LOGGED: A.D. McKAY

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

SHEET No. 1

TENEMENT NAME OONAH No. 11

5173·0 N
CO-ORDINATES 5171·5 E AZIMUTH 258° MAG. DRILLERS D.K. PARRY COMMENCED 2-7-80 DEPTH 343·7 m HOLE No. DD80OC-3
RL COLLAR TRIDE AND COMPASS MEASUREMENTS INCLINATION 64° DRILL TYPE BOYLES 34 COMPLETED 19-7-80 CASING LEFT DPO No(s) 26506 26507 + 508

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 AMDEL)
0·0	18·0	–			No Core						
18·0	27·0	8·4	NQ		INTERBEDDED GREY SHALES AND QUARTZITES Finely interbedded. Thickness of beds ranges up to 10cms. Minor beds of graphitic black shales. Turbidity current bedding. Soft sediment slump structures throughout. Bedding angles vary 10°-50° average 30°	Minor pyrite @ 19·0 m Core loss 0·6 m 18·0 – 21·4 m					
27·0	35·6	7·8	NQ		FAULT BRECCIA Brecciated quartzite and graphitic black shale. Core badly broken throughout	White quartz veining with minor siderite Core loss 0·9 m 25·9 – 29·0 m Core loss 1·0 m 29·0 – 31·5 m Core loss 0·7 m 33·6 – 35·0 m Minor pyrite @ 35·0 m					

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

SHEET No. 2

TENEMENT NAME OONAH No. 11

PLAN – MAP REFERENCE

CO-ORDINATES AZIMUTH DRILLERS COMMENCED DEPTH HOLE No. DD800C-3

RL COLLAR INCLINATION DRILL TYPE COMPLETED CASING LEFT DPO No(s) 26506 26507 26508

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 AMDEL) Sn	Cu	Ag	Pb	Zn	W	Au
35·6	43·9	7·4	NQ		INTERBEDDED GREY SHALES AND QUARTZITES Finely interbedded grey shales and quartzites. Laminae average < 1 cm in thickness. Minor black carbonaceous shale (turbidity current bedding) and soft sediment slump structures in places Bedding av. 45°	Fine laminae of sedimentary pyrite 39.0 – 43.9 m. Pyrite is less than 2% of rock.	819866	39·0	40·0	1·0	18	26	<4	35	490	<10	
							819867	40·0	41·0	1·0	16	20	<1	35	330	<10	
							819868	41·0	43·9	1·1	4	12	<1	25	350	<10	
43·9	46·1	1·0			BASIC TUFF AND TUFFACEOUS SANDSTONE Interbedded basic pyroclastics and tuffaceous sandstone. Rounded inclusions of black shale. Chlorite and talc as vesicle-filling Bedding 50°	Minor disseminated pyrite and chalcopyrite Core badly broken Core loss 1.2m	819869	43·9	46·1	1·0	10	32	<1	20	600	<10	

