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(ASX: AJR)

## SHALLOW HIGH-GRADE TUNGSTEN RESULTS HIGHLIGHT NEAR-TERM DEVELOPMENT OPPORTUNITY AT HATCHES CREEK

*High grade Tungsten identified within substantial tonnages of surface eluvial, alluvial and mine dumps at the Hatches Creek Project*

### Highlights:

- Significant high-grade tungsten assays received from bulk 20-40kg samples from the advanced Hatches Creek Tungsten Project, NT.
- Bulk samples from extensive mine waste dumps averaged 0.73% WO<sub>3</sub> (wolframite), eluvial and alluvial bulk samples from 17 sites averaged 0.15% WO<sub>3</sub> and selected rock chips from lode (quartz) in dumps averaged 13.41% WO<sub>3</sub>.
- The results highlight the potential for substantial volumes of high-grade tungsten mineralisation at surface, which if confirmed would enable Arunta to fast-track the development of Hatches Creek.
- For comparison, the average grade of eight major global tungsten deposits currently being explored/developed by ASX-listed companies is 0.34% WO<sub>3</sub>.
- Metallurgical program underway to determine a gravity recovery flow sheet for the recovery of tungsten, with results expected in March 2014.
- Field work to resume this Quarter to determine potential volumes mineralised mine waste, tailings and eluvial/alluvial material available to support a potential mining operation.

Arunta Resources Limited (ASX: AJR) is pleased to announce that the results of an extensive sampling program at its **Hatches Creek Tungsten Project**, located 360km north-east of Alice Springs in the Northern Territory have confirmed the presence of significant high-grade material located within and adjacent to areas that were mined historically.



The Company has received the first round of results from metallurgical test work completed on bulk and grab samples of mullock, eluvial and alluvial material and selected lode material collected at Hatches Creek before Christmas, with key highlights including:

- An average grade of 0.73% WO<sub>3</sub> from samples taken from historical mine waste dumps, with individual samples grading up to 1.385% WO<sub>3</sub> and 1.034% WO<sub>3</sub>; and
- An average grade of 13.41% WO<sub>3</sub> from selected rock chips from lode (quartz) in dumps, with individual samples grading up to 38.357% WO<sub>3</sub>.
- Eluvial samples from The Black and Green Diamond groups returned the highset and most consistent results Hill averaged 0.11% WO<sub>3</sub> per tonne with a peak value of 0.45% WO<sub>3</sub> per tonne.

These results highlight the advanced and high-grade nature of the Hatches Creek Project, which encompasses a number of historically mined areas within the Hatches Creek Mineral Field. The former tungsten mines are all contained within ELs 22912 and 23463 (Figure 1), both of which are 100%-owned by Arunta.

Historical production from the field was approximately **3,000 tonnes of 65% WO<sub>3</sub> concentrates**, worth approximately A\$100 million at today's prices. The potential of Hatches Creek as a near-term development opportunity has recently been reassessed by Arunta in light of the exceptionally strong market fundamentals of tungsten.

Tungsten, also known as Wolfram, is a strategic metal which has many uses because of its hardness and very high melting point. Tungsten's many alloys have numerous applications including in specialty metals, incandescent light bulb filaments, X-ray tubes, electrodes and super-alloys, as well as in military applications.

Most commodity analysts have forecast a significant looming supply gap for tungsten due to restrictions on Chinese exports of unprocessed tungsten. Historically China has dominated the global market, producing approximately 80% of the world's mined tungsten.

Arunta's Executive Chairman, Neil Biddle, said the Company was very pleased with the results of the sampling program, which had clearly confirmed the presence of extensive shallow high-grade tungsten mineralisation at Hatches Creek.

"Hatches Creek was a very rich, high-grade tungsten mine which produced tungsten concentrates worth around \$100 million at today's prices, and may well have been one of the highest grade tungsten mines in the Western World," Mr Biddle said.

"Our recent site visit has confirmed that a significant amount of high-grade material remains in mine waste dumps, mullock dumps and alluvial and eluvial deposits on site, with significant potential to delineate deeper material with drilling.



