301069

CRA EXPLORATION PTY. LIMITED

DRILL-HOLE SUMMARY LOG

HOLE NAME: DD96DS101 AMG EAST 366237 NORTH 5356795

PROSPECT: SUNNY CORNER GRID EAST 65802 NORTH 56850

EL: MT DUNDAS EL45/92 RL 170m. DEPTH 380.6m.

DATE DRILLED: 1/4/96

LOGGED BY: S.J.TEAR

DRILLING CO.: DD.TAS

DRILL TYPE: DIAMOND

DRILL RIG: LY38 - Helicopter

LOC DRILL CORE: ZEEHAN

SURVEYS:

DEPTH	AZIM (AMG)	DIP	DEPTH	AZIM (AMG)	DIP
0m	97°	51°	203m	96.5°	47°
50m	97°	51°	251m	97°	49°
98m	97°	51°	300m	82° (?).	50°
149m	97°	49	380m	N/A	52°

(note in casing + double photo.

OBJECTIVES OF HOLE:

Diamond drilltest of surface geochemistry (Wacker) up to 0.8% Zn and diamond drilltest lower limestone/sandstone contact.

LITHOGICAL SUMMARY:

FROM	TO	FORM CODE	COMMENTS
0	3.0	Qha	Overburden
3.0	18.8	Ogdc	Dark grey clays with pyrite and galena.
18.8	39.9	Ogdl	Dolomite
39.9	85.4	Ogdc	Rotted dolomite/limestone with shear zones
85.4	100.9	Ogul	Partially dolomitised bioclastic calcarenite with argillite
100.9	105.0	Ogmu	Laminated micrite unit.
105.0	238.8	Ogul	mixed sequence of fine grained calcarenites with laminated micrite units - intertidal facies.
238.8	241.5	Ogmu	Laminated micrite unit.
241.5	243.0	Ogfz	Fault zone
243.0	250.0	Ogul	Rotted limestone inc laminated micrite unit.
250.0	299.1	Ogsd	Siderite Unit with dark grey clays
299.1	346.5	Ogoo	Dolomitic Oolite Unit with dark clays and mineral.
346.5	355.5	Ogsd	Siderite unit.
355.5	367.5	Ogdc	Dark grey clays +/- dolomite and siderite
367.5	376.8	Ogst	Silty Transition Unit.
376.8	380.6	Om	Moina Sandstone - ?unconformity bedding 45° to c/A.

MINERALISATION SUMMARY:

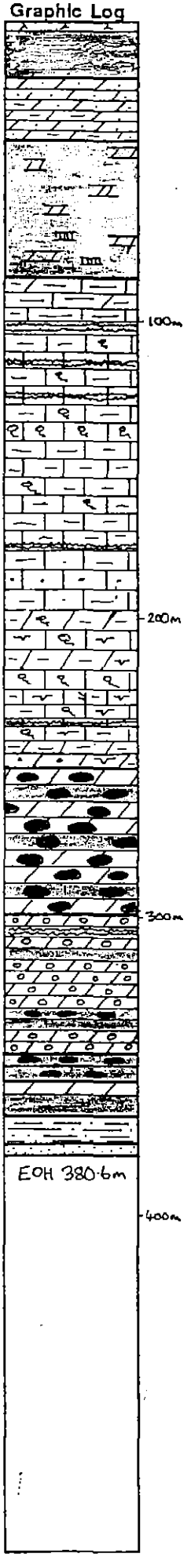
FROM	TO	COMMENTS
4.3	12.2	Dark grey clay with disseminated galena circa 3.5% Pb 0.8% Zn 30g/t Ag inc 1.7m @ 10% Pb 0.37% Zn.
121.3	121.5	Sphalerite/galena replacing Limestone - colloform sphalerite - possible vein. 9.2% Zn, 9.2% Pb - Irish-style in look.
201	238.7	Zone of galena in cal/dol veins.
303	304.5	0.3% Zn 3.8% Pb - Galena (+ sphalerite) locally massive in a ?dolomitic/sideritic breccia
312.75	313.85	3.7% Zn 5.9% Pb - Galena + Sphalerite - locally massive (with core loss) in sideritic dolomite.

CONCLUSIONS:

The drillhole represents major alteration as having occurred with significant base intercepts. This is perhaps the most mineralised and altered drillhole outside of Grevies. Worthy of further follow up. Mineralisation in the Oolite Unit is significant

Bedding @ 65.2m 60° to c/A. @ 100.9 45° to c/A. @ 121.5 60° to c/A @ 196.0 60° to c/A @ 262.8 60° to c/A

