831044

C.R.A. EXPLORATION PTY. LIM

DRILL CORE LOG

SHEET No. 2

TENEMENT NAME CONAN No.

PLAN – MAP REFERENCE

CO-ORDINATES 5362298N 360127E AZIMUTH 320° (308 mag) DRILLERS DK PARRY COMMENCED 7-7-91 DEPTH 200.0 m HOLE No. DD91CC

RL COLLAR INCLINATION -55° DRILL TYPE Boyles 37 COMPLETED 29-7-91 CASING LEFT DPO No(s) 3960-16

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ANALABS) Sn	W	Cu	Pb	Zn	Ag
0	12.0				TRICONE											
12.0	15.5	0.6	NQ		VOLCANICS	Soft core. G	931931	12.0	24.0	3.5	28	95	170	790	1150	11.0
15.5	20.0	0.9			QUARTZITE	Quartz veining Mn coating Broken core										
20.0	22.5	1.0			GREY SHALE	Broken core										
22.5	25.6	0.6			QUARTZITE	Broken core G	932	24.0	30.0	1.6	9	40	40	75	110	1.0
25.6	30.0	1.4			GREY SHALE	Bedded in part. 80° to axis G	933	30.0	39.0	3.5	9	10	35	225	175	1.2
30.0	32.0	0.8			GREY SHALE?	Nc core Sludge only										
32.0	32.8	0.3			GREY SHALE											
32.8	34.0	0.6			VOLCANICS	Soft core										
34.0	47.8	3.6			GREY SHALE	34-35m bedding parallel to core G	934	39.0	45.0	4.0	3	15	35	110	125	1.5
						At 34m " 40° " G	935	45.0	51.0	4.2	8	65	50	35	90	0.5
						At 41m " parallel " "										
						" 41.5m " 35° " "										
						" 43.5 " parallel " "										
						" 44.5 " 70° " "										
						" 45.5 " 90° " "										
						Some quartz veins occasional pyrite										
47.8	49.0	1.1			QUARTZITE	Mn coating Minor quartz veins										
49.0	49.9	0.6			GREY SHALE											
49.9	50.5	0.6			QUARTZITE		G 936	51.0	55.0	2.9	6	95	50	20	60	0.5
50.5	53.0	1.7			GREY SHALE	51.5 to 52.5 bedding parallel Core										
53.0	54.0	0.7			QUARTZITE											
54.0	56.7	2.7			GREY SHALE	At 54m bedding 90° to axis G	937	55.0	58.0	3.2	7	60	35	20	40	0.5
						" 56 " 45 " "										
						56.5 " 60 " "										
56.7	57.5	0.8			QUARTZITE	Interbedded with grey shale Tight minor folds										
57.5	59.5	1.5			GREY SHALE	At 58.5m bedding 60° to axis G	938	58.0	60.0	2.4	5	40	40	65	80	0.5
						" 57 " 45 " "										

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

SHEET No. 1 of 3

TENEMENT NAME ...ONAH... No. ...

PLAN – MAP REFERENCE ...

CO-ORDINATES ... AZIMUTH ... DRILLERS ... COMMENCED ... DEPTH ... HOLE No. DDH91 05

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

DEPTH From (M)	DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ...) Sn	W	Cu	Pb	Zn	Ag
59·5	60·5	0·9	NQ		QUARTZITE	Interbedded with grey shale										
60·5	75·0	11·4			GREY SHALE	Minor interbedded quartzite	G931939	60·0	63·0	2·9	5	55	60	25	55	0·5
						At 61m bedding 25° to axis	G 940	63·0	66·0	3·5	4	30	30	25	50	-
						" 62 " 30 " "	G 941	66·0	69·0	2·7	8	50	30	30	50	-
						" 63 " 65 " "	G 942	69·0	75·0	2·7	4	-	35	45	35	0·5
						" 64 " 20 " "										
						" 65 " 25 " "										
						" 66 " 15 " "										
						" 67 " 45 " "										
						" 69 " 45 " "										
						" 71 " 80 " "										
75·0	85·0	3·2			VOLCANICS	Poorly recd broken core	G 943	75·0	85·0	3·2	6	10	35	630	1000	0·5
						Some vesicular pumice										
						Carbonate, minor qz. veins										
85·0	88·0	1·8	BQ from 87·0m		BLACK SHALE	Contorted Abundant qz	944	85·0	88·0	1·8	20	-	30	215	145	4·0
						Minor carbonate veins										
						Some pyrite eg 87·0m										
88·0	95·3	9·2			GREY SHALE	At 93·5m bedding 45° to axis	G 945	88·0	90·0	3·1	8	30	30	135	300	1·5
						Well bedded "pyjama rock"	G 946	90·0	92·0	2·1	9	30	30	120	145	1·0
						Abundant bedded pyrite	G 947	92·0	95·3	3·2	8	60	30	50	65	-
						At 89·5m bedding 40° to core										
						" 89·5 " 55° " "										
						" 91·5 " 70 " "										
						" 94 " 70 " "										
						" 97 " 80 " "										
95·3	95·9	0·6			BLACK SHALE	Pyrite Abundant quartz & carbonate veining	948	95·3	95·9	0·6	10	-	25	110	70	1·5
95·9	101·7	5·6			GREY SHALE	Well bedded Some	G 949	95·9	98·4	3·4	20	30	50	175	120	3·0
						pyrite sections Occasional	G 950	98·4	101·7	3·5	6	70	50	50	65	0·5
						quartz veins										
						At 100m bedding 40° to core										

