

13 DECEMBER 2022

WEST ARUNTA PROJECT HIGH-GRADE WEATHERED NIOBIUM-TANTALUM ZONE AT P2

Highlights

P2 Target

- Single metre assay results for the P2 discovery hole (PARC003) received, including 0-74m depth which were not previously reported
- Confirmation of weathered, enriched high-grade Niobium-Tantalum mineralisation in the previously unreported drillhole zone:

12m at 0.66% Nb₂O₅, 0.62% TREO¹, 208ppm Ta₂O₅

from 61m including

5m at 0.90% Nb₂O₅, 0.76% TREO, 290ppm Ta₂O₅

from 65m

- Key primary intersection:

54m at 0.62% Nb₂O₅, 0.17% TREO, 54ppm Ta₂O₅

from 162m and ending in

1m at 1.72% Nb₂O₅, 0.23% TREO, 4ppm Ta₂O₅

- Grades in the weathered, enriched zone of up to 1.12% $Nb_2O_5,\,1.05\%$ TREO and 431ppm Ta_2O_5
- Grades in the transitional and primary zones of up to 1.72% Nb_2O_5 , 1.15% TREO and 649ppm Ta_2O_5
- Opens significant potential for lateral and vertical zonation of mineralisation within P2 which occurs at world-class carbonatites such as Mt Weld
- These single metre assays are in line with, or improve upon, previously reported 4m composite assays below 74m depth (refer to ASX announcement dated 26 October 2022). Single metre phosphorous assays not yet received

Upcoming Results and Activity

- Single metre assays from Luni currently anticipated late-January 2023
- Gravity infill and passive seismic surveys currently underway at the P2 and Luni targets to inform 2023 drill planning



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- Results from recently completed airborne electromagnetic surveys at the West Arunta Project and Hidden Valley Project anticipated January 2023
- Detailed assessment of results and planning for follow-up exploration programs at the P2 and Luni carbonatite discoveries is ongoing

WAI Resources Ltd (ASX: WAI) (**WAI** or the **Company**) is pleased to announce single metre assay results from the P2 discovery hole (PARCO03) completed during the maiden West Arunta Project drilling program in August. This announcement follows on from the P2 4m composite assays released to the ASX on 26 October 2022.

WAI's Managing Director, Paul Savich, commented:

"The identification of a high-grade zone of weathered enrichment above the previously assayed mineralised zone at P2 enhances the discovery and provides an additional shallow target for exploration in 2023.

"Of particular interest is the substantial increase in tantalum and Rare Earth Element anomalism within this weathered portion of the drillhole. This suggests potential for both lateral and vertical zonation of mineralisation within the P2 carbonatite system such as that which occurs at world-class carbonatite deposits, for instance Mt Weld.

"In addition, the primary and transitional material hosts some very-high niobium grades, with the hole ending in the best grade we've seen at P2, so whilst it's early days, the possibilities for this discovery remain very much open.

"Our current geophysical exploration activities are improving the resolution of our gravity data, as well as collecting new passive seismic datasets at both P2 and Luni, which will be fundamental to informing our 2023 drill program planning. We're extremely excited about next year's field program and will share details once aspects are finalised."



Schematics of gravity anomaly images (residual gravity with 2.68-2.77g/cc density shells)



Technical Discussion

WAI's maiden drill program in the West Arunta comprised seven holes for a total of 1,745 metres. Drilling provided an initial test of three target zones and discovered two mineralised carbonatite systems; one at the P2 target (in the Pachpadra Prospect area) and another at the Luni target (in the Sambhar Prospect area).

The assay results provided in this announcement relate to the 1m interval assays from the P2 target (drillhole PARC003).

	Table I. RC Collar Escation (GDA94 Zone 52)										
Hole ID	Target	Easting	Northing	RL (m)	Azimuth (Degrees)	Dip (Degrees)	Depth (m)				
PARC003	Pachpadra – P2	404816	7545043	401	180	-60	216				

Table 1: RC Collar Location (GDA94 Zone 52)

P2 Target (Pachpadra Prospect Area) Discussion

The P2 target was drilled to test a semi-coincident gravity and magnetic anomaly which occurred west of a regionally significant northeast trending shear zone, considered prospective to serve as a structural fluid pathway.



Figure 2: Plan View of the P2 Drill Collar Location

Combined gravity (resUC200m, colour) and magnetic (residual contours) anomaly images

Composite 4m assays received by the Company in October in relation to PARC003 confirmed the occurrence of a mineralised carbonatite intrusion and the 1m samples were then dispatched to the laboratory for assay. The results and geological context for the mineralisation are summarised below noting that phosphorus assay results are yet to be received.

The downhole geology intersected in PARC003 included 23m of ferruginous transported clays, followed by a sedimentary sequence of siltstone and sandstone, before transitioning

Note 1: 'TREO' is an abbreviation of Total Rare Earth Oxides, representing a combined group of 17 elements (La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Y, Sc)



into the carbonatite intrusion at 61m downhole. The weathering profile is moderate, with the lower saprolite boundary occurring at 74m and fresh rock intersected from 152m.

There is a clear correlation between the anomalous niobium-tantalum mineralisation and the appearance of the carbonatite intrusion at 61m downhole.

The highest niobium grade occurs in the last metre of the drillhole. Fresh mineralisation is associated with apatite and magnetite. The chip tray photo in Figure 3 below illustrates niobium grade intersections from 200m to 216m (EOH).



0.5% 0.73% 0.81% 0.76% 1.07% 0.81% 0.67% 0.81% 0.59% 1.04% 0.35% 0.25% 0.41% 0.44% 0.38% 1.72% Figure 3: Chip Tray with Nb₂O₅ Assay results annotated Refer to Table 2: Detailed Assay Results for full details

Preliminary Petrographic Analysis – P2 & Luni Targets

A limited selection of 19 drill chip samples from the recently completed drilling program were sent for preliminary petrographic analysis by A & A Crawford Geological Research Consultants. Eight samples from the three holes at Luni (LURC001, LURC002, LURC003) and five samples from the hole completed at P2 (PARC003) were examined petrographically, and outcomes were integrated with lithogeochemical data and microprobe analysis.

Analysis confirmed the presence of a calcio- and magnesio-carbonatite intrusive system(s) at the Luni target. The P2 intrusion is confirmed as a calcio-carbonatite, compositionally similar to the Luni calcio-carbonatite. The composition of the carbonatite may vary with lateral and vertical extent and these early observations are based on the limited drill data available to date.

The key niobium-bearing mineral identified in these carbonatites is pyrochlore, the same primary niobium mineral mined in the three largest active niobium mines globally (located in Brazil and Canada). Identifications of other minor accessory phases is ongoing.

The Company will build on this first-pass assessment by undertaking more detailed mineralogical and petrographic analysis of the carbonatite systems at P2 and Luni as part of the 2023 exploration program.

West Arunta Project – Upcoming Results and Activity

The 1m intervals from the three holes at Luni (LURC001, LURC002, LURC003) were submitted to ALS Perth in November with assay results currently anticipated to be received in late-January 2023. This includes results from previously unassayed shallower weathered portions of each of these three drillholes.



To date geophysics, particularly gravity data, has served as a successful targeting tool for both carbonatite discoveries. An infill gravity survey is currently underway at both the P2 and Luni targets to further constrain the apparent dense nature of the carbonatites intersected. In addition, a passive seismic survey is currently being completed to better understand the regolith profiles. The results of both surveys will assist with constraining the initial target areas for the 2023 drill planning.

Carbonatite Overview

Carbonatites are a type of igneous rock defined by their composition, being rich in carbonate minerals, typically calcite or dolomite. They often occur as plugs within alkali intrusive complexes, or as dykes, sills, breccias or veins. They are generally associated with major crustal scale features in rift-related tectonic settings. Carbonatites may be mineralised with rare earth elements, niobium, tantalum, phosphorus, uranium, thorium, copper, iron, titanium, vanadium, barium, fluorine and zirconium.

