

## ASX Announcement

### HATCHES CREEK DUMP SAMPLING CONFIRMS POYMETALLIC POTENTIAL

#### Highlights

- 138 samples collected across 14 prospects
- Ore grade tungsten mineralisation identified in all prospects
- Significant copper mineralisation also identified at Copper Show and Silver Granites, while Pioneer samples also recorded anomalous gold assays
- Research indicates that mining at Pioneer continued into the 1970s, well beyond previous records of 1960.
- Maiden RC drilling program to commence on high priority targets in early November

GWR Group Limited (ASX: GWR) (“GWR” or “the Company”) is pleased to announce that it has successfully completed a dump sampling program at the Hatches Creek Tungsten Project (“the Project”) in the Northern Territory.

The dump sampling program has identified significant polymetallic potential across the project that will be the subject of a new drill campaign, due to commence in early November.

#### Dump Sampling Program

The sampling program involved the assessment of mining dumps that were thought to be established between 1915 and the early 1970s. Numerous prospects were mined by underground methods to shallow depths, with ore and waste stockpiles located close to the shaft collars.

GWR used the results of an unmanned aerial vehicle survey (UAV) undertaken in mid-2015 to identify and target previously unsampled dumps from 14 of the historic prospects and sampled the dumps. The samples, which weighed between 5-15 kg and averaged 9 kg were then dispatched to Perth for multi-element analysis.

128 of the 138 samples assayed greater than 0.10% WO<sub>3</sub>, with numerous results above 0.50% WO<sub>3</sub>. 12 of the samples returned high grade tungsten results of greater than 1.0% WO<sub>3</sub>.

The following prospects contained very significant results that will be prioritised for future work:

**Pioneer** – Anomalous tungsten mineralisation up to 0.9% WO<sub>3</sub> and gold mineralisation up to 1.19 g/t Au. The average grade across all the samples was 0.38% WO<sub>3</sub> and 0.39 g/t Au;

**White Diamond** – Of the six samples collected from this prospect, all were above 0.5% WO<sub>3</sub> and three of them were greater than 1.0% WO<sub>3</sub> (maximum 1.64% WO<sub>3</sub>), and

**Copper Show** – Four of the five samples collected at Copper Show recorded very high tungsten assays of 3.47% WO<sub>3</sub>, 2.36% WO<sub>3</sub>, 1.33% WO<sub>3</sub> and 1.11% WO<sub>3</sub>. These four samples also assayed high grade copper, with a range of 1.0% Cu to 3.7% Cu, with an approximate correlation between the copper and tungsten grades.

Full assay results are shown in Table 1.

#### Research on historical mining areas

Hatches Creek was a large historical tungsten mining area, with numerous shafts and dump sites across the project area. The largest prospect was believed to be the Pioneer Mine, where an operation including a 50-person camp was established.

Recent research by GWR has identified that the mining operation at Pioneer continued well beyond the previously thought date of 1960, with evidence showing the mine was operational up until the early 1970s.

The research has also identified that the development of underground workings was more significant than previously thought, with at least one further level may have been developed below the previously known workings.

The Company has now commenced a more detailed search of for records within the Northern Territory Mines Department and other sources aimed at identifying further information on Pioneer and the other prospects.

### Drilling to commence shortly

GWR has received approvals for a drilling program at Hatches Creek, with a drilling contractor scheduled to mobilise to site in early November.

The drill program will test targets at 10 of the historical mines; including Pioneer, Hit or Miss, Treasure, Copper Show, Black Diamond and Bonanza.

GWR's Chief Executive Officer, Craig Ferrier, said *"The Hatches Creek project offers significant potential for polymetallic mineralisation, not just tungsten. The sheer number of dumps sampled and the anomalous results received give us confidence that we are onto a project with demonstrated potential to be of a considerable size."*

*"While previous information provided a glimpse of an interesting project, the sampling results and recent research indicate what looks like a previously hidden treasure of potential."*