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

SHEET No. 3

TENEMENT NAME OORAN No. .....

PLAN – MAP REFERENCE .....

CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. D.D.81.OC.7

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

DEPTH From (M)	DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by.....) Zn	W	Cu	Pb	Zn	Ag
101·7	103·0	1·3	BQ		BLACK SHALE	Abundant quartz + carbonate	951	101·7	103·0		120	-	30	45	240	1·0
103·0	111·5	8·5			GREY SHALE	Some pyrite. Sections with	G 952	103·0	106·5	3·4	45	25	60	35	225	-
						collapse/breccia structure	G 953	106·5	109·0	2·6	16	23	50	30	100	-
						and abundant replacement quartz	G 954	109·0	111·5	2·5	13	21	50	45	90	-
						Odor parts well bedded										
						At 103·5m bedding 70° to core										
						" 111·0 " 55° "										
						" 113 " 90° "										
111·5	113·3				QUARTZITE	Quartz-pyrite veins	G 955	111·5	115·0	3·5	95	50	90	35	80	-
113·3	113·7	0·4			GREY SHALE	Well bedded (55° to core)										
113·7	115·0	1·3			QUARTZITE											
115·0	115·3	0·2			GREY SHALE		956	115·0	115·3		372	-	95	55	30	2·0
115·3	117·1	1·8			QUARTZITE	Minor grey shale	957	115·3	117·0	0·7	393	5	40	6600	245	12·0
117·1	134·0				GREY SHALE	Abundant vein pyrite	958	117·0	118·0	0·9	101	4	30	395	15	2·0
						with quartz. Fine	959	118·0	119·0	1·0	69	5	35	90	40	1·0
						quartz + carbonate vein	960	119·0	120·0	0·8	140	5	45	105	30	1·5
						At 120m bedding 40° to core	961	120·0	121·0	0·8	94	-	40	145	120	2·0
						" 122·5 " 50 "	962	121·0	122·0	0·7	60	-	120	150	2450	2·5
						" 123·5 " 50 "	963	122·0	123·0	0·9	46	7	55	105	50	3·5
						" 125·5 " 40 "	964	123·0	124·0	0·7	93	4	45	340	40	2·0
						" 129·5 " 40 "	965	124·0	125·0	0·6	26	-	45	55	25	2·0
						" 130·5 " 50 "	966	125·0	126·0	0·7	57	6	25	55	10	1·5
						" 133·5 " 70 "	967	126·0	127·0	0·6	87	-	25	35	15	0·5
134·0	136·0	0·8			BLACK SHALE	Invaded by quartz.	968	127·0	128·0	0·7	29	-	30	40	15	0·5
						Abundant pyrite	969	128·0	129·0	1·0	35	4	35	50	35	1·5
136·0	146·0				QUARTZITE	Pyrite quartz veins	970	129·0	130·0	1·0	73	-	35	65	25	1·5
							971	130·0	131·0	0·8	47	-	60	115	65	3·5
							972	131·0	132·0	0·8	5	-	2050	1900	8950	21·5
							973	132·0	134·0	1·2	61	-	25	75	35	1·0
							974	134·0	136·0	0·8	315	-	25	85	15	1·5
							975	136·0	138·0	1·1	25	-	15	45	15	-

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C.R.A. EXPLORATION PTY. LIMITED

DRILL CORE LOG

SHEET No. 4

TENEMENT NAME ..... No. .....

