

# GASCOYNE PROJECT EXPLORATION RESULTS

ANNOUNCEMENT

28 JANUARY 2015

## HIGHLIGHTS

- Rockchip sampling programme over BIF returns elevated copper, lead, zinc and manganese assays.
- Aeromagnetic/radiometric survey on a 100m line spacing to aid in the geological understanding of the regional stratigraphy.
- Future work on the BIF to include diamond drilling in order to understand the stratigraphy and mineralisation at depth.

Audalia Resources Limited (ASX: **ACP**) is pleased to announce the results from the Gascoyne Project reconnaissance rockchip sampling programme carried out in October and November 2014 over all tenements.

Two rock types, the Banded Iron Formation (BIF) and the iron-stained quartz veins were targeted on this programme.

A total of 112 rock chip samples were collected and analysed for Silver (Ag), Barium (Ba), Copper (Cu), Manganese (Mn), Molybdenum (Mo), Lead (Pb), Zinc (Zn), Arsenic (As), Iron (Fe), Tantalite (Ta), Tin (Sn), Tungsten (W) and Gold (Au). Most were composites, consisting of about 10 subsamples for a total weight of 0.5 to 1.0kg. Sample numbers CW 1071 to CW1082 differ; each consisted of a single selected specimen, collected over a 200m long zone of sporadic quartz veins. These samples followed up gold values up to 0.37 ppm gold obtained from earlier rock chip sampling programme.

Significant results from this programme are tabulated below:

Sample	Cu	Pb	Zn	Mn	Mo	Fe	Ba	Au	Ag	As
Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm
<b>Detection Limit</b>	1	1	1	1	1	0.01	1	1	1	1
<b>Digest</b>	ARU/10									
<b>Analytical Finish</b>	OE	OE	OE	OE	MS	OE	MS	MS	MS	MS
CW957	505	516								
CW961				4,071						
CW964	360							7	2.53	28
CW965				7,363						
CW967				8,619		1.7				
CW978	469	1,013	647	8,484	12.1	35.55	>1000			
CW985					13				1.71	
CW989	867	992	1,759	2,385						

CW999		1,022							
CW1003			868						438
CW1004		1,445	750						
CW1005		504	358						
CW1008			1,193						
CW1012			305						
CW1015			1,037						
CW1016							7	0.33	
CW1019	249		377	6,069					
CW1023		277						0.55	
CW1024			1,327	2,589					
CW1026		544							
CW1028							61		
CW1039				1,113	56.3		>1000	82	89
CW1052	319			29.57%	37	10.41	>1000		1.42
CW1054				5,189					
CW1058					18				20
QW1059	361								
CW1063							9		
CW1065							8		
CW1071							1,230		53
CW1072							3,680	0.43	13
CW1073							34		
CW1074							24		13
CW1077									64
CW1078							25		384
CW1079							26		44
CW1080					25.8		4		17
CW1081							4		17
CW1082							16		
CW1084				6.84%		13.37			
CW1087		7,074	6,742					2.55	25
CW1095				5,219					
CW1098							6		

A full set of results and their coordinates are tabulated in Appendix 1.

There are several elevated manganese levels from this sampling. Manganese is an important pathfinder at Broken Hill silver, lead, zinc mine in New South Wales where they form haloes around the orebody.

A total of 20 rockchips were collected for thin section identification. The BIF is described as a metamorphosed strongly magnetic BIF averaging 30% magnetite with elevated levels of manganese.

The results have indicated further work is warranted on the BIF particularly around rockchip CW978 that has elevated copper, lead, zinc and manganese values. Future work planned should include diamond drilling at the CW978 location in order to understand the stratigraphy and mineralisation at depth.

Audalia also engaged GPX Surveys to fly an aeromagnetic/radiometric survey during October and November 2014 which a view to obtaining a better geological understanding of the regional stratigraphy. Flying height was 35m with 100m line spacing. Appendix 2 shows the total magnetic intensity and the radiometric images.

