate sericite and chlorite alteration, the carbonate and quartz veins are deformed. The rock contains 5% of fine grained pyrite from 178.05 to 178.30 and 179.90 to 180.20 with 2% from 178.30 to 179.90 where the rock more closely resembles the volcaniclastic from 173.70 to 176.70. The rock contains 4% pyrite throughout and is generally more sericite altered and only weak to moderately chlorite altered with moderate silicification. The lower contact is sharp and at 70 degrees to the core axis. 178.25 PETROLOGICAL SAMPLE 16P/; strongly schistose, sericite-carbonate pyrite-tourmaline altered felsic volcanic with 7% to 10% pyrite, 2% to 3% tourmaline and trace rutile and chalcopyrite. 180.10 PETROLOGICAL SAMPLE 17P/; strongly sheared, sericite-carbonate-quartz-pyrite felsic volcanic with 3% to 5% pyrite.	S00764 S00765 S00766	177.00 178.00 178.90	178.00 178.90 180.20	1.00 .90 1.30	43 45 18	24 36 15	43 30 25
180.20	184.40	INTERMEDIATE LAVA / CHLORITE SILICA PYRITE ALTERATION More silicified than chloritic, alteration with medium grained chloritic feldspar phenocrysts with moderate silicification predominantly from 182.80 to 184.40. The rock is generally moderately schistose at 50 degrees to the core axis and is transitional between the overlying and underlying rocks. The lower contact is somewhat gradational.	S00767 S00768 S00769 S00770 S00771	180.20 181.00 182.00 183.00 184.00	181.00 182.00 183.00 184.00 185.00	.80 1.00 1.00 1.00 1.00	6 13 11 5 4	<5 10 8 16 9	69 51 50 22 110
184.40	203.20	INTERMEDIATE LAVA / CHLORITE SILICA PYRITE ALTERATION Similar to the previous chloritic rock with a mottled appearance. The rock contains medium grained chloritic phenocrysts throughout with a moderate foliation that is at 45 to 50 degrees to the core axis and dipping 55 to 114	S00772 S00773 S00774 S00775	185.00 186.00 187.00 188.00	186.00 187.00 188.00 189.00	1.00 1.00 1.00 1.00	34 <4 6 17	8 <5 <5 <5	120 60 55 73

974130

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Cu (ppm)	Pb (ppm)	Zn (ppm
		(TN) at 185.80. The rock contains 2% pyrite throughout, occasional generally concordant cross-cutting carbonate and quartz carbonate veins. The rock contains very occasional red mineral with carbonate in veins from 194.10 to 195.30. The lower contact is sharp at 40 degrees to the core axis. There is a deformed bed of pale green siltstone at 45 degrees to the core axis.	S00776	189.00	190.00	1.00	28	13	63
			S00777	190.00	191.00	1.00	33	7	51
			S00778	191.00	192.00	1.00	54	10	61
			S00779	192.00	193.00	1.00	13	5	66
			S00780	193.00	194.00	1.00	52	11	88
			S00781	194.00	195.00	1.00	5	<5	105
			S00782	195.00	196.00	1.00	36	17	100
		187.30 PETROLOGICAL SAMPLE 23/; moderately altered holocrystalline andesitic to dacitic intrusive.	S00783	196.00	197.00	1.00	62	30	95
			S00784	197.00	198.00	1.00	50	56	89
			S00785	198.00	199.00	1.00	54	17	61
			S00786	199.00	200.00	1.00	35	7	81
			S00787	200.00	201.00	1.00	13	5	72
			S00788	201.00	202.00	1.00	28	32	67
			S00789	202.00	203.00	1.00	22	8	61
			S00790	203.00	204.00	1.00	47	29	72
203.20	206.80	INTERMEDIATE LAVA / CHLORITE SILICA PYRITE ALTERATION							
		Dark green chloritic rock but more fine grained than overlying rock with medium grained sericitised plagioclase phenocrysts. The difference with the overlying rock is that the overlying rock is more mottled and possibly more sandier. The rock contains approximately 1% disseminated pyrite throughout. The lower contact is sharp, marked by a quartz carbonate vein at 40 degrees to the core axis.	S00791	204.00	205.00	1.00	67	14	100
			S00792	205.00	206.00	1.00	72	5	75
			S00793	206.00	207.00	1.00	14	8	61
206.80	213.00	VOLCANICLASTIC							