Graphic Log



C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

SHEET No. 1 of 12

TENEMENT NAME MT DUNDAS No. EL 45/9

PLAN – MAP REFERENCE SUNNY CORNER

CO-ORDINATES AMG: 366237E 5356795N AZIMUTH 097° (AMG) DRILLERS DDTAS COMMENCED 1/4/96 DEPTH 380.6 HOLE No. DD96DS101

RL COLLAR 170m INCLINATION 51° DRILL TYPE LY38 (H) COMPLETED 1/5/96 CASING LEFT DPO No(s) 82161/8216

DEPTH From (M)	DEPTH To (M)	Core Rec. %	RQD	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by.....) Mg Sus. Depth	Value	Depth	Value	REC (from)	REC (to)	REC (m)	REC (%)
0	3.0	–	–	Qha	Overburden - not recovered.						3	5	18.5	CL	0	3	–	0
											3.5	5	19	0	3	4.3	0.65	50
3.0	18.8	~~75~~	5	Ogdc	Dark grey/black clay ?rotted dolomite/limestone	Disseminated blebs of recrystallised (?) pyrite.	5473852	3.0	4.3		4	CL	19.5	CL	4.3	6.0	0.9	69
							53	4.3	6.0		4.5	0	20	CL	6.0	9.0	2.0	67
						Pyrite up to 5%	54	6.0	7.0		5	0	20.5	CL	9.0	12.0	1.2	40
						4.3 – 6.0m (+/- galena)	55	7.0	9.0		5.5	CL	21	35	12.0	15.0	3.0	100
						10.5 – 12.2 5% galena as blebs disseminated;	56	9.0	10.5		6	2	21.5	4	15.0	18.0	2.4	80
							57	10.5	12.2		6.5	0	22	4	18.0	19.5	1.5	100
						occ bleb of galena elsewhere	58	12.2	15.0		7	5	22.5	5	19.5	21.0	1.2	80
							59	15.0	18.0		7.5	0	23	2	21.0	23.5	2.5	100
18.8	39.9	85	3f	Ogdl	Dark grey dolomite with weathered surfaces. Broken core - brittle nature	Minor veg infill as dolomite (+/- v. minor galena)	60	18.0	18.8		8	CL	23.5	4	23.5	25.2	1.7	100
							61	18.8	19.5		8.5	0	24	4	25.2	27.0	1.8	100
							62	19.5	21.0		9	0	24.5	5	27.0	28.6	1.6	100
							63	21.0	23.5		9.5	0	25	6	28.6	30.0	1.4	100
39.9	42.0	60	5x	Ogfc	Sheared zone of clays, broken core (dolomite)		64	23.5	25.2		10	CL	25.5	5	30.0	31.5	1.5	100
							65	25.2	27.0		10.5	CL	26	5	31.5	33.0	1.5	100
							66	27.0	28.6		11	CL	26.5	8	33.0	34.6	1.6	100
42.0	52.8	67	5x	Ogdc	Zone of rotted ?dolomite and dark grey/black clays seemingly non calcareous but well rotted.	?possibility of minor siderite alteration	67	28.6	30.0		11.5	11	27	4	34.6	36.0	1.4	100
							68	30.0	31.5		12	10	27.5	5	36.0	39.0	0.75	25
							69	31.5	33.0		12.5	0	28	5	39.0	40.0	0.7	70
							70	33.0	34.6		13	0	28.5	8	40.0	42.0	1.2	60
							71	34.6	36.0		13.5	5	29	4	42.0	43.5	1.2	80
52.8	55.9	69	5	Ogdc	Dark grey/black clay Perhaps the Siltstone unit	Zones of small scale disseminated pyrite.	72	36.0	39.0		14	0	29.5	6	43.5	45.0	0.5	33
							73	39.0	39.9		14.5	0	30	5	45.0	46.6	1.3	81
						Possible bedding @ 55.6 60° to c/A	74	39.9	42.0		15	0	30.5	8	46.6	48.0	0.7	50
							75	42.0	43.5		15.5	0	31	5	48.0	49.2	0.8	67
55.9	65.2	89	5	Ogdc	Rotted ?limestone/dolomite non-calcareous. Abundant mica. Poss Ogmm 63.0 – 63.7m.	Occ fine dissem of pyrite eg 61.0m.	76	43.5	45.0		16	4	31.5	5	49.2	50.9	1.7	100
							77	45.0	48.0		16.5	CL	32	2	50.9	52.5	0.4	25
							78	48.0	50.2		17	CL	32.5	0	52.5	54.0	1.0	67
65.2	66.5	90	5	Ogmm	Possible rotted laminated micrite unit	Bedding 60° to c/A.	79	50.2	52.8		17.5	0	33	0	54.0	55.5	1.2	80
							80	52.8	55.9		18	CL	33.5	2	55.5	57.0	1.5	100

301070

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DRILL CORE LOG

SHEET No. 2 of 12

TENEMENT NAME MT DUNDAS No. EL 45/92

PLAN – MAP REFERENCE SUNNY CORNER

CO-ORDINATES AMG: 366237E, 5356795N AZIMUTH 097° AMG DRILLERS DDTAS COMMENCED 1/4/96 DEPTH 380.6 HOLE No. DD96DS101

RL COLLAR 170M INCLINATION 51° DRILL TYPE LY38(H) COMPLETED 1/5/96 CASING LEFT DPO No(s) 82161/82165

DEPTH From (M)	DEPTH To (M)	Core Rec. %	RQD	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)
66.5	76.2	73	5	Ogdc	Dark grey/black rotted limestone/dolomite clay pass ogmu unit 75?-76.0m.	Bedding 55° to c/A	547388	55.9	58.6	
							82	58.6	61.6	
							83	61.6	63.6	
							84	63.6	65.1	
76.2	76.6	100	5	Ogfz	Possible shear zone - dark grey/black clays	Blebs of galena. Large manes of v fine grained (filigree) pyrite. ? recrystallised.	85	65.1	66.5	
							86	66.5	69.0	
							87	69.0	72.0	
							88	72.0	75.0	
						Poss shear too 45°-40° to c/A.	89	75.0	76.2	
							90	76.2	76.6	
76.6	82.8	47	5x	Ogwl	Rotted, broken core Dolomitised (?) limestone with dark grey clays poss loss of dolomite d/hole after 78m.		91	76.6	78.0	
							92	78.0	81.0	
							93	81.0	82.8	
82.8	85.4	0	-	Cavity						
85.4	92.0	81	5x	Ogwl	Partially rotted argillaceous calcarenite with occ bioclastic zones of broken core occ zones of dolomitisation which are fault related	dol/cal veining locally more intense minor pyrite with veining Fault zone 89.5-92m.	94	85.4	87.0	
							95	87.0	88.4	
							96	88.4	90.0	
							97	90.0	92.0	
92.0	93.0	100	2	Ogdl	Dolomitised calcarenite	At 92.8m dol vein with semi massive galena < 3mm thick	98	92.0	93.0	
93.0	95.2	100	1	Ogwl	Med grained (partially dolomitised) calcarenite with occ bioclasts and zones of argillite.		99	93.0	95.2	

ASSAY VALUES (Analysed by .....)