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

SHEET No. 3

TENEMENT NAME DONAH No. 11

PLAN – MAP REFERENCE

CO-ORDINATES ... AZIMUTH ... DRILLERS ... COMMENCED ... DEPTH ... HOLE No. DD 80 OC-3

RL COLLAR ... INCLINATION ... DRILL TYPE ... COMPLETED ... CASING LEFT ... DPO No(s) 26506 26507

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 26506) Sn	Cu	Ag	Pb	Zn	W	Au
46·1	53·4	7·3	NQ		INTERBEDDED GREY SHALES AND BLACK SHALES Minor thin graphite beds < 1 cm. thick Soft sediment slump structures Bedding av. 60°	Pyrite occurs as thin sedimentary bands and small patches throughout Core badly broken 52·1 – 53·1 m Core loss 0·6 m 52·1 – 53·8 m	819870	46·1	47·0	0·9	10	24	<1	30	250	<10	
							819871	47·0	48·0	1·0	14	20	<1	45	210	<10	
							819872	48·0	49·0	1·0	8	22	<1	40	420	<10	
							819873	49·0	50·0	1·0	8	30	<1	40	230	<10	
							819874	50·0	51·0	1·0	8	28	1	30	55	<10	
							819875	51·0	52·0	1·0	8	28	<1	25	90	10	
							819876	52·0	53·1	1·1	6	20	1	25	120	<10	
53·4	54·9	1·5	NQ		QUARTZ SIDERITE VEINS IN BLACK SHALE Abundant veins of quartz, siderite, pyrite. Black shale is brecciated.	Pyrite occurs in veins and fractures	819877	53·4	54·9	1·5	6	22	3	150	1600	10	
54·9	70·7	14·3	NQ		INTERBEDDED BLACK SHALES AND QUARTZITES Soft sediment slumping and brecciation Bedding 0° 53·4 – 69·2 m 80° 69·2 – 70·7 m	Minor pyrite on bedding planes Minor quartz – siderite veins Core badly broken 54·9 – 56·5 m 59·0 – 69·2 m Core loss 0·7 m 68·2 – 69·0 m	819878	54·9	56·0	1·1	10	22	3	210	100	<10	
							819879	56·0	57·0	1·0	<4	14	2	65	80	<10	

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

SHEET No. 4

TENEMENT NAME OONAH No. 11

PLAN – MAP REFERENCE

CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. DD 80 OC-3

RL COLLAR ..... INCLINATION ..... DRILL TYPE ..... COMPLETED ..... CASING LEFT ..... DPO No(s). 26506 507 508

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 AMDEL) Sn	Cu	Ag	Pb	Zn	W	Au
70·7	73·6	0·8	NQ		FAULT ZONE Brecciated black shale. Cavities and bad core loss	Core loss 2·1 m 70·7 – 73·6 m Hole cemented @ 72·8 m											
73·6	88·2	14·6	NQ TO 117·0 m BQ 117·0 m TO		BLACK SHALE Thinly bedded Mudstone in places Bedding 80°	Occasional fine laminae of sedimentary pyrite Abundant quartz siderite veining with minor pyrite 82·5 – 86·5 m	819880	83·0	84·0	1·0	10	20	1	130	400	10	
							819881	84·0	85·0	1·0	16	18	2	140	580	<10	
							819882	85·0	86·0	1·0	10	24	2	210	630	10	
88·2	93·7	4·5	EOH		BASIC TUFFS Irregular. Talc & chlorite in vesicles	Highly altered to chlorite assemblage Badly broken – Core loss											
93·7	136·5	42·8	BQ		INTERBEDDED GREY SHALES AND QUARTZITES WITH DISSEMINATED MINERALISATION Finely interbedded grey shales and micaceous quartzite. Minor black shale bands in places DYKE 93·6 – 93·7 m – fault zone	Quartz – siderite veining throughout Pyrite occurs in veins and as sedimentary layers Galena mineralisation in small veins 96·0 – 97·0 m 101·0 – 102·0 m Minor po. 101·0 – 102·0 m	819883	93·7	95·0	1·3	12	22	1	25	75	<10	
							819884	95·0	96·0	1·0	16	20	<1	360	120	<10	
							819885	96·0	97·0	1·0	44	120	46	5000	230	<10	
							819886	97·0	98·0	1·0	6	14	2	180	60	<10	
							819887	98·0	99·0	1·0	16	14	2	600	32	<10	
							819888	99·0	100·0	1·0	22	24	4	1600	30	<10	
							819889	100·0	101·0	1·0	32	34	8	4100	120	<10	
							819890	101·0	102·0	1·0	140	370	110	3·7%	180	15	
							819891	102·0	103·0	1·0	10	28	8	626	80	10	
							819892	103·0	104·0	1·0	12	26	1	110	65	<10	
							819893	104·0	105·0	1·0	14	14	1	60	26	<10	
							819894	105·0	106·0	1·0	4	26	<1	65	55	<10	