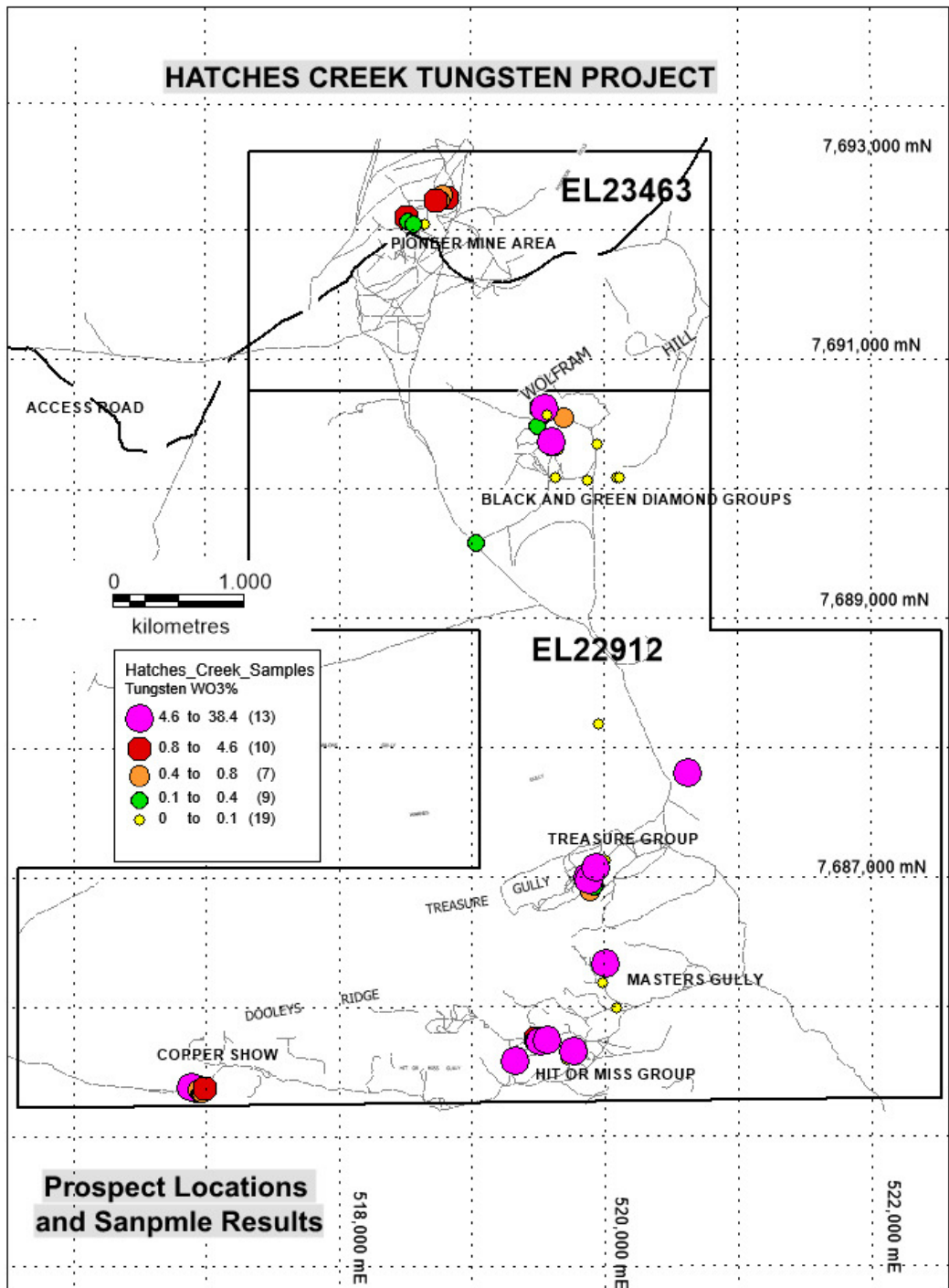


Figure 1: Prospect Location map

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"Our recent site visit has confirmed that a significant amount of high-grade material remains in mine waste dumps, mullock dumps and alluvial and eluvial deposits on site, with significant potential to delineate deeper material with drilling.

"This is a very encouraging development and provides us with an exciting opportunity to fast-track the Hatches Creek Project to take advantage of the current strong market and outlook for tungsten concentrates," he added.

"We intend to move ahead immediately with the next phase of activity at Hatches Creek, which includes metallurgical testwork and further field work to confirm the extent of the material available on site to support a potential near-term production start-up."

## HATCHES CREEK – SAMPLING RESULTS

The results reported in this announcement are derived from extensive sampling and mapping work completed at Hatches Creek in the December Quarter. The Hatches Creek Mineral Field contains 17 former tungsten mines which operated intermittently between 1915 and 1958, located within an area of 20km<sup>2</sup>.

A senior technical field team from Arunta, led by the Company's Executive Chairman Neil Biddle, visited and sampled nine of the main prospects in December. A total of 56 samples were collected (15 rock chip and 41 bulk samples, see Figure 1). Many of the samples were logged as containing significant visible wolframite (WO<sub>3</sub>) mineralisation and this has been confirmed by the high-grade assay results.

### Pioneer Mine Area

The Pioneer workings are the most significant in the Hatches Creek field, comprising numerous lodes which strike in an easterly direction and dip 45-65 degrees to the south. Numerous mullock dumps as well as battery sands occur adjacent to the Pioneer Mine. The workings extend to at least 65m below surface and strong mineralisation has been recorded in government drilling (EB Jenson, 1961).

Visible wolframite mineralisation was noted in many of the quartz rock chip samples. Historically, the Pioneer mine produced wolfram, scheelite, bismuthinite, gold and minor copper. The recorded average grade of the run-of-mine ore was **2.5% WO<sub>3</sub>**.



## Summary Results

Eight (8) bulk samples were taken at various locations within the extensive dumps and tailings associated with the old mine, with the results for WO<sub>3</sub>, Sn, Mo, Bi, Au and Ag summarised below. Pioneer Mine Battery sands were sampled and averaged **0.56% WO<sub>3</sub>** and 0.61 ppm Au. Mullock samples averaged **0.76% WO<sub>3</sub>** and 0.38 ppm Au.