		FELSIC VOLCANICLASTIC. Pinky orange medium grained quartz rich, massive with cross-cutting fine carbonate veins and 2% pyrite in fine grained disseminated clots. Rock contains occasional lithics. At 211.60 there is a contact at 30 degrees to the core axis with a fine grained siliceous version of the overlying rock. The fine grained rock has a sharp contact at 50 degrees to the core axis at 212.30 with a medium grained quartz rich volcaniclastic. The fine grained rock shows a weak banding at 30 degrees to the core axis. From 212.30 to 213.00 the rock contains disseminated medium grained clots of chlorite looking somewhat like the volcaniclastic from 173.70 176.70. The lower contact is moderately sheared at 15 degrees to the core axis.	S00794	207.00	208.00	1.00	<4	9	14
			S00795	208.00	209.00	1.00	<4	7	13
			S00796	209.00	210.00	1.00	<4	6	10
			S00797	210.00	211.00	1.00	<4	5	20
			S00798	211.00	212.00	1.00	94	5	56
			S00799	212.00	213.00	1.00	160	13	46
213.00	214.45	PSAMMITE							
		Pale green to green brown fine grained to medium grained ghosted feldspar and fine grained to medium grained quartz rich sediment. There is a weak bedding at 50 degrees to the core axis at 213.30. The rock contains approximately 0.5% pyrite throughout in disseminations. The lower contact is at 45 degrees to the core axis and is sharp but unsheared.	S00800	213.00	214.00	1.00	44	5	75
			S00801	214.00	215.00	1.00	97	43	145
214.45	216.10	VOLCANICLASTIC							
		FELSIC VOLCANICLASTIC. Quartz rich volcaniclastic as for 206.80 to 213.00 except rock fines up downhole in broken core. The rock contains approximately 1% disseminated pyrite. The lower contact is not obvious but feldspars become more common and quartz less so below 216.10. The rock contains 1% disseminated	S00802	215.00	216.00	1.00	50	865	185
			S00803	216.00	217.00	1.00	100	300	225

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)
		pyrite.							
216.10	217.35	PSAMMITE Somewhat mixed package of fine grained to medium grained rock generally with feldspars now ghosted. 216.10 216.35 Moderately foliated at 55 degrees to the core axis. Rock contains occasional medium grained sericite patches and occasional medium grained quartz. At 216.35 is a quartz carbonate vein at 40 degrees to the core axis 216.35 216.45 Pale brown fine grained siltstone with irregular bedding at 40 degrees to the core axis. The upper and lower contacts are both sharp. 216.45 217.15 Sediment, strongly foliated at 35 to 40 degrees to the core axis and containing occasional medium grained rounded quartz and elongate feldspars. The rock is a sediment. The rock contains concordant deformed carbonate veins with minor associated galena and 2% pyrite in disseminated clots. The lower contact is very sharp, conformable and at 70 degrees to the core axis. 217.15 217.30 Pale brown to pale green fine grained siltstone with rounded clots of quartz as alteration. Rock contains 0.5% pyrite. The lower contact is sharp at 70 degrees to the core axis. 217.30 217.35 Very chloritic zone. Probably a coarser sediment with strong chlorite alteration. Rock contains 4% pyrite and 4% of the red mineral, darker now. The lower contact is sharp and at approximately 80 degrees to the core axis.	S00804	217.00	218.00	1.00	30	74	325
217.35	219.30	INTERMEDIATE LAVA INTERMEDIATE LAVA OR INTRUSIVE. Deformed carbonate altered rock, silicified. The rock was originally logged as a sandy sediment though the thin section shows this to be an andesitic to dacitic intrusive. From 217.35 to 218.55 the rock contains 1% pyrite. From 218.55 to 219.30 the rock contains 2% galena in clots associated with carbonate alteration. 217.40 PETROLOGICAL SAMPLE 24/; strongly altered holocrystalline andesitic to dacitic intrusive.	S00805 S00806	218.00 219.00	219.00 220.00	1.00 1.00	24 48	3100 1100	420 320
219.30	220.00	VOLCANICLASTIC A continuation of the mixed sedimentary unit from 216.10 to 217.35 though now the rock is best described as a felsic volcaniclastic. 219.30 219.40 Small shear at 25 degrees to the core axis adjacent to a quartz vein. 219.40 220.00 Beige green silicified sparsely volcaniclastic rock with quartz and occasional lithics. The rock contains approximately 0.3% pyrite. The lower contact							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)
		is sharp at 70 degrees to the core axis.							