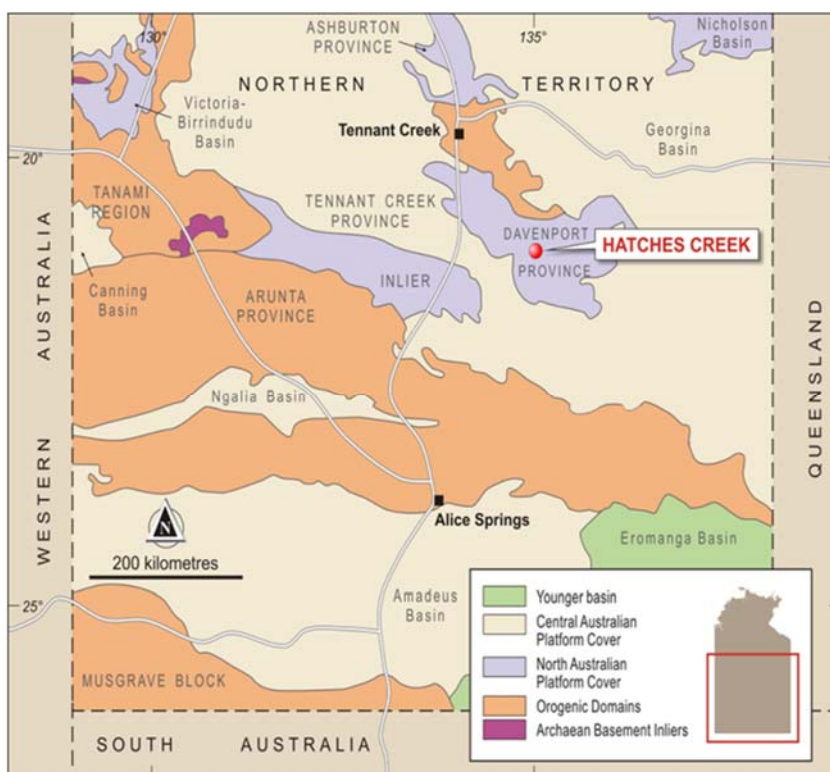


Figure 1: Hatches Creek Location Plan

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## Competent Person's Statement

*The information in this report which relates to Exploration Targets, Exploration Results and Mineral Resources or Ore Reserves is based on information compiled by Mr Allen Maynard, who is a Member of the Australian Institute of Geosciences ("AIG"), a Corporate Member of the Australasian Institute of Mining & Metallurgy ("AusIMM") and independent consultant to the Company. Mr Maynard is the Director and principal geologist of AI Maynard & Associates Pty Ltd and has over 35 continuous years of exploration and mining experience in a variety of mineral deposit styles. Mr Maynard 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, Exploration Targets, Mineral Resources and Ore Reserves".(JORC Code). Mr Maynard consents to inclusion in the report of the matters based on this information in the form and context in which it appears.*

*Details concerning the JORC-2012 Resource Estimate for the Hatches Creek Tungsten Project (including table 1 report) and referred to in this announcement are set out in the ASX announcement of Arunta Resources Ltd dated 23 September 2014.*

