

## Lithologic Log

Date: MAY 6/91 Logged By: D. TENNEY

Code	From		To		Recov.			No.			Unit		Description
	10	14	16	20	22	24	26	28	30	34	35		
		100		1126							1814	TRICONES - OVERBURDEN NO RECOVERY	
		1126		1172							1410	L (72)* GRADE W PALE GREEN FOLIATED CALCAREOUS MUSCOVITE CHLORITE PHYLLITE BROKEN WITH MINOR FAULT GOUGE - MINOR LIMONITIC STAINING.	
		1172		1435							1410	L GRADE W AS ABOVE - TRACES LIMONITE TO 22.6 m GOOD CORING WITH MODERATE JOINTING AND FEW BROKEN PATCHES. - STRONGLY FOLIATED. (62°, 63°, 65°, 67°, 63°, 52°, 59°, 62°, 56°, 54°, 51°, 56°, 63°, 58°, 56°) MINOR GOUGE	
		1435		1437							1712	FAULT GRADE W PALE GREEN FAULT GOUGE UPPER CONTACT CR°	
		1437		1676							1410	L GRADE W AS 17.2-43.5 MOSTLY GOOD CORING JOINTING STRONG IN FEW PLACES MINOR BROKEN CORE (MOSTLY ROCKS) - FOLIATION STRONG (51°, 56°, 55°, 68°, 60°, 68°, 72°, 64°, 61°, 70°, 60°, 60°, 65°, 52°) VERY CALCAREOUS ESPECIALLY ON JOINTS. - SMALL (1-2cm) SECTIONS FAULT GOUGE MAINLY    S2 FOLIATION.	
		1676		1689							1210	g GRADE W GREY TO DARK GREY AND BLACK FOLIATED (56°) NON-CALCAREOUS MUSCOVITE QUARTZ CHLORITE PHYLLITE WITH MINOR CARBONACEOUS MATERIAL - S2 SURFACES GREY TO BLACK (NOT VERY SOOTY)	

Code	From	To	Recov.	No.	Unit	Description
	10 14 16	20 22 24 26 28	30 34 35			
	618.9	710.3			712 (20g)	FAULT GRADE W AS ABOVE - BROKEN CORE WITH FAULT GOUGE IN PLACES 69.5 GOUGE CONTACT AT 38°
	70.3	715.3			210 g	GRADE W AS 67.6-68.9 - FAIR TO GOOD CORING WITH PATCHES STRONG JOINTING - FOLIATED (71°, 64°, 65°, 63°) - MORE CARBONACEOUS TOWARDS END
	715.3	717.6			712 (20g)	FAULT GRADE W AS ABOVE WITH GREY FAULT GOUGE (30%) AND BROKEN CORE
	717.6	719.6			210 g → 30	GRADE W AS 70.3-75.3 - SLIGHTLY MORE CARBONACEOUS 3% DISSEMINATED PYRITE - FAIR/GOOD CORING WITH MODERATE JOINTING. FOLIATION 37°, 39° - SMEAR FROM 12 SURFACES GREYISH BLACK.
	719.6	810.5			714 (20g)	FAULT GRADE W DARK GREY/BLACK FAULT BRECCIA + GOUGE WITH FRAGMENTS AND SECTIONS WEAKLY CARBONACEOUS NON CALCAREOUS MUSCOVITE QUARTZ CHLORITE PHYLLITE
	810.5	810.7			210 g 26	GRADE M GREY/BLACK SILICIFIED NON CALCAREOUS WEAKLY CARBONACEOUS MUSCOVITE CHLORITE QUARTZ PHYLLITE WITH DISSEMINATED PYRITE (10%) SPHALERITE (3%) GALENA (1%) MAINLY IN SILICEOUS BANDS.