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

SHEET No. 5
TENEMENT NAME OONAH No. 11
PLAN – MAP REFERENCE

CO-ORDINATES AZIMUTH DRILLERS COMMENCED DEPTH HOLE No. DD 80 OC-3
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	Cu	Ag	Pb	Zn	W	Au
					Bedding 30° @ 94.8m	5 cm. band of sedumentary pyrite	819895	106.0	107.0	1.0	12	10	<1	85	42	<10	
					70° @ 97.0m	@ 109.4 m	896	107.0	108.0	1.0	8	12	<1	70	50	<10	
					50-60° 100.0 – 104.0m		897	108.0	109.0	1.0	8	22	1	55	48	<10	
					0° @ 110.0m		898	109.0	110.0	1.0	6	24	2	65	46	<10	
					70° 112.0 – 136.0m		899	110.0	111.0	1.0	12	22	1	20	26	<10	
							819900	111.0	112.0	1.0	16	22	2	25	14	<10	
							901	112.0	113.0	1.0	50	24	2	80	16	<10	
							902	113.0	114.0	1.0	18	28	<1	55	16	<10	
						Galena pyrite mineralization in quartz siderite vein @ 132.0m	903	127.0	129.0	2.0	18	22	<1	200	65	<10	
							904	129.0	131.0	2.0	30	40	1	310	85	<10	
							905	131.0	133.0	2.0	1100	520	85	3.1%	1500	<10	
							906	133.0	135.0	2.0	14	22	8	2100	38	15	
							907	135.0	136.5	1.5	200	24	<1	110	20	<10	
136.5	181.8	45.3	BQ		BASIC TUFFS Basic tufaceous pyroclastics. Vesicular texture Rock is composed of large welded fragments of vesicular pumice Vesicles filled with calcite, chlorite + talc. Lack of stratification and sorting suggests air-fall origin for tuffs.	Calcite veining throughout V. Tuffs are altered to chlorite-rich assemblages.											

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

SHEET No. 6
TENEMENT NAME OONAH No. 11
PLAN – MAP REFERENCE

CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. DD80 OC-3
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	Cu	Ag	Pb	Zn	W	Au
					Abundant altered glass shards.												
181·8	183·7	1·9			GREY SHALE Bedding 20° @ 181·8m 70° @ 183·7 m	Quartz siderite veins with minor siderite pyrite Minor disseminated pyrite											
183·7	184·7	1·0			BASIC TUFF	Minor disseminated pyrite.											
184·7	185·8	1·1			GREY SHALES Bedding 30–40°	Minor disseminated pyrite. Quartz – siderite veining throughout.											
185·8	206·8	11·0			BASIC TUFF Regular welded fumice fragments Lack of bedding.	Calcite veining throughout. Minor quartz – siderite veining. From 200·0 – 206·8m pyrite occurs as vesicle – filling within the fumice fragments	819908	198·0	200·0	2·0	10	36	<1	190	250	10	
							909	200·0	202·0	2·0	370	24	3	1700	480	10	
							910	202·0	204·0	2·0	540	32	1	170	140	<10	
							911	204·0	206·0	2·0	820	20	2	240	120	<10	
							912	206·0	206·8	0·8	1750	22	1	180	240	10	
206·8	212·0	5·2			BLACK SHALE Small 10 cm. band of tuff @ 208·5m Bedding 30° @ 206·8m Bedding variable 0–30° throughout	Quartz siderite veining throughout Pyrite occurs in veins.	819913	206·8	208·0	1·2	480	10	1	250	26	10	
							914	208·0	210·0	2·0	310	40	5	2100	48	<10	
							819915	210·0	212·0	2·0	85	14	2	85	24	<10	