220.00	228.20	INTERMEDIATE LAVA / CHLORITE SILICA PYRITE ALTERATION Similar to previous chloritic rocks. Rock contains 2% pyrite throughout and very minor galena and chalcopyrite associated with clots of carbonate alteration. The rock is weakly foliated with a concordant quartz carbonate vein at 50 degrees to the core axis dipping 70 to 004 (TN) at 222.05. The lower contact is moderately schistose at 50 degrees to the core axis.	S00807	220.00	221.00	1.00	74	11	210
			S00808	221.00	222.00	1.00	54	56	125
			S00809	222.00	223.00	1.00	130	22	125
			S00810	223.00	224.00	1.00	105	2300	225
			S00811	224.00	225.00	1.00	35	110	180
			S00812	225.00	226.00	1.00	20	235	115
			S00813	226.00	227.00	1.00	52	530	405
			S00814	227.00	228.00	1.00	125	1750	950
			S00815	228.00	229.00	1.00	13	110	155
228.20	233.40	INTERMEDIATE LAVA / VOLCANICLASTIC POLYMICT LAVA BRECCIA, INTERMEDIATE. Brecciated irregular fragments of porphyritic lava with ghosted chloritic rims, containing phenocrysts of medium grained sericitized feldspars in a pale green matrix. Fragments lie in a grey green matrix, moderately chloritic. The rock contains pinky orange clots of carbonate, probably a manganese carbonate. There is a discernible foliation of clasts at 50 degrees to the core axis. The rock contains 1% pyrite increasing to 2% downhole. The upper contact is sheared with the first 30cm more of a silicified sediment, pale brown. The rock is not obviously graded as this fine grained 30cm is not a graded top. The lower contact is sharp and at 35 degrees to the core axis. The matrix contains very minor disseminated chalcopyrite. 232.10 PETROLOGICAL SAMPLE 9/; strongly altered polymict felsic lava breccia dominated by dacitic lava fragments. 232.20 PETROLOGICAL SAMPLE 10/; strongly altered polymict felsic lava breccia as for 9/.	S00816	229.00	230.00	1.00	490	63	110
			S00817	230.00	231.00	1.00	51	94	180
			S00818	231.00	232.00	1.00	135	1000	1100
			S00819	232.00	233.00	1.00	115	1350	1350
			S00820	233.00	234.00	1.00	85	315	800
233.40	236.10	PSAMMITE / CHLORITE SILICA PYRITE ALTERATION Fine grained grey green sediment, chloritic altered with sericitized feldspar and pale beige green siliceous clasts from 235.40 to 236.10. From 233.40 to 234.60 the rock contains medium grained chlorite altered phenocrysts being more fine grained from 234.60 to 235.40. The rock contains approximately 1% pyrite throughout and minor fine grained clots of the red mineral. The lower contact is sharp and at 50 degrees to the core axis. The rock appears to be a mixed package of sediments, probably reworked tuffs.	S00821	234.00	235.00	1.00	16	165	245
			S00822	235.00	236.00	1.00	74	125	455
			S00823	236.00	237.00	1.00	69	315	565
236.10	239.45	INTERMEDIATE LAVA / VOLCANICLASTIC POLYMICT LAVA BRECCIA, INTERMEDIATE. Coarsely clastic rock consisting of brecciated fragments of pale pinky orange to pale grey siliceous fragments with very ghosted possible phenocrysts. Most clasts have very diffuse edges and the rock is only apparently a lava breccia due to the occasional distinct clasts otherwise it would be mottled silica and chlorite alteration. The rock contains 1% pyrite throughout. The lower contact is sharp and at 40 degrees to the core axis.	S00824	237.00	238.00	1.00	34	265	405