Sample No	Northing GDA94/53	Easting GDA 94/53	Comment*	WO <sub>3</sub> %	Sn %	Mo %	Cu %	Bi ppm	Au ppm	Ag ppm
HCB015	7692253	518813	BS	0.838	0.002	0.025	0.157	755	0.20	<1
HCB016	7692266	518782	BS	0.791	0.002	0.01	0.184	691	0.40	1
HCB017	7692225	518763	M	0.537	0.002	0.008	0.249	1026	0.51	1
HCB018	7692227	518735	M	<b>1.385</b>	0.002	0.021	0.268	1675	0.61	4
HCB019	7692044	518647	M	0.091	0.002	0.007	0.079	280	0.27	<1
HCB020	7692094	518512	M	<b>1.034</b>	<0.001	0.033	0.077	638	0.15	<1
HCB021	7692066	518522	BS	0.276	0.004	0.008	0.145	1150	1.00	2
HCB022	7692041	518570	BS	0.351	0.002	0.007	0.152	913	0.86	2

\*BS Battery Sands, Mullock

## Black Diamond and Green Diamond Group

The “Black and Green Diamond” workings are part of what was known historically as the Central Group, which is located approximately 2km south-east of the Pioneer Group. The workings lie on a north-west trending hill known as **Wolfram Hill**.

Tungsten mineralisation in the Hatches Creek region occurs in clusters of narrow quartz veins (up to 1.5m thick and extending up to 200m in individual lenses) hosting exceptionally high-grade tungsten as wolframite crystals up to several centimetres in length.

At the Green and Black Diamond Group’s workings, all veins at old prospects and exploration pits inspected during the recent field program contained significant visible wolframite mineralisation.

## Summary Results

Eleven (11) bulk samples were collected from the Black Diamond and Green Diamond mine waste dumps and eluvial slopes below the mines as part of the Company’s recent reconnaissance work.

Mullock samples averaged 0.84% WO<sub>3</sub> with a peak value of 1.4% WO<sub>3</sub>, 0.65% Cu and 0.63% Bi. These are considered to be significant results as there is a substantial quantity of mine waste material at surface, i.e. mined material left untreated from mining in the 1940s and 1950s.

Eluvial and alluvial samples from Wolfram Hill averaged 0.11% (1.1kg/t) WO<sub>3</sub> per tonne with a peak value of 0.45% WO<sub>3</sub> per tonne. Given that tungsten concentrates currently attract prices of US\$350-400 per mtu (metric tonne unit), equivalent to US\$35-40 per kilogram, these grades are considered to be very significant and highlight the economic potential of the Hatches Creek Project.



Sample No	Northing GDA94/53	Easting GDA94/53	Comment*	WO3 %	Sn %	Mo %	Cu %	Bi ppm	Au ppm	Ag ppm
HCB023	7690574	519549	M	0.332	0.002	0.003	0.038	33	0.01	<1
HCB024	7690622	519526	M	0.810	0.004	0.005	0.194	263	<0.01	2
HCB025	7690482	519495	A	0.148	0.002	0.003	0.011	23	<0.01	<1
HCB026	7690551	519694	A	0.453	0.002	0.007	0.063	371	<0.01	<1
HCB027	7690342	519939	A	0.045	0.002	0.003	0.023	93	0.02	3
HCB028	7690086	520092	A	0.017	<0.001	<0.001	0.057	62	<0.01	1
HCB029	7690062	519868	A	0.014	0.003	0.002	0.07	45	<0.01	<1
HCB030	7690088	519625	A	0.008	<0.001	<0.001	0.011	15	<0.01	<1
HCB031	7690343	519608	M	0.838	<0.001	0.066	0.515	4686	0.11	10
HCB032	7690357	519598	M	1.378	0.006	0.038	0.648	6332	0.18	12
HCB041	7690298	519649	A	0.059	<0.001	0.003	0.033	57	<0.01	<1

\*M- Mullock, A-Alluvial

Four (4) rock chip samples of selected quartz vein material returned extremely high results.

Sample No	Northing GDA94/53	Easting GDA94/53	Comment*	WO3 %	Sn %	Mo %	Cu %	Bi ppm	Au ppm	Ag ppm
HCR008	7690623	519546	M	22.137	<0.001	0.049	0.028	23	<0.01	<1
HCR009	7690574	519564	M	0.057	0.004	0.002	0.161	2448	<0.01	2
HCR010	7690090	520105	QL	0.060	0.008	0.001	0.162	2379	<0.01	2
HCR011	7690367	519598	M	<b>38.357</b>	<b>&lt;0.001</b>	<b>0.184</b>	<b>1.32</b>	<b>4782</b>	<b>0.08</b>	<b>11</b>

### Hit or Miss Group

The “Hit or Miss Group” are part of the southern group of workings and are located approximately 5kms due south of the Pioneer Mine.

Other than the obvious wolframite mineralisation, significant molybdenite was noted in mullock at the “Hit or Miss” group of workings near Chinaman’s shaft. The workings are associated with one of the largest veins noted to date although numerous other parallel vein sets occur at the prospect.