# Appendix 1

## Hatches Creek

### Summary of Dump Sampling Results

SampID	Prospect	MGANorth	MGAEast	Weight (Kg)	WO3 (%)	Au (ppm)	Ag (ppm)	Cu (%)	Bi (ppm)
HCD01001	Kangaroo	7685925	518963	14.0	0.209	<0.01	0.1	0.014	227
HCD01002	Kangaroo	7685935	518979	15.0	0.153	<0.01	<0.1	0.006	189
HCD01003	Kangaroo	7685886	518896	12.0	0.610	<0.01	0.1	0.015	157.5
HCD01004	Kangaroo	7685902	518804	11.0	0.078	<0.01	<0.1	0.014	61
HCD01005	Kangaroo	7685884	518732	11.0	0.654	<0.01	<0.1	0.008	17
HCD01006	Kangaroo	7685807	518798	13.0	0.142	<0.01	<0.1	0.010	205
HCD01007	Kangaroo	7685782	518724	13.0	0.060	<0.01	<0.1	0.031	89
HCD01008	Kangaroo	7685838	518726	10.0	0.179	<0.01	<0.1	0.011	15.5
HCD01009	Kangaroo	7685996	518901	13.0	0.108	0.02	<0.1	0.001	190.5
HCD01010	Kangaroo	7686016	518862	11.0	0.177	0.02	0.1	0.002	185
HCD01011	Kangaroo	7686009	518844	9.0	0.048	<0.01	<0.1	0.006	105.5
HCD01012	Kangaroo	7685988	518825	12.0	0.301	<0.01	<0.1	0.005	46.5
HCD01013	Silver Granite	7685673	519437	9.0	0.209	<0.01	0.1	0.044	55.5
HCD01014	Silver Granite	7685584	519323	11.0	0.310	<0.01	1.4	1.193	630.5
HCD01015	Silver Granite	7685593	519341	9.0	0.552	<0.01	3.2	2.907	565
HCD01016	Kangaroo	7685527	518228	6.0	1.542	<0.01	0.1	0.067	16
HCD01017	Kangaroo	7685540	518364	10.0	0.168	<0.01	0.2	0.017	16.5
HCD01018	Kangaroo	7685604	518305	5.0	0.083	<0.01	<0.1	0.021	76
HCD01019	Hit or Miss	7685759	519709	11.0	0.573	<0.01	0.1	0.108	32.5
HCD01020	Hit or Miss	7685762	519617	13.0	0.184	<0.01	0.2	0.042	32.5
HCD01021	Hit or Miss	7685696	519488	9.0	0.180	<0.01	0.2	0.122	82.5
HCD01022	Hit or Miss	7685767	519485	11.0	0.323	0.09	0.7	0.024	2047
HCD01023	Hit or Miss	7685679	519606	8.0	0.377	<0.01	0.1	0.039	49.5
HCD01024	Hit or Miss	7685678	519666	9.0	1.171	<0.01	1.5	2.066	2766.5
HCD01025	Hit or Miss	7685654	519675	8.0	0.550	<0.01	0.2	0.150	72
HCD01026	Hit or Miss	7685649	519606	7.0	0.160	<0.01	<0.1	0.043	19
HCD01027	Hit or Miss	7685529	519636	7.0	0.313	<0.01	<0.1	0.048	37.5
HCD01028	Hit or Miss	7685559	519577	6.0	0.276	<0.01	<0.1	0.089	22
HCD01029	Hit or Miss	7685621	519656	11.0	0.306	<0.01	0.2	0.092	75
HCD01030	Hit or Miss	7685631	519622	7.0	0.154	<0.01	0.1	0.073	26.5
HCD01031	Hit or Miss	7685601	519633	9.0	0.156	<0.01	0.1	0.078	21.5
HCD01032	Hit or Miss	7685624	519514	8.0	0.507	<0.01	0.2	0.034	452
HCD01033	Hen and Chickens	7686159	520605	10.0	0.767	<0.01	0.2	0.042	50.5
HCD01034	Hen and Chickens	7686208	520605	9.0	0.420	<0.01	0.1	0.087	33
HCD01035	Hen and Chickens	7686228	520617	8.0	0.230	0.04	0.2	0.030	23.5
HCD01036	Hen and Chickens	7686335	520595	9.0	0.434	<0.01	0.1	0.020	18.5
HCD01037	Hen and Chickens	7686328	520573	6.0	0.619	<0.01	<0.1	0.009	15.5
HCD01038	Hen and Chickens	7686336	520552	6.0	0.237	<0.01	<0.1	0.023	13.5
HCD01039	Kangaroo	7685996	519080	9.0	0.039	<0.01	0.1	0.012	222
HCD01040	Kangaroo	7686097	519197	6.0	0.248	<0.01	<0.1	0.003	89.5
HCD01041	Kangaroo	7686113	519219	7.0	0.251	0.01	0.1	<0.001	481
HCD01042	Hit or Miss	7686013	519524	7.0	0.078	<0.01	0.1	0.017	186.5
HCD01043	Hit or Miss	7685947	519523	9.0	0.076	<0.01	<0.1	0.020	501
HCD01044	Hit or Miss	7685910	519567	7.0	0.219	0.04	0.3	0.022	540
HCD01045	Hit or Miss	7685831	519560	8.0	0.364	0.04	0.7	0.026	863.5