			S00825	238.00	239.00	1.00	47	265	485
			S00826	239.00	240.00	1.00	155	200	240

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)
239.45	241.10	VOLCANICLASTIC / CHLORITE SILICA PYRITE ALTERATION ALTERED FELSIC VOLCANICLASTIC. Silica chlorite altered, somewhat mottled rock with medium grained patches of chlorite in a siliceous matrix. The rock contains 0.5% disseminated pyrite and contains medium grained sericitized feldspars, not porphyritic. The lower contact is gradational with the underlying rocks more sericite altered.	S00827 S00828	240.00 241.00	241.00 242.00	1.00 1.00	85 130	120 1950	120 99
241.10	246.90	PSAMMITE / SILICA SERICITE PYRITE ALTERATION / CHLORITE SILICA PYRITE ALTERATION Variably altered sediments. 241.10 241.60 Pale pink rock with medium grained feldspars sericitized with 1% pyrite in clots. From 241.55 to 241.60 the rock contains 4% galena and 2% of fine grained pyrite in more strongly sericite altered rock. 241.60 241.80 Milky white carbonate vein. 241.80 243.50 Pale grey green moderately schistose rock with 1% pyrite in concordant veins at 70 degrees to the core axis, minor galena associated with carbonate at 243.10. The rock contains medium grained ghosted fragments. The lower contact is sharp. 243.50 243.55 Cross-cutting carbonate vein as for 241.60 to 241.80. 243.55 244.40 Pinky orange medium grained feldspar and quartz clastic volcaniclastic with 1% pyrite throughout. 244.40 246.90 Pale grey green, moderately schistose at 70 degrees to the core axis, rock as for 241.80 to 243.50 with 2% pyrite in concordant veins and pods. Rock has a gradational lower contact. The rock contains minor galena associated with carbonate below 246.00. The lower contact is sharp but the underlying rock is essentially the same as this though more sulphidic.	S00829 S00830 S00831 S00832 S00833	242.00 243.00 244.00 245.00 246.00	243.00 244.00 245.00 246.00 246.90	1.00 1.00 1.00 1.00 .90	58 49 46 105 190	130 1850 505 705 570	160 150 150 580 975
246.90	249.05	SHEAR ZONE / SILICA SERICITE PYRITE ALTERATION Strongly sulphidic rock with 5% to 10% pyrite in concordant bands at 70 degrees to the core axis and disseminated throughout with some associated fine grained sphalerite and minor galena. The rock is sericite and moderately chlorite altered throughout with associated carbonate alteration with some bands of fine grained pyrite. The rock appears to contain porphyritic volcanic fragments with chloritic phenocrysts. The lower contact is gradational with the underlying rocks less sulphidic. 248.60 PETROLOGICAL SAMPLE 7P/; strongly schistose, sericite-pyrite-carbonate altered, tourmalinised volcanic sandstone? with 7% to 10% pyrite, 0.5% to 1% sphalerite, trace to 0.25% tourmaline and trace galena, chalcopyrite and rutile.	S00834 S00835 S00836	246.90 248.00 249.00	248.00 249.00 250.00	1.10 1.00 1.00	8 52 55	51 400 1100	135 1150 1600
249.05	251.80	VOLCANICLASTIC / CHLORITE SILICA PYRITE ALTERATION							