Eluvial and Alluvial material at the Hit or Miss Group occurs on a number of steep sided gullies and creeks that drain into the Hit or Miss Area with extensive historic mine workings evident on the hillsides and within the main gully.

This area is considered to have significant economic potential. Masters Gully and Silver Granite are included in the group.

### Summary Results

Eleven (11) bulk samples from mine dumps and five (5) rock chip samples from lode material were collected from Hit or Miss, Masters Gully and Silver Granite mines.

Mine waste samples averaged 0.89% with results from the Chinaman shaft area returning the highest result of **1.78% WO<sub>3</sub>** and **0.67% Mo**.



Sample No	Northing GDA94/53	Easting GDA94/53	Comment*	WO3 %	Sn %	Mo %	Cu %	Bi ppm	Au ppm	Ag ppm
HCB007	7685756	519481	M	1.063	0.006	0.03	0.018	1632	0.06	<1
HCB008	7685745	519473	A	0.032	0.006	0.002	0.017	21	<0.01	1
HCB009	7685736	519493	M	1.776	0.006	0.671	0.237	539	0.02	<1
HCB010	7685718	519510	M	0.626	0.007	0.262	0.123	422	<0.01	<1
HCB011	7685728	519535	A	0.030	0.005	0.003	0.01	31	<0.01	<1
HCB012	7685731	519596	A	0.071	0.005	0.004	0.014	39	<0.01	<1
HCB013	7685747	519542	M	0.105	0.010	0.012	0.026	184	<0.01	2
HCB014	7685600	519709	A	0.047	0.003	0.002	0.018	32	<0.01	<1
HCB035	7686190	519984	A	0.033	0.003	0.002	0.008	30	<0.01	1
HCB036	7688182	519956	A	0.033	0.004	0.003	0.011	60	<0.01	1
HCB037	7685989	520080	A	0.053	0.006	0.003	0.014	52	<0.01	1

\*M- Mullock, A-Alluvial

Sample No	Northing GDA94/53	Easting GDA94/53	Comment*	WO3 %	Sn %	Mo %	Cu %	Bi ppm	Au ppm	Ag ppm
HCR004	7685737	519505	M	<b>9.828</b>	0.013	0.027	0.066	136	0.01	<1
HCR005	7685752	519559	M	<b>11.145</b>	0.070	0.021	<b>21.394</b>	567	0.01	9
HCR006	7685584	519323	M	<b>18.563</b>	<0.001	0.027	0.267	101	<0.01	<1
HCR007	7685656	519756	M	<b>20.691</b>	0.007	0.016	0.519	29	<0.01	2
HCR014	7686340	520004	M	<b>11.375</b>	<0.001	0.027	0.008	65	<0.01	<1

### Treasure Group

The “Treasure Group” workings cover an extensive area that occupies two valleys and the sides of the adjacent hills in the central part of the Hatches Creek Wolfram Field. The Treasure Group boasted a general store, a generator shed and large living quarters and office, the ruins of which are still evident.

Treasure Group workings appear to exhibit the purest quartz-wolfram lode with minimal copper, molybdenum or other mineralisation evident. Historical production grades here were the highest in the field with an average **head grade of 4% WO<sub>3</sub>**.

### Summary Results

Five (5) bulk samples were collected from the Treasure group mine dumps.

Sample No	Northing GDA94/53	Easting GDA 94/53	Comment*	WO3 %	Sn %	Mo %	Cu %	Bi ppm	Au ppm	Ag ppm
HCB033	7686892	519892	M	0.465	0.004	0.007	0.079	199	0.01	1
HCB034	7686925	519921	A	0.199	0.005	0.003	0.01	55	<0.01	1
HCB038	7687136	HCB038	A	0.042	0.008	0.002	0.014	20	<0.01	2
HCB039	7687080	HCB039	M	0.276	0.011	0.003	0.032	331	0.03	<1
HCB040	7687009	HCB040	M	1.692	0.009	0.014	0.033	201	<0.01	<1

\*M- Mullock, A-Alluvial

Sample No	Northing GDA94/53	Easting GDA 94/53	Comment*	WO3 %	Sn %	Mo %	Cu %	Bi ppm	Au ppm	Ag ppm
HCR012	7687002	519871	M	10.043	0.019	0.027	0.029	70	<0.01	<1
HCR013	7686983	519877	M	23.719	0.032	0.033	0.084	59	<0.01	<1
HCR015	7687080	519930	M	18.716	0.051	0.07	0.351	193	<0.01	<1

### Copper Show Group

The “Copper Show” workings were also located and are worthy of some follow up work as the main lode is easily traceable in later costeans that have been excavated. Obvious wolframite mineralisation the main lode exhibits a significant association with copper.

The prospect area is relatively flat-lying surrounded by hills, and there is a significant alluvial/eluvial cover. Only one eluvial sample was taken and returned a significant 0.24 % WO<sub>3</sub>.

Bulk samples from the mine dumps averaged a very high 2.734% WO<sub>3</sub> and is attributable to high copper ore being hand separated and retained as waste due to the inability of the old treatment plant to separate copper from tungsten.

### Summary Results

Six (6) bulk samples were collected the Copper Show Group.