**Authorised by:**

**Dato Soo Kok Lim**  
**Executive Chairman**

**Competent Person’s Statement**

The information in this report that relates to Exploration Results is based on information compiled by Mr Brent Butler, who is a member of the Australasian Institute of Mining and Metallurgy. Mr Butler is a consultant geologist with 31 years’ experience as a geologist. Mr Butler has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the ‘Australasian Code for Reporting of Exploration results, Mineral Resources and Ore Reserves’ (JORC Code). Mr Butler consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

**JORC Code, 2012 Edition – Table 1**

<b>Section 1 - Sampling Techniques and Data</b>	
<b>Sampling techniques</b>	112 rockchip samples collected for gold, silver, arsenic, barium, copper, iron, manganese, Molybdenum, tin, tantalite, tungsten and zinc analyses.
<b>Drilling techniques</b>	Not applicable as no drilling has been completed for this work.
<b>Drill sample recovery</b>	Not applicable as no drilling has been completed for this work.
<b>Logging</b>	Not applicable as no drilling has been completed for this work.
<b>Sub-sampling techniques and sample preparation</b>	Not applicable as no drilling has been completed for this work.
<b>Quality of assay data and lab tests</b>	Samples were collected in the field and transported directly to Intertek laboratories in Perth for analysis. The rockchip samples were analysed with a ARU10 /MS digest for Au Ag, As, Ba, Mo, Sn, Ta & W and analysed with a ARU10/MS digest for Cu, Fe, Mn, Pb & Zn.
<b>Verification of sampling and assaying</b>	None undertaken.
<b>Location of data points</b>	Sample sites were located with a hand held GPS.
<b>Data spacing and distribution</b>	Samples sites were randomly selected.
<b>Orientation of data in relation to geological structure</b>	Not applicable as no drilling has been completed for this work.
<b>Sample security</b>	Sample security is managed by the Company. The field samples are collected in 8" by 12" calico bags and tied and then placed into a large plastic bag and tied for transportation directly to the laboratory. The assay laboratory audits the samples on arrival and reports any discrepancy to the Company.
<b>Audits or reviews</b>	No audits or review of the sampling techniques or data has been carried out.

<b>Section 2 - Reporting of Exploration Results</b>	
<b>Mineral tenement and land tenure status</b>	Audalia owns 100% of the Gascoyne Project that comprises of E09/1568-70 and E09/1824-25. All are in good standing. No security, environmental or legal issues have been noted.
<b>Exploration done by other parties</b>	BHP (2003-4), ABM Resources (2007) and Altera Resources (2008) explored the area for base metals.
<b>Geology</b>	The Gascoyne Project lies within the Gascoyne Province which is the deformed and high-grade metamorphic core zone of the early Proterozoic Capricorn Orogen. The province consists of voluminous granitoid intrusions, mantled-gneiss domes, metamorphosed and partly melted sedimentary rocks, and remobilized Archaean basement gneiss. It lies between the Archaean Pilbara Block and Yilgarn Block and tectonic trends within the Gascoyne Province wrap around the margins of these relatively stable cratons.
<b>Drill hole information</b>	Not applicable as no drilling has been completed for this work.
<b>Data aggregation methods</b>	Not applicable as no drilling has been completed for this work.
<b>Relationship between mineralisation widths and intercept lengths</b>	Not applicable as no drilling has been completed for this work.
<b>Diagrams</b>	Not applicable as no drilling has been completed for this work.
<b>Balanced reporting</b>	All results have been reported in Appendix 1 and Appendix 2.
<b>Other substantive exploration data</b>	Airborne magnetics and radiometrics (Appendix 2).
<b>Further work</b>	Interpret data plan drillhole targets.

