

McARTHUR RIVER RESOURCE DRILLING, 2008													GEOLOGICAL LOG SHEET							GEO		Karissa Grenfell			HOLE		H15/15		Start Date:																										
Collar Northing			1500			Easting			7214.7			RL 10029.5			Azimuth(G)			270			Dip			-72			Total Depth			159m			Number of pages			Finish Date:																			
FROM			TO			INTERVAL			COL			WTH			CODE			G			LITHOLOGY						ALTERATION									SULPHIDES			FAULTING						GEOTECHNICAL						STRUCTURE			COMMENTS	
7																																																							
0.00			21.00			21.00																																							No core										
21.00			24.70			3.70			GY			FR			LpH						H			L																					strongly weathered zones @ 21.28m and 22.04m, minor fault @ 23.13m pe										
24.70			24.80			0.10			BR			HW			LpH						SL			B																		broken core, graded bed?													
24.80			28.16			3.36			GY			FR			LpH						H			L																		strongly weathered zones @ 27.03m, 27.21m, 27.73m all zones core is bro													
28.16			28.67			0.51			BR			HW			LpH						H			B																		fault zone, 30mm puggy interval at top of split													
28.67			29.08			0.41			GY			FR			LpH						H			L																															
29.08			29.62			0.54			BR			HW			LpH						H			FA																		core broken, puggy material at top of split													
29.62			31.19			1.57			GY			FR			LpH						H			L																		fractures @ 30.75m and 30.88m strongly weathered													
31.19			31.25			0.06			GY			FR			LpH						SA			B																		weathered fracture through graded bed													
31.25			32.03			0.78			GY			FR			LpH						H			L																		Minor graded bed @ 31.42m, weathered fault surface starting at 31.76m													
32.03			32.41			0.38			GY			FR			LpH						SA			B																		Double graded bed separated by shale and puggy tuff? Interval 30mm wide													
32.41			34.71			2.30			GY			FR			LpH						H			L			DO			<1%												Minor graded bed @ 34.07m, concretion @ 34.27m													
34.71			34.74			0.03			GY			FR			LpH						SA			B																															
34.74			34.91			0.17			GY			FR			LpH						H			L																															
34.91			34.97			0.06			GY			FR			LpH						TP			B																															
34.97			36.85			1.88			GY			FR			LpH						H			L																															
36.85			37.12			0.27			GY			FR			LpH						SL			B			DO			1-5%												Concretion @ 35.11m, minor graded bed @ 35.91m													
37.12			37.15			0.03			CR			FR			LpH						TP			B																															
37.15			37.25			0.10			GY			FR			LpH						SL			L																															
37.25			37.34			0.09			CR			FR			LpH						TP			B																															
37.34			37.84			0.50			GY			FR			LpH						SL			L																		Fault at start of split with minor pyrite and dol crust, minor tuff @ 37.8m													
37.84			37.89			0.05			CR			FR			LpH						TP			B																															
37.89			38.53			0.64			GY			FR			LpH						SL			L																															
38.53			38.90			0.37			GY			FR			LpH						SL			FA																		Broken core													
38.90			39.29			0.39			GY			FR			LpH						H			L			DO			<1%			W																						
39.29			40.76			1.47			GY			FR			USM						SL			B			DO			<1%												Soft tuffs @ 39.92m and 39.98m													
40.76			42.92			2.16			GY			FR			LpH						H			L																		Silty intervals, concretions @ 42.23m, fault @ 42.74m													
42.92			43.00			0.08			GY			FR			LpH						SA			B			DO			<1%																									
43.00			45.36			2.36			GY			FR			LpH						H			L			DO			<1%												Silty intervals, fault @ 44.24m, minor graded bed @ 44.87m													
45.36			45.72			0.36			GY			FR			LpH						SX			XT																															
45.72			46.19			0.47			GY			FR			LpH						H			L																															
46.19			48.01			1.82			GY			FR			LpH						H			L																		Minor graded beds @ 46.19m and 46.3m													