SHEET No. 7

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

TENEMENT NAME OONAH No. II

PLAN – MAP REFERENCE

CO-ORDINATES AZIMUTH DRILLERS COMMENCED DEPTH HOLE No. DD 80 OC-3

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	Cu	Ag	Pb	Zn	W	Au
212·0	239·0	27·0			INTERBEDDED GREY SHALE AND QUARTZITE		819916	212·0	214·0	2·0	26	12	2	620	640	<10	
					Finely interbedded – laminae <1 cm	Minor quartz siderite veining throughout. V. fine pyrite occurs in veins and as fine sedimentary layers	917	214·0	216·0	2·0	40	8	1	170	36	<10	
					Mudstone in places		819918	230·0	232·0	2·0	540	10	<1	10	22	10	
					Soft sediment slumping + brecciation		919	232·0	234·0	2·0	1700	16	2	15	16	<10	
					Bedding angles variable 20° – 60°		920	234·0	236·0	2·0	1050	44	1	15	14	15	
					av. 45°		921	236·0	238·0	2·0	80	16	<1	35	16	10	
							922	238·0	239·0	1·0	110	16	1	45	16	<10	
239·0	249·0	10·0			MICACEOUS QUARTZITE		819923	239·0	240·0	1·0	4450	22	1	30	26	<10	
					Dark coloured impure micaceous Quartzite	Variety containing quartz siderite pyrite chalcopyrite	924	240·0	242·0	2·0	260	6	<1	15	26	<10	
					Bedding 70°	Pyrite occurs as	925	242·0	244·0	2·0	490	2	<1	15	18	<10	
						dissemination, fine	926	244·0	246·0	2·0	340	2	<1	10	8	<10	
						sedimentary bands	927	246·0	248·0	2·0	940	2	<1	10	<2	10	
						and vein fillings	928	248·0	249·0	1·0	1050	2	1	10	4	10	
249·0	249·6	0·6			MINERALISATION IN BLACK SHALES		929	249·0	249·6	0·6	700	14	2	35	75	15	
						Stannite Ag–Pb sulphide (tetrahedrite ?) and pyrite in quartz siderite veins & small vugh with siderite crystals												

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SHEET No. 8

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

TENEMENT NAME OONAH No. 11

PLAN – MAP REFERENCE

CO-ORDINATES AZIMUTH DRILLERS COMMENCED DEPTH HOLE No. DD 80 OC-3

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	Cu	Ag	Pb	Zn	W	Au
249·6	258·0	8·4			GREY SHALES Minor quartzite bands Finely laminated soft sediment slump structure Bedding variable averages 70°	Quartz siderite veinlets throughout best developed between 249.6 – 254·0 m. Pyrite occurs in veins and as dissemination	819930	249.6	250·7	1·1	2350	14	<1	20	10	<10	
							931	250·7	252·0	1·3	180	14	<1	30	12	<10	
							932	252·0	254·0	2·0	44	42	2	30	22	<10	
							933	254·0	256·0	2·0	8	28	2	35	30	<10	
							934	256·0	258·0	2·0	14	30	3	30	20	<10	
258·0	261·4	3·4			MINERALISATION IN BLACK SHALES Abundant graphite	Abundant quartz siderite veins containing pyrite, pyrrhotite chalcopyrite Minor chlorite in veins.	935	258·0	258·9	0·9	46	28	4	45	16	<10	
							936	258·9	259·9	1·0	440	18	4	40	4	<10	
							937	259·9	261·4	1·5	7800	70	4	20	8	<10	
261·4	270·5	9·1			GREY SHALES Bedding 70°	Quartz siderite veinlets with pyrite. Visible cassiterite tetrahedrite (?) and chalcopyrite in veins between 264·3 – 264·7 m Pyrite disseminated throughout	938	261·4	263·4	2·0	370	30	2	45	6	10	
							939	263·4	264·3	0·9	1250	28	4	50	6	15	
							940	264·3	264·7	0·4	1·69%	0·57%	10	20	48	20	
							941	264·7	266·0	1·3	800	70	1	35	8	10	
							942	266·0	268·0	2·0	1350	24	<1	30	8	15	
							943	268·0	269·0	1·0	780	26	2	30	6	10	
							944	269·0	270·5	1·5	55	36	2	35	8	20	