Mag Sus Depth	Mag Sus Value	Depth	Value	REC (from)	REC (to)	REC (m)	REC (%)
34	4	49.5	5	57.0	58.6	1.6	100
34.5	5	50	2	58.6	60.0	1.4	100
35	6	50.5	10	60.0	61.6	1.6	100
35.5	5	51	10	61.6	63.0	1.0	63
36	4	51.5	CL	63.0	64.5	1.5	100
36.5	5	52	CL	64.5	66.0	1.5	100
37	6	52.5	5	66.0	67.5	1.0	67
37.5	CL	53	6	67.5	69.0	1.2	80
38	CL	53.5	3	69.0	70.6	1.2	75
38.5	4	54	0	70.6	72.0	1.2	86
39	6	54.5	3	72.0	73.5	1.0	67
39.5	2	55	2	73.5	75.0	1.0	67
40	4	55.5	2	75.0	76.6	1.6	100
40.5	CL	56	5	76.6	78.0	1.0	63
41	CL	56.5	5	78.0	81.0	1.0	33
41.5	CL	57	0	81.0	82.8	0.9	50
42	6	57.5	0	82.8	85.4	–	0
42.5	2	58	2	85.4	87.0	1.4	88
43	5	58.5	2	87.0	88.4	1.2	86
43.5	2	59	2	88.4	90.0	1.1	69
44	CL	59.5	2	90.0	91.1	0.7	77
44.5	CL	60	0	91.1	92.7	1.6	100
45	10	60.5	2	92.7	94.2	1.5	100
45.5	5	61	5	94.2	95.8	1.6	100
46	5	61.5	0	95.8	97.3	1.5	100
46.5	20	62	5	97.3	99.0	1.7	100
47	5	62.5	2	99.0	100.8	1.8	100
47.5	CL	63	5	100.8	102.0	1.2	100
48	CL	63.5	3	102.0	103.4	1.4	100
48.5	5	64	5	103.4	105.0	1.6	100
49	7	64.5	4	105.0	106.4	1.0	71

301071

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DRILL CORE LOG

TENEMENT NAME MT DUNDAS No. 4S/92

PLAN – MAP REFERENCE SUNNY CORNER

CO-ORDINATES AMG 366237E 5356795N AZIMUTH 097° AMG DRILLERS DOTAS COMMENCED 1/4/96 DEPTH 380.6 HOLE No. DD96DS101

RL COLLAR 170m INCLINATION 51° DRILL TYPE LY38 (H) COMPLETED 1/5/96 CASING LEFT DPO No(s) 82161/82165

DEPTH From (M)	DEPTH To(M)	Core Rec. %	RQD	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	Mag Sus. Depth	Mag Sus. Value	Mag Sus. Depth	Mag Sus. Value	REC (from)	REC (to)	REC (m)	REC (%)
95.2	95.8	100	3	Ogmu	Laminated micrite unit.		5473900	95.2	97.3		65	2	80.5	35	106.4	108.0	1.6	100
											65.5	0	81	0	108.0	109.6	1.6	100
95.8	99.0	100	2b	Ogwl	Bedded fine grained calcarenite with 1cm beds of argillite small fenestral micrite and argillite laminae @ 97.8-98m.	Bedding 60° to c/A.	5471062	97.3	99.0		66	4	81.5	2	109.6	111.0	1.4	100
											66.5	2	82	CL	111.0	112.5	1.5	100
											67	5	82.5	CL	112.5	113.3	0.8	100
											67.5	2	83	CL	113.3	114.3	1.0	100
											68	2	83.5	CL	114.3	115.8	1.5	100
											68.5	4	84	CL	115.8	117.0	1.2	100
											69	2	84.5	2	117.0	118.5	1.5	100
					HQ Stops @ 99m.						69.5	2	85	0	118.5	119.9	1.4	100
											70	2	85.5	CL	119.9	121.5	1.6	100
99.0	100.9	100	2	Ogdl	Dolomitised calcarenite with cal/dol veining	Minor blebs of pyrite.	63	99.0	100.9		70.5	4	86	CL	121.5	123.0	1.5	100
											71	0	86.5	5	123.0	124.5	1.5	100
											71.5	2	87	8	124.5	126.0	1.5	100
100.9	105.0	95	2b	Ogmu	Laminated micrite unit Argillite laminae; with syn sed brecciation and occ bioclastic band.	Bedding 45° to c/A.	64	100.9	103.4		72	4	87.5	5	126.0	127.6	1.6	100
											72.5	2	88	20	127.6	129.0	1.4	100
											73	3	88.5	CL	129.0	130.5	1.5	100
											73.5	4	89	15	130.5	131.7	1.2	100
											74	2	89.5	28	131.7	133.3	1.6	100
105.0	115.1	100	2	Ogwl	Fine grained grey calcarenite with interstitial med grained dark grey argillaceous calcarenite - burrowed Partially rotted; rare bioclasts	? Stromatactis cavities 111.5-111.8m. cal/dol infill.	65	113.3	115.1		74.5	2	90	15	133.3	134.8	1.5	100
											75	0	90.5	5	134.8	136.4	1.6	100
											75.5	0	91	15	136.4	137.9	1.5	100
											76	0	91.5	15	137.9	141.0	3.1	100
											76.5	0	92	80	141.0	144.0	3.0	100
											77	70	92.5	25	144.0	147.0	3.0	100
											77.5	40	93	25	147.0	150.0	3.0	100
115.1	116.5	100	3b	Ogmu	Interlaminated argillite and micrite unit	Bedding 50° to c/A. Chert band 3cm @ 116.7m.					78	CL	93.5	15	150.0	151.4	1.4	100
											78.5	CL	94	25	151.4	153.0	0.8	50
											79	CL	94.5	10	153.0	155.8	2.8	100
116.5	121.5	100	3f	Ogwl	Interbedded fine grained calcarenite and argillite. locally bioclastic - well bedded in places. 55° to c/A.	Occ cal/dol veining; 121.3 121.5 cal/dol vein with 7% Sphalerite - colloform + 3% galena	66	119.9	121.3		79.5	CL	95	12	155.8	158.9	3.1	100
							67	121.3	121.5		80	CL	95.5	8	158.9	162.0	3.1	100

301072

C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

TENEMENT NAME MT DUNDAS No. 45192

PLAN – MAP REFERENCE SUNNY CORNER

AMG: 366237E.

