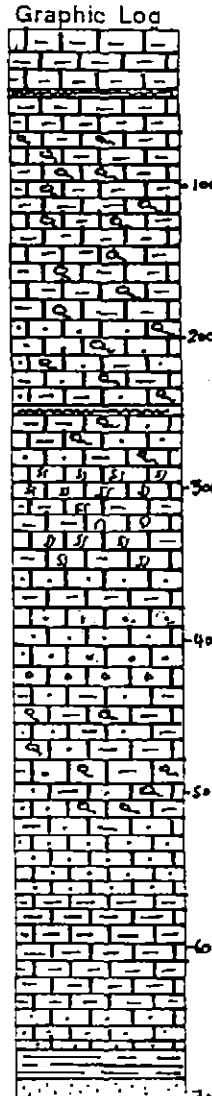


DRILL-HOLE SUMMARY LOG

HOLE NAME: DD95ZM189 AMG EAST 364288 NORTH 5350999
 PROSPECT: MYRTLE GRID EAST 60356 NORTH 49200
 EL: ZEEHAN 1 EL 28/88 RL _____ DEPTH 702.4m

DATE DRILLED: 5/6/95
 LOGGED BY: S. MENPES; S. S. TEAR
 DRILLING CO.: ALMAC
 DRILL TYPE: DIAMOND
 DRILL RIG: LY44
 LOC DRILL CORE: ZEEHAN

SURVEYS:					
DEPTH	AZIM (AMG)	DIP	DEPTH	AZIM (AMG)	DIP
0	-	90°	350	018°	81°
50	304°	98°	400	021°	80°
100	293°	89°	450	020°	79.5°
150	300°	89°	500	017°	80°
200	342°	86.5°	550	014°	80.5°
250	282°	85°	600	012°	81°
300	015°	81.5°			



OBJECTIVES OF HOLE:
 DIAMOND DRILL TEST THE SOUTHERN (SHALLOWER) END OF THE MYRTLE GRAVITY ANOMALY - TESTING THE LOWER SANDSTONE/LIMESTONE CONTACT. ALSO A STRATIGRAPHIC HOLE

LITHOLOGICAL SUMMARY:

FROM	TO	FORM CODE	COMMENTS
0	3.8	Qha	Overburden: no recovery
3.8	38.4	Ogul.	Massive argillaceous fine grained calcarenites
38.4	42.6	Oqmu	Laminated micrite unit
42.6	201.1	Ogul	Massive argillaceous fine grained calcarenites
201.1	247.0	Ogul	Bedded variably argillaceous fine grained calcarenites
247.0	252.9	Oqmu	Laminated micrite unit.
252.9	288.3	Ogul.	Mixed limestone sequence including ?cherty zones.
288.3	345.6	Ogul	Burrowed argillaceous calcarenites with fine calcarenites
345.6	376.1	Ogul.	Mixed clean calcarenites, micrites with occ argillaceous calcillites
376.1	410.0	Ogul.	Equigranular calcarenites
410.0	532.1	Ogul	Intermixed fine calcarenites, micrites and argillaceous calcillites occ clean equigranular calcarenite. Repeated cycles
532.1	570.1	Ogul	Equigranular calcarenite
570.1	611.7	Ogul	Argillaceous bioclastic calcarenites
611.7	664.6	Ogul	Mixed argillaceous calcarenites and micrites
664.6	670.0	Ogul	Bioclastic equigranular calcarenite
670.0	689.0	Oqst	Silty Transition Unit
689.0	702.4	Om	Maine Sandstone

MINERALISATION SUMMARY:

FROM	TO	COMMENTS
		Slight zinc elevation with 655.4 - 690m - Argillaceous calcarenites and the Silty Transition Unit

CONCLUSIONS:

Bedding @ 35m 82° to c/A @ 235m 36° to c/A @ 350m 45° to c/A @ 431m 50° to c/A
 @ 595m 60° to c/A @ 695m 45° to c/A.
 Gravity anomaly possibly due to i) thicker clean calcarenites from 376m onwards
 ii) thicker than normal limestone sequence.
 Good stratigraphic hole, virtually unfaulted.

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

TENEMENT NAME MYRTLE SHEET No. L
No. of 15
PLAN - MAP REFERENCE.....
DEPTH 702.4m HOLE No. ZC0109
CASING LEFT..... DPO No(s).....