The identification of mineralised carbonatite intrusions at both P2 and Luni is significant geologically for the West Arunta region. The Company has multiple untested exploration targets within the region and the potential for further discovery with future exploration efforts has been enhanced by the results from P2 and Luni.

Carbonatite deposits are an important source of REE and niobium production. This includes the world's largest REE mine, Bayan Oho in Inner Mongolia, Lynas Rare Earths' Mt Weld deposit and the world's three major operating niobium mines.

Niobium Overview

Niobium (Nb) is a transitional metal used as a micro alloy with iron. Niobium is primarily used in the steel industry as the addition of small amounts of niobium (<1%) significantly increases the strength, decreases the weight, reduces corrosion and improves the heat resistance of steel products.

Niobium is a superconductor at very low temperatures, and as an alloy with titanium (NbTi) or tin (Nb₃Sn), it produces superconducting magnets used in magnetic resonance imaging (MRI) scanners, nuclear magnetic resonance (NMR) equipment and particle accelerators, such as the Large Hadron Collider at CERN. Niobium is essential for advanced technology with additional uses in gas and wind turbines, space travel and in the manufacture of rechargeable batteries for electric vehicles.

The metal has been identified by the Australian Government and many other countries as a critical mineral due to the concentration of supply from Brazil. There are currently three niobium producers globally: CBMM, Araxa, Brazil (66ktpa production³, +500Mt at 2.5% Nb₂O₅ resource, cost <\$10/kg Nb)², China Molybdenum Co., Catalao, Brazil (10ktpa production³, +50Mt at 1% Nb₂O₅ resource, cost <\$10/kg Nb)² and Magris Resources Inc., Niobec, Canada (7ktpa production³, +75Mt at 0.56% Nb₂O₅ resource, cost <\$19/kg Nb)².

The main niobium product sold is in the form of ferroniobium (~65% Nb) which makes up approximately 90% of the market. Niobium prices range from US $45,000/t^4$ per tonne for

Note 2: NioBay Metals, Investors – Presentations, viewed 25 October 2022 < http://niobaymetals.com/wp/wp-content/uploads/2021/05/2021-05_Niobay_Corporate_Presentation_.pdf>

^{3:} NioCorp, Investors – Presentations, viewed 25 October 2022 <https://secureservercdn.net/198.71.233.156/gx0.d43.myftpupload.com/wp-content/uploads/NioCorp_Investor_Presentation.pdf>

^{4:} Globe Metals & Mining Limited, Niobium Markets – Pricing, viewed 24 October 2022 < https://www.globemm.com/niobiummarkets>



standard ferroniobium metal and over US $50,000/t^4$ per tonne for niobium pentoxide (Nb₂O₅).

Tantalum Overview

Tantalum (Ta) is a transitional metal that is used in capacitors, resistors, superconductors and as a micro alloy. Tantalum's use in electronics is due to the formation of a thin surface layer of tantalum oxide, making it resistant to corrosion and resulting in favourable dielectric properties. It is ductile, highly refractory (chemically inert and resistant to heat and wear), with a very high melting point making it useful as an alloy⁵. Tantalum and niobium share many properties and are also commonly found together.

As with niobium, tantalum has been identified by the Australian Government as a critical mineral as its supply is at risk of disruption, as well as being essential for advanced technology. The top five global tantalum producers in 2021⁵ (including their annual production and global share of production respectively) were Congo (700t, 34%), Brazil (470t, 23%), Rwanda (270t, 13%), Nigeria (260t, 13%) and China (76t, 4%). Australia produces a small quantity (62t) of tantalum as a lithium by-product.

Tantalum is currently mined at ore grades of between 100ppm and 400ppm⁵ Ta₂O₅.

Tantalum is typically sold as tantalum pentoxide (Ta_2O_5), tantalum concentrate (30% Ta_2O_5), tantalum salt (K_2TaF_7) or tantalum metal. Tantalum concentrate (30% Ta_2O_5) prices range from US\$22,675/kg to US\$68,000/kg⁵.

West Arunta Project – Overview

The West Arunta Project is located approximately 490km south of Halls Creek in WA. It comprises the **Pachpadra**, **Sambhar** and **Urmia prospect areas**, which are contained within a granted Exploration Licence.

Prior to WAI acquiring the West Arunta Project in 2021, the tenement had extremely limited historical exploration for gold and copper, largely in the form of reconnaissance airborne geophysics, limited ground geophysical surveys and surface sampling. Drilling on the West Arunta Project tenement was limited to a single historic diamond hole drilled in 2010.





Figure 4: Location of the West Arunta Project

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Authorised for market release by the Board of WA1.



Competent Person Statement: The information in this announcement that relates to Exploration Results is based on information compiled by Ms. Stephanie Wray who is a Member of the Australian Institute of Geoscientists. Ms. Wray is a full-time employee of WA1 Resources Ltd and has sufficient experience which is relevant to the style of mineralisation under consideration to qualify as a Competent Person as defined in the 2012 Edition of the "Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Ms. Wray consents to the inclusion in the announcement of the matters based on her information in the form and context in which it appears.

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Table 2: Detailed Assay Results (results not displayed below are considered to contain no significant anomalism)P2 Target RC Drilling Results – PARC003

Sample II) D	epth	Nb2O5	Ta2O5	Ce2O3	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr2O3	Sc2O3	Sm2O3	Tb2O3	Tm2O3	Y2O3	Yb2O3	TREO
	m	ietres	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Ppm	ppm	ppm	ppm	ppm	%
	From	i To	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
WAX0115	1 61	62	0.62 t	46	2070	67	28	36	100	11	981	3	817	217	21	129	13	3	338	20	0.49
WAX0115	2 62	63	0.91 I	100	4500	131	54	80	215	21	2290	5	1785	479	37	288	25	6	593	37	1.05
WAX0115	3 63	64	0.25	29	1005	36	15	21	55	6	493	2	444	114	12	76	7	2	173	10	0.25
WAX0115	4 64	65	0.34	36	1080	36	17	21	58	6	519	2	458	117	17	75	7	2	209	12	0.26
WAX0115	5 65	66	1.12 I	241	3930	117	52	67	179	19	1940	6	1535	404	52	241	21	7	611	40	0.92
WAX0115	6 66	67	0.94 t	207	2750	78	34	49	126	13	1230	3	1065	291	32	171	15	4	405	23	0.63
WAX0115	7 67	68	0.87 I	315	3470	94	41	59	154	16	1525	4	1345	367	31	200	18	5	480	28	0.78
WAX0115	8 68	69	0.91 I	258	3030	89	39	55	139	15	1345	4	1180	316	30	186	17	5	450	27	0.69
WAX0115	9 69	70	0.64 t	431	3340	102	45	59	161	18	1490	5	1360	361	39	213	20	5	528	33	0.78
WAX0116	0 70	71	0.43 t	233	1945	64	28	38	101	11	930	3	854	225	30	134	12	3	351	19	0.47
WAX0116	1 71	72	0.5 t	362	2540	76	33	46	121	12	1165	3	1050	271	36	172	14	4	379	25	0.59
WAX0116	2 72	73	0.37 t	244	2020	56	22	35	93	9	952	2	822	214	14	130	11	3	250	14	0.46
WAX0116	3 73	74	0.30	127	793	26	11	17	42	4	383	1	345	87	12	54	5	1	131	8	0.19
WAX0116	4 74	75	0.22	144	797	26	10	16	44	4	375	1	356	87	5	54	5	1	108	6	0.19
WAX0116	5 75	76	0.17	152	950	29	10	18	47	4	459	1	412	102	4	63	5	1	129	7	0.22
WAX0116	6 76	77	0.11	71	771	22	9	14	36	3	387	1	326	82	5	49	4	1	104	6	0.18
WAX0116	7 77	78	0.24	220	898	28	10	19	46	4	421	1	394	98	3	59	5	1	123	6	0.21
WAX0116	8 78	79	0.16	48	467	19	7	11	30	3	225	0	225	52	11	35	4	1	85	5	0.12
WAX0116	9 79	80	0.15	65	556	22	9	13	33	3	266	1	251	62	5	41	4	1	92	5	0.14
WAX0117	0 80	81	0.17	83	478	22	8	13	33	4	223	1	229	55	6	40	4	1	88	5	0.12
WAX0117	1 81	82	0.18	79	509	30	13	14	39	5	239	1	251	57	6	46	5	1	129	8	0.14
WAX0117	2 82	83	0.12	41	474	36	16	15	44	6	228	1	227	53	7	42	6	2	164	11	0.13
WAX0117	3 83	84	0.13	48	375	19	8	10	27	3	179	1	181	43	4	31	3	1	79	5	0.10
WAX0117	4 84	85	0.27	101	1050	36	14	21	54	6	504	1	445	113	17	68	7	2	172	10	0.25
WAX0117	<u>5 85</u>	86	0.03	28	659	21	8	10	30	3	357	1	266	70	3	39	4	1	97	6	0.16
WAX0117	6 86	8/	0.05	53	866	25	9	14	37	4	467	1	345	91	5	49	4	1	110	6	0.20
WAX0117	/ 8/	88	0.03	35	812	19	8	12	31	3	440	1	315	83	3	43	4	1	95	6	0.19
WAX0117	8 88	89	0.03	36	592	18	1	11	29	3	300	1	242	62	4	36	3	1	84	5	0.14
WAX0117	9 89	90	0.05	70	700	19	/	13	31	3	303	1	202	00	4	40	4	1	83	5	0.15
	<u>0 90</u> 1 01	91	0.07	/ 8	709	19	<u>8</u>	10	35	3	352	1	305	101	3	40	4	1	93	5	0.17
	0 00	92	0.07	91	919	20	9	10	40	4	404	1	410	00	4	56	 	1	101	0 F	0.22
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WAAUII0	J 93	94	0.07	118	730	22	0	15	31	3	355	1	340	82	3	51	4	1	91	5	0.10
 \//ΔΥΛ110	+ 34 5 05	90	0.00	52	576	17	3 7	11	20	3	287	1	2/1	62	2	36	3	1	83	5	0.10
W/AY0110	AD 30	07	0.03	10/	638	21	/ 8	12	23	2	307	1	241	71	2	 		1	05 Q5	5	0.14
W/AX0110	0 30 7 07	97	0.00	180	677	23	<u> </u>	14	36	3 3	323	1	308	74	1	46	4	1	95	5	0.15
WAX0118	<u>, 31</u> 8 98	90	0.13	61	615	23	8	12	30	3	307	1	257	66	2	38	4	1	94	6	0.10
11/0/0110	0 00	55	0.10	01	010	41	U	14	50	J	001		201	00	4	00	т	1	7	0	0.10