CO-ORDINATES 5356795N AZIMUTH 097° AMG DRILLERS ODTAS COMMENCED 1/4/96 DEPTH 380.6 HOLE No. DD96DS101

RL COLLAR 70m INCLINATION 51° DRILL TYPE LY38(H) COMPLETED 1/5/96 CASING LEFT DPO No(s) 82161/82165

DEPTH From (M)	DEPTH To (M)	Core Rec. %	RQD	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)
121.5	123.3	100	2	Ogmu	Laminated micrite unit.	Bedding 60° to c/A.	5471068	121.5	123.0	
123.3	134.8	100	1	Ogul	Non-descript med/fine grained grey calcarenite; large bioclastic unit 125-125.5m. Intermixed argillite; locally burrowed. Occasionally becomes an argillaceous bioclastic calcarenite - bioclasts in argillite. eg 131m. Possible laminated micrite unit 133.3-134.8m.	Bedding @ 138.3m 50° to c/A. Very rare pyrite disseminated blebs.	69	133.3	134.8	
134.8	141.0	100	2f	Ogul	Becoming more bioclastic after 134.8m to 141m.		70	139.4	141.0	
141.0	149.3	100	2	Ogul	Fine grained grey calcarenite with locally micritic zones +/- coarse bioclasts; some intermixed argillite.	Calcite vein 147.7-148.4m System				
149.3	151.5	100	4f	Ogfz	Sheared zone with calcite veining. + occ clay zone.		71	147.0	148.6	
							72	148.6	150.0	
							73	150.0	151.5	
151.5	167.3	100	1	Ogul	Med/fine grained locally micritic calcarenite with zones + bands of argillaceous calcarenite - burrowed bioclasts in argillite. Small equigranular unit 164-164.5m. Oncolites.	Bedding quite steep to c/A ?70° to c/A.	74	151.5	153.0	
							75	162.0	163.5	

ASSAY VALUES (Analysed by Mag Sus.)

Depth	Value	Depth	Value	Depth	Value	Depth	Value
96	10	111.5	0	127	11	142.5	5
96.5	12	112	4	127.5	5	143	5
97	15	112.5	12	128	13	143.5	5
97.5	18	113	0	128.5	8	144	5
98	10	113.5	5	129	5	144.5	3
98.5	8	114	10	129.5	5	145	10
99	15	114.5	8	130	7	145.5	12
99.5	20	115	2	130.5	10	146	7
100	30	115.5	7	131	5	146.5	5
100.5	20	116	0	131.5	10	147	0
101	5	116.5	8	132	12	147.5	3
101.5	5	117	5	132.5	10	148	0
102	17	117.5	6	133	5	148.5	0
102.5	10	118	10	133.5	6	149	4
103	17	118.5	2	134	10	149.5	3
103.5	5	119	3	134.5	5	150	13
104	5	119.5	4	135	4	150.5	3
104.5	7	120	8	135.5	5	151	2
105	6	120.5	2	136	10	151.5	2
105.5	5	121	7	136.5	5	152	4
106	5	121.5	15	137	7	152.5	12
106.5	6	122	4	137.5	6	153	8
107	17	122.5	5	138	5	153.5	0
107.5	10	123	5	138.5	0	154	4
108	8	123.5	2	139	3	154.5	6
108.5	12	124	4	139.5	4	155	5
109	12	124.5	5	140	5	155.5	7
109.5	24	125	2	140.5	2	156	7
110	20	125.5	0	141	7	156.5	6
110.5	6	126	0	141.5	4	157	5
111	5	126.5	2	142	8	157.5	6

301073

C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

SHEET No. 5 of 12

TENEMENT NAME MT DONDAS No. 45/92

PLAN – MAP REFERENCE SUNNY CORNER

CO-ORDINATES 366237E. 5356795N AZIMUTH 097° AMG DRILLERS ODTAS COMMENCED 1/4/96 DEPTH 380.6 HOLE No. DD96DS101

RL COLLAR 170M INCLINATION 51° DRILL TYPE L438 (H) COMPLETED 11/5/96 CASING LEFT DPO No(s) 82161/82165

DEPTH From (M)	DEPTH To(M)	Core Rec. %	RQD	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)
167.3	167.6	100	4	Ogfz	Calcite vein and clay shear	75° to c/A. Minor pyrite in shear				
167.6	168.7	100	3	Ogwl	As before shear					
168.7	170.2	100	36	Ogmw	Laminated micrite unit mainly non-bedded micrite	Bedding 60° to c/A. Occ brown dol vein.				
170.2	174.0	100	3	Ogwl	Med/fine grained calcarenite with large coral fragments 10-15cm. Pos minor siderite @172.2m. pos shear zone @173.8m for 10cm.	Brown dol vein, 25° to c/A	SA71076	172.5	174.0	
						10cm Calcite vein 45° to c/A @172.8m.				
174.0	175.6	100	1	Ogwl	Intermixed fine grained grey calcarenite and dark grey argillaceous calcarenite.	Cal/dol brown veining +/- v. minor galena.				
175.6	177.4	100	1	Ogmw	Laminated micrite unit argillite laminae and fenestral micrite.	Bedding 65° to c/A.				
177.4	196.0	100	2	Ogwl	Fine grained grey calcarenite with argillite bands Large coral fragments. + other bivalve nodules in places. possibly oncolitic Zones of weathering/rotting highlight qtz clasts eg. 183.6 – 184.4 bedding 70° to c/A.		5471077	181.0	183.0	
							5471078	192.0	193.6	

ASSAY VALUES (Analysed by.....)