## **Appendix One**

# **Stream Sediment Sampling Results**

Rockchip samples

Sample	East (m)	North (m)	Au	Au-Rp1	Au-Rp2	Au-Rp3	Ag	As	Ba	Cu	Fe	Mn	Mn-Rp1	Mo	Pb	Pb-Rp1	Sn	Ta	W	Zn	Description		
			ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm		ppm	ppm
			1	1	0.01	0.01	0.05	1	1	1	1	0.01	1	10	0.1	1	50	0.05	0.01	0.05		1	1
			ARU10	ARU10	ARU10	ARU10	ARU10	ARU10	ARU10	ARU10	ARU10	ARU10	ARU10	4AH	ARU10	ARU10	4AH	ARU10	ARU10	ARU10		ARU10	ARU10
MS	MS	SAA	SAA	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS			
Units																							
Detection Limit																							
Digest																							
Analytical Finish																							
CW951	368,640	7,298,610	2				0.06	5	505	38	34.12	224		4.9	25		1.02	<0.01	0.52	26	50m diameter subcropping ironstone with few saproplitic gneiss outcrops		
CW952	382,131	7,275,560	<1				<0.05	2	245	173	30.58	349		0.8	77		1.42	0.01	0.2	115	1m by 10m limonitised schist		
CW953	381,634	7,275,830	<1				<0.05	2	>1000	105	34.3	256		2.4	83		1.07	<0.01	0.13	160	Patches of limonite-stained schist in watercourse		
CW954	380,953	7,273,969	<1				<0.05	5	734	22	33.54	1,294		3.1	102		1.71	<0.01	0.12	27	30m diameter ironstone subcrop		
CW955	381,647	7,273,989	<1				<0.05	4	863	30	25.8	417		1.8	70		1.68	<0.01	0.09	14	Ironstone lag over an area of ~4ha		
CW956	383,027	7,273,440	<1				<0.05	4	606	22	28.35	252		3.5	72		2.05	<0.01	0.1	42	20m diameter ironstone rubble		
CW957	383,078	7,272,787	<1				0.07	6	158	505	39.58	148		8.2	516		0.17	<0.01	0.12	126	10m ironstone with relic foliation		
CW958	382,344	7,272,638	3				0.29	<1	33	9	0.75	123		0.8	10		4.78	<0.01	0.06	18	5m by 50cm quartz tourmaline vein		
CW959	383,322	7,272,756	<1				0.16	3	285	87	41.5	175		6.3	87		0.83	<0.01	0.75	85	Ironstone outcrop with relic foliation		
CW960	383,600	7,273,325	<1				<0.05	4	257	69	47.93	315		4.4	42		3.62	<0.01	0.24	83	10m diameter ironstone, one of several in vicinity		
CW961	371,521	7,296,473	<1				<0.05	<1	295	20	5.7	4,071		0.7	4		1.7	<0.01	0.13	21	~5m by 10cm non-magnetic BIF subcrop		
CW962	371,622	7,296,330	<1				<0.05	<1	186	8	1.95	521		1.2	4		5.04	<0.01	21.09	21	3m diameter quartz stockwork in amphibole rock		
CW963	371,516	7,296,180	<1				<0.05	<1	138	76	4.21	725		0.3	5		1.47	<0.01	0.31	48	Weakly magnetic laminated 20cm quartz amphibole band by 10m long		
CW964	371,430	7,296,532	7				2.53	28	501	360	23.89	236		3.6	22		1.51	<0.01	0.54	19	Iron-stained quartz vein as float, ~10cm thick by up to 3m long		
CW965	371,575	7,296,435	1				<0.05	1	129	48	14.36	7,363		0.7	24		4.28	<0.01	0.14	45	BIF float, up to about 15cm thick, extending for about 5m along strike		
CW966	370,810	7,296,363	<1				<0.05	4	586	23	3.72	1,428		4	62		0.32	<0.01	15.5	57	Sparse cobbles of near-insitu grey/yellow brown chert, extending south for 30m. Cainozoic?		
CW967	370,802	7,296,285	<1				<0.05	4	460	26	1.7	8,619		4	1		0.28	<0.01	4.14	12	?Manganiferous marble and brown chert, ~30m by 10m subcrop		
CW968	373,007	7,294,917	<1				<0.05	1	21	18	1.19	143		1.3	<1		0.23	<0.01	0.54	3	Iron-stained quartz vein float, derived from CW969		
CW969	373,001	7,294,912	<1				<0.05	1	7	15	1.11	190		1.1	3		0.21	<0.01	0.42	5	1m by 2m patch of iron-stained quartz vein at north end of 30m by 1m quartz vein		
CW970	366,650	7,297,029	<1				<0.05	10	300	27	11.08	1,604		2.1	7		0.33	<0.01	41.67	36	~1m by 5m subcropping chocolate brown chert		
CW971	377,119	7,281,165	<1				<0.05	3	107	96	23.15	389		1.6	7		1.42	<0.01	16.86	25	10m by 10cm subcropping magnetite rock with faintly defined bedding		
CW972	377,105	7,281,049	2				<0.05	2	28	22	3.98	171		2.1	9		0.17	<0.01	1.01	23	20cm by 30m iron-stained quartz vein striking 340°		