Note + Nb triggered upper detection limit, XRF used for the final determination via ALS method ME-XRF30



Sample ID	De	pth	Nb2O5	Ta2O5	Ce2O3	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr2O3	Sc2O3	Sm2O3	Tb2O3	Tm2O3	Y2O3	Yb2O3	TREO
	me	tres	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Ppm	ppm	ppm	ppm	ppm	%
	From	То	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
WAX01189	99	100	0.07	40	655	19	8	12	31	3	333	1	266	68	1	40	4	1	90	6	0.15
WAX01190	100	101	0.10	147	702	22	9	14	37	3	344	1	304	77	2	48	4	1	101	6	0.17
WAX01191	101	102	0.15	139	710	21	8	13	35	3	344	1	301	77	3	45	4	1	95	5	0.17
WAX01192	102	103	0.06	59	607	19	7	13	33	3	295	1	271	67	6	40	4	1	86	5	0.15
WAX01193	103	104	0.08	95	673	21	8	14	36	3	326	1	300	74	5	45	4	1	93	5	0.16
WAX01194	104	105	0.08	93	648	19	7	12	32	3	323	1	276	70	3	42	3	1	93	5	0.15
WAX01195	105	106	0.4 t	649	886	32	11	22	55	5	385	1	438	104	4	72	6	1	122	6	0.21
WAX01196	106	107	0.32 t	72	5260	41	15	36	82	6	3850	1	1445	436	2	141	9	2	171	10	1.15
WAX01197	107	108	0.19	171	4540	46	16	36	87	6	3340	1	1290	383	2	139	9	2	173	9	1.01
WAX01198	108	109	0.07	81	679	19	7	11	31	3	355	1	268	71	3	40	4	1	90	5	0.16
WAX01201	109	110	0.05	70	647	19	8	11	32	3	316	1	271	69	4	41	3	1	83	5	0.15
WAX01202	110	111	0.04	48	663	17	7	10	28	3	338	1	270	71	3	41	3	1	77	5	0.15
WAX01203	111	112	0.06	75	633	18	7	11	30	3	332	1	259	69	3	39	3	1	88	5	0.15
WAX01204	112	113	0.06	102	552	18	7	10	29	3	293	1	237	61	4	37	3	1	85	5	0.13
WAX01205	113	114	0.11	145	679	26	11	14	38	4	325	1	304	75	5	49	5	1	131	8	0.17
WAX01206	5 114	115	0.10	132	702	20	9	12	34	3	355	1	300	79	6	46	4	1	107	6	0.17
WAX01207	′ 115	116	0.13	331	681	22	9	15	40	3	320	1	328	81	6	51	4	1	108	5	0.17
WAX01208	116	117	0.06	127	648	19	8	12	34	3	317	1	280	70	6	47	4	1	95	5	0.15
WAX01209	117	118	0.11	198	716	25	9	15	40	4	345	1	338	83	5	57	5	1	117	6	0.18
WAX01210	118	119	0.10	220	848	26	10	17	46	4	407	1	374	94	6	63	5	1	129	6	0.20
WAX01211	119	120	0.10	198	826	24	9	16	42	3	381	1	373	92	9	55	5	1	104	5	0.19
WAX01212	120	121	0.04	94	565	18	6	10	28	3	277	1	244	60	6	39	3	1	78	5	0.13
WAX01213	121	122	0.14	392	668	21	7	14	36	3	312	1	301	74	6	47	4	1	90	5	0.16
WAX01214	122	123	0.05	95	623	19	7	12	31	3	301	1	269	67	4	40	4	1	80	5	0.15
WAX01215	123	124	0.07	150	705	22	8	14	37	3	332	1	321	79	8	52	4	1	90	5	0.17
WAX01216	124	125	0.06	143	596	17	6	10	28	3	289	1	254	63	2	39	3	1	74	5	0.14
WAX01217	125	126	0.06	152	625	18	8	11	30	3	303	1	262	66	4	39	3	1	83	5	0.15
WAX01218	126	127	0.05	84	710	20	7	12	33	3	345	1	304	78	6	46	4	1	88	5	0.17
WAX01219	127	128	0.06	94	721	20	8	12	34	3	358	1	306	78	4	49	4	1	95	5	0.17
WAX01220	128	129	0.06	110	/31	22	8	13	34	3	359	1	305	/8	3	48	4	1	93	5	0.1/
WAX01221	129	130	0.07	122	6/2	20	8	12	32	3	328	1	283	/4	2	43	4	1	90	5	0.16
WAX01222	130	131	0.06	108	/19	18	1	12	31	3	358	1	299	//	4	45	3	1	81	5	0.1/
WAX01223	131	132	0.04	/0	667	15	6	9	2/	2	332	0	265	/0	1	39	3	1	68	4	0.15
WAX01224	132	133	0.04	62	630	18	/	10	31	3	311	1	269	68	2	40	3	1	11	5	0.15
WAX01225	133	134	0.10	131	740	22	9	13	38	3	345	1	317	81	4	54	4	1	96	5	0.17
WAX01226	134	135	0.07	102	723	21	8	13	35	3	351	1	305	/8	5	4/	4	1	94	5	0.17
WAX01227	135	130	0.08	102	793	22	8	15	38	4	381	1	339	<u>۲</u>	3	52	4	1	104	6	0.19
WAX01228	136	13/	0.05	6/	121	19	8	12	34	3	358	1	301	11	3	45	4	1	90	5	0.17
WAX01229	13/	138	0.06	12	/43	22	8	13	36	3	3/0	1	312	80	2	46	4	1	98	5	0.17
WAX01230	138	139	0.10	111	<u>۲</u>	13	5	4	13	2	31	0	42	10	1	11	2	1	62	3	0.03
WAX01231	139	140	0.14	144	91	13	5	4	12	2	3/	0	45	10	1	10	2	1	12	4	0.03
WAX01232	140	141	0.13	130	00	15	1	3	13	2	23	0	51	1	2	9	2	1	/5	4	0.03
VVAA01233) [4]	142	0.14	IÖÖ	52	10	4	3	10	2	23	U	21	o	4	1	2	U	50	3	0.02