48.01			48.05			0.04			GY			FR			LpH						SA			B			DO			<1%																									
48.05			50.67			2.62			GY			FR			LpH						H			L			DO			<1%												Silty intervals, faulted @ 49.46m broken core, minor tuff @ 50.34m with fau													
50.67			50.74			0.07			GY			FR			LpH						SA			B																		3 x repeated graded bed with minor tuff at base of split													
50.74			51.27			0.53			GY			FR			LpH						H			FA																		Broken core throughout													
51.27			51.31			0.04			GR			FR			LpH						TP			B																															
51.31			51.47			0.16			GY			FR			LSM						SL			B			DO			<1%																									
51.47			51.54			0.07			GY			FR			LSM						TP			B																															
51.54			52.23			0.69			GY			FR			LSM						H			B			DO			<1%																									
52.23			52.27			0.04			GY			FR			LSM						SA			B																															
52.27			54.48			2.21			PaGY			FR			LSM						SL			B																		Fault zone from 53.59 to 53.82m, stylolites													
54.48			54.56			0.08			CR			FR			LSM						TP			B																															
54.56			55.31			0.75			GY			FR			LSM						H			L																		Minor silt intervals, graded beds at 53.72m and 53.82m													
55.31			55.46			0.15			GY			FR			LSM						SX			XT																		Clasts up to 5mm													
55.46			55.49			0.03			GY			FR			LSM						TP			B																		Lower contact LSM													
55.49			56.56			1.07			BL			FR			LpH						HB			L																		Minor graded beds @ 55.92m and 56.5m, concretions throughout													
56.56			56.73			0.17			GY			FR			LpH						SA			B																		Repeated graded beds separated by strongly pyritic shale													
56.73			57.16			0.43			GY			FR			LpH						H			L																															
57.16			59.04			1.88			GY			FR			LpH						SX			XT																															
59.04			59.51			0.47			BL			FR			LpH						HB			L																		Large clasts up to 5cm													
59.51			59.91			0.40			GY			FR			LpH						H			L																		Minor fault at end of split													
59.91			60.71			0.80			GY			FR			LpH						SX			XT																															
60.71			62.22			1.51			GY			FR			LpH						H			L			DO			1-5%												Fault @ 61.16m with dol and pyrite fill, graded bed @ 61.17m offset by 30m													
62.22			62.28			0.06			GY			FR			LpH						SA			B																															
62.28			62.70			0.42			GY			FR			LpH						H			FA			DO			1-5%												Fault zone, core broken													
62.70			64.42			1.72			BL			FR			LpH						HB			L			DO			<1%												Silty intervals, minor graded beds @ 63.32m, 63.54m, fault at end of split w													
64.42			64.56			0.14			GR			FR			LpH						TP			L																															
64.56			64.62			0.06			GY			FR			LpH						SL			B																															
64.62			64.68			0.06			GY			FR			LpH						TP			B																															
64.68			65.00			0.32			GY			FR			LpH						SL			B																															
65.00			66.43			1.43			BL			FR			LpH						HB			L			DO			<1%												Concretions throughout, minor silty intervals													
66.43			66.51			0.08			GY			FR			LpH						TP			L																															
66.51			67.26			0.75			GY			FR			LpH						H			B			DO			<1%																									
67.26			67.85			0.59			GY			FR			LpH						SX			XT																															
67.85			68.27			0.42			GY			FR			LpH						H			L																															
68.27			68.41			0.14			GY			FR			LpH						SX			XT																		6cm black mud at bottom of split													
68.41			68.78			0.37			BL			FR			LpH						HB			L																															
68.78			70.04			1.26			GY			FR			LpH						H			L																		2cm soft tuff @ 69.87m													
70.04			70.09			0.05			BL			FR			LpH						TP			B																															
70.09			71.32			1.23			BU			FR			LpH						H			L																															
71.32			72.53			1.21			GY			FR			LpH						SX			XT																		Clasts up to 35mm wide													