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	10	14	16	20	22	24	26	28	30	34	35					
																TEXTURE APPEARS COARSELY FRAGMENTAL.
	1810	7		1811	5							1414				GRADE W
																BRIGHT PALE GREEN / CREAM METABASITE - FRAGILE BUT MAINLY GOOD CORING. - CORE ROTTED.
	1811	5		1812	5							1210	99P-30			GRADE W
																SIMILAR TO 77.6-77.6 - BUT WITH FEW SILICIFIED SECTIONS CONTAINING DISSEMINATED PYRITE - SLUDGE FROM SZ SURFACES IS DARK GREY. - TEXTURED PARTLY FRAGMENTAL
	1812	5		1813	7							1512	9P(44)			GRADE W
																BUFF BROWN ALTERED PHYLLITE (SILICIFIED + SERICITIZED + FOLIATION - FOLD AXIS) WITH HEAVY PATCHES MASSIVE PYRITE (5%) AT START - METABASITE (15%) WITH GREEN FUCHSITE. FAIR TO GOOD CORING. - METABASITE SECTIONS ROTTED.
	1813	7		1814	9							12	9ZGP			GRADE #1M
																GREY/BLACK SILICIFIED RIBBON BANDED WEAKLY CARBONATE QUARTZITE. DISSEMINATED SIDERITE (8%) PYRITE (5%) GALENA (3%) CONCENTRATED IN MORE SILICIOUS BANDS - GOOD CORING.
	1814	9		1815	3							15	ZG			GRADE H
																MASSIVE DULL BRONZE BROWN / RED PYRITIC SULPHIDES WITH HEAVY SIDERITE AND GALENA - FAIR CORING BUT JOINTED

Code	From		To		Recov.		No.		Unit	Description	
	10	14	16	20	22	24	26	28			30
	185	3	186	1					12	gP	GRADE L
											GREY AND BLACK RIBBON BANDED QUARTZITE + DISSEMINATED PYRITE (10%) SPHALERITE (5%) GALENA (2%) CONCENTRATED IN SILICEOUS BANDS - FAIR CORING - MINOR GOUGE + FAULT BRECCIA AT 85.6m - FOLIATION 70°
	186	1	186	7					12	#gs	GRADE W
											RUFF BROWN FOLIATED (63°) AND VERY ALTERED QUARTZITE ADJACENT TO METABASITE INTRUSIVE.
	186	7	188	7					14	4	GRADE L
											METABASITE - WHITE/PALE GREY/GREEN - GREEN FULMITE THROUGHOUT WITH SILICIFIED SECTIONS WITH DISSEMINATED SPHALERITE + GALENA (TRACKS) TEXTURE FRAGMENTAL IN PLACES. FAIR CORING - MODERATE JOINTING
	188	7	189	2					12	gZG	GRADE M
											DARK GREY SILICIFIED RIBBON BANDED WEAKLY CARBONACEOUS QUARTZITE TINGED RED WITH DISSEMINATED SPHALERITE (8%) + GALENA (3%) + PYRITE (4%) CHALCOPIRITE (TRACE). FAIR CORING - LEACHED AT START AND END.
	189	2	190	5					15	ZG	GRADE M/L
											MAINLY BARREN MASSIVE PYRITE - SUGARY AND POROUS - BANDED WITH SPHALERITE AT 89.9 - FRAGMENTAL TEXTURE IN PLACES CLASTS ARE MASSIVE PYRITE SOME WITH HIGH GRADE ZINC.