International % ppn ppn <th< th=""><th></th><th>Sample ID</th><th>De</th><th>pth</th><th>Nb2O5</th><th>Ta2O5</th><th>Ce2O3</th><th>Dy2O3</th><th>Er2O3</th><th>Eu2O3</th><th>Gd2O3</th><th>Ho2O3</th><th>La2O3</th><th>Lu2O3</th><th>Nd2O3</th><th>Pr2O3</th><th>Sc2O3</th><th>Sm2O3</th><th>Tb2O3</th><th>Tm2O3</th><th>Y2O3</th><th>Yb2O3</th><th>TREO</th></th<>		Sample ID	De	pth	Nb2O5	Ta2O5	Ce2O3	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr2O3	Sc2O3	Sm2O3	Tb2O3	Tm2O3	Y2O3	Yb2O3	TREO
Prom To UP U			me	tres	%	ppm	ppm	ppm	%														
WXX01234 H42 H42 H42 H42 H42 H42 H42 H42 H43 H0 2 0 47 2 0.04 WXX01236 H44 H46 0.36 L42 227 21 7 8 25 3 100 0 97 24 3 21 4 1 94 4 0.06 WXX01237 H46 H47 0.28 H17 63 20 8 13 31 3 306 1 246 68 2 41 4 1 90 6 0.15 WXX01240 H48 H49 0.27 272 590 16 7 11 29 3 233 1 246 63 3 37 4 1 85 6 0.16 WXX01241 151 152 13 17 34 4 378 1 343 34 4 1 87<			From	То	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
WXX01235 H43 H44 L021 L231 L292 L4 S 6 19 2 107 29 2 20 3 1 64 3 0.077 WXX01237 H44 H44 L035 L4 L4<		WAX01234	142	143	0.14	141	133	11	4	4	12	2	78	0	50	14	3	10	2	0	47	2	0.04
WAX01236 I44 I45 0.36 242 227 21 7 8 25 3 100 97 24 3 21 4 1 94 4 0 95 24 3 21 4 1 99 6 0.17 WAX01238 I46 I47 0.28 I47 633 20 8 13 31 3 366 1 246 68 2 41 4 1 90 6 0.17 WAX01240 I48 149 0.27 272 590 18 7 11 29 3 237 1 264 73 3 43 4 1 91 6 0.16	_	WAX01235	143	144	0.21	231	292	14	5	6	19	2	155	0	107	29	2	20	3	1	64	3	0.07
WXX01237 Ids Ids Ids Display Display <thdisplay< t<="" td=""><td>_</td><td>WAX01236</td><td>144</td><td>145</td><td>0.36</td><td>242</td><td>227</td><td>21</td><td>7</td><td>8</td><td>25</td><td>3</td><td>100</td><td>0</td><td>97</td><td>24</td><td>3</td><td>21</td><td>4</td><td>1</td><td>94</td><td>4</td><td>0.06</td></thdisplay<>	_	WAX01236	144	145	0.36	242	227	21	7	8	25	3	100	0	97	24	3	21	4	1	94	4	0.06
WAX01238 Ide Ide <thide< th=""> <thide<< td=""><td>_</td><td>WAX01237</td><td>145</td><td>146</td><td>0.19</td><td>168</td><td>220</td><td>17</td><td>6</td><td>7</td><td>20</td><td>3</td><td>94</td><td>0</td><td>95</td><td>24</td><td>3</td><td>20</td><td>3</td><td>1</td><td>76</td><td>3</td><td>0.06</td></thide<<></thide<>	_	WAX01237	145	146	0.19	168	220	17	6	7	20	3	94	0	95	24	3	20	3	1	76	3	0.06
WAX01239 I47 I48 0.044 192 763 22 8 15 36 4 34 199 4 1 99 6 0.17 WAX01241 I48 149 0.25 121 685 21 8 12 323 327 1 226 63 33 4 1 95 6 0.16 WAX01241 151 152 0.27 72 804 22 8 14 38 4 131 1327 89 5 52 4 1 97 5 0.17 WAX01241 151 152 0.53 0.9 113 766 21 8 14 36 3 3843 1 206 64 49 4 1 92 5 0.17 WAX01245 153 154 0.15 213 760 21 8 17 33 3 343 1 206 84 6 49 4 1 95 0.17 WAX01241 155 </td <td>_</td> <td>WAX01238</td> <td>146</td> <td>147</td> <td>0.28</td> <td>147</td> <td>633</td> <td>20</td> <td>8</td> <td>13</td> <td>31</td> <td>3</td> <td>306</td> <td>1</td> <td>246</td> <td>68</td> <td>2</td> <td>41</td> <td>4</td> <td>1</td> <td>90</td> <td>6</td> <td>0.15</td>	_	WAX01238	146	147	0.28	147	633	20	8	13	31	3	306	1	246	68	2	41	4	1	90	6	0.15
WXX01240 148 149 102 272 590 18 7 11 29 3 283 1 226 63 3 37 4 1 81 4 0.16 WXX01241 190 151 0.25 121 086 21 34 3 57 5 1 115 6 0.16 WXX01241 151 152 0.29 276 084 22 8 14 384 371 1 327 89 5 52 4 1 97 5 0.18 WXX01240 154 155 105 121 77 160 21 8 14 36 3 388 1 206 6 47 4 8 92 0.18 WXX01240 154 154 0.13 196 726 20 7 13 33 345 1 207 4 1 88 0.17 1 89 7 1 88 5 0.17 1 186	_	WAX01239	147	148	0.44 t	192	763	22	8	15	36	4	349	1	299	83	3	49	4	1	99	6	0.17
WAX01241 149 150 0.25 121 683 27 10 17 43 43 17 95 6 0.16 WAX01243 151 152 0.29 276 804 22 8 14 38 43 11 327 89 5 52 4 1 97 5 0.18 WAX01243 151 152 153 154 0.15 213 760 21 8 12 33 343 1 226 79 4 45 4 1 87 5 0.17 WAX01247 155 156 0.31 166 726 20 7 13 33 347 1 294 80 6 47 4 1 89 5 5 1 98 6 0.17 WAX01247 155 157 0.21 344 7 3 342 1 311 84 1	_	WAX01240	148	149	0.27	272	590	18	7	11	29	3	283	1	226	63	3	37	4	1	81	4	0.14
WAX01242 151 0.47+ 403 833 27 10 17 43 4 371 1 327 89 5 5 1 115 6 0.19 WAX01244 155 151 152 0.29 26 8 14 38 3 34 1 267 9 4 45 4 1 87 5 0.13 WAX01244 155 153 154 105 0.13 166 17 39 4 357 1 318 91 7 55 5 1 96 5 0.17 WAX01247 155 166 0.31 481 64 328 1 307 84 6 52 4 1 89 5 0.17 WAX01251 157 168 10.10 153 711 1 73 342 1 311 84 6 52 45 4 1 <t< td=""><td>_</td><td>WAX01241</td><td>149</td><td>150</td><td>0.25</td><td>121</td><td>685</td><td>21</td><td>8</td><td>12</td><td>32</td><td>3</td><td>327</td><td>1</td><td>264</td><td>73</td><td>3</td><td>43</td><td>4</td><td>1</td><td>95</td><td>6</td><td>0.16</td></t<>	_	WAX01241	149	150	0.25	121	685	21	8	12	32	3	327	1	264	73	3	43	4	1	95	6	0.16
WAX01243 151 152 0.29 276 804 22 8 14 38 4 371 1 327 69 5 52 4 1 67 5 0.17 WAX01245 153 154 0.15 213 760 21 8 14 36 3 388 1 309 64 6 49 4 1 92 5 0.17 WAX01245 153 154 0.13 167 76 20 7 13 33 347 1 284 60 6 47 4 189 5 0.17 WAX01241 155 157 0.21 346 733 217 7 44 35 3 342 1 307 64 7 51 4 1 87 5 0.17 WAX01251 157 158 0.20 354 746 21 8 14 35 3 342 1 307 64 75 24 4 1 8		WAX01242	150	151	0.47 I	403	833	27	10	17	43	4	378	1	341	93	3	57	5	1	115	6	0.19