SampID	Prospect	MGANorth	MGAEast	Weight (Kg)	WO3 (%)	Au (ppm)	Ag (ppm)	Cu (%)	Bi (ppm)
HCD01046	Hit or Miss	7685883	519683	7.0	0.250	0.02	0.2	0.016	127.5
HCD01047	Hit or Miss	7685966	519614	7.0	0.318	0.03	0.5	0.017	352.5
HCD01048	Hit or Miss	7686033	519537	5.0	0.028	<0.01	0.1	0.026	50.5
HCD01049	Hit or Miss	7686052	519597	6.0	0.194	<0.01	0.1	0.018	273.5
HCD01050	Hit or Miss	7686140	519687	7.0	0.431	<0.01	0.2	0.039	1301.5
HCD01051	Hit or Miss	7686224	519730	6.0	0.734	0.01	0.1	0.008	552
HCD01052	Hit or Miss	7686031	519719	7.0	0.384	0.03	0.2	0.045	418.5
HCD01053	Hit or Miss	7685983	519710	6.0	0.243	0.05	0.3	0.523	200
HCD01054	White Diamond	7686059	520108	8.0	1.222	<0.01	0.5	0.142	3052
HCD01055	White Diamond	7686075	520092	11.0	0.828	<0.01	0.8	0.670	1231.5
HCD01056	White Diamond	7686069	520067	9.0	1.639	<0.01	0.5	0.317	251
HCD01057	White Diamond	7686164	520095	9.0	0.546	<0.01	0.2	0.020	63
HCD01058	White Diamond	7686077	520023	11.0	0.816	<0.01	0.2	0.120	34
HCD01059	White Diamond	7686214	520040	6.0	1.086	<0.01	0.1	0.018	49
HCD01060	Masters Gully	7686314	519974	9.0	0.210	<0.01	0.1	0.003	13.5
HCD01061	Masters Gully	7686289	519983	7.0	0.700	<0.01	<0.1	0.008	15
HCD01062	Masters Gully	7686362	519861	9.0	0.386	0.01	<0.1	0.004	21
HCD01063	Masters Gully	7686462	519762	9.0	0.295	0.07	<0.1	0.006	93
HCD01064	Masters Gully	7686326	519759	10.0	0.306	<0.01	<0.1	0.004	22
HCD01065	Masters Gully	7686210	519846	8.0	0.265	0.06	0.1	0.017	28
HCD01066	Masters Gully	7686426	519892	9.0	0.103	0.17	0.2	0.003	19
HCD01067	Hen and Chickens	7686413	520533	9.0	0.209	<0.01	0.2	0.029	32
HCD01068	BXB	7686094	520912	9.0	0.297	<0.01	<0.1	0.005	33
HCD01069	Treasure	7686943	519880	12.0	0.040	0.03	<0.1	0.035	19.5
HCD01070	Treasure	7687032	519967	6.0	0.268	0.01	<0.1	0.010	21
HCD01071	Treasure	7687035	519879	11.0	0.077	<0.01	0.2	0.017	39.5
HCD01072	Treasure	7687051	519898	9.0	0.077	0.11	0.2	0.013	87
HCD01073	Treasure	7686986	519718	9.0	0.081	0.02	0.2	0.006	494
HCD01074	Treasure	7686844	519573	9.0	0.170	0.01	<0.1	0.005	8.5
HCD01075	Treasure	7686800	519581	11.0	0.136	0.06	0.2	0.008	607
HCD01076	Treasure	7686799	519600	10.0	0.514	<0.01	<0.1	0.008	136
HCD01077	Treasure	7686689	519530	8.0	0.162	<0.01	0.2	0.021	222.5
HCD01078	Treasure	7686727	519532	8.0	0.048	<0.01	0.2	0.013	83
HCD01079	Treasure	7686762	519669	9.0	0.301	<0.01	<0.1	0.010	24.5
HCD01080	Treasure	7686975	519823	9.0	0.171	<0.01	0.2	0.039	79
HCD01081	Treasure	7687051	519920	10.0	0.189	<0.01	0.2	0.188	127.5
HCD01082	Treasure	7686742	519936	8.0	0.024	0.03	<0.1	0.002	158
HCD01083	Treasure	7686775	519921	8.0	0.135	<0.01	<0.1	0.003	59
HCD01084	Treasure	7686797	519910	6.0	0.969	0.05	0.2	0.052	543.5
HCD01085	Treasure	7686879	519913	11.0	0.154	0.02	0.2	0.043	496
HCD01086	Treasure	7686901	519874	10.0	0.605	<0.01	0.1	0.183	55.5
HCD01087	Treasure	7686876	519866	9.0	0.113	<0.01	0.2	0.069	52
HCD01088	Treasure	7686848	519840	7.0	0.135	<0.01	0.3	0.022	67
HCD01089	Treasure	7686819	519846	7.0	1.163	0.04	0.1	0.050	267
HCD01090	Treasure	7686794	519835	7.0	0.525	0.04	0.2	0.037	228
HCD01091	Black Diamond	7690518	519623	10.0	0.126	<0.01	<0.1	0.005	42.5
HCD01092	Black Diamond	7690606	519606	8.0	0.223	<0.01	<0.1	0.028	57
HCD01093	Black Diamond	7690574	519664	8.0	0.241	<0.01	0.3	0.148	612.5
HCD01094	Black Diamond	7690643	519559	10.0	0.412	<0.01	<0.1	0.007	51