PLAN – MAP REFERENCE .....

CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. DD 81 OC 9

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

DEPTH From (M)	DEPTH To (M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by ACME LABS) Sn	W	Cu	Pb	Zn	Ag
146·0	149·0		BQ		BLACK SILTSTONE	Minor bedded pyrite	G 975/976	138·0	140·0	1·3	16	-	15	90	35	-
						Alteration variable oblique	G 977	140·0	146·5	2·2	-	25	55	140	40	1·5
						to core.	G 978	146·5	149·0	2·5	-	24	45	95	30	1·0
						142·5 - 145·5 only 16cm core										
149·0	152·5				GREY SILTSTONE	Well bedded. Abundant	979	149·0	149·7	0·4	205	-	340	590	325	8·5
						bedded pyrite in part										
						Quartz - pyrite vein at 150cm										
						At 150·5 m bedding 50° to core										
						" 151·5 " 30° " "										
152·5	153·3				QUARTZITE	Minor interbedded schist	G 980	149·7	153·3	3·1	20	28	55	90	40	1·5
153·3	170·2				GREY SILTSTONE	Abundant quartz veining	G 981	153·3	157·0	4·0	5	36	70	175	120	0·5
						to 157m. Minor bedded	G 982	157·0	160·5	3·6	-	17	40	135	90	1·0
						pyrite. Some interbedded	G 983	160·5	163·0	3·4	-	14	40	105	180	0·5
						quartzite Bedding	G 984	163·0	166·0	3·0	-	9	45	85	65	0·5
						variable with breccia/	G 985	166·0	170·0	4·5	6	19	40	80	55	1·0
						collapse section										
						At 156m bedding 50° to core										
						" 159 " 55° "										
						" 161·5 " parallel "										
						" 163 " 40° "										
						" 167 " 10° "										
						" 170 " 45 "										
170·2	173·0				QUARTZITE	Minor quartz, carbonate,	G 986	170·0	173·0	2·8	8	66	45	50	150	1·0
						pyrite veining										
173·0	173·7				GREY SILTSTONE	Brecciated, pyritic,	987	173·0	173·7	0·8	155	-	1650	3·42	1·45%	48·0
						Carbon - pyrite - quartz -										
						carbonate mineralization										
						173·5 - 173·7 m										
173·7	176·1				QUARTZITE	Minor grey schist, pyrite	G 988	173·7	176·1	2·7	34	64	80	50	110	0·5
176·1	181·6				GREY SILTSTONE	Minor pyrite, quartz.	G 989	176·1	179·0	3·0	27	22	50	195	170	1·5
						Bedding 40° to core	G 990	179·0	181·6	3·0	6	38	55	95	40	2·0

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

TENEMENT NAME..... No. .....
PLAN – MAP REFERENCE.....
CO-ORDINATES..... AZIMUTH..... DRILLERS..... COMMENCED..... DEPTH..... HOLE No. DDH1 OC 9
RL COLLAR..... INCLINATION..... DRILL TYPE..... COMPLETED..... CASING LEFT..... DPO No(s).....

DEPTH From (M)	DEPTH To(M)	Core Rec. (M)	Core Size	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by.....) Sn	W	Cu	Pb	Zn	Ag
181·6	184·0		BQ		QUARTZITE	Minor quartz, carbonate veining	931991	181·6	184·0	2·3	4	96	55	100	190	-
184·0	187·4				GREY SHALE	184·5 Locally parallel to core	992	184·0	187·4	3·6	13	60	60	70	55	1·5
						186·3 - 187 Narrow quartz vein, minor pyrite + carbonate										
187·4	190·5				QUARTZITE	Minor grey shale. Quartz + carbonate veins.	993	187·4	190·5	2·7	13	87	70	215	950	1·5
190·5	191·5				GREY SHALE		994	190·5	193·5	3·0	6	59	60	55	45	0·5
191·5	192·5				QUARTZITE											
192·5	193·4				GREY SHALE		995	193·5	196·5	3·2	18	63	40	20	65	0·5
193·4	200·0				QUARTZITE	Minor shale bands	996	196·5	200·0	2·8	-	59	35	30	75	-
						E.O.H. 200·0 M.										

Survey:

Depth	Azimuth	Inclination
50 m.	–	56°
100	309° mag.	53°
150	308°	50°
200	310°	47°

REPEAT ASSAYS BY AG/3 METHOD

931957						50	6650	250	18
931972						1600	1950	9750	24
931987						1550	3·25%	1·28%	54