From (m)	To (m)	Description	Sample No.	From (m)	To (m)	Width (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)
		ALTERED FELSIC VOLCANICLASTIC.	S00837	250.00	251.00	1.00	4	63	90
		Grey green chlorite and sericite altered rock. Somewhat mottled, the rock contains medium grained quartz clasts and possibly feldspar clasts with 1% disseminated pyrite. The rock is moderately schistose at 50 degrees to the core axis.	S00838	251.00	251.80	.80	10	42	105
251.80	253.20	INTERMEDIATE LAVA / SILICA SERICITE PYRITE ALTERATION							
		This rock was originally logged as a sediment / felsic volcaniclastic, however the petrology indicates that it is an altered intermediate lava / intrusive. Pale green, sericite, weakly chlorite altered rock, possibly moderately chlorite altered diffusely, with fine grained quartz and feldspars and medium grained foliated chloritic clasts ? at 60 degrees to the core axis. The rock contains 1% pyrite disseminated throughout and becomes more strongly sericite altered and schistose downhole.	S00839	251.80	253.20	1.40	61	220	225
		251.90 PETROLOGICAL SAMPLE 13/; strongly altered holocrystalline andesitic to basaltic intrusive.							
253.20	255.00	SHEAR ZONE							
		MAJOR SHEAR ZONE.	S00840	253.20	255.00	1.80	8	11	36
		Very strongly schistose and strongly sericite altered rock, schistose at 45 degrees to the core axis with some quartz carbonate veining. The rock appears to have been a quartz feldspar volcaniclastic.							
255.00	263.10	VOLCANICLASTIC / SILICA SERICITE ALTERATION							
		ALTERED FELSIC VOLCANICLASTIC.	S00841	255.00	256.00	1.00	7	14	41
		Strongly sericite altered volcaniclastic unit rich in medium grained quartz with possible lithics, feldspar and sericitic fiamme? volcaniclastic. The schistosity is at 50 degrees to the core axis. Some sericite patches have quartz, most do not. The rock contains negligible sulphides. From 261.20 to 261.40 the rock contains a cross-cutting quartz carbonate vein. Below 261.00 the rock contains interbedded sediments with medium grained foliated sericitized feldspars. Below 262.10 the rock contains interbedded siltstones with a gross fining up in this unit downhole.	S00842	256.00	257.00	1.00	4	6	13
			S00843	257.00	258.00	1.00	<4	9	11
			S00844	258.00	259.00	1.00	<4	<5	13
			S00845	259.00	260.00	1.00	5	<5	15
			S00846	260.00	261.00	1.00	<4	<5	11
			S00847	261.00	262.00	1.00	7	<5	42
			S00848	262.00	263.00	1.00	<4	<5	19
			S00849	263.00	264.00	1.00	9	11	19
		256.95 PETROLOGICAL SAMPLE 14/; weak to moderately altered quartz phyric crystal vitric tuff.							
263.10	267.20	PELITE							
		Interbedded pale grey and dark grey siltstones, weakly sericitized in patches. Bedding is at 60 to 70 degrees to the core axis and is deformed with imbrication of dark grey and pale grey rock. The rock contains very occasional disseminated pyrite in cubic clots and contains concordant carbonate veining throughout.	S00850	264.00	265.00	1.00	29	36	26
			S00851	265.00	266.00	1.00	10	29	19
			S00852	266.00	267.20	1.20	<4	<5	17
		265.95 PETROLOGICAL SAMPLE 11/; altered felsic crystal vitric tuff or ash rich volcaniclastic fine sandstone to siltstone.							
		267.20 E.O.H.							