Sample No	Northing GDA94/53	Easting GDA 94/53	Comment*	WO3 %	Sn %	Mo %	Cu %	Bi ppm	Au ppm	Ag ppm
HCB001	7685369	516918	M	4.646	0.036	0.041	7.496	37	0.21	8
HCB002	7685388	516892	M	6.592	0.037	0.055	8.836	41	0.3	5
HCB003	7685363	516939	M	0.602	0.010	0.004	0.487	3	0.02	<1
HCB004	7685333	516953	AE	0.237	0.002	0.003	0.026	6	<0.01	<1
HCB005	7685343	516970	M	0.682	0.010	0.014	7.126	30	0.17	10
HCB006	7685370	516993	M	1.149	0.004	0.01	0.789	10	0.02	2

\*M- Mullock, AE-Alluvial/Eluvial

### Frenchmans Point

This small group of workings is located north-east of the Treasure Group where narrow quartz veins are poorly exposed, but interestingly returned a significant rock chip of 16% WO<sub>3</sub>, 1.51% Mo and 0.31% Cu.

Sample No	Northing GDA94/53	Easting GDA 94/53	Comment*	WO3 %	Sn %	Mo %	Cu %	Bi ppm	Au ppm	Ag ppm
HCR002	7687808	520590	QL	0.093	<0.001	0.003	0.015	55	0.02	<1
HCR003	7687813	520617	QL	16.012	<0.001	1.511	0.315	2789	0.05	1

## **FUTURE WORK**

The next phase of the metallurgical program will include gravity recovery test work. Composite samples will be made up for both the mullock and alluvial/eluvial samples for jigs or tabling to determine a flow sheet for the recovery of tungsten. Results are expected in March 2014.

Field work will also resume in March and will include detailed surveying of the old mines to determine the tonnages of mineralised mine waste, tailings and eluvial/alluvial material at surface and available for any potential future mining operation.

Arunta intends to fast-track exploration activities at Hatches Creek with a view to establishing a JORC 2012 compliant resource in the near-term and investigating opportunities to bring this advanced project into production next year.

### **About Hatches Creek Mineral Field**

The Hatches Creek tenements (EL 22912 and EL 23462) cover the historical Hatches Creek mining field (Figure 2), which was known as the Hatches Creek Wolfram Field, within which numerous underground mines exploited quartz veins containing wolframite and to a lesser extent scheelite, bismuth and copper oxides, mostly to the water table or just below it and to a maximum vertical depth of only 65m.

All of the mined lodes continue at depth and of the many individual lodes none were recorded as mined out. Mining of alluvial and eluvial deposits containing wolframite, gold and copper also occurred.

The total recorded production from the Hatches Creek Wolfram Field has been 2,839.85 tonnes of wolfram and scheelite concentrates, worth about A\$100 million at today's prices. In addition, some bismuth concentrates and copper ore were produced.

In June 1956 the following mines were producing in the Company's Hatches Creek mineral field: Pioneer, Endurance, Black and Green Diamond, Hen and Chickens, Masters Gully, Hit or Miss Extended, Hit or Miss, and several other lodes on the Hit or Miss lease, Silver Granites, Kangaroo, Lady Hamilton, and Copper Show. In addition, prospectors were active on the Kangaroo Group.

The field closed in 1958 and has remained virtually untouched until the present day. Several companies have held the tenements since this time, predominantly with a gold focus and limited exploration has been carried out.