SampID	Prospect	MGANorth	MGAEast	Weight (Kg)	WO3 (%)	Au (ppm)	Ag (ppm)	Cu (%)	Bi (ppm)
HCD01095	Black Diamond	7690659	519478	8.0	0.201	<0.01	<0.1	0.002	56
HCD01096	Black Diamond	7690644	519460	7.0	0.184	<0.01	<0.1	<0.001	21.5
HCD01097	Black Diamond	7690620	519483	8.0	0.034	<0.01	0.3	0.048	80
HCD01098	Black Diamond	7690577	519512	9.0	0.297	0.09	4.2	0.323	1948.5
HCD01099	Green Diamond	7690322	519592	12.0	0.296	<0.01	<0.1	0.003	85
HCD01100	Green Diamond	7690361	519595	10.0	0.222	0.05	2.0	0.146	2257
HCD01101	Green Diamond	7690344	519645	8.0	0.539	0.12	1.8	0.019	4905
HCD01102	Green Diamond	7690342	519558	9.0	0.043	0.03	0.2	0.002	176.5
HCD01103	Green Diamond	7690352	519569	8.0	0.676	0.08	0.4	0.009	2830.5
HCD01104	Green Diamond	7690350	519581	8.0	0.547	0.08	0.3	0.031	1101.5
HCD01105	Bonanza	7690394	519315	11.0	0.175	0.05	0.1	0.003	65.5
HCD01106	Bonanza	7690366	519271	10.0	0.804	0.06	0.1	0.001	814.5
HCD01107	Bonanza	7690436	519243	9.0	0.432	0.02	<0.1	0.001	7.5
HCD01108	Bonanza	7690413	519333	9.0	0.460	0.02	<0.1	0.003	165
HCD01109	Bonanza	7690426	519329	9.0	0.109	0.03	<0.1	0.001	221
HCD01110	Bonanza	7690437	519361	9.0	0.167	0.07	<0.1	0.001	278.5
HCD01111	Bonanza	7690433	519378	11.0	0.297	0.04	<0.1	<0.001	313
HCD01112	Bonanza	7690446	519406	6.0	0.322	0.03	<0.1	0.010	77
HCD01113	Bonanza	7690418	519345	11.0	1.154	0.08	0.2	0.002	152.5
HCD01114	Bonanza	7690404	519430	9.0	1.541	0.08	0.1	0.002	34.5
HCD01115	Bonanza	7690368	519379	9.0	0.426	0.07	<0.1	<0.001	49.5
HCD01116	Bonanza	7690301	519349	9.0	0.761	0.06	0.3	0.004	1316
HCD01117	Bonanza	7690289	519325	9.0	0.220	0.19	0.1	<0.001	531
HCD01118	Bonanza	7690330	519459	10.0	0.478	0.04	0.2	0.003	1481
HCD01119	Bonanza	7690368	519488	10.0	0.398	0.06	0.2	0.010	914.5
HCD01120	Bonanza	7690301	519261	8.0	0.237	<0.01	0.1	0.007	287
HCD01121	Bonanza	7690257	519371	7.0	0.018	0.17	0.1	0.003	15
HCD01122	Black Diamond	7690456	519535	9.0	0.077	0.07	0.2	0.011	56.5
HCD01123	Green Diamond	7690322	519745	9.0	0.616	0.08	2.1	0.192	5585.5
HCD01124	Pioneer	7692070	518799	11.0	0.620	1.19	1.5	0.131	728.5
HCD01125	Pioneer	7692117	518708	12.0	0.259	0.53	0.9	0.089	630.5
HCD01126	Pioneer	7692083	518678	11.0	0.068	0.28	0.5	0.058	268.5
HCD01127	Pioneer	7692143	518724	9.0	0.220	0.30	0.9	0.077	580
HCD01128	Pioneer	7692198	518733	12.0	0.900	0.37	2.2	0.253	1376.5
HCD01129	Pioneer	7692188	518763	10.0	0.217	0.29	0.6	0.071	828
HCD01130	Pioneer	7692232	518936	9.0	0.952	0.32	1.3	0.149	1401.5
HCD01131	Pioneer	7692258	518965	9.0	0.018	0.02	0.4	0.057	90.5
HCD01132	Pioneer	7692105	518437	9.0	0.173	0.17	0.3	0.049	281
HCD01133	Endurance	7691518	519101	9.0	0.979	0.31	0.5	0.172	1233.5
HCD01134	Copper Show	7685363	517004	9.0	1.113	0.03	1.3	1.016	24.5
HCD01135	Copper Show	7685369	516981	10.0	1.332	0.05	1.9	1.167	17
HCD01136	Copper Show	7685383	516958	7.0	0.024	<0.01	0.2	0.057	3
HCD01137	Copper Show	7685380	516913	10.0	2.355	0.09	4.1	3.698	23
HCD01138	Copper Show	7685393	516891	8.0	3.471	0.11	2.4	2.868	21.5