WAX01244 152 153 0.09 113 722 20 8 12 33 3 343 1 286 79 4 45 4 1 87 5 0.17 WAX01246 153 153 155 155 156 101 186 760 21 8 14 36 3 38 1 294 80 6 47 4 1 89 5 0.17 WAX01246 156 157 0.21 348 733 21 7 14 35 3 326 1 295 81 5 47 4 1 89 5 0.17 WAX01251 157 158 0.20 354 746 21 81 43 342 1 311 84 5 0.17 WAX0125 160 0.10 75 5 45 4 1 87 5 0.17 WAX0125 160 0.10 75 0.17 WAX0125 160 0.16 177 4 14 <td< td=""><td></td><td>WAX01243</td><td>151</td><td>152</td><td>0.29</td><td>276</td><td>804</td><td>22</td><td>8</td><td>14</td><td>38</td><td>4</td><td>371</td><td>1</td><td>327</td><td>89</td><td>5</td><td>52</td><td>4</td><td>1</td><td>97</td><td>5</td><td>0.18</td></td<>		WAX01243	151	152	0.29	276	804	22	8	14	38	4	371	1	327	89	5	52	4	1	97	5	0.18
WAX01245 153 154 0.15 213 760 21 8 14 36 3 338 1 309 84 6 49 4 1 92 5 0.18 WAX01246 154 155 156 0.13 168 733 21 7 14 35 3 347 1 234 80 6 47 4 1 89 5 0.17 WAX01245 156 157 0.21 348 733 21 7 14 35 3 345 1 307 84 7 51 4 1 89 5 0.17 WAX01251 157 158 0.10 153 711 19 7 13 33 332 1 218 4 1 89 5 0.17 WAX01255 161 160 0.07 92 645 17 6 11 228 3 310 1 252 70 4 40 3 3 30 187 <t< td=""><td>_</td><td>WAX01244</td><td>152</td><td>153</td><td>0.09</td><td>113</td><td>722</td><td>20</td><td>8</td><td>12</td><td>33</td><td>3</td><td>343</td><td>1</td><td>286</td><td>79</td><td>4</td><td>45</td><td>4</td><td>1</td><td>87</td><td>5</td><td>0.17</td></t<>	_	WAX01244	152	153	0.09	113	722	20	8	12	33	3	343	1	286	79	4	45	4	1	87	5	0.17
WAX01246 155 0.13 196 726 20 7 13 33 3 347 1 294 80 6 47 4 1 89 5 0.17 WAX01248 156 167 0.21 348 733 21 7 14 35 3 328 1 295 81 5 47 4 1 88 5 0.17 WAX01251 157 168 0.20 354 746 21 8 14 37 3 342 1 311 84 6 52 4 1 85 0.17 WAX01254 160 0.10 153 711 19 7 12 33 332 1 279 78 5 45 4 1 85 5 0.16 WAX01254 160 0.07 92 645 17 67 3 325 1 30 89 3 54 4 1 89 5 0.16 WAX01256 162 <td< td=""><td>_</td><td>WAX01245</td><td>153</td><td>154</td><td>0.15</td><td>213</td><td>760</td><td>21</td><td>8</td><td>14</td><td>36</td><td>3</td><td>358</td><td>1</td><td>309</td><td>84</td><td>6</td><td>49</td><td>4</td><td>1</td><td>92</td><td>5</td><td>0.18</td></td<>	_	WAX01245	153	154	0.15	213	760	21	8	14	36	3	358	1	309	84	6	49	4	1	92	5	0.18
WAX01247 155 156 0.1 481 80.4 23 8 17 39 4 357 1 338 91 7 55 5 1 96 5 0.1 WAX01245 156 157 0.21 348 733 21 7 14 35 3 342 1 307 84 7 51 4 1 88 5 0.17 WAX01251 159 160 0.10 153 711 97 14 37 3 342 1 311 84 6 52 4 1 91 5 0.17 WAX01254 160 0.10 153 711 9 7 12 33 332 1 279 78 5 45 4 1 89 5 0.16 WAX01256 161 164 0.41 325 739 19 7 13 223	_	WAX01246	154	155	0.13	196	726	20	7	13	33	3	347	1	294	80	6	47	4	1	89	5	0.17
WAX01248 157 158 0.20 354 74 1 88 5 0.17 WAX01252 158 159 0.17 256 753 21 7 14 37 3 342 1 311 84 6 52 4 1 91 5 0.17 WAX01252 158 160 0.10 153 711 19 7 12 33 3322 1 279 78 5 45 4 1 85 5 0.17 WAX01254 160 161 0.07 92 645 17 6 11 28 3 314 1 252 70 4 40 3 17 4 0.15 WAX01256 161 162 163 0.524 526 739 19 7 13 32 3 309 1 290 80 7 47 4 1 81 <	_	WAX01247	155	156	0.31	481	804	23	8	17	39	4	357	1	338	91	7	55	5	1	96	5	0.18
WAX01251 157 158 0.20 354 746 21 8 14 35 3 345 1 307 84 7 51 4 1 87 5 0.17 WAX01253 159 160 0.10 153 711 19 7 12 33 3 322 1 219 76 5 45 4 1 85 5 0.16 WAX01256 161 162 0.11 174 659 18 7 12 23 3 11 255 71 4 41 4 1 79 5 0.15 WAX01256 161 162 0.41 325 739 19 7 13 32 3 309 1 290 80 7 47 4 1 81 4 0.16 WAX01250 166 167 0.64 13 654 16 61	_	WAX01248	156	157	0.21	348	733	21	7	14	35	3	328	1	295	81	5	47	4	1	88	5	0.17
WAX01252 158 159 0.17 256 753 21 7 14 37 3 342 1 311 84 6 52 4 1 91 5 0.17 WAX01254 160 161 0.07 92 645 17 6 11 28 3 314 1 252 70 4 40 3 1 77 4 0.15 WAX01254 160 161 0.07 92 645 17 6 11 28 3 310 1 255 71 4 41 4 1 79 5 0.15 WAX01257 163 164 0.41 325 130 89 3 54 4 4 1 81 4 0.16 WAX01250 165 166 0.621 180 679 16 6 11 27 3 277 1 245 6	_	WAX01251	157	158	0.20	354	746	21	8	14	35	3	345	1	307	84	7	51	4	1	87	5	0.17
WAX01253 159 160 0.10 153 711 19 7 12 33 332 1 279 78 5 45 4 1 85 5 0.16 WAX01255 161 162 0.11 174 659 18 7 12 29 3 310 1 255 71 4 41 4 1 79 5 0.15 WAX01256 162 163 0.52 526 799 22 8 16 37 3 325 1 330 89 3 54 4 1 89 5 0.16 WAX01257 163 164 0.65 0.41 200 681 16 6 11 27 3 289 1 246 69 4 39 3 1 73 4 0.15 WAX01260 166 167 0.64 143 654 16	_	WAX01252	158	159	0.17	256	753	21	7	14	37	3	342	1	311	84	6	52	4	1	91	5	0.17
WAX01254 160 161 0.07 92 645 17 6 11 28 3 314 1 252 70 4 40 3 1 77 4 0.15 WAX01255 161 162 0.11 174 659 18 7 12 29 3 310 1 255 71 4 41 4 1 79 5 0.15 WAX01255 163 164 0.41 325 739 19 7 13 32 3 309 1 290 80 7 47 4 1 81 4 0.16 WAX01254 166 166 0.61 143 654 16 6 11 27 3 289 1 246 69 4 39 3 1 73 4 0.15 WAX01260 166 167 0.61 143 654 16	_	WAX01253	159	160	0.10	153	711	19	7	12	33	3	332	1	279	78	5	45	4	1	85	5	0.16
WAX01255 161 162 0.11 174 659 18 7 12 29 3 310 1 2255 71 4 41 41 4 1 79 5 0.15 WAX01257 163 164 0.4+ 325 739 19 7 13 32 3 309 1 290 80 7 47 4 1 81 4 0.16 WAX01257 163 164 0.5 0.4+ 200 681 16 6 11 27 3 289 1 246 69 5 38 3 1 71 4 0.15 WAX01260 166 167 0.64 18 64 18 7 12 203 3 334 1 278 78 3 43 4 1 80 4 0.17 WAX01261 167 108 0.52 + 100 <	_	WAX01254	160	161	0.07	92	645	17	6	11	28	3	314	1	252	70	4	40	3	1	77	4	0.15