Mag Sus. Depth	Value	Depth	Value	REC (from)	REC (to)	REC (m)	REC (%)
158	4	178.5	7	162.0	165.0	3.0	100
158.5	8	174	8	165.0	168.0	3.0	100
159	4	174.5	11	168.0	171.0	3.0	100
159.5	6	175	6	171.0	174.0	3.0	100
160	8	175.5	10	174.0	177.0	3.0	100
160.5	10	176	6	177.0	180.0	3.0	100
161	7	176.5	8	180.0	183.0	3.0	100
161.5	6	177	5	183.0	186.0	3.0	100
162	6	177.5	8	186.0	187.6	1.6	100
162.5	4	178	10	187.6	189.0	1.4	100
163	8	178.5	7	189.0	190.6	1.6	100
163.5	13	179	8	190.6	192.0	1.4	100
164	4	179.5	10	192.0	193.6	1.4	87
164.5	8	180	4	193.6	195.0	1.4	100
165	5	180.5	9	195.0	196.0	0.6	60
165.5	10	181	10	196.0	197.0	–	–
166	5	181.5	3	198.0	198.8	0.4	50
166.5	8	182	8	198.8	200.0	1.2	100
167	7	182.5	2				
167.5	0	183	5				
168	6	183.5	4				
168.5	11	184	2				
169	4	184.5	12				
169.5	0	185	5				
170	5	185.5	11				
170.5	6	186	10				
171	5	186.5	14				
171.5	7	187	12				
172	58	187.5	15				
172.5	8	188	8				
173	7	188.5	10				

301074

C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

SHEET No. 6 of 12

TENEMENT NAME MT DUNDAS No. 4592

PLAN – MAP REFERENCE SUNNY CORNER

AMG: 366237E

CO-ORDINATES 5356795N AZIMUTH 097°MMG DRILLERS ODTAS COMMENCED 1/4/96 DEPTH 380.6m HOLE No. DD96DS101

RL COLLAR 170m INCLINATION 51° DRILL TYPE LY38(H) COMPLETED 1/5/96 CASING LEFT DPO No(s) 82161/82165

DEPTH From (M)	DEPTH To(M)	Core Rec. %	RQD	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)
					Slightly strange burrowed fabric (? result of partial rotting) - bioclasts present (? crinoidal). argillaceous bioclastic zones.	bedding @ 194m 65° to c/a			
					sand/clay zone 195.2 to 196m - core loss.				
196.0	198.0	-	-	cavity					
198.0	199.6	75	3	Ogul.	Partially rotted argillaceous calcarenite. burrowed.				
199.6	201.3	95	2	Ogul	Med/fine grained bioclastic calcarenite with interbed argillaceous calcarenite. Sheared zone from 200.8m	Cal/dol veining subparallel to c/a; with galena blebs			

ASSAY VALUES (Analysed by Mag Sus.)

Depth	Value	Depth	Value	Depth	Value	Depth	Value
189	8	204.5	25	220	10	235.5	4
189.5	4	205	12	220.5	15	236	5
190	10	205.5	8	221	15	236.5	12
190.5	4	206	47	221.5	10	237	17
191	2	206.5	5	222	10	237.5	6
191.5	2	207	2	222.5	35	238	8
192	11	207.5	2	223	10	238.5	7
192.5	10	208	2	223.5	5	239	4
193	6	208.5	0	224	7	239.5	5
193.5	18	209	30	224.5	7	240	20
194	6	209.5	12	225	12	240.5	10
194.5	4	210	10	225.5	7	241	CL
195	4	210.5	5	226	55	241.5	65
195.5	CL	211	5	226.5	10	242	55
196	4	211.5	10	227	12	242.5	50
196.5	CL	212	22	227.5	5	243	50
197	CL	212.5	14	228	7	243.5	20
197.5	CL	213	10	228.5	10	244	75
198	8	213.5	3	229	8	244.5	60
198.5	24	214	CL	229.5	5	245	2
199	43	214.5	5	230	5	245.5	2
199.5	22	215	10	230.5	15	246	5
200	5	215.5	15	231	15	246.5	5
200.5	7	216	12	231.5	30	247	8
201	6	216.5	10	232	8	247.5	10
201.5	4	217	10	232.5	10	248	25
202	4	217.5	15	233	12	248.5	25
202.5	10	218	8	233.5	5	249	22
203	18	218.5	6	234	3	249.5	CL
203.5	80	219	12	234.5	5	250	7
204	22	219.5	12	235	10	250.5	CL

301075

C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

SHEET No. 7 of 12

TENEMENT NAME MT OUNDAS No. EL 45/92

AMG: 366237E.

PLAN – MAP REFERENCE SUNNY CORNER

CO-ORDINATES 5356795N AZIMUTH 097° AMG DRILLERS DDTAS COMMENCED 1/4/96 DEPTH 380.6m HOLE No. DD96DS101

RL COLLAR 170M INCLINATION 51° DRILL TYPE LY38(H) COMPLETED 1/5/96 CASING LEFT DPO No(s) 82161/82165

DEPTH From (M)	DEPTH To(M)	Core Rec. (%)	RQD	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by Mag SUS) Depth	Value	Depth	Value	REC (from)	REC (To)	REC (M)	REC (%)
200.0	200.6	100	2	Ogoo	med grained grey equigranular bioclastic calcarenite.	Calc/dol 1cm wide vein with galena 10° to c/A.	5852166	198.8	199.6		251	15	266.5	CL	198.8	200.0	1.2	100
							5852167	199.6	201.0		251.5	CL	267	140	200.0	201.0	1.0	100
											252	CL	267.5	CL	201.0	202.4	0.9	57
200.8	202.4	62	4x	Ogfz	Argillaceous calcarenite and dark grey clay - ? fault zone or rotted limestone.	80° to c/A angle of shearing.	68	201	202.4		252.5	5	268	CL	202.4	203.9	1.5	100
											253	7	268.5	15	203.9	205.5	1.4	88
											253.5	CL	269	CL	205.5	207.0	1.2	80
											254	5	269.5	CL	207.0	208.4	1.2	86
202.4	218.5	82	2f	Ogul	Zone of mixed limestone type beds - fine grained uniform calcarenites; coarsely bioclastic with - possible oncolites, argillaceous bioturbated calcarenites, localised rotted clay zones. Distinct argillite bands < 3cm occur downhole.	Bedding 70° to c/A	69	202.4	203.9		254.5	150	270	25	208.4	209.9	1.5	100
						cal/dol vein 10° to c/A with galena blebs	70	203.9	205.5		255	5	270.5	CL	209.9	211.5	1.4	88
											255.5	5	271	CL	211.5	213.0	1.5	100
						occ vein of cal/dol with galena blebs - possibly with sphalerite eg 211.0m.					256	5	271.5	75	213.0	214.5	0.25	17
											256.5	7	272	85	214.5	215.5	0.75	75
											257	3	272.5	CL	215.5	217.0	1.5	100
											259.5	CL	273	60	217.0	218.6	1.6	100
											258	3	273.5	CL	218.6	219.8	1.2	100
											258.5	5	274	200	219.8	221.4	1.1	69
215.5	220.7	100	2f	Ogul	Fine grained almost micritic grey calcarenite with minor argillite bands - ? stylocumulates occ bioclastic band < 5cm with coarse brachiopods	2cm cal/dol vein 15° to c/A with minor galena blebs					259	15	274.5	8	221.4	223.9	2.2	88
											259.5	4	275	170	223.9	225.0	1.1	100
											260	0	275.5	5	225.0	226.4	1.1	79
											260.5	5	276	CL	226.4	228.0	1.6	100
											261	4	276.5	CL	228.0	229.7	1.1	65
											261.5	25	277	CL	229.7	231.0	0.9	69
220.7	222.1	67	5x	Ogfz	Zone of broken core / ? fault zone		71	221.9	223.9		262	15	277.5	10	231.0	231.9	0.7	70
											262.5	150	278	200	231.9	233.3	1.4	100
											263	CL	278.5	CL	233.3	234.5	0.8	80
222.1	224.4	75	3f	Ogul	Coarsely bioclastic bands intermixed with fine grained grey micritic calcarenite and argillite						263.5	5	279	15	234.5	235.5	0.8	80
											264	CL	279.5	210	235.5	236.7	0.4	81
											264.5	160	280	5	236.7	238.4	1.5	88
											265	75	280.5	10	238.4	240.0	1.1	69
											265.5	CL	281	15	240.0	241.5	1.0	67
											266	230	281.5	10	241.5	243.0	0.9	53