CO-ORDINATES 364289E 5350999N AZIMUTH N/A. DRILLERS DLMAC COMMENCED 5/6/95
RL COLLAR..... INCLINATION 90° DRILL TYPE LY44 COMPLETED 2/6/95

DEPTH		Core Rec	RC DATA	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by.....)							
From (M)	To (M)										From (m)	To (m)	CU (m)	Pb (m)	Zn (m)	Ag (m)		
3.9	16.4	12.6	1-2	Ogw	<u>MASSIVE, ARGILLACEOUS, VARIABLY CARBONACEOUS MICRITIC LIMESTONE</u> Dark grey. Some indurated zones. Some zones of tubular fenestration, probably after worm burrows. Some isolated coral clasts and thin fossiliferous horizons.						HQ3	3.9	4.4	0.5	0.6	100		
													4.4	7.4	3.0	3.0	100	
													7.4	10.4	3.0	3.0	100	
													10.4	13.4	3.0	2.9	97	
							5465794	3.0	12.0	4.0			13.4	16.4	3.0	3.1	103	
													16.4	19.4	3.0	3.0	100	
16.4	20.8	4.4	1	Ogw	<u>FENESTRAL LIMESTONE</u> Clearer grey micritic limestone with common tubular fenestration after worm burrows. Large isolated coral clast of 18cm.		5465795	16.4	20.8	4.4		NO3	19.4	21.0	2.6	2.3	86	
													21.0	22.4	1.4	1.2	86	
													22.4	25.4	3.0	3.0	100	
													25.4	28.4	3.0	3.0	100	
													28.4	31.4	3.0	3.0	100	
20.8	32.4		1-2	Ogw	<u>MASSIVE, ARGILLACEOUS, VARIABLY CARBONACEOUS MICRITIC LIMESTONE</u> Dark grey. Common large, isolated corals (?clasts). Rare clearer fenestral horizons. Very organic rich horizons approaching graphite grade.								31.4	32.4	3.0	3.0	100	
													32.4	37.4	3.0	3.0	100	
													37.4	40.4	3.0	3.0	100	
													40.4	43.4	3.0	3.0	100	
													43.4	46.4	3.0	3.0	100	
													46.4	49.4	3.0	3.0	100	
													49.4	52.4	3.0	3.0	100	
													52.4	55.4	3.0	3.0	100	
													55.4	58.4	3.0	3.0	100	
32.4	42.6	4.2	1-2	Ogw	<u>MASSIVE TO ARGILL LAMINATED FENESTRAL LIMESTONE</u> Clearer grey micritic limestone. Basal 1.1m clear grey micritic limestone with tubular fenestration after worm burrows. Overlying 3.1m predominantly grey with dark grey cryptalgal laminae. Fenestral texture, probably after intense burrowing.		5465796	39.0	40.4	1.4			58.4	61.4	3.0	3.0	100	
													61.4	64.4	3.0	3.0	100	
													64.4	67.4	3.0	3.0	100	
													67.4	70.4	3.0	3.0	100	
													70.4	73.1	2.7	2.7	100	
													73.1	76.4	3.3	3.3	100	
													76.4	79.4	3.0	3.0	100	
													79.4	82.4	3.0	2.9	97	
													82.4	85.4	3.0	3.1	103	
													85.4	88.4	3.0	3.0	100	

342056

C.R.A. EXPLORATION PTY. LIMITED
DRILL CORE LOG

TENEMENT NAME MYALE SHEET No. 7
No. of 15

CO-ORDINATES 364288 E 5350999 N AZIMUTH..... DRILLERS ALMAC COMMENCED 5.6.95 PLAN - MAP REFERENCE.....
RL COLLAR..... INCLINATION..... DRILL TYPE L44 COMPLETED..... DEPTH 702.4m HOLE No. Zm189
CASING LEFT..... DPO No(s).....