WAX01256 I62 I63 0.52+ 526 799 22 8 16 37 3 325 1 330 89 3 54 4 1 89 5 0.18 WAX01257 163 164 0.4+ 325 739 19 7 13 32 3 09 1 246 69 5 38 3 1 71 4 0.16 WAX01259 165 166 0.62+ 180 679 16 6 11 27 3 277 1 245 69 4 39 3 1 73 4 0.15 WAX01261 167 168 0.52+ 104 758 18 7 11 29 3 306 1 254 72 2 40 4 1 84 5 0.15 WAX01261 170 171 0.22 48 671 16 <t< td=""><td></td><td>WAX01255</td><td>161</td><td>162</td><td>0.11</td><td>174</td><td>659</td><td>18</td><td>7</td><td>12</td><td>29</td><td>3</td><td>310</td><td>1</td><td>255</td><td>71</td><td>4</td><td>41</td><td>4</td><td>1</td><td>79</td><td>5</td><td>0.15</td></t<>		WAX01255	161	162	0.11	174	659	18	7	12	29	3	310	1	255	71	4	41	4	1	79	5	0.15
WAX01257 163 164 0.4 325 739 19 7 13 32 3 309 1 290 80 7 47 4 1 81 4 0.16 WAX01258 164 165 0.4+ 200 681 16 6 11 27 3 289 1 246 69 5 38 3 1 71 4 0.15 WAX01250 166 167 0.6+ 143 654 16 6 11 27 3 277 1 245 69 4 37 3 1 70 4 0.14 WAX01261 167 168 169 0.39+ 100 695 18 7 11 29 3 306 1 224 72 2 40 4 1 84 5 0.15 WAX01262 170 0.32 48 17 7 10	_	WAX01256	162	163	0.52 I	526	799	22	8	16	37	3	325	1	330	89	3	54	4	1	89	5	0.18
WAX01258 164 165 0.44 200 681 16 6 11 27 3 289 1 246 69 5 38 3 1 71 4 0.15 WAX01259 165 166 0.62 + 180 679 16 6 11 27 3 277 1 245 69 4 39 3 1 70 4 0.15 WAX01250 166 167 0.61 143 66 11 267 1 231 66 4 37 3 1 70 4 0.14 WAX01261 167 0.64 173 10 66 9 25 3 331 1 28 0.15 WAX01264 170 10.32 48 671 16 6 9 25 3 331 1 78 5 0.15 WAX01264 170 171 0.25 122	_	WAX01257	163	164	0.4 t	325	739	19	7	13	32	3	309	1	290	80	7	47	4	1	81	4	0.16
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		WAX01258	164	165	0.4 t	200	681	16	6	11	27	3	289	1	246	69	5	38	3	1	71	4	0.15
WAX01260 166 167 0.6 + 143 654 16 6 11 26 3 267 1 231 66 4 37 3 1 70 4 0.14 WAX01261 167 168 0.52 + 104 758 18 7 12 30 3 334 1 278 78 3 43 4 1 80 4 0.17 WAX01262 168 169 0.39 + 100 695 18 7 11 29 3 306 1 254 72 2 40 4 1 84 5 0.15 WAX01263 169 170 0.25 122 658 17 7 10 27 3 332 1 230 66 2 37 3 1 78 5 0.15 WAX01265 171 173 0.59 + 132 800 19		WAX01259	165	166	0.62 I	180	679	16	6	11	27	3	277	1	245	69	4	39	3	1	73	4	0.15
WAX01261 167 168 0.52 + 104 758 18 7 12 30 3 334 1 278 78 3 43 4 1 80 4 0.17 WAX01262 168 169 0.39 + 100 695 18 7 11 29 3 306 1 254 72 2 40 4 1 84 5 0.15 WAX01264 170 0.32 48 671 16 6 9 25 3 331 1 229 67 2 34 3 1 74 5 0.15 WAX01265 171 172 0.42 + 113 733 17 6 11 29 3 327 1 268 75 2 41 4 1 81 5 0.17 WAX01267 173 174 1.04 + 132 1002 1 35		WAX01260	166	167	0.6 t	143	654	16	6	11	26	3	267	1	231	66	4	37	3	1	70	4	0.14
WAX01262 168 169 0.39 + 100 695 18 7 11 29 3 306 1 254 72 2 40 4 1 84 5 0.15 WAX01263 169 170 0.32 48 671 16 6 9 25 3 331 1 229 67 2 34 3 1 74 5 0.15 WAX01264 170 171 0.25 122 658 17 7 10 27 3 332 1 230 66 2 37 3 1 78 5 0.15 WAX01266 171 172 0.42 + 113 73 314 3334 1 268 75 2 41 4 1 81 5 0.17 WAX01267 173 174 1.04 + 132 1020 21 8 16 36 3		WAX01261	167	168	0.52 t	104	758	18	7	12	30	3	334	1	278	78	3	43	4	1	80	4	0.17
WAX01263 169 170 0.32 48 671 16 6 9 25 3 331 1 229 67 2 34 3 1 74 5 0.15 WAX01264 170 171 0.25 122 658 17 7 10 27 3 332 1 230 66 2 37 3 1 78 5 0.15 WAX01265 171 172 0.42 ± 113 733 17 6 11 29 3 327 1 268 75 2 41 4 1 78 4 0.16 WAX01266 172 173 0.59 ± 132 800 19 7 13 31 3 334 1 288 81 3 44 4 1 81 5 0.17 WAX01267 175 0.75 0.77 4 8 7 1		WAX01262	168	169	0.39 t	100	695	18	7	11	29	3	306	1	254	72	2	40	4	1	84	5	0.15
WAX01264 170 171 0.25 122 658 17 7 10 27 3 332 1 230 66 2 37 3 1 78 5 0.15 WAX01265 171 172 0.42+ 113 733 17 6 11 29 3 327 1 268 75 2 41 4 1 78 4 0.16 WAX01266 172 173 0.59+ 132 800 19 7 13 31 3 334 1 288 81 3 44 4 1 81 5 0.17 WAX01267 173 174 1.04+ 132 1020 21 8 16 36 3 407 1 360 102 3 51 4 1 86 4 0.19 WAX01269 175 176 0.36+ 67 774 18		WAX01263	169	170	0.32	48	671	16	6	9	25	3	331	1	229	67	2	34	3	1	74	5	0.15
WAX01265 171 172 0.42 ± 113 733 17 6 11 29 3 327 1 268 75 2 41 4 1 78 4 0.16 WAX01266 172 173 0.59 ± 132 800 19 7 13 31 3 334 1 288 81 3 44 4 1 81 5 0.17 WAX01267 173 174 1.04 ± 132 1020 21 8 16 36 3 407 1 360 102 3 56 4 1 91 5 0.21 WAX01268 174 175 0.72 ± 65 893 20 7 15 35 3 360 1 325 91 3 51 4 1 86 4 0.19 WAX01269 175 176 0.36 ± 67 774 18 7 12 30 3 341 247 70 3 40 3	-	WAX01264	170	171	0.25	122	658	17	7	10	27	3	332	1	230	66	2	37	3	1	78	5	0.15
WAX01266 172 173 0.59 + 132 800 19 7 13 31 3 334 1 288 81 3 44 4 1 81 5 0.17 WAX01267 173 174 1.04 + 132 1020 21 8 16 36 3 407 1 360 102 3 56 4 1 91 5 0.21 WAX01268 174 175 0.72 + 65 893 20 7 15 35 3 360 1 325 91 3 51 4 1 86 4 0.19 WAX01269 175 176 0.36 + 67 774 18 7 12 30 3 341 1 274 78 3 42 4 1 80 5 0.17 WAX01270 176 177 0.33 84 694 17 7 10 27 3 309 1 247 70 3 40	-	WAX01265	171	172	0.42 t	113	733	17	6	11	29	3	327	1	268	75	2	41	4	1	78	4	0.16
WAX01267 173 174 1.04 + 132 1020 21 8 16 36 3 407 1 360 102 3 56 4 1 91 5 0.21 WAX01268 174 175 0.72 + 65 893 20 7 15 35 3 360 1 325 91 3 51 4 1 86 4 0.19 WAX01269 175 176 0.36 + 67 774 18 7 12 30 3 341 1 274 78 3 42 4 1 80 5 0.17 WAX01270 176 177 0.33 84 694 17 7 10 27 3 309 1 247 70 3 40 3 1 81 5 0.15 WAX01271 177 178 0.62 + 127 952 20 8 15 35 3 384 1 346 98 5 56		WAX01266	172	173	0.59 t	132	800	19	7	13	31	3	334	1	288	81	3	44	4	1	81	5	0.17