301076

SHEET No. 8 of 12

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

TENEMENT NAME MT DUNDAS No. 45/92
PLAN – MAP REFERENCE SUNNY CORNER

AMG : 366237E.
CO-ORDINATES 5356795N AZIMUTH 097° AMG DRILLERS DOTAS COMMENCED 1/4/96 DEPTH 380.6 HOLE No. DD96DS101
RL COLLAR 170M INCLINATION 51° DRILL TYPE LY38(H) COMPLETED 1/5/96 CASING LEFT DPO No(s) 82161/82165

DEPTH From (M)	DEPTH To (M)	Core Rec. (%)	RQD	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ...) Mag Sus Depth	Value
224.5	229.7	83	3f	Ogul	Fine grained grey calcarenite	Siderite zone @ 225.9m					282	60
					with interstitial and intermixed	to 226.1m.					282.5	5
					argillaceous calcarenite zones	Bedding 60° to c/A.					283	160
					possible stromatolites at	cal/dol vein 1cm wide					283.5	5
					226.5m; fenestrate zones	15° to c/A.					284	60
					localised zones of broken	1mm bedded pyrite layer					284.5	200
					core and clay zones.	@ 228.6m.					285	15
											285.5	CL
229.7	231.7	50	4f	Ogmu	Broken core zone including	3cm cal/dol vein 50° to	5852172	229.4	232.1		286	55
					light grey laminated micrite	c/A. @ 231.1					286.5	80
						5cm cal/dol vein 25° to					287	30
						c/A @ 230.9m.					287.5	CL
						Bedding 50° to c/A					288	30
											288.5	20
231.7	235.3	88	4x	Ogul	Med/fine grained grey						289	60
					calcarenite possibly micritic						289.5	7
					with argillite bands						290	5
					Occ calcarenite with						290.5	CL
					coarse bioclasts - brachiopods						291	20
					some times or thin bands						291.5	CL
					zones of broken core						292	CL
											292.5	40
235.3	237.4	75	3b	Ogmy	Laminated micrite unit with	Bedding 60° to c/A	" 73	236.7	238.7		293	CL
					argillaceous laminae	Cleavage 20° to c/A seemingly					293.5	CL
						with siderite along planes					294	CL
											294.5	CL
237.4	238.6	83	1	Ogul	Med/fine grained grey						295	210
					calcarenite						295.5	CL
											296	CL
238.6	238.8	100	3x	Ogsd	Small sideritically altered	Dol/cal vein in shear.	74	238.7	240.0		296.5	CL
					limestone with a clay shear						297	210