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	10	14	16	20	22	24	26	28	30	34	35			
														FAIR CORING BUT JOINTED AND SLIGHTLY ULLGGY.
														UPPER CONTACT AT 49°
	1910	5		1913	1							152	ZZ Q	GRADE H/V.
														DARK GREY RIBBON BANDED WEAKLY CARBONACEOUS QUARTZITE
														SPHALERITE / GALENA (15%) DISSEMINATED DEEN CONCENTRATED
														ALONG (S2) FRACTURES AND IN HEAVY PATCHES - MINOR WHITE
														QUARTZ VEINING (4%) AT END - FOLIATION 69° FAIR CORING
														MODERATE JOINTING.
	1913	1		1915	3							152	→ 44 (72)	GRADE W
														PALE GREEN / LIGHT BROWN ALTERED PHYLLITE - PALE GREEN
														FELDSPATE IN MINOR AMOUNTS THROUGHOUT FAIR CORING BUT
														JOINTED MINOR FAULT GOUGE AND FAULT BRECCIA.
	1915	3		1101	9							152	ZGPX	GRADE M
														SIMILAR TO 90.5-93.1 BUT WITH LESS MINERALIZATION
														SPHALERITE (5%) PYRITE (4%) GALENA (2%) CORE WELL JOINTED
														AND BROKEN IN PATCHES WITH MINOR FAULT GOUGE - FRAGMENTAL
														TEXTURE IN PLACES - FOLIATED (53°, 53°, 48°) - GRADE LOWER
														TOWARDS END
	1101	9		1104	9							152	PZG	GRADE L
														PALE GREY GREEN ALTERED PHYLLITE SILICIFIED WITH STREAKS
														AND BANDS DISSEMINATED PYRITE (4%) SPHALERITE (3%)
														GALENA (1%) FAIR / GOOD CORING. - SOFT CORE NEARER END
														MINOR GOUGE - FOLIATED

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Code	From		To		Recov.		No.		Unit	Description	
	10	14	16	20	22	24	26	28			30
	11014	9	11017	0					512		GRADE W
											PALE BROWN/GREEN BECOMING PALE GREY ALTERED MUSCOVITE SERICITE CHLORITE PHYLLITE FOLIATED (84°) - FAIR/GOOD CORING - UNMINERALIZED
	11017	0	11210	4					210		(C)
											MEDIUM TO DARK GREY GREEN MUSCOVITE CHLORITE QUARTZ PHYLLITE WITH PATCHES AND PODS WHITE VEN QUARTZ (10%) WITH MINOR PALE BROWN ANKERITE. FAIR TO GOOD CORING (CLEAN) WEAK TO MODERATE CORING. - FOLIATION (61°, 81°, 80°, 68°, 72°, 88°, 68°) TRACES GRADE.
											120.4m E.O.H.











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## GEOTECHNICAL LOG

DDH# 91- G44

Units: Feet / Metres      Date:  

Logged By:  

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Run (Length)	TCR (Length)	ROD (Length)	Strength  LOST	Degree Breakage	Weathering Alteration	FRACTURES												CORE SIZE	COMMENTS
						0-30				30-65				65-90					
						No	Rough	Alt	Type	No	Rough	Alt	Type	No	Rough	Alt	Type		
46.0	1.5	0.4	0.2																
47.4	1.4	0.8	0																
47.4	1.8	0.9	0.2																
50.9	1.5	0.1	0																
52.4	1.5	1.0	0																
53.9	1.5	0.8	0																
55.2	1.0	0.3	0.3																
56.7	1.5	0.3	0																
57.9	1.2	0.5	0																
59.4	1.5	0.6	0																
60.9	1.5	0.8	0																
62.4	1.5	0.8	0																
63.9	1.3	0.3	0.2																
65.1	1.2	0.2	0																
66.3	1.2	0.6	0																
67.7	1.4	0.6	0																
69.2	1.4	0	0.1																
70.3	0.6	0	0.3																
71.6	1.3	0.5	0																
72.5	0.9	0	0																
73.6	1.1	0	0																
75.1	1.5	0.3	0																
75.6	0.5	0	0																
76.6	0.5	0	0.5																
77.6	0.6	0	0.4																
78.6	1.0	0.4	0																
79.6	0.8	0.1	0.2																
80.5	0.9	0	0														SOFT CORE		
81.1	0.6	0.3	0																
82.4	1.3	0.6	0														PARTLY SOFT CORE		

