McARTHUR RIVER RESOURCE DRILLING, 2008										GEOLOGICAL LOG SHEET										GEO	Karissa Grenfell			HOLE		H14/00		Start Date:	
Collar Northing		1393		Easting		7194.5		RL	10031.9	Azimuth(G)	270		Dip	-71						Total Depth	147m			Number of pages				Finish Date:	
						LITHOLOGY			ALTERATION				SULPHIDES		FAULTING					GEOTECHNICAL			STRUCTURE					COMMENTS
FROM	TO	INTERVAL	COL	WTH	CODE	G	LITH	TEX	DOL	VEIN	NO	CR	CO	PY	MIN	TYPE	NAME	Q	OXJ	REC%	CORE	CUT	DEPTH	BCA	A1	OTH	D	A2	
0.00	24.00	24.00			Qa															0	NQ								
24.00	27.44	3.44	GY	MW	LpH		H	L						M						100	NQ			9					Minor tuff @ 24.7m, strongly weathered zone @ 26.07m
27.44	28.40	0.96	BR	SW	LpH		H	B												100	NQ								Strongly weathered zone, tuff @ 27.88m, broken core at end of split, faulting
28.40	29.16	0.76	GY	MW	LpH		H	L						M						100	NQ								
29.16	29.66	0.50	BR	SW	LpH		H	B												100	NQ								
29.66	33.94	4.28	GY	MW	LpH		H	L						M						100	NQ								Minor zones of broken strongly weathered core, minor graded bed @ 33.22
33.94	34.74	0.80	GY	FR	LpH		SL	B												100	NQ			10					
34.74	34.80	0.06	GY	FR	LpH		SA	B												100	NQ								
34.80	37.95	3.15	GY	FR	LpH		H	L		<1%				M						100	NQ								
37.95	38.70	0.75	GY	FR	LpH		H	FA												100	NQ								puggy fill on fault plane, core very broken, minor strong weathering
38.70	41.00	2.30	GY	MW	LpH		H	B		<1%										100	NQ								Broken core, strongly weathered zones, silty intervals
41.00	43.32	2.32	GY	FR	LpH		H	L		<1%				T						100	NQ								Graded beds @ 41.51m, 42.14m with repeats and 42.71m repeated with do
43.32	47.62	4.30	GY	FR	LpH		H	L		<1%				M						100	NQ			7					Minor oncretions, zones of broken core from 43.0m to 44.54m
47.62	48.60	0.98	GY	FR	LpH		SL	B												100	NQ								Tuff @ 48.08m
48.60	48.74	0.14	CR	FR	LpH		TP	B												100	NQ								2 x tuff separated by 50mm silt
48.74	50.05	1.31	GY	FR	LpH		SL	B												100	NQ								Broken core possible faulting
50.05	51.97	1.92	GY	FR	LSM		SL	B												100	NQ								Soft tuff @ 51.0m, graded bed @ 51.63m, styolites throughout, USM?
51.97	55.59	3.62	GY	FR	LpH		H	L		<1%				T						100	NQ								Silt intervals, localised faulting with dol veins and coarse pyrite, Flt dip 75de
55.59	56.12	0.53	GY	FR	LpH		SX	XT		1-5%				W						100	NQ								
56.12	58.65	2.53	BL	FR	LpH		HB	L						M						100	NQ								Minor silty intervals
58.65	58.81	0.16	GY	FR	LpH		SA	B												100	NQ								
58.81	61.43	2.62	GY	FR	LpH		H	L		<1%				W						100	NQ			11					Silt intervals
61.43	61.57	0.14	GY	FR	LpH		SA	B												100	NQ								Repeated graded bed with minor tuffs on contacts
61.57	62.59	1.02	GY	FR	LpH		SL	B												100	NQ								
62.59	63.24	0.65	GY	FR	LpH		H	L						T						100	NQ								Pyrite on fractures
63.24	65.68	2.44	GY	FR	LpH		SL	L												100	NQ								
65.68	66.49	0.81	GY	FR	LpH		H	L		<1%										100	NQ								Tuff @ 65.54m, 2 x repeated graded bed @ 65.94m
66.49	66.62	0.13	GY	FR	LpH		SX	XT												100	NQ								
66.62	68.33	1.71	GY	FR	LpH		H	L						W						100	NQ		66.7	13/090					Minor concretions throughout
68.33	70.02	1.69	BL	FR	LpH		SX	XT												100	NQ								
70.02	70.81	0.79	GY	FR	LpH		H	L												100	NQ								