## Appendix 2: Hatches Creek background information

The Hatches Creek project consists of two granted tenements occupying 31.4 km<sup>2</sup> (EL22912 and EL23462), which cover the entire historic Hatches Creek tungsten mining centre. Hatches Creek is a large historical high grade tungsten mining centre where mining was undertaken between 1915 and the early 1970s. Previous



Figure 2, Pioneer Mine

recorded production is approximately 2,840 tonnes of 65% WO<sub>3</sub>.

There is a large number of historical mine workings with much of the recorded previous production coming from six groups of historical mine workings spread over an area of 20 km<sup>2</sup>. Historical production was at grades of 1% to 12% WO<sub>3</sub>, averaging 2.5% WO<sub>3</sub>, with the largest contributor being the Pioneer Group (Figure 2). The mines exploited quartz veins containing wolframite and to a lesser extent scheelite, bismuth and copper.

### JORC Code (2012) Mineral Resource

In September 2014, Arunta Resources announced a maiden Inferred Resource of 225,000 tonnes grading 0.58% WO<sub>3</sub> (0.2% lower cut off and 1.5% upper cut).

For comparison purposes, the average grade of eight major global tungsten deposits currently being explored / developed by ASX listed companies is 0.34% WO<sub>3</sub>, demonstrating that the stockpiled material is relatively high grade. The stockpiled material consists of mineralised waste, tailings and eluvial/alluvial material from the 11 largest historical mines in the Hatches Creek Tungsten Project (Figure 3), which was accumulated during the project's 42 year mining history.

The known resource could be sufficient to underpin near term production. In addition to the benefit of being a high-grade resource, the material has been previously mined, which will be a significant benefit from an operating cost perspective.

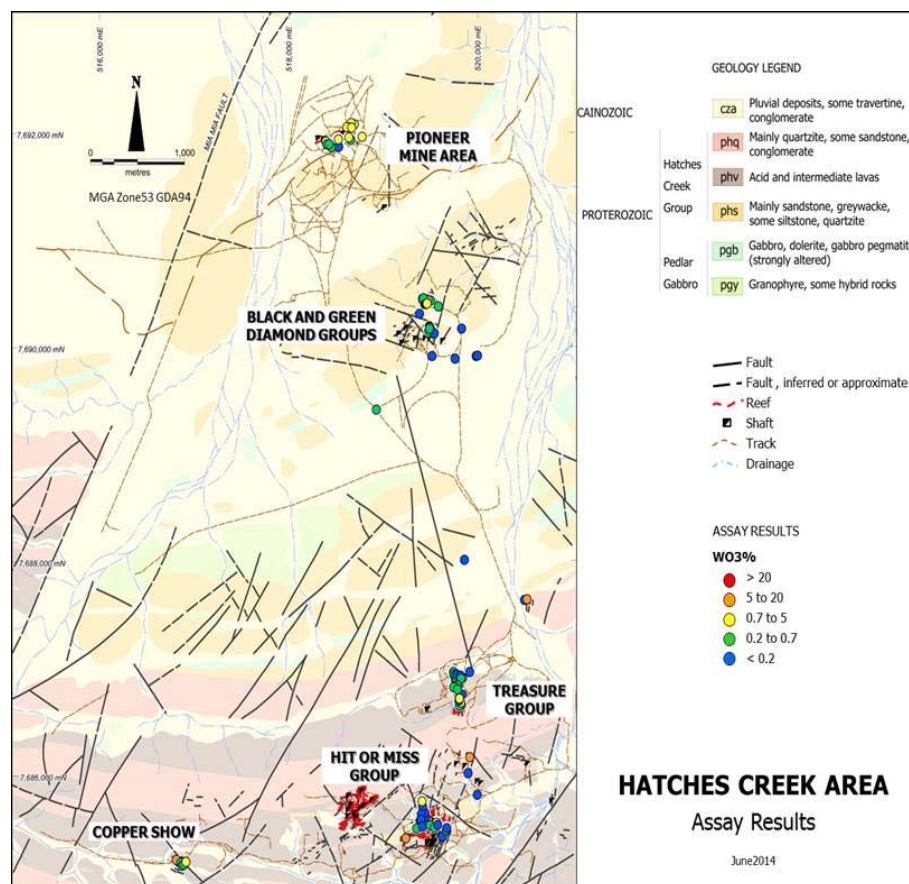


Figure 3: Major mines and dump sampling results

## Exploration Potential

There has been no substantial modern exploration or mining undertaken at Hatches Creek since 1957. Numerous historical underground mines are present that exploited high grade quartz veins containing wolframite and to a lesser extent scheelite, bismuth and copper. Workings were confined - mostly to above the water table and elsewhere to a maximum depth of only 60 m.