301077

C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

SHEET No. 9 of 12

AMG 366237E

TENEMENT NAME MT OUNDAS No. 45192

CO-ORDINATES 5356795N AZIMUTH 094° AMG DRILLERS OOTAS COMMENCED 11/4/96

PLAN – MAP REFERENCE SUNNY CORNER

DEPTH 380.6M HOLE No. DD96DS101

RL COLLAR 170m INCLINATION 51° DRILL TYPE LY38 (H) COMPLETED 11/5/96

CASING LEFT DPO No(s) 82161/82165

DEPTH From (M)	DEPTH To (M)	Core Rec. %	RQD	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by.....) Mag Sus Depth	Value	REC (From)	REC (To)	REC (m)	REC (%)
238.8	240.0	67	1x	Ogmu	light grey massive micrite with birds eyes.						297.5	CL	243.0	244.5	1.0	67
											298	CL	244.5	246.0	1.5	100
											298.5	CL	246.0	247.5	1.0	67
240.0	241.5	67	3x	Ogmu	Laminated micrite - distinctive with abundant argillaceous laminae and very small nodules of micrite <2mm intertwined.	Bedding 70° to c/A Suggestion of possible siderite alteration on ?cleavage planes 25° to c/A.	5852175	240.0	241.5		299	180	247.5	249.0	1.5	100
											299.5	5	249.0	250.0	0.4	40
											300	5	250.0	251.0	0.25	25
											300.5	20	251.0	252.4	0.2	14
											301	10	252.4	253.7	0.65	50
											301.5	30	253.7	255.0	1.0	77
241.5	243.0	60	5x	Ogfz	Sheared zone - brecciated siderite	Siderite alteration of limestone (part calcareous)	76	241.5	243.0		302	10	255.0	256.5	0.6	40
											302.5	CL	256.5	258.0	0.3	20
											303	5	258.0	259.2	0.3	25
243.0	244.6	70	3f	Ogsd	Siderite unit - dark grey black, weakly calcareous with localised hydrothermal brecciation.		77	243.0	244.5		303.5	30	259.2	260.9	0.3	18
											304	CL	260.9	262.1	1.0	83
											304.5	20	262.1	263.4	0.4	31
											305	5	263.4	264.9	0.6	40
											305.5	5	264.9	265.9	0.2	20
244.6	245.8	100	3x	Ogwl	Partially rotted argillaceous burrowed calcarenite with clays at base.		78	244.5	245.8		306	5	264.9	267.0	0.3	33
											306.5	5	267.0	268.5	0	–
											307	CL	268.5	270.0	0.1	7
											307.5	CL	270.0	271.5	0.1	7
245.8	250.0	70	5x	Ogmu	Rotted laminated micrite unit - or a clay - top of unit with birdseye micrites light grey to 247.5m then with argillaceous laminae. Heavily sheared	Bedding 60° to c/A. Cleavage (brown planes due to siderite - 25° to c/A)	79	245.8	247.5		308	CL	271.5	273.0	0.3	20
							80	247.5	250.0		308.5	CL	273.0	274.5	0.3	20
											309	10	274.5	275.8	0.5	38
											309.5	50	275.8	277.5	0.1	6
											310	20	277.5	279.0	0.4	27
											310.5	CL	279.0	280.2	0.5	42
											311	CL	280.2	280.9	0.5	71
250.0	255.0	40	1fx	Ogsd	Heavily sheared/rotted zone Dark grey/Dark brown/black partly calcareous rock with clays	Siderite +/- ?dolomite alteration	81	250.0	252.4		311.5	CL	280.9	282.0	0.2	18
							82	252.4	253.7		312	5	282.0	283.5	0.6	40
							83	253.7	255.0		312.5	15	283.5	285.9	0.9	60

301078

C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

SHEET No. 10 of 12

TENEMENT NAME MT DONDAS No. 45/92

PLAN – MAP REFERENCE SUNNY CORNER

AMG 366237E

CO-ORDINATES 5356795N AZIMUTH 097° AMG DRILLERS DDIAS COMMENCED 1/4/96 DEPTH 380.6m HOLE No. DD96DS101

RL COLLAR 170m INCLINATION 51° DRILL TYPE LY38(1T) COMPLETED 1/5/96 CASING LEFT DPO No(s) 82161/82165

DEPTH From (M)	DEPTH To(M)	Core Rec. (%)	RQD	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by.....)
256.0	262.8	35	5x	Ogdc	Rotted grey calcarenite and dark grey/black argillaceous calcarenite with occ light grey rotted micrite units eg 259.2-261m.	Dark grey/black material in part is siderite.	5852184	255.0	256.5		
							86	256.5	259.2		
							86	259.2	261.0		
							87	261.0	262.1		
262.8	289.6	30	3x	Ogsd	Siderite and clay zone - clays may have been washed out leaving dominantly siderite. Siderite replacing limestone	Bedding 60° to c/A VV. micro calcite veining (c/l-galena) Major core loss.	88	262.1	264.9		
							89	264.9	267.0		
							90	268.5	270.0		
							91	270.0	271.5		
							92	271.6	273.0		
							93	273.0	274.5		
289.6	290.6	50	5	Ogdl	light grey weakly calcareous unit - assumed to be rotted micrite - could be rotted calcareous sandstone or dolomite.		94	274.5	275.8		
							95	275.8	277.5		
							96	277.5	279.0		
							97	279.0	280.2		
							98	280.2	282.0		
290.6	299.1	14	3x	Ogsd	Siderite and clay zone with major core loss.		99	282.0	283.5		
							5852200	283.5	285.0		
							5473801	285.0	286.5		
299.1	303.4	56	5x	Ogmu	light grey calcareous clay assumed to be a micrite unit		2	286.5	287.8		
							3	287.8	289.4		
							4	289.4	290.6		
							5	290.6	292.5		
303.4	304.5	30	4x	Ogms	Semi-massive sphalerite and galena mineralisation associated with white/cream dolomite/calcite		6	294.4	295.1		
							7	295.1	299.1		
							8	299.1	301.5		
							9	301.5	303.0		
304.5	309	20	5	Ogmu	light grey/grey clay - calcareous		10	303.0	304.5		
							11	304.5	306.0		
							12	306.0	309.0		