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

SHEET No. 9
TENEMENT NAME OONAH No. 11
PLAN – MAP REFERENCE
CO-ORDINATES AZIMUTH DRILLERS COMMENCED DEPTH HOLE No. DD80 OC-3
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	Cu	Ag	Pb	Zn	W	Au
270·5	273·5	3·0			MINERALISATION IN GREY SHALES AND QUARTZITES Brecciation – possible fault zone	Abundant quartz siderite veining. Pyrite occurs in veins and as disseminations	819945	270·5	272·0	1·5	2100	18	1	20	8	10	
							946	272·0	273·5	1·5	460	14	2	25	14	<10	
273·5	277·1	3·6			BLACK SHALE Rock is mostly graphite – soft and fuggy. Bedding 30°	Minor white quartz veining. Disseminated pyrite	947	273·5	275·0	1·5	44	48	3	45	16	10	
							948	275·0	276·1	1·1	150	85	2	60	22	<10	
							949	276·1	277·1	1·0	350	250	4	50	30	35	<0·1
277·1	280·6	3·5			MINERALISATION IN BRECCIATED BLACK SHALE Brecciated shale with abundant white quartz and pyrite. Abundant graphite. Possible fault zone fuggy soft broken core	Abundant quartz pyrite veining Minor chalcopyrite	950	277·1	278·0	0·9	1450	1600	38	3000	4000	600	0·2
							951	278·0	279·6	1·6	1500	420	9	990	370	55	0·1
							952	279·6	280·6	1·0	2100	95	3	120	310	25	<0·1
280·6	285·6	5·0			BRECCIATED QUARTZITE Bedding 70°	Abundant, cyhite quartz siderite veining. Pyrite occurs in veins and as disseminations	953	280·6	281·6	1·0	65	18	1	20	18	<10	<0·1
							954	281·6	282·6	1·0	90	15	1	10	20	15	<0·1
							955	282·6	283·6	1·0	520	40	<1	25	25	15	<0·1
							956	283·6	284·6	1·0	130	6	<1	10	16	<10	
							957	284·6	285·6	1·0	210	40	1	20	30	10	
285·6	296·2	10·6			INTERBEDDED QUARTZITES AND GREY SHALES Bedding 60° 285·6 – 290·0m 20° 291·0 – 296·2m	Minor quartz siderite veining and minor pyrite.	958	285·6	287·6	2·0	22	40	1	150	48	<10	
							819959	287·6	289·6	2·0	42	38	1	50	75	<10	

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

SHEET No. 10
TENEMENT NAME OONAH No. 11
PLAN – MAP REFERENCE .....
CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. DD80 OC-3
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	Cu	Ag	Pb	Zn	W	Au
296·2	299·3	3·1			QUARTZITE	Minor siderite quartz veins	819960	297·3	299·3	2·0	65	4	<1	5	18	<10	
299·3	300·8	1·5			INTERBEDDED GREY SHALES AND QUARTZITES Thinly bedded – beds average 2 cms. Bedding 40°	Two 10 cm. bands of massive pyrite between 299·5 – 299·8 m	961	299·3	299·5	0·2	44	10	2	15	20	10	
							962	299·5	299·8	0·3	70	190	3	1300	4600	10	
							963	299·8	300·8	1·0	28	28	2	40	110	10	
300·8	314·1	13·9			QUARTZITE Minor bands of grey shale and black shale Bedding 30 – 40° av. ~~to~~ Bedding 20° 306·0 – 314·1 m	Minor fracturing with quartz siderite and minor pyrite Fracturing best developed 312·7 – 314·1m	964	300·8	302·8	2·0	26	8	1	25	60	<10	
							965	310·6	312·7	2·1	30	26	1	25	28	<10	
							966	312·7	314·1	1·4	85	10	1	20	14	<10	
314·1	326·2	12·1			BLACK SHALE Bedding 45 – 50° Core badly broken 314·1 – 316·1 m with graphitic fmg. FAULT ZONE 314·1 – 316·1 m		967	314·1	315·1	1·0	22	20	<1	35	22	<10	
							968	315·1	317·1	2·0	26	28	1	40	24	<10	
							969	317·1	319·1	2·0	34	32	3	55	40	<10	
326·2	333·2	7·0			QUARTZITE Minor black shale bands up to 2cms. Quartzite is fine grained and grey in colour Bedding 50 – 60°	Minor quartz siderite veinlets. Minor pyrite @ 326·3 m	819970	326·2	328·2	2·0	40	14	1	20	28	<10	