A comprehensive review of the Hatches Creek site was undertaken by the Bureau of Mineral Resources Geology and Geophysics (Commonwealth Government) and published in 1961. This included detailed mapping and surveying of most of the mine workings. This work suggests that the mineralisation is open at depth and the previously mined reefs show excellent continuity.

Review of this data suggests that the Hit or Miss Group is a high priority target for potential open pit mining in view of the large number of individual mineralised veins present.



## APPENDIX 3 – JORC 2012 TABLE 1

### SECTION 1: SAMPLING TECHNIQUES AND DATA

Criteria	JORC Code explanation	Commentary
Sampling techniques	<i>Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling.</i>	The dump samples were collected using a pick and shovel at random points over the profile of the dump. The average sample weight was 9kg, with samples ranging between 5 and 15kg
	<i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used</i>	Samples were collected randomly at multiple points over the profile of the dump.
	<i>Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information</i>	<p>The average sample weight was 9kg, with sample weights ranging from 5kg to 15kg in an attempt to lessen the nugget effect. Samples were submitted to Nagrom Laboratories in Perth where the following was carried out;</p> <ul style="list-style-type: none"> <li>• Dried and crushed to -6.3mm</li> <li>• A sub sample of 1kg was split of for assay and the remaining sample stored for future use</li> <li>• WO<sub>3</sub>, Sn, Fe<sub>2</sub>O<sub>3</sub>, MnO, SiO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub>, TiO<sub>2</sub>, CaO, MgO, As, P, S, Mo, Cu and Sb were all analysed using the Nagrom XRF008 technique with a lower detection limit of 0.001%</li> <li>• Bi and Ag were analysed using ICP with a lower detection limit of 0.5 and 0.1 ppm respectively</li> <li>• Au was analysed by fire assay with a lower detection limit of 0.01 ppm</li> </ul>
Drilling techniques	<i>Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).</i>	Not applicable
Drill sample recovery	<i>Method of recording and assessing core and chip sample recoveries and results assessed</i>	Not applicable
	<i>Measures taken to maximise sample recovery and ensure representative nature of the samples</i>	Not applicable
	<i>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</i>	. Not applicable

Criteria	JORC Code explanation	Commentary
<b>Logging</b>	<i>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</i>	The dump samples were logged and a rough visual estimate of lithology and mineralisation made
	<i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i>	Logging was qualitative
	<i>The total length and percentage of the relevant intersections logged</i>	All samples were logged
<b>Sub-sampling techniques and sample preparation</b>	<i>If core, whether cut or sawn and whether quarter, half or all core taken.</i>	Not Applicable
	<i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i>	The dump samples were collected using a pick and shovel at random points over the profile of the dump. The average sample weight was 9kg, with samples ranging between 5 and 15kg
	<i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i>	Samples were submitted to Nagrom Laboratories in Perth where the following was carried out; <ul style="list-style-type: none"> <li>• Dried and crushed to -6.3mm</li> <li>• A sub sample of 1kg was split of for assay and the remaining sample stored for future use</li> </ul>
	<i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i>	No QAQC procedures such as duplicates or standard samples were submit with the samples. Nagrom Laboratories carried out QAQC as per their operating procedures
	<i>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</i>	The dump samples were collected using a pick and shovel at random points over the profile of the dump. The average sample weight was 9kg, with samples ranging between 5 and 15kg
	<i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i>	The dump sample sizes are considered to be indicative but not necessarily accurate in all cases.
<b>Quality of assay data and laboratory tests</b>	<i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i>	XRF has proven to be a very accurate analytical technique for a wide range of base metals, trace elements and major constituents found in rocks and mineral materials. Glass fusion XRF is utilised for assaying, since it provides good accuracy and precision; it is suitable for analysis from very low levels up to very high levels.  ICP and Fire Assay techniques are also considered appropriate and industry standard for the elements analysed using this technique and the detection limits as stated.
	<i>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i>	Not applicable.
	<i>Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.</i>	No QAQC procedures such as duplicate or standard samples were submit with the samples. Nagrom Laboratories carried out QAQC as per their operating procedures