CW973	377,177	7,281,177	1				<0.05	2	20	30	3.26	81		4.9	3		0.17	<0.01	1.81	4	3m by 1m iron-stained section of larger quartz vein		
CW974	377,949	7,280,799	<1				<0.05	12	400	14	33.57	248		3.5	41		1.7	<0.01	<0.05	25	80m by 200m patch of ironstone subcrop		
CW975	378,037	7,280,284	<1				<0.05	16	821	132	43.38	309		3.9	69		0.19	<0.01	0.16	107	50m by 80m patch of ironstone subcrop		
CW976	376,639	7,278,004	<1				<0.05	1	48	15	2.6	91		2.4	4		0.23	<0.01	0.08	5	30cm by 20m iron-stained quartz vein striking 250°		
CW977	376,624	7,277,820	<1				0.12	2	43	19	2.75	160		1.7	7		0.18	<0.01	0.63	29	3m diameter iron-stained quartz vein. May be reversed with CW983		
CW978	376,324	7,278,402	<1				<0.05	7	>1000	469	35.55	8,484		12.1	1013		1.56	<0.01	10.2	647	10cm by 10m subcropping ?Mn-rich bed		
CW979	376,526	7,278,273	<1				<0.05	1	90	36	3.61	170		1.1	15		0.24	<0.01	0.34	11	Subcropping 50cm by 1m gossanous? Iron-stained quartz vein		
CW980	375,787	7,278,806	<1				<0.05	1	232	41	33.44	434		2.4	26		0.64	<0.01	5.23	31	30m by up to 1m thick BIF		
CW981	374,484	7,279,539	<1				<0.05	2	225	60	26.63	369		2.3	133		3.13	<0.01	13.16	80	20cm by 20m iron formation		
CW982	373,640	7,279,765	<1				<0.05	1	189	64	23.94	191		0.5	4		1.82	<0.01	2.13	20	Iron formation up to 15cm thick, extending for >50m along strike		
CW983	376,155	7,278,034	<1				<0.05	2	67	10	1.98	101		1.4	14		0.19	<0.01	0.66	3	Subcropping 50cm by 3m iron-stained quartz vein. ?May be reversed with CW977		
CW984	365,204	7,282,777	<1				<0.05	8	155	13	26.88	3,315		10.4	5		0.12	<0.01	0.32	115	Near insitu sparse limonite and vein quartz float		
CW985	365,240	7,282,731	<1				1.71	6	110	65	2.39	107		13	142		0.18	<0.01	0.77	53	30m by up to 30cm iron-stained quartz vein striking 120°		
CW986	369,183	7,284,348	<1				0.05	5	64	29	2.58	184		1.7	46		0.41	<0.01	0.06	19	10cm by 1m iron-stained quartz vein		
CW987	369,043	7,284,205	<1				0.16	<1	36	16	0.99	94		1	11		0.35	<0.01	0.06	6	Small patch of subcropping iron-stained vein quartz and quartzite		
CW988	368,721	7,284,281	<1				0.11	<1	79	24	1.86	119		0.8	33		0.33	<0.01	<0.05	5	12cm by ~1m subcropping iron-synalined quartz vein		
CW989	368,526	7,284,387	<1				0.13	2	453	867	30.24	2,385		1.5	992		0.86	<0.01	<0.05	1759	Small patch of near insitu ironstone and iron-stained vein quartz float		
CW990	368,870	7,285,061	<1				<0.05	<1	17	12	0.9	87		0.6	6		0.31	<0.01	0.11	19	30m by up to 40cm iron-stained quartz vein striking 085°		
CW991	369,205	7,285,063	<1				0.2	<1	31	50	2.67	145		1.1	23		0.84	<0.01	0.06	48	~10m long by up to 30cm subcropping iron-stained quartz vein		
CW992	383,843	7,275,066	<1				<0.05	2	299	84	41.23	240		3.1	72		0.31	<0.01	0.07	218	20m by 20cm ironstone band striking 320°, vertical dip		
CW993	383,931	7,275,155	<1				0.07	1	627	132	39.92	1,521		2.3	44		0.79	<0.01	0.1	157	20m by up to 15cm brownish black manganiferous ironstone striking 120°		
CW994	383,916	7,275,135	<1				<0.05	<1	120	34	12.07	182		0.9	23		4.7	<0.01	0.07	61	~5m by 10cm quartz vein with associated ironstone		
CW995	383,552	7,274,671	<1				<0.05	9	48	129	40.66	188		5.4	65		1.01	<0.01	0.08	122	Small patch of ironstone from crest of saproplitic schist ridge		
CW996	385,401	7,273,827	<1				<0.05	<1	7	7	1.53	75		0.8	4		0.33	<0.01	0.09	9	~15m by up to 30cm iron-stained quartz vein striking 290°		
CW997	385,233	7,273,963	3				<0.05	<1	132	121	2.38	89		1	22		0.22	<0.01	0.16	14	30cm by 10m drusy quartz vein cutting diagonally across 2m silicified shear		
CW998	385,236	7,273,965	3				0.1	<1	477	114	2.19	146		0.8	20		0.3	<0.01	<0.05	20	Greenish brown silicified 2m shear zone (hosts CW997)		
CW999	385,554	7,274,359	<1				<0.05	3	117	104	42.74	633		6.4	1022		0.05	<0.01	0.28	204	~1m diameter subcropping ironstone		