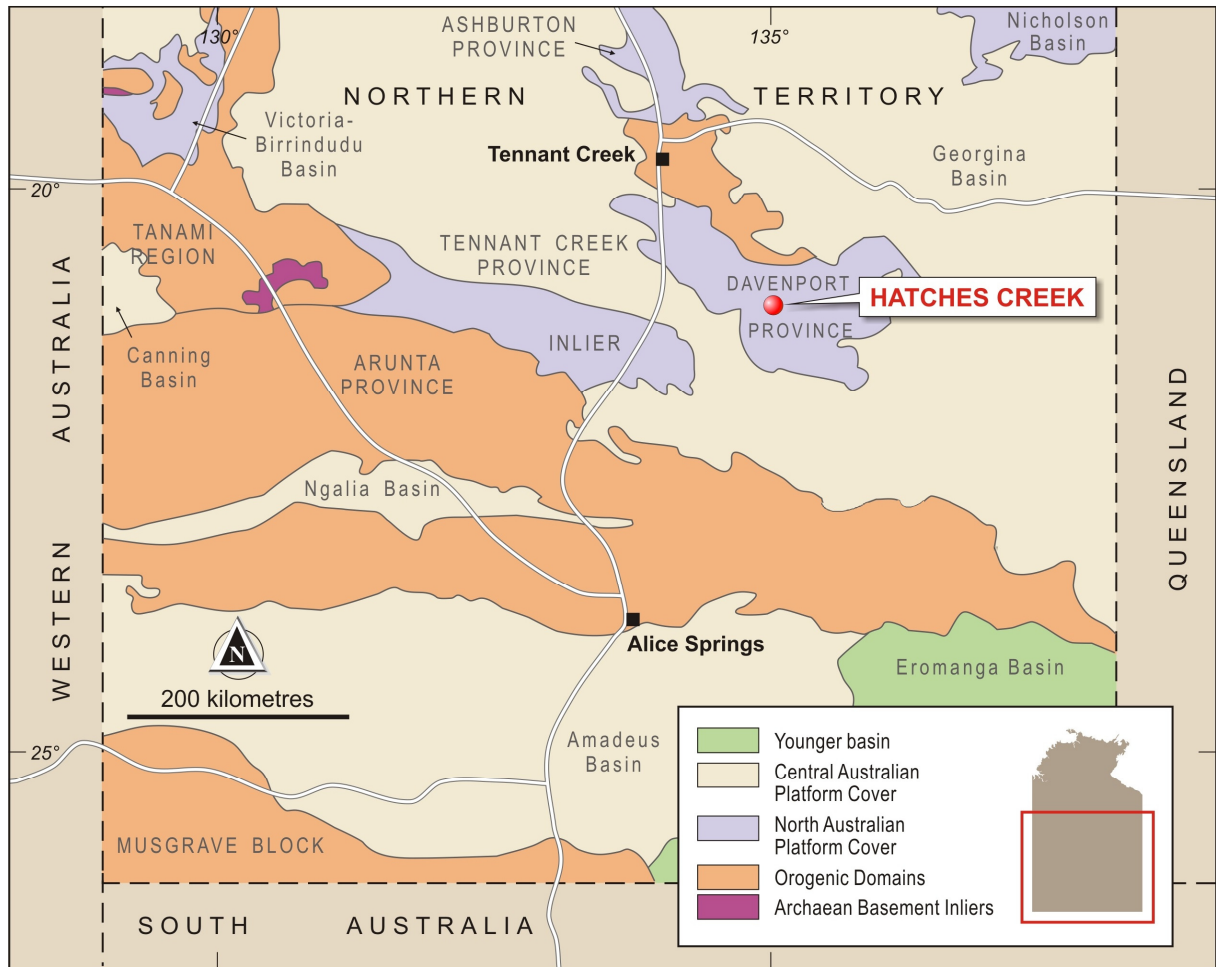


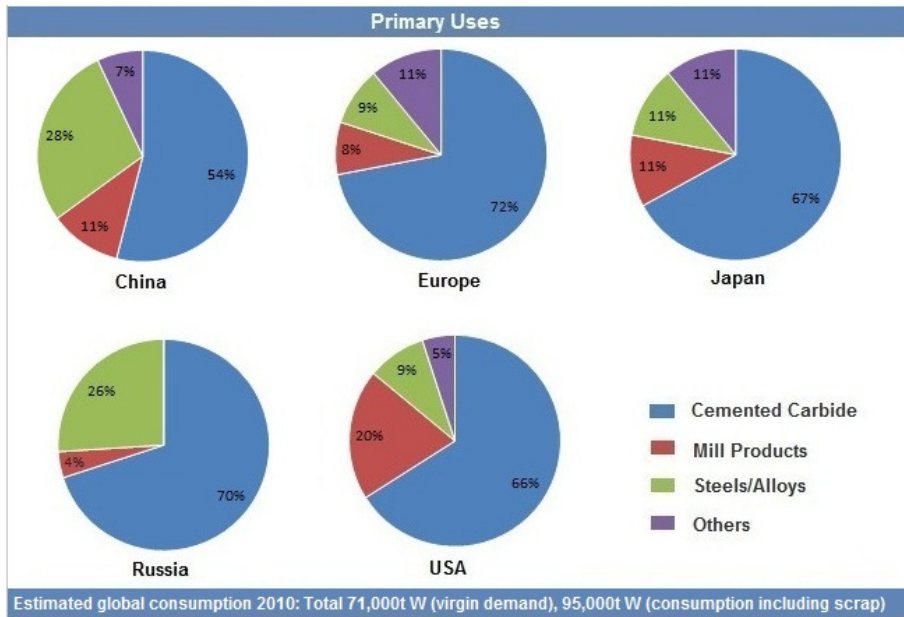
Figure 2 – Hatches Creek Mineral Field Location Map

## About Tungsten

Tungsten (wolfram, W) has an atomic number of 74 and sits within Group 6 of the periodic table. The metal has a very high density of  $19.3\text{g/cm}^3$  (same as gold), the lowest coefficient of expansion of any pure metal and at  $3410^\circ\text{C}$  has the highest melting point of any of the metallic elements. Tungsten occurs in nature only in the form of minerals. Although more than thirty tungsten-bearing minerals are known, only two of them are important for economic use, namely wolframite and scheelite.

Tungsten is used mainly for production of Tungsten Carbides (56%) for use in cutting and drilling tools. These hard metals are also used in the military for armour-piercing rounds, while light bulb manufacturers use the tungsten metal for filaments within incandescent light bulbs due to its resistance to heat (based on CRU analysis).