DEPTH		Core Rec %	RQ DATA	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by.....)										
From (M)	To (M)																				
323.9	335.8	100	1	Ogwl	INTERMIXED FINE GRAINED CALCARENITE AND MICRITE Mixed facies unit. Locally argillaceous laminae @ 327.2-327 with bedding 55° to c/a 323.9-324.62 - Grey micrite with minor coarse dk grey calcarenite. 324.62-326.4 - Mixed micrite + argillaceous calcarenite with micrite bands. 326.4-329.5 - micrite dominant unit with argillaceous calcarenite 329.5-330.72 Heavily bioturbated micrite + dark grey calcarenite 330.72-331.96 Grey clean micrite. calcite vein @ 330.65-331.72 with reddened micrite beds veining 55° to c/a. Fabric/cleavage in micrite 37° to c/a ? Parallel to bedding 331.96-335.8 Mixed fine grained grey calcarenite/micrite and dark grey argillaceous calcarenite. abundant micro-veining (radial) cleavage 45° to c/a. Well cleaved																
335.8	345.6	100	1	Ogwl	BURNED FINE GRAINED CALCARENITE WITH MICRITES Cleavage subparallel to c/a Minor lobes of pyrite @ 341.6m associated with a large lamina	5465690	338.3	340.4													
345.6	349.4	100	1	Ogwl	FINE GRAINED CLEAN CALCARENITES AND MICRITES Localised zones of large euge micrites, minor calcite veining Also zones of argillaceous material with interstitial fill - almost penetrate.																
349.4	358.25	100	1	Ogwl	INTERMIXED UNIT OF CALCARENITES AND ARGILLACEOUS CALCILITES, CALCARENITES Argillaceous calcillite units - up to 20cm thick Interlaminated unit 353.0-355 Bedding 45° to c/a Coarse bioturbated unit 356.7-357.35	5465691	353.0	355.4													

342062

DRILL CORE LOG

364288E

CO-ORDINATES 5350999N AZIMUTH..... DRILLERS ALMAC..... COMMENCED 5.6.95..... DEPTH 702.4m..... HOLE No. ZM129

RL COLLAR..... INCLINATION..... DRILL TYPE LY44..... COMPLETED..... CASING LEFT..... DPO No(s).....

DEPTH		Core Rec %	RQ DATA	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weather, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by.....)			
From (M)	To (M)										REC (%)	REC (%)	REC (%)	REC (%)
532.1	570.1	100	1	Ogd	EQUIGRANULAR BIOCLASTIC CALCARENITE Med/coarse grained; localised calcite veins; irregular in thin planes looking calcarenite; calcite veins generally in low veins on west face. 60° to st. and 45° to d. st.	5465688	533.1	535.4			529.4	537.4	3.0	100
											532.4	535.4	3.0	100
											535.4	537.4	3.0	100
											533.4	541.4	3.0	100
											561.4	541.4	3.0	100
							89	556.4	558.4		541.4	547.4	3.0	100
											547.4	550.4	3.0	100
											530.4	533.4	3.0	100
											533.4	536.4	3.0	100
											536.4	539.4	3.0	100
											539.4	562.4	3.0	100
											562.4	565.4	3.0	100
											565.4	568.4	3.0	100
											568.4	571.4	3.0	100
570.1	585.2	100	1	Ogd	ARGILLACEOUS BIOCLASTIC CALCARENITE Grey fine grained calcarenite with nodular grained bioclasts. Argillaceous material on interstitial material nodular grained calcarenite which locally is bioclastic cleavage fabric. 15-20° to st. Minimal calcite veining 577.5-580m. Coarser bioclastic calcarenite with possibly oolitic 581.4-583.4 lt grey clinge? Stromatopora features. Poor bedding 30° to st. Loss of bioclasts after 584m.	90	571.4	573.3			571.4	574.4	3.0	100
											574.4	577.4	3.0	100
											577.4	580.4	3.0	100
											580.4	583.4	3.0	100
											583.4	586.4	3.0	100
											586.4	587.4	3.0	100
											589.4	592.4	3.0	100
											592.4	595.4	3.0	100
											595.4	598.4	3.0	100
											598.4	601.4	3.0	100
585.2	595.8	100	1	Ogd	MIXED SEQUENCES OF BIOCLASTIC CALCARENITES 573.4 Bedding (apparent) 60° to st. Light grey to dark grey bioclastic calcarenite with fine-coarse grained bioclasts; min- med grained dark grey argillaceous calcarenite; localised v. fine grained calcarenite possible. 595.4-595.8 - calcite vein - irregular contacts.	91	587.4	589.4			601.4	604.4	3.0	100
											604.4	607.4	3.0	100
											607.4	610.4	3.0	100
											610.4	613.4	3.0	100
											613.4	616.4	3.0	100
											616.4	619.4	3.0	100
											619.4	622.4	3.0	100

342068

DRILL CORE LOG

TENEMENT NAME MIRL No. 8.15

364288E

CO-ORDINATES 5350999N AZIMUTH..... DRILLERS ALMAC COMMENCED 5.6.95 PLAN - MAP REFERENCE.....
 RL COLLAR..... INCLINATION..... DRILL TYPE LY 44 COMPLETED..... DEPTH 702.4m HOLE No. Zm189
 CASING LEFT..... DPO No(s).....