Rockchip samples

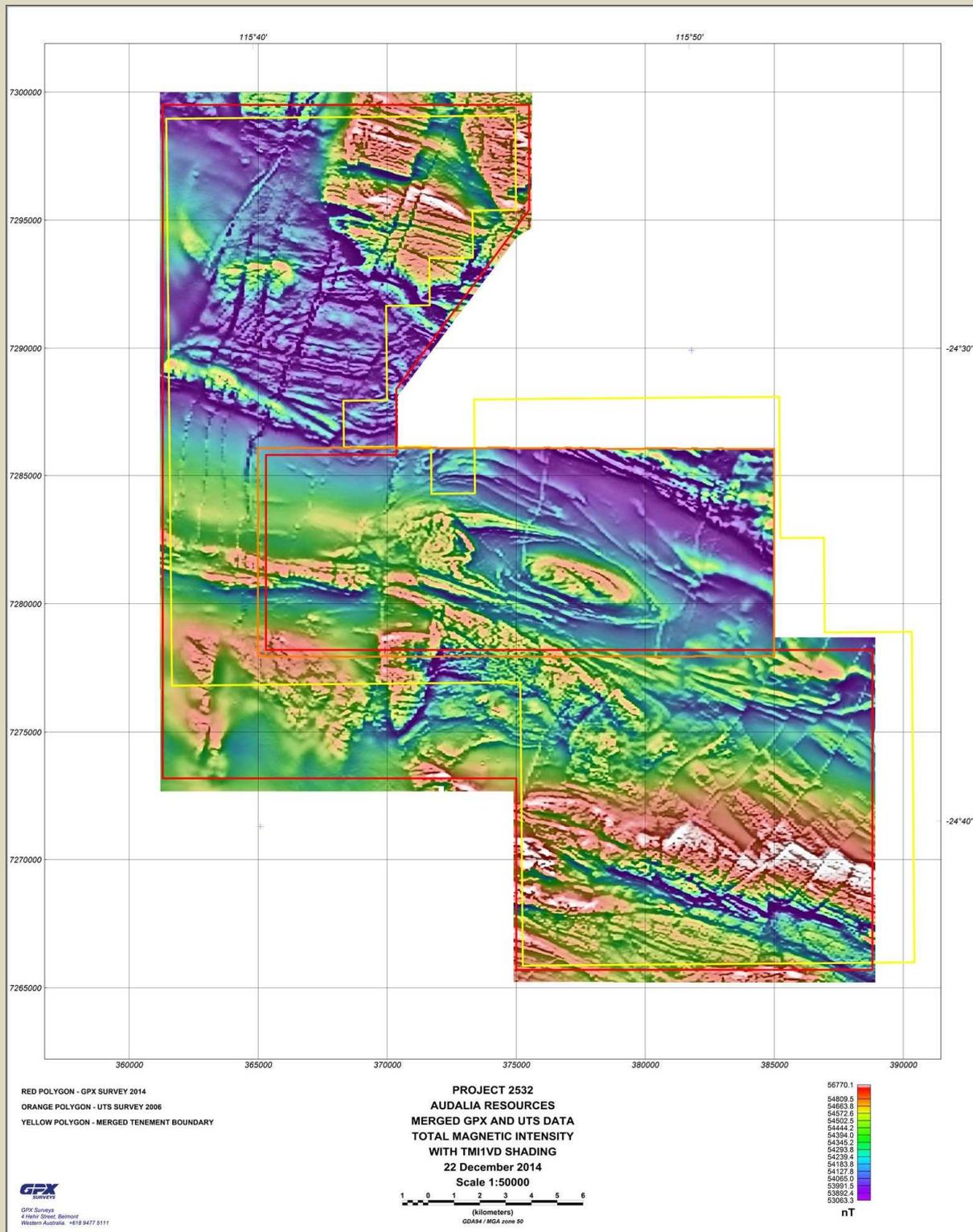
Sample	East (m)	North (m)	Au	Au-Rp1	Au-Rp2	Au-Rp3	Ag	As	Ba	Cu	Fe	Mn	Mn-Rp1	Mo	Pb	Pb-Rp1	Sn	Ta	W	Zn	Description	
			ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm		ppm
			1	1	0.01	0.01	0.05	1	1	1	1	0.01	1	10	0.1	1	50	0.05	0.01	0.05		1
			ARU10	ARU10	ARU10	ARU10	ARU10	ARU10	ARU10	ARU10	ARU10	ARU10	ARU10	4AH	ARU10	ARU10	4AH	ARU10	ARU10	ARU10		ARU10
MS	MS	SAA	SAA	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS		
CW1000	386,161	7,273,572	<1				0.11	<1	551	52	10.55	814		5.1	29		3.22	<0.01	0.33	148	30m by 50cm folded limonitic biotite schist	
CW1039	386,854	7,272,789	78	86			<0.05	89	>1000	32	34.75	1,113		56.3	43		0.68	<0.01	1.22	106	Sparse float over 10m by 5m patch of ironstone with minor vein quartz	
CW1040	384,211	7,275,633	<1				<0.05	<1	79	34	4.48	210		1.1	14		0.19	<0.01	0.11	28	4m by up to 20cm iron-stained quartz vein	
CW1041	384,221	7,275,592	2				0.05	5	286	141	24.67	286		4.7	116		0.63	<0.01	0.24	124	Folded 1m ironstone band with relic foliation, traceable for 30m	
CW1042	386,025	7,277,743	<1				<0.05	1	113	101	16.58	378		1.3	39		0.16	<0.01	<0.05	99	1m by 30m ferruginous quartz vein plus ironstone striking 360, beside pegmatite	
CW1043	386,198	7,278,200	<1				<0.05	5	215	144	34.53	301		3.4	67		0.26	<0.01	1.48	196	10m diameter ironstone with minor vein quartz	
CW1044	386,153	7,278,279	<1				<0.05	7	363	115	38.1	466		2.2	87		0.4	<0.01	1.43	197	3m by 1m ironstone	
CW1045	378,316	7,285,285	<1				<0.05	2	277	279	31.63	435		1.4	328		0.27	<0.01	<0.05	419	Subcropping ~20cm by ~10m quartz vein and associated ironstone	
CW1046	378,472	7,284,310	<1				<0.05	2	303	43	7.52	841		2.8	226		0.24	<0.01	0.36	98	3m by 12cm iron-stained quartz vein striking 1600	
CW1047	378,844	7,284,538	4				<0.05	2	280	142	31.51	121		0.9	100		0.69	<0.01	0.05	180	1m by 20m ironstone band extending 1500 from a 2m thick quartz vein	
CW1048	378,904	7,284,662	<1				<0.05	3	159	127	19.93	185		0.9	72		0.22	<0.01	<0.05	130	10m by up to 1m thick ferruginous quartz vein striking 1150 and dipping 700N	
CW1049	378,991	7,284,762	<1				<0.05	3	297	263	38.85	483		3.3	138		0.3	<0.01	<0.05	287	20m by 2m ironstone, one of several	
CW1050	378,424	7,284,222	<1				<0.05	1	364	32	2.65	143		1	14		0.23	<0.01	0.05	19	10cm by ~4m ferruginous quartz vein	
CW1051	378,346	7,283,814	<1				<0.05	4	857	183	40.17	3,502		1.5	26		0.22	<0.01	<0.05	563	10m by 50m subcropping ironstone	