WAX01268 174 175 0.72 + 65 893 20 7 15 35 3 360 1 325 91 3 51 4 1 86 4 0.19 WAX01269 175 176 0.36 + 67 774 18 7 12 30 3 341 1 274 78 3 42 4 1 86 4 0.19 WAX01270 176 177 0.33 84 694 17 7 10 27 3 309 1 247 70 3 40 3 1 81 5 0.15 WAX01271 177 178 0.62 + 127 952 20 8 15 35 3 384 1 346 98 5 56 4 1 83 5 0.15 WAX01272 178 179 0.52 + 62 860 19 7 13 32 3 353 1 309 87 3 50 <td< td=""><td></td><td>WAX01267</td><td>173</td><td>174</td><td>1.04 I</td><td>132</td><td>1020</td><td>21</td><td>8</td><td>16</td><td>36</td><td>3</td><td>407</td><td>1</td><td>360</td><td>102</td><td>3</td><td>56</td><td>4</td><td>1</td><td>91</td><td>5</td><td>0.21</td></td<>		WAX01267	173	174	1.04 I	132	1020	21	8	16	36	3	407	1	360	102	3	56	4	1	91	5	0.21
WAX01269 175 176 0.36+ 67 774 18 7 12 30 3 341 1 274 78 3 42 4 1 80 5 0.17 WAX01270 176 177 0.33 84 694 17 7 10 27 3 309 1 247 70 3 40 3 1 81 5 0.15 WAX01271 177 178 0.62+ 127 952 20 8 15 35 3 384 1 346 98 5 56 4 1 89 5 0.20 WAX01271 177 178 0.62+ 127 952 20 8 15 35 3 384 1 346 98 5 56 4 1 89 5 0.20 WAX01272 178 179 0.52+ 62 860 19 7 13 32 3 353 1 309 87 3 50 4<	-	WAX01268	174	175	0.72 t	65	893	20	7	15	35	3	360	1	325	91	3	51	4	1	86	4	0.19
WAX01270 176 177 0.33 84 694 17 7 10 27 3 309 1 247 70 3 40 3 1 81 5 0.15 WAX01271 177 178 0.62 + 127 952 20 8 15 35 3 384 1 346 98 5 56 4 1 89 5 0.20 WAX01271 177 178 0.62 + 127 952 20 8 15 35 3 384 1 346 98 5 56 4 1 89 5 0.20 WAX01272 178 179 0.52 + 62 860 19 7 13 32 3 353 1 309 87 3 50 4 1 83 5 0.18 WAX01273 179 180 0.58 + 52 806 17 6 13 29 3 329 1 281 79 4 44 <t< td=""><td>-</td><td>WAX01269</td><td>175</td><td>176</td><td>0.36 t</td><td>67</td><td>774</td><td>18</td><td>7</td><td>12</td><td>30</td><td>3</td><td>341</td><td>1</td><td>274</td><td>78</td><td>3</td><td>42</td><td>4</td><td>1</td><td>80</td><td>5</td><td>0.17</td></t<>	-	WAX01269	175	176	0.36 t	67	774	18	7	12	30	3	341	1	274	78	3	42	4	1	80	5	0.17
WAX01271 117 118 0.00 017 11 10 11 0 010 11 10 <td>-</td> <td>WAX01270</td> <td>176</td> <td>177</td> <td>0.33</td> <td>84</td> <td>694</td> <td>17</td> <td>7</td> <td>10</td> <td>27</td> <td>3</td> <td>309</td> <td>1</td> <td>247</td> <td>70</td> <td>3</td> <td>40</td> <td>3</td> <td>1</td> <td>81</td> <td>5</td> <td>0.15</td>	-	WAX01270	176	177	0.33	84	694	17	7	10	27	3	309	1	247	70	3	40	3	1	81	5	0.15
WAX01272 178 179 0.52 ± 62 860 19 7 13 32 3 353 1 309 87 3 50 4 1 83 5 0.18 WAX01272 178 179 0.52 ± 62 860 19 7 13 32 3 353 1 309 87 3 50 4 1 83 5 0.18 WAX01273 179 180 0.58 ± 52 806 17 6 13 29 3 329 1 281 79 4 44 4 1 78 5 0.17 WAX01274 180 0.58 ± 52 806 17 6 13 29 3 329 1 281 79 4 44 4 1 78 5 0.17 WAX01274 180 0.53 31 693 15 5 12 27 2 293 0 276 75 5 43 3 163 3<	-	WAX01271	177	178	0.62 +	127	952	20	. 8	15	35	3	384	1	346	98	5	56	4	1	89	5	0.20
WAX01273 179 180 0.58 + 52 806 17 6 13 29 3 329 1 281 79 4 44 4 1 78 5 0.17 WAX01273 179 180 0.58 + 52 806 17 6 13 29 3 329 1 281 79 4 44 4 1 78 5 0.17 WAX01274 180 181 0.23 31 693 15 5 12 27 2 293 0 276 75 5 43 3 1 63 3 0.15 WAX01275 181 182 0.36 33 847 18 7 13 33 3 366 1 327 91 6 51 4 1 79 4 0.18 WAX01276 182 183 0.36 29 909 19 7 14 35 3 390 1 349 97 5 55 4 <td>-</td> <td>WAX01272</td> <td>178</td> <td>179</td> <td>0.52+</td> <td>62</td> <td>860</td> <td>19</td> <td>7</td> <td>13</td> <td>32</td> <td>3</td> <td>353</td> <td>1</td> <td>309</td> <td>87</td> <td>3</td> <td>50</td> <td>4</td> <td>1</td> <td>83</td> <td>5</td> <td>0.18</td>	-	WAX01272	178	179	0.52+	62	860	19	7	13	32	3	353	1	309	87	3	50	4	1	83	5	0.18
WAX01274 180 181 0.23 31 693 15 5 12 27 2 293 0 276 75 5 43 3 1 63 3 0.15 WAX01275 181 182 0.36 33 847 18 7 13 33 3 366 1 327 91 6 51 4 1 79 4 0.18 WAX01276 182 183 0.36 29 909 19 7 14 35 3 390 1 349 97 5 55 4 1 80 4 0.20 WAX01277 183 184 0.48 48 829 18 7 13 32 3 355 1 309 86 3 50 4 1 80 4 0.20 WAX01277 183 184 0.48 48 829 18 7 <td>-</td> <td>WAX01273</td> <td>179</td> <td>180</td> <td>0.58 +</td> <td>52</td> <td>806</td> <td>17</td> <td>6</td> <td>13</td> <td>29</td> <td>3</td> <td>329</td> <td>1</td> <td>281</td> <td>79</td> <td>4</td> <td>44</td> <td>4</td> <td>1</td> <td>78</td> <td>5</td> <td>0.17</td>	-	WAX01273	179	180	0.58 +	52	806	17	6	13	29	3	329	1	281	79	4	44	4	1	78	5	0.17
WAX01275 181 182 0.36 29 909 19 7 14 35 3 366 1 327 91 6 51 4 1 79 4 0.18 WAX01275 181 182 0.36 29 909 19 7 14 35 3 390 1 349 97 5 55 4 1 80 4 0.20 WAX01277 183 184 0.48 + 48 829 18 7 13 32 3 355 1 309 86 3 50 4 1 80 4 0.20	-	WAX01274	180	181	0.001	31	603	15	5	12	23	2	2020	0	276	75	5	43	3	1	63	3	0.15
WAX01276 182 183 0.36 29 909 19 7 14 35 3 390 1 349 97 5 55 4 1 80 4 0.20 WAX01277 183 184 0.48 + 48 829 18 7 13 32 3 355 1 309 86 3 50 4 1 85 5 0.18	-	WAX01274	181	182	0.20	33	847	18	7	13	33		366	1	327	91	6	51	4	1	79	4	0.13
WAX01277 183 184 0.48 + 48 829 18 7 13 32 3 355 1 309 86 3 50 4 1 85 5 0.18	-	WAX01276	182	183	0.36	29	909	19	7	14	35	3	390	1	349	97	5	55	4	1	80	4	0.10
	-	WAX01277	183	184	0.48+	48	829	18	7	13	32	3	355	1	309	86	3	50	4	1	85	5	0.18