DEPTH		Core Recovery %	EQ DATA	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weather, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by.....)											
From (M)	To(M)																					
575.8	611.7	100	1	Ogud	ARCILLACEOUS BIOCLASTIC CALCARENITE Uniform looking appearance. Fine grained grey calcarenite with red / some ground bioclasts, planar micritic / oscillatory material or minor dark grey calcarenite with (red / fine grain) Unit becoming more oscillatory downwards. Fine argillite. minor calcite veins. 50° to c/a. No cleavage collection @ 607m		5465692	604.4	606.4													
617	651.2	100	1	Ogud	MIXED MICRITES AND ARCILLACEOUS CALCARENITES Grey med/fine grained grey calcarenites; only one coarse bioclast with trace of burrowed oscillatory calcarenite. 615.5 - 619.0m Lt grey calcarenite bedding 40° to c/a locally diffuse laminations progressive dip to E. beds are micritic. 622.5 - 626.2 Ditto bedding dip to c/a 626.6 - 630.2 Fine grained grey calcarenite with bioclasts and micrites. 630.7 - 630.2 Stylocumulate zone - almost absent in places underlain by small brecciated unit 630.2 - 630.8 Zone of calcite veining 630.8 - 631.8m cleavage generally 20° to c/a.		93	615.5	619.0													
							94	627.7	630.0													
							95	630.0	631.9													
							96	640.4	642.7													
651.2	664.6	100	1	Ogud	ARCILLACEOUS CALCARENITES AND MICRITES Dark grey fine grained calcarenite (almost micritic) with major zone of oscillatory material / calcarenites Bedding in an oscillatory bed unit 661-661.5 - in 60° to c/a underlain by a small channel breccia unit with minor pyrite. Other breccia units occur below < 30cm with minor blebs of pyrite		97	655.4	657.4													
							98	661.0	662.9													
666	670.0	100	1	Ogud	BIOCLASTIC EQUIGRANULAR CALCARENITE Grey locally coarsely bioclastic calcarenite, possibly oolitic Passes into a dk grey fine grained oscillatory calcarenite with		99	664.6	666.6													
							546602	666.6	669.2													
							063	669.2	670.0													

342069

DRILL CORE LOG

ELEMENT NAME

364288E

CO-ORDINATES 5350999N AZIMUTH DRILLERS ALMAC COMMENCED 5.6.95 DEPTH 702.4m HOLE No. 2m181
 RL COLLAR INCLINATION DRILL TYPE L744 COMPLETED CASING LEFT DPO No(s)