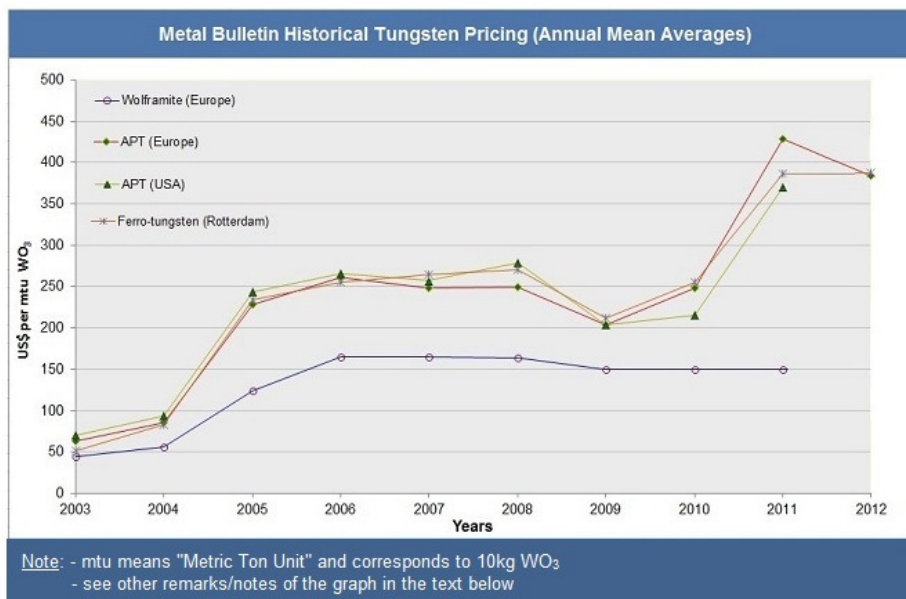
The airline industry also uses tungsten in super-alloys for turbine blades due to their high heat tolerance, high thermal fatigue resistance, good oxidation resistance, excellent heat corrosion resistance, good welding properties and ease of casting. Other applications include a widespread variety of chemical uses.



(Source ITIA, [www.itia.info](http://www.itia.info))

Wolframite (Fe, Mn) or  $WO_4$  contains around 76%  $WO_3$  and wolfram concentrates attract a premium in the market. However, the price of tungsten is best followed by Ammonium Paratungstate (APT), an intermediate tungsten product which acts as one of the industry's main reference pricing products. In recent years the APT price has seen new highs of up to US\$440 per mtu.

The outlook for tungsten demand is positive, with expected annual growth rates of 6% to 2016 according to leading commodity forecasters Roskill.



(Source ITIA, [www.itia.info](http://www.itia.info))

This graph is based on the quotations published by *Metal Bulletin*, to which acknowledgement is due.

- *Metal Bulletin* has ceased quotations for Europe wolframite since November 2012.
- The US APT quotations have been converted from stu to mtu for comparison purpose. *Metal Bulletin* has ceased US APT quotations since August 2012.
- The ferro-tungsten quotations have been converted from kg W to mtu of  $WO_3$  for comparison purposes.
- This information is based on *Metal Bulletin*'s twice-weekly quotations, but the averages have been calculated by ITIA and rounded.

Notes for information:

- A metric ton unit (mtu) is 10kg
- A metric ton unit of tungsten trioxide ( $WO_3$ ) contains 7.93kgs of tungsten
- A short ton unit (stu) is 20 pound

~ END ~

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**Competent Person Statement:** *The information in this report that relates to Exploration Results is based on and fairly represents information and supporting documentation prepared by Mr John Young (Exploration Manager of Arunta Resources Limited). Mr Young is a shareholder of Arunta Resources Limited. Mr Young is a member of the Australasian Institute of Mining and Metallurgy and has sufficient experience of relevance to the styles of mineralisation and types of deposits under consideration, and to the activities undertaken to qualify as Competent Persons as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Specifically, Mr Young consents to the inclusion in this report of the matters based on his information in the form and context in which they appear.*