Criteria	JORC Code explanation	Commentary
<b>Verification of sampling and assaying</b>	<i>The verification of significant intersections by either independent or alternative company personnel.</i>	Not applicable
	<i>The use of twinned holes.</i>	Not applicable
	<i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i>	Sample locations and descriptions were recorded in a field note book and locations were also stored in a GPS
	<i>Discuss any adjustment to assay data.</i>	No adjustments were made
<b>Location of data points</b>	<i>Accuracy and quality of surveys used to locate drillholes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i>	Dump sample locations were obtained using a GPS which is estimated to have an accuracy of <5m.
	<i>Specification of the grid system used.</i>	The grid system is MGA GDA94 Zone 53.
	<i>Quality and adequacy of topographic control.</i>	High resolution aerial photogrammetry was collected in a unmanned aerial vehicle (UAV) survey undertaken in August 2015 with an accuracy of +-40mm.
<b>Data spacing and distribution</b>	<i>Data spacing for reporting of Exploration Results.</i>	Not applicable
	<i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i>	Not applicable
	<i>Whether sample compositing has been applied.</i>	Not applicable
<b>Orientation of data in relation to geological structure</b>	<i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i>	Not applicable
	<i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</i>	Not applicable
<b>Sample security</b>	<i>The measures taken to ensure sample security.</i>	Samples were collected in a 750mm by 450mm plastic sample bag, then placed in a polyweave bag and the bag sealed with a cable tie. The individual bags were then placed in a Bulka Bag and this bag was sealed with rope. The bulka bags were transported by trucking contractors to Nagrom Laboratories in Perth.
<b>Audits or reviews</b>	<i>The results of any audits or reviews of sampling techniques and data.</i>	Not applicable

## SECTION 2: REPORTING OF EXPLORATION RESULTS

Criteria	JORC Code explanation	Commentary
<p><b>Mineral tenement and land tenure status</b></p>	<p>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</p> <hr/> <p>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</p>	<p>The Hatches Creek project is located in the Northern Territory of Australia upon EL22912 and EL23463 covering a total area of approximately 31.8 km<sup>2</sup></p> <p>The registered holder of the tenements is NT Tungsten Pty Ltd, which is a 100% owned subsidiary of GWR Group Limited.</p> <p>The tenements are located upon Aboriginal Freehold Land, which is owned by the Anurrete Aboriginal Trust and administered by the Central Land Council (CLC), with whom a Deed of Exploration has been executed</p> <p>NT Tungsten holds a 100% interest in the tenements and a 1.5% net smelter royalty is payable to Davenport Resources Limited.</p> <hr/> <p>The tenements are in good standing.</p>
<p><b>Exploration done by other parties</b></p>	<p>Acknowledgment and appraisal of exploration by other parties.</p>	<p>Previous mining activities up to 1960 are well documented and are summarised in Bulletin No 6 “The Geology and Mineral Resources of the Hatches Creek Wolfram Field, Northern Territory”, G. R Ryan 1961.</p> <p>Between 2008 and 2015 the ground was held by numerous companies associated with Davenport Resources Limited and Arunta Resources Limited. There activities focused on sampling and mapping of the historical mine workings.</p>
<p><b>Geology</b></p>	<p>Deposit type, geological setting and style of mineralisation.</p>	<p>Tungsten mineralisation at Hatches Creek is associated with quartz veins in narrow shear zones within a variety of Proterozoic host rocks forming part of the Davenport Province. Wolframite and Scheelite are the dominant tungsten minerals present</p>
<p><b>Drill hole Information</b></p>	<p>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:</p> <ul style="list-style-type: none"> <li>• easting and northing of the drill hole collar</li> <li>• elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>• dip and azimuth of the hole</li> <li>• down hole length and interception depth</li> <li>• hole length.</li> </ul>	<p>Not applicable. .</p>

Criteria	JORC Code explanation	Commentary
<b>Data aggregation methods</b>	In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.	Not applicable
	Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.	Not applicable.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	Not Applicable.
<b>Relationship between mineralisation widths and intercept lengths</b>	<p>These relationships are particularly important in the reporting of Exploration Results.</p> <p>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</p> <p>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').</p>	Not applicable
<b>Diagrams</b>	Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	Not applicable
<b>Balanced reporting</b>	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	All results are provided in Appendix 1 of the report.
<b>Other substantive exploration data</b>	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	Not applicable
<b>Further work</b>	<p>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).</p> <p>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive</p>	An RC drilling program is planned as described in the announcement.