70.81	71.40	0.59	GY	FR	LpH		SX	B												100	NQ								
71.40	71.80	0.40	GY	FR	LpH		SA	B												100	NQ								Graded bed with minor repeat at top of split
71.80	72.31	0.51	GY	FR	LpH		H	L						T						100	NQ								
72.31	72.39	0.08	GY	FR	LpH		SX	XT						W						100	NQ								
72.39	72.83	0.44	GY	FR	LpH		H	L						W						100	NQ								
72.83	72.91	0.08	GY	FR	LpH		SA	B												100	NQ								
72.91	75.80	2.89	GY	FR	LpH		H	L						W						100	NQ			20/071					
75.80	76.13	0.33	GR	FR	LpH		TP	B												100	NQ								4 x puggy tuffs separated by silt intervals
76.13	76.61	0.48	GY	FR	LpH		SL	L												100	NQ								
76.61	76.63	0.02	GR	FR	LpH		TP	L												100	NQ								
76.63	77.93	1.30	BL	FR	LpH		H	L						W						100	NQ								Concretions
77.93	77.97	0.04	GY	FR	LpH		TP	B												100	NQ								
77.97	78.93	0.96	GY	FR	LpH		SL	B		<1%										100	NQ								Minor repeated graded beds from 78.0 to 78.36m
78.93	81.41	2.48	BL	FR	LpH		HB	L						M						100	NQ								Graded bed at base of split
81.41	81.46	0.05	GY	FR	LpH		TP	B												100	NQ								
81.46	81.91	0.45	BL	FR	LpH		HB	L						M						100	NQ								
81.91	83.58	1.67	GY	FR	LpH		SL	B												100	NQ								
83.58	84.20	0.62	GY	FR	LpH		SX	XT						T						100	NQ								
84.20	86.74	2.54	BL	FR	LpH		HB	L						M						100	NQ								Minor graded bed @ 84.82m, concretion @ 85.77m
86.74	86.93	0.19	GR	FR	LpH		TP	L												100	NQ								3 x green puggy tuff with silt intervals
86.93	90.72	3.79	GY	FR	LpH		H	L						M						100	NQ		87.4	24/053					Graded beds @ 87.32m and 90.67m, concretions
90.72	91.40	0.68	GY	FR	LpH		SL	B												100	NQ								
91.40	91.62	0.22	GY	FR	LpH		SA	B												100	NQ								
91.62	92.36	0.74	GY	FR	LpH		H	L												100	NQ								
92.36	95.39	3.03	GY	FR	LpH		SX	XT												100	NQ								
95.39	95.69	0.30	BL	FR	LpH		HB	L						M						100	NQ								
95.69	96.73	1.04	BL	FR	LpH		HB	L												100	NQ								Graded beds @ 95.88m and 96.09m
96.73	97.73	1.00	BL	FR	LpH		HB	L						M						100	NQ								Minor silt intervals
97.73	97.85	0.12	GY	FR	LpH		TP	B												100	NQ								2 x soft tuffs with shale interval
97.85	103.48	5.63	BL	FR	LpH		HB	L						M						100	NQ		100	16/086					Silt intervals, graded beds @ 101.14m, 101.53m, 101.65m
103.48	106.09	2.61	BL	FR	LpH		HB	L				W		W						100	NQ								
106.09	110.00	3.91	GY	FR	LpH		SX	XT												100	NQ								Clasts up to 50mm
110.00	113.44	3.44	BL	FR	LpH		HB	L						M						100	NQ		110.8	28/086					Concretions, minor graded bed @ 111.93m, 112.62m
113.44	114.07	0.63	GY	FR	LpH		SL	B												100	NQ								Minor graded band @ 113.51m
114.07	114.31	0.24	GY	FR	LpH		SX	XT						T						100	NQ								
114.31	114.73	0.42	GY	FR	LpH		SL	B												100	NQ								
114.73	114.84	0.11	GY	FR	LpH		SA	B												100	NQ								
114.84	115.97	1.13	BL	FR	LpH		HB	L						W						100	NQ			9					
115.97	118.00	2.03	BL	FR	8UA		HB	L						M						100	NQ								Fault @ 116.06m with pug fill, poss. Fault @ 116.13m broken core,
118.00	118.71	0.71	BL	FR	8UA		HB	FA												100	NQ								Core broken with solid intervals, start of Whelans Fault
118.71	119.00	0.29	GY	FR	8UA		SA	B												100	NQ								Graded bed core intact, 8UA?