301079

C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

SHEET No. 11 of 12

TENEMENT NAME MT QUNDAS No. 45192

PLAN – MAP REFERENCE SUNNY CORNER

CO-ORDINATES AMG 3660237E 6356795N AZIMUTH 097° AMG DRILLERS COMMENCED 1/4/96 DEPTH 380.6m HOLE No. DD96DS101

RL COLLAR 170m INCLINATION 51° DRILL TYPE COMPLETED 1/5/96 CASING LEFT DPO No(s) 82161/82165

DEPTH From (M)	DEPTH To(M)	Core Rec. (m)	RQD	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by mag. SUS) Depth	Value	Depth	Value	Rec (from)	Rec (To)	Rec (m)	Rec (%)
309.0	315.0	46	5x	Ogdc	Grey/dark grey clays with minor siderite zones	Disseminated sphalerite and galena up to 5% in siderite altered material +/- minor calcite veining material. 313-313.5 – Core loss.	547383	309.0	312.0		313	160	328.5	10	285.0	286.5	0.5	33
							14	312.0	312.75		3135	CL	329	CL	286.5	287.8	0.5	38
							15	312.75	313.5		314	5	329.5	CL	287.8	289.1	0.9	69
							16	313.5	314.9		3145	5	330	10	289.1	290.6	0.9	60
											315	3	330.5	45	290.6	292.5	0.6	32
											3155	2	331	35	292.5	294.4	–	–
											316	CL	3325	CL	294.4	295.1	0.3	43
315.0	330.0	45	5x	Ogpo	med grained recrystallised dolomitised ? oolite unit. Grey/light grey – minor dark grey non-calc argillaceous material at top of unit. – note density – v broken core.	Cal/dol veining present. BQ core from 320m.	17	314.9	316.2		3165	2	333	CL	295.1	297.0	0.2	11
							18	316.2	317.3		317	5	333.5	CL	297.0	299.1	0.05	2
							19	317.3	318.4		3175	5	334	CL	299.1	300.0	0.5	55
							20	318.4	320.0		318	CL	3345	CL	300.0	301.5	1.0	67
							21	320.0	321.4		3185	5	335	20	301.5	303.0	0.45	30
							22	321.4	324.1		319	15	335.5	CL	303	304.5	0.5	33
							23	324.1	326.8		3195	10	336	CL	304.5	306.0	0.3	20
							24	326.8	328.5		320	2	336.5	CL	306.0	309.0	0.6	20
330.0	337.3	22	5x	Ogdc	Zone of core loss, dark clays and possible siderite alteration		25	328.5	330.0		3205	20	337	CL	309.0	312.0	1.0	33
							26	330.0	331.5		321	25	337.5	20	312.0	313.5	0.5	33
							27	331.5	334.5		3215	30	338	15	313.5	315.0	0.75	50
							28	334.5	337.3		322	25	338.5	CL	315.0	316.2	0.4	33
337.3	346.5	50	5x	Ogpo	Med grained, recrystallised dolomitised ? oolite unit	Cal/dol veg infill and veining present – minor sulphides visible.	29	337.3	340.5		3225	15	339	25	316.2	317.3	0.5	45
							30	340.5	342.0		323	30	339.5	CL	317.3	318.4	0.3	27
							31	342.0	343.5		3235	5	340	10	318.4	319.6	0.4	33
							32	343.5	345.0		324	10	3405	15	319.6	320.0	0.1	25
346.5	355.5	22	3x	Ogsd	Dark grey/black siderite unit with clay zones and cavities with zones of brown siderite	No veining. Major core loss	33	345.0	346.5		3245	10	341	30	320.0	321.4	0.7	50
							34	346.5	349.5		325	20	341.5	80	321.4	322.5	0.7	63
							35	349.5	351.0		3255	15	342	80	322.5	324.1	1.2	95
							36	351.0	352.5		326	15	342.5	18	324.1	325.6	0.9	64
							37	352.5	355.5		3265	CL	343	25	325.5	326.8	0.4	31
355.5	360.3	43	4x	Ogdl	Dark grey ? siderite +/- dolomite zone. Major core loss.		38	355.5	358.1		327	10	343.5	20	326.8	328.5	1.0	59
							39	358.1	359.7		3275	10	344	25	328.5	330.0	0.1	7
							547384	359.7	360.3		328	10	3445	15	330.0	331.5	0.5	50

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C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

SHEET No. 12 of 12

TENEMENT NAME MT DUNDAS No. 45/92

PLAN – MAP REFERENCE SUNNY CORNER

AMG 366237E

CO-ORDINATES 5356795N AZIMUTH 097° AMG DRILLERS COMMENCED 1/4/96 DEPTH 380.6m HOLE No. DD96PS101

RL COLLAR 170m INCLINATION 051° DRILL TYPE COMPLETED 1/5/96 CASING LEFT DPO No(s) 82161/82165

DEPTH From (M)	DEPTH To(M)	Core Rec. (%)	RQD	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)
360.3	361.3	100	2	Ogsd	Siderite breccia – or limestone syn-sed breccia with siderite alteration	Angular brecciated fragments	547384	360.3	361.3	
361.3	367.5	17	5x	Ogdc	Dark grey clays – non calcareous – major core loss – possible zones of siderite alteration.	3cm ?dolomitised oolite occurs between 364.5+367.5 + minor pyrite.	42	361.3	364.5	
							43	364.5	367.3	
							44	367.3	367.5	
367.5	376.5	11	5x	Ogst	Grey/dark grey quartz sandstone – very gritty and rotted – sericitic + shaved at base with clay zones.	Bedding ?55° to c/A	45	367.5	370.5	
							46	370.5	373.5	
						Major core loss	47	373.5	376.5	
376.5	376.8	100	4x	Ogst	Quartz conglomerate – silicic		48	376.5	376.8	
376.8	380.6	100	3f	Om	Lt grey/pinkish silicic quartzite – massive in places becoming more pinkish distal.	Bedding 45° to c/A.	49	376.8	378.3	
							50	378.3	379.1	
							547385	379.1	380.6	
					END OF HOLE (?)	380.6m.				

ASSAY VALUES (Analysed by MAS SUS)

Depth	Value	Depth	Value
345	20	361	90
345.5	25	361.5	10
346	CL	362	10
346.5	10	362.5	20
347	10	363	CL
347.5	10	363.5	CL
348	CL	364	CL
348.5	CL	364.5	CL
349	40	365	30
349.5	2	365.5	10
350	5	366	CL
350.5	10	366.5	CL
351	5	367	CL
351.5	CL	367.5	5
352	CL	368	2
352.5	10	368.5	CL
353	180	369	CL
353.5	100	369.5	CL
354	CL	370	CL
354.5	CL	370.5	5
355	50	371	5
355.5	10	371.5	CL
356	5	372	CL
356.5	7	372.5	CL
357	CL	373	CL
357.5	CL	373.5	5
358	15	374	4
358.5	CL	374.5	CL
359	CL	375	CL
359.5	CL	375.5	CL
360	4	376	CL
360.5	210	376.5	0

REC (from)	REC (to)	REC (m)	REC (%)
351.5	334.5	0.1	3
354.5	337.5	0.5	33
357.5	340.5	1.5	50
340.5	343.5	3.0	100
343.5	345.0	0.6	40
345.0	346.5	0.15	10
346.5	349.5	0.6	20
349.5	351.0	0.45	30
351.0	352.5	0.15	10
352.5	355.5	0.6	20
355.5	358.1	1.0	38
358.1	359.7	1.0	63
359.7	361.5	1.8	100
361.5	364.5	0.3	10
364.5	367.5	0.45	15
367.5	370.5	0.15	5
370.5	373.5	0.45	15
373.5	376.5	0.45	15
376.5	378.3	1.8	100
378.3	379.1	0.8	100
379.1	380.6	1.5	100

depth	value
377	2
377.5	0
378	2
378.5	0
379	0
379.5	2
380	0
380.5	0
E.O.H.	

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