DEPTH		Core Rec	GRA DATA	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analyzed by.....)				
From (M)	To (M)										REC (%)	PIE (%)	PUC (%)	REC (%)	
					Abundant biotite and siliceous up to 1cm (massive) pyritic at base of columnar (conglomerate) zone of cyanotiling breccia with 3 calcite in argillite 664.7-665.5m.						672.4	675.4	3.0	100	
											675.4	678.4	3.0	100	
											678.4	681.4	3.0	100	
											681.4	684.4	3.0	100	
670.0	671.1	100	4f	Dgst	FAULT ZONE Broken and slanted on 45° to left steep plane; rock dolomitized or part of the silty Transition with small clay gouge at base; possibly bedding parallel shear.		5466300	670.0	671.1		684.4	687.4	3.0	100	
											687.4	690.4	3.0	100	
											690.4	693.4	3.0	100	
671.1	699.0	100	1	Dgst	TRANSITIONAL SANDSTONE AND DOLOMITIZED CARBONATE UNIT Mixed series of dolomite and carbonate with siliceous at base; silty with some gneissic conditions; commonly biotite dolomitized calcite (with gls clasts); biotitoid bed; Non calcareous; minor amounts of scattered pyrite.		5466033 5466064 065 34 065 55 066	671.1 673.4 675.4 681.6 683.4 687.4 689.0 689.0	673.4 675.4 681.6 683.4 687.4 689.0 691.4		684.4	687.4	3.0	100	
											687.4	690.4	3.0	100	
											690.4	693.4	3.0	100	
689.0	702.4			Om.	MOINA SILICEOUS QUARTZITE. It grey highly siliceous quartzite with minor scattered smectite material.		56	691.4	693.3		693.4	696.4	3.0	100	
											696.4	699.4	3.0	100	
											699.4	702.4	3.0	100	
					CONGLOMERATE UNIT 694.1-695.05 light grey pure siliceous quartzite with chloritoid shale bands < 1cm Bedding 45° to left. Chlorite becoming more prevalent + less well bedded above to 697.2. 697.2-702.4 Chloritoid conglomerate with reddish brown? hematitic zones; siliceous quartzite bedding 50° to left.							700.4	703.4	3.0	100
											703.4	706.4	3.0	100	
											706.4	709.4	3.0	100	
											709.4	712.4	3.0	100	
											712.4	715.4	3.0	100	
											715.4	718.4	3.0	100	
											718.4	721.4	3.0	100	
											721.4	724.4	3.0	100	
											724.4	727.4	3.0	100	
											727.4	730.4	3.0	100	
											730.4	733.4	3.0	100	
											733.4	736.4	3.0	100	
											736.4	739.4	3.0	100	
											739.4	742.4	3.0	100	
											742.4	745.4	3.0	100	
											745.4	748.4	3.0	100	
											748.4	751.4	3.0	100	
											751.4	754.4	3.0	100	
											754.4	757.4	3.0	100	
											757.4	760.4	3.0	100	
											760.4	763.4	3.0	100	
											763.4	766.4	3.0	100	
											766.4	769.4	3.0	100	
											769.4	772.4	3.0	100	
											772.4	775.4	3.0	100	
											775.4	778.4	3.0	100	
											778.4	781.4	3.0	100	
											781.4	784.4	3.0	100	
											784.4	787.4	3.0	100	
											787.4	790.4	3.0	100	
											790.4	793.4	3.0	100	
											793.4	796.4	3.0	100	
											796.4	799.4	3.0	100	
											799.4	802.4	3.0	100	
											802.4	805.4	3.0	100	
											805.4	808.4	3.0	100	
											808.4	811.4	3.0	100	
											811.4	814.4	3.0	100	
											814.4	817.4	3.0	100	
											817.4	820.4	3.0	100	
											820.4	823.4	3.0	100	
											823.4	826.4	3.0	100	
											826.4	829.4	3.0	100	
											829.4	832.4	3.0	100	
											832.4	835.4	3.0	100	
											835.4	838.4	3.0	100	
											838.4	841.4	3.0	100	
											841.4	844.4	3.0	100	
											844.4	847.4	3.0	100	
											847.4	850.4	3.0	100	
											850.4	853.4	3.0	100	
											853.4	856.4	3.0	100	
											856.4	859.4	3.0	100	
											859.4	862.4	3.0	100	
											862.4	865.4	3.0	100	
											865.4	868.4	3.0	100	
											868.4	871.4	3.0	100	
											871.4	874.4	3.0	100	
											874.4	877.4	3.0	100	
											877.4	880.4	3.0	100	
											880.4	883.4	3.0	100	
											883.4	886.4	3.0	100	
											886.4	889.4	3.0	100	
											889.4	892.4	3.0	100	
											892.4	895.4	3.0	100	
											895.4	898.4	3.0	100	
											898.4	901.4	3.0	100	
											901.4	904.4	3.0	100	
											904.4	907.4	3.0	100	
											907.4	910.4	3.0	100	
											910.4	913.4	3.0	100	
											913.4	916.4	3.0	100	
											916.4	919.4	3.0	100	
											919.4	922.4	3.0	100	
											922.4	925.4	3.0	100	
											925.4	928.4	3.0	100	
											928.4	931.4	3.0	100	
											931.4	934.4	3.0	100	
											934.4	937.4	3.0	100	
											937.4	940.4	3.0	100	
											940.4	943.4	3.0	100	
											943.4	946.4	3.0	100	
											946.4	949.4	3.0	100	
											949.4	952.4	3.0	100	
											952.4	955.4	3.0	100	
											955.4	958.4	3.0	100	
											958.4	961.4	3.0	100	
											961.4	964.4	3.0	100	
											964.4	967.4	3.0	100	
											967.4	970.4	3.0	100	
											970.4	973.4	3.0	100	
											973.4	976.4	3.0	100	
											976.4	979.4	3.0	100	
											979.4	982.4	3.0	100	
											982.4	985.4	3.0	100	
											985.4	988.4	3.0	100	
											988.4	991.4	3.0	100	
											991.4	994.4	3.0	100	