CW1052	377,976	7,283,027	<1				1.42	9	>1000	319	10.41	>10000	295,714	37	64		0.34	<0.01	0.2	205	1cm psilomelane vein in weathering joint, one of several on flank of ridge	
CW1053	381,910	7,285,583	<1				<0.05	1	824	76	9.71	979		0.8	5		0.36	<0.01	0.23	43	Weakly magnetic 20cm by ~2m ferruginous banded quartzite (metachert?)	
CW1054	382,164	7,284,487	<1				<0.05	10	813	44	26.36	5,189		6	84		1.81	<0.01	0.36	19	Ironstone scattered over 30m diameter in saprolitic gneiss (mottled zone?)	
CW1055	382,253	7,284,564	<1				<0.05	5	594	17	26.92	141		2.2	47		1.35	<0.01	0.33	8	30m by 70m ironstone subcrop	
CW1056	382,261	7,284,662	<1				<0.05	7	777	91	31	248		2.4	35		0.32	<0.01	0.09	22	Irregular 2m by 10m ironstone in saprolitic gneiss	
CW1057	381,630	7,284,570	<1				<0.05	13	718	148	39.52	453		12.3	9		0.23	<0.01	1.22	160	Irregular 2m by 4m ironstone in saprolitic gneiss	
CW1058	381,784	7,284,440	<1				<0.05	20	209	169	42.91	645		18	28		0.42	<0.01	0.2	135	5m diameter ironstone float	
CW1059	381,835	7,281,441	<1				<0.05	4	518	361	38.54	226		2.1	111		0.38	<0.01	0.06	174	4m by 1m ironstone in saprolitic gneiss	
CW1060	381,761	7,281,291	<1				<0.05	1	74	39	4.85	336		1.6	6		0.2	<0.01	0.05	25	10m by up to 60cm ferruginous quartz vein in saprolitic gneiss	
CW1061	380,026	7,278,721	<1				<0.05	4	809	77	23.31	1,098		1.7	43		0.79	<0.01	<0.05	77	30m by 30cm ironstone with minor vein quartz, striking east west	
CW1062	379,826	7,278,774	3				<0.05	5	487	232	28.45	302		3.5	102		0.54	<0.01	0.05	79	20m by 3m patch of ironstone with minor quartz veining	
CW1063	379,658	7,278,874	9				<0.05	4	118	134	37.52	223		1.6	84		0.43	<0.01	0.05	197	5m by 20m subcropping ironstone in saprolitic gneiss	
CW1064	379,600	7,278,739	4				0.12	3	100	115	34.74	299		0.9	72		0.42	<0.01	0.06	162	80m diameter manganiferous(?) ironstone knoll with relic foliation	
CW1065	379,389	7,278,489	8				0.06	2	56	77	11.37	99		1.3	152		0.2	<0.01	0.07	129	10m by 30cm iron-stained quartz vein striking 1600	
CW1066	379,121	7,278,222	<1				<0.05	2	73	65	14.04	210		5.4	21		0.58	<0.01	0.08	133	~10cm folded iron-stained quartz vein, traceable for 20m along anticlinal axis of quartzite bed	
CW1067	379,073	7,278,242	2				<0.05	3	389	113	26.13	287		2.2	27		1.46	<0.01	0.81	166	~5m by 20cm ironstone with vein quartz in scree	