## Appendix 1 - Sample Locations and Descriptions

Sample Id	North GDA94/53	East GDA94/53	Location	Description
HCBO01	7685369	516918	COPPER SHOW	MULLOCK DUMP AROUND WORKINGS
HCBO02	7685388	516892	COPPER SHOW	MULLOCK DUMP AROUND WORKINGS
HCBO03	7685363	516939	COPPER SHOW	MULLOCK DUMP AROUND WORKINGS
HCBO04	7685333	516953	COPPER SHOW	ALLUVIAL SAMPLE FROM WALL OF COSTEAN
HCBO05	7685343	516970	COPPER SHOW	MULLOCK DUMP AROUND WORKINGS
HCBO06	7685370	516993	COPPER SHOW	MULLOCK DUMP AROUND WORKINGS
HCBO07	7685756	519481	HIT OR MISS	MULLOCK DUMP AROUND WORKINGS
HCBO08	7685745	519473	HIT OR MISS	ALLUVIAL SAMPLE FROM CREEK, DRAINS FROM SILVER GRANITE
HCBO09	7685736	519493	HIT OR MISS	MULLOCK DUMP AROUND CIHNAMAN'S SHAFT
HCBO10	7685718	519510	HIT OR MISS	MULLOCK DUMP AROUND CIHNAMAN'S SHAFT
HCBO11	7685728	519535	HIT OR MISS	ALLUVIAL SAMPLE FROM WALL OF COSTEAN
HCBO12	7685731	519596	HIT OR MISS	ALLUVIAL SAMPLE FROM WALL OF COSTEAN
HCBO13	7685747	519542	HIT OR MISS	MULLOCK DUMP AROUND WORKINGS
HCBO14	7685600	519709	HIT OR MISS	ALLUVIAL SAMPLE FROM WALL OF COSTEAN
HCBO15	7692253	518813	PIONEER	BATTERY SANDS
HCBO16	7692266	518782	PIONEER	BATTERY SANDS
HCBO17	7692225	518763	PIONEER	MULLOCK DUMP
HCBO18	7692227	518735	PIONEER	MULLOCK DUMP
HCBO19	7692044	518647	PIONEER	CRUSHER DUMP
HCBO20	7692094	518512	PIONEER	MULLOCK DUMP
HCBO21	7692066	518522	PIONEER	BATTERY SANDS
HCBO22	7692041	518570	PIONEER	BATTERY SANDS
HCBO23	7690574	519549	BLACK DIAMOND	MULLOCK DUMP
HCBO24	7690622	519526	BLACK DIAMOND	MULLOCK DUMP
HCBO25	7690482	519495	BLACK DIAMOND	ALLUVIAL SAMPLE FROM BANK OF CREEK
HCBO26	7690551	519694	BLACK DIAMOND	ALLUVIAL SAMPLE FROM BANK OF CREEK
HCBO27	7690342	519939	BLACK DIAMOND	ALLUVIAL SAMPLE FROM WALL OF COSTEAN 1.5m DEEP
HCBO28	7690086	520092	BLACK DIAMOND	ALLUVIAL/SCREE FROM PIT
HCBO29	7690062	519868	GREEN DIAMOND	ALLUVIAL SAMPLE FROM WALL OF COSTEAN
HCBO30	7690088	519625	GREEN DIAMOND	ALLUVIAL SAMPLE FROM WALL OF COSTEAN
HCBO31	7690343	519608	GREEN DIAMOND	MULLOCK EAST SIDE OF CREEK
HCBO32	7690357	519598	GREEN DIAMOND	MULLOCK WEST SIDE OF CREEK
HCBO33	7686892	519892	TREASURE	MULLOCK FILLED CREEK BED & BANKS
HCBO34	7686925	519921	TREASURE	ALLUVIAL SAMPLE FROM BANK OF CREEK
HCBO35	7686190	519984	MASTERS GULLY	ALLUVIAL SAMPLE FROM WALL OF COSTEAN
HCBO36	7688182	519956	MASTERS GULLY	ALLUVIAL SAMPLE FROM WALL OF COSTEAN
HCBO37	7685989	520080	MASTERS GULLY	ALLUVIAL SAMPLE FROM WALL OF COSTEAN
HCBO38	7687136	520006	TREASURE	ALLUVIAL SAMPLE FROM WALL OF COSTEAN - CEMENTED FERR BASE
HCBO39	7687080	519930	TREASURE	MULLOCK DUMP AROUND WORKINGS
HCBO40	7687009	519885	TREASURE	MULLOCK DUMP AROUND WORKINGS
HCBO41	7690298	519649	GREEN DIAMOND	ALLUVIAL SAMPLE FROM BANK OF CREEK
HCR001	7689588	519032	MAIN TRACK	MALACHITE/FE OXIDE IN QTZ LODGE MULLOCK
HCR002	7687808	520590	FRENCHMANS POINT	QTZ LODGE MULLOCK - NO COPPER EVIDENT LODGE 1

<b>HCR003</b>	7687813	520617	FRENCHMANS POINT	QTZ LODE MULLOCK - NO COPPER EVIDENT LODE 2
<b>HCR004</b>	7685737	519505	HIT OR MISS	MULLOCK - CHINAMANS SHAFT - ABUNDANT MOLYBDENITE
<b>HCR005</b>	7685752	519559	HIT OR MISS	MULLOCK AROUND SHAFT
<b>HCR006</b>	7685584	519323	SILVER GRANITE	MULLOCK AROUND SHAFT - ABUNDANT COPPER
<b>HCR007</b>	7685656	519756	HIT OR MISS	MULLOCK AROUND SHAFT - EAST END
<b>HCR008</b>	7690623	519546	BLACK DIAMOND	MULLOCK AROUND AROUND SHAFT
<b>HCR009</b>	7690574	519564	BLACK DIAMOND	MULLOCK AROUND MAIN SHAFT
<b>HCR010</b>	7690090	520105	BLACK DIAMOND AREA	FERR QTZ VEIN SUBCROP IN LOWER AREA TO SOUTH
<b>HCR011</b>	7690367	519598	GREEN DIAMOND	MULLOCK NEXT TO CREEK BED EAST SIDE - ABUNDANT WOLFRAM
<b>HCR012</b>	7687002	519871	TREASURE	MULLOCK DUMP
<b>HCR013</b>	7686983	519877	TREASURE	MULLOCK DUMP
<b>HCR014</b>	7686340	520004	MASTERS GULLY	MULLOCK COVERED CREEK BED
<b>HCR015</b>	7687080	519930	TREASURE	MULLOCK DUMP