SHEET No. 11

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

TENEMENT NAME OONAH No. 11

PLAN – MAP REFERENCE

CO-ORDINATES ... AZIMUTH ... DRILLERS ... COMMENCED ... DEPTH ... HOLE No. DD 80 OC-3

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 ...)
333.2	334.6	1.4	BQ		BLACK SHALE Soft sediment slump structures Bedding 70°						
334.6	339.0	4.4	BQ		QUARTZITE WITH INTERBEDDED BLACK SHALE Bedding 80° Core badly broken 338.8 – 339.0 m	Minor quartz chlorite veinlets					
339.0	339.2	0.2	BQ		WHITE QUARTZ VEIN	Minor disseminated pyrite.					
339.2	343.7	4.5	BQ		QUARTZITE WITH INTERBEDDED BLACK SHALE Bedding 70°	Minor pyrite @ 343.0 m Minor white quartz veinlets.					
						E.O.H					

Aden McKay

041

042043

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

SHEET No. .....
TENEMENT NAME OONAH No. .....
PLAN – MAP REFERENCE .....
CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. DD 80 OC-3
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 .....)
						SURVEYS					
					DEPTH	AZIMUTH INCLINATION					
					0m	258° MAG 64°					
					18.0m	INSIDE RODS 62¼°					
					84.0m	246° MAG 61°					
					107.0m	247° MAG 59½°					
					134.0m	250° MAG 56½°					
					170.0m	250° MAG 55¾°					
					200.0m	253° MAG 55°					
					230.0m	INSIDE RODS 52°					
					266.0m	251° MAG 44¼°					
					300.0m	245° MAG. 45°					
				NOTE:	No consistant correction has been made to the azimuth readings to allow for possible camera error						

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042044

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

SHEET No. .....

TENEMENT NAME OONAH No. .....

PLAN – MAP REFERENCE .....

CO-ORDINATES ..... AZIMUTH ..... DRILLERS ..... COMMENCED ..... DEPTH ..... HOLE No. DD80 OC3

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	Cu	Ag
					BULKING OF ASSAYS								
								39·0	43·9	3·9	11	18	<1
								43·9	46·1	2·2	10	32	<1
								46·1	53·1	7·0	9	25	<1
								53·4	57·0	3·6	6	20	3
								83·0	86·0	3·0	12	21	2
								93·7	101·0	7·3	21	35	9
								101·0	102·0	1·0	140	310	110
								102·0	136·5	34·5	81	44	3
								198·0	206·8	8·8	555	27	1
								206·8	212·0	5·2	263	23	3
								212·0	216·0	4·0	33	10	2
								230·0	239·0	9·0	761	21	1
								239·0	240·0	1·0	0.44%	22	1
								240·0	249·0	9·0	568	3	<1
								249·0	249·6	0·6	700	14	2
								249·6	250·7	1·1	0.23%	14	<1
								250·7	259·9	9·2	92	28	3
								259·9	264·7	4·8	0.42%	515	4
								264·7	272·0	7·3	0.11%	34	1
								272·0	277·1	5·1	344	86	3
								277·1	280·6	3·5	0.47%	439	15
								280·6	289·6	9·0	127	31	1
								297·3	302·8	5·5	34	20	1
								310·6	314·1	3·5	52	20	1
								314·1	319·1	5·0	28	28	2

12·1m 0·23% Sn 217 ppm Cu 2g/t Ag

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