CW1068	378,806	7,278,331	<1				<0.05	1	373	37	10.39	121		1	8		0.22	<0.01	0.05	91	10m by up to 20cm iron-stained irregular quartz vein	
CW1069	365,282	7,283,991	<1				<0.05	<1	101	12	1.08	79		0.5	3		0.51	<0.01	0.23	9	Deformed weakly iron-stained quartz vein, average 30cm thick, extending EW for 60m	
CW1070	364,667	7,286,197	<1				<0.05	<1	11	6	1.64	113		0.9	2		0.23	<0.01	0.26	7	3m by 50cm iron-stained quartz vein	
CW1071	364,858	7,284,118	1247		1.21		0.09	53	14	9	0.65	61		1	3		0.14	<0.01	0.1	11	20cm quartz vein	
CW1072	364,863	7,284,118	6247		1.63	3.17	0.43	13	54	7	0.97	87		1.1	3		0.2	<0.01	0.05	11	15cm quartz vein	
CW1073	364,878	7,284,109	34				<0.05	3	50	3	0.41	63		0.3	2		0.13	<0.01	0.09	6	Weakly iron-stained quartz vein up to 40cm thick	
CW1074	364,887	7,284,114	24				<0.05	13	5	5	0.78	79		0.7	2		0.15	<0.01	0.05	3	30cm by ~2m weakly iron-stained quartz vein	
CW1075	364,894	7,284,115	7				<0.05	7	77	4	0.54	67		0.6	3		0.16	<0.01	0.16	6	30cm iron-stained quartz vein	
CW1076	364,907	7,284,109	4				<0.05	7	81	6	0.78	155		0.9	8		0.22	<0.01	0.06	4	30cm iron-stained quartz vein	
CW1077	364,921	7,284,113	7				<0.05	64	80	16	2.63	104		1.6	9		0.16	<0.01	0.14	22	20cm iron-stained quartz vein	
CW1078	364,946	7,284,113	25				0.06	384	33	25	1.79	90		1.1	X		0.22	<0.01	0.06	18	20cm ferruginous quartz vein	
CW1079	364,965	7,284,134	26				<0.05	44	175	10	1.8	165		2.4	5		0.22	<0.01	<0.05	14	3 moderately iron-stained quartz veins with fg tourmaline, each about 20cm thick	
CW1080	364,968	7,284,107	4				<0.05	17	167	8	1.29	229		25.8	2		0.23	<0.01	0.24	3	20cm iron-stained quartz vein	
CW1081	364,986	7,284,112	4				<0.05	24	29	7	1.28	95		0.8	1		0.21	<0.01	0.24	4	25cm iron-stained quartz vein with fg tourmaline selvage	
CW1082	365,047	7,284,108	16				<0.05	3	50	5	0.64	139		3.4	1		0.2	<0.01	0.05	2	Subcropping iron-stained ~30cm quartz vein with muscovite films	
CW1083	369,331	7,289,966	<1				<0.05	<1	33	7	0.99	134		0.5	2		0.13	<0.01	<0.05	10	8cm banded quartz tourmaline rock, traceable for > 50m along strike	
CW1084	368,617	7,290,083	1				<0.05	2	200	127	13.37	>10000	68,439	1.5	5		1.27	<0.01	0.42	32	5cm thick magnetite BIF subcrop and float	
CW1085	363,331	7,281,703	<1				0.07	4	118	50	22.57	246		3.4	53		0.75	<0.01	4.74	25	Subcropping BIF <10cm thick? Repeat of CW877.	
CW1086	363,331	7,281,703	<1				<0.05	2	76	83	25.36	581		2	100		1.03	<0.01	2.03	70	As above, but with abundant quartz stringers	

Rockchip samples

Sample	East (m)	North (m)	Au	Au-Rp1	Au-Rp2	Au-Rp3	Ag	As	Ba	Cu	Fe	Mn	Mn-Rp1	Mo	Pb	Pb-Rp1	Sn	Ta	W	Zn	Description
			ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
			1	1	0.01	0.01	0.05	1	1	1	0.01	1	10	0.1	1	50	0.05	0.01	0.05	1	Units
			ARU10	ARU10	ARU10	ARU10	ARU10	ARU10	ARU10	ARU10	ARU10	ARU10	4AH	ARU10	ARU10	4AH	ARU10	ARU10	ARU10	ARU10	Digest
			MS	MS	SAA	SAA	MS	MS	MS	OE	OE	OE	MS	OE	OE	MS	MS	MS	MS	MS	Analytical Finish
CW1087	363,331	7,281,703	2				2.55	25	47	252	10.91	372		8.2	>5000	7074	0.73	<0.01	7.94	674	As for CW1085, but ferruginous vein quartz in or near BIF, possibly gossanous
CW1088	363,271	7,281,624	<1				<0.05	4	323	101	20.96	457		3	62		0.8	<0.01	4.13	71	10cm by 3m non-magnetic BIF
CW1089	363,447	7,281,597	5				0.14	6	123	151	10.42	502		2.9	98		1.26	<0.01	7.65	31	3m by up to 2cm non-magnetic BIF
CW1090	363,383	7,281,794	1				0.06	5	534	211	22.4	415		8.4	94		1.13	<0.01	1.72	72	Subcropping 10cm non-magnetic BIF traceable for >20m along strike
CW1091	363,603	7,281,521	<1				<0.05	1	53	8	1.32	472		0.9	6		0.2	<0.01	0.99	6	3m by 1m iron-stained quartz pod, hosted by pegmatite
CW1092	363,609	7,281,572	<1				0.12	2	28	5	2.5	346		1.2	3		0.15	<0.01	3.42	3	5m by up to 1m iron-stained quartz pod
CW1093	363,815	7,281,053	<1				<0.05	<1	246	3	0.83	140		0.4	<1		0.55	<0.01	0.88	4	50m by up to 1m subcropping brecciated post-tectonic quartz vein
CW1094	363,363	7,261,137	<1				<0.05	<1	48	7	0.67	119		1	1		0.26	<0.01	0.13	2	20cm by 1m quartz vein with possible lead mineralisation
CW1095	362,689	7,281,692	<1				<0.05	6	701	194	29.86	5,219		11.3	18		1.02	<0.01	3.94	74	Manganiferous ironstone subcrop
CW1096	362,084	7,281,796	<1				0.12	3	184	42	28.56	847		6.2	8		0.9	<0.01	2.91	25	40m by 10cm BIF
CW1097	370,897	7,278,843	1				<0.05	<1	59	15	8.19	637		0.6	<1		3.89	<0.01	0.82	15	15m by up to 1m thick ferruginous banded chert
CW1098	369,500	7,278,351	6				0.46	<1	993	8	1.44	99		1	3		1.28	<0.01	0.36	1	Small patch of subcropping iron-stained quartz vein, <5m long, <30cm thick
CW1099	369,433	7,277,530	1				0.15	<1	26	4	0.46	75		0.5	1		1.67	<0.01	0.05	2	15m by up to ~1m thick light red-brown quartz vein, striking 2000
CW1100	369,367	7,277,181	<1				<0.05	<1	62	3	0.43	98		0.3	<1		0.19	<0.01	<0.05	4	50m by 30cm irregular, post-tectonic(?) quartz vein, striking 3500

## **Appendix Two**

### **Magnetic and Radiometric images**



**Figure 1: Total magnetic intensity image**