Sample ID	De	pth	Nb2O5	Ta2O5	Ce2O3	Dy2O3	Er2O3	Eu2O3	Gd2O3	Ho2O3	La2O3	Lu2O3	Nd2O3	Pr2O3	Sc2O3	Sm2O3	Tb2O3	Tm2O3	Y2O3	Yb2O3	TREO
	me	tres	%	ppm	ppm	ppm	%														
	From	То	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
WAX01278	184	185	0.83 t	18	988	21	7	15	36	3	394	1	351	98	4	56	4	1	92	5	0.21
WAX01279	185	186	0.61 I	11	855	19	7	13	31	3	366	1	300	85	2	48	4	1	86	5	0.18
WAX01280	186	187	0.55 t	11	725	16	6	11	27	3	312	1	260	73	3	41	3	1	76	5	0.16
WAX01281	187	188	0.7 t	7	798	16	7	12	29	3	336	1	275	79	3	44	3	1	79	5	0.17
WAX01282	188	189	0.82 t	8	913	19	7	14	32	3	381	1	317	90	3	50	4	1	83	5	0.19
WAX01283	189	190	1.05 I	11	917	19	7	14	34	3	366	1	323	92	4	52	4	1	89	5	0.19
WAX01284	190	191	0.91 I	18	837	18	7	13	31	3	352	1	304	85	3	48	4	1	86	5	0.18
WAX01285	191	192	0.5 t	10	738	17	7	12	29	3	332	1	269	76	3	43	4	1	82	5	0.16
WAX01286	192	193	0.75 t	10	835	19	7	14	32	3	344	1	307	86	3	50	4	1	89	5	0.18
WAX01287	193	194	0.7 t	9	775	18	7	12	30	3	339	1	281	80	4	45	4	1	86	5	0.17
WAX01288	194	195	1.08 I	13	905	20	8	14	35	3	368	1	324	92	4	51	4	1	92	6	0.19
WAX01289	195	196	0.77 t	8	901	21	8	14	36	3	412	1	342	95	2	55	4	1	101	6	0.20
WAX01290	196	197	0.76 t	8	878	20	8	14	34	3	389	1	322	90	2	52	4	1	98	6	0.19
WAX01291	197	198	0.49 t	2	716	17	7	11	28	3	336	1	259	74	2	42	3	1	86	6	0.16
WAX01292	198	199	0.39 t	4	694	18	7	12	28	3	335	1	253	73	2	40	4	1	88	5	0.16
WAX01293	199	200	0.56 t	7	782	18	7	13	31	3	345	1	282	79	2	45	4	1	87	5	0.17
WAX01294	200	201	0.5 t	8	1050	21	8	14	35	3	580	1	332	101	3	50	4	1	100	6	0.23
WAX01295	201	202	0.73 t	9	819	19	7	13	32	3	363	1	302	85	4	49	4	1	91	5	0.18
WAX01296	202	203	0.81 t	4	781	18	7	13	30	3	348	1	286	81	4	46	4	1	87	5	0.17
WAX01297	203	204	0.76 t	3	745	18	7	12	30	3	338	1	280	78	4	44	4	1	85	5	0.17
WAX01298	204	205	1.07 I	3	774	18	7	12	29	3	330	1	274	78	5	44	4	1	86	5	0.17
WAX01301	205	206	0.81 t	2	726	17	7	11	29	3	335	1	267	76	4	43	3	1	85	5	0.16
WAX01302	206	207	0.67 t	2	757	18	7	12	29	3	338	1	281	79	4	45	4	1	89	6	0.17
WAX01303	207	208	0.81 I	2	808	18	7	14	31	3	355	1	304	85	2	49	4	1	90	6	0.18
WAX01304	208	209	0.59 t	10	712	19	8	12	31	3	338	1	272	77	2	45	4	1	95	6	0.16
WAX01305	209	210	1.04 I	2	768	19	7	13	30	3	321	1	283	80	3	46	4	1	91	6	0.17
WAX01306	210	211	0.35	2	610	18	8	11	28	3	304	1	238	67	2	36	3	1	89	5	0.14
WAX01307	211	212	0.25	1	666	19	8	12	29	3	335	1	271	74	3	39	4	1	98	7	0.16
WAX01308	212	213	0.41 +	1	634	19	7	11	26	3	308	1	248	71	2	38	4	1	89	6	0.15
WAX01309	213	214	0.44 t	1	724	19	8	13	31	3	341	1	290	81	3	44	4	1	96	6	0.17
WAX01310	214	215	0.38 t	1	692	18	9	12	30	3	337	1	283	79	3	40	4	1	96	6	0.16
WAX01311	215	216	1.72 t	4	1045	25	9	19	42	4	463	1	412	117	3	62	5	1	113	6	0.23

ASX RELEASE



About WA1

WAI Resources Ltd is based in Perth, Western Australia and was admitted to the official list of the Australian Securities Exchange (ASX) in February 2022. WAI's shares are traded under the code WAI.

WAI's objective is to discover a Tier I deposit in Western Australia's under explored regions and create value for all stakeholders. We believe we can have a positive impact on the remote communities within the lands on which we operate. We will execute our exploration using a proven leadership team which has a successful track record of exploring in WA's most remote regions.

Forward-Looking Statements

This ASX Release may contain certain "forward-looking statements" which may be based on forward-looking information that are subject to a number of known and unknown risks, uncertainties, and other factors that may cause actual results to differ materially from those presented here. Where the Company expresses or implies an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and believed to have a reasonable For a more detailed basis. discussion of such risks and other factors, see the Company's Prospectus and Annual Reports, as well as the Company's other ASX Releases. Readers should not place undue reliance on forward-looking information.



The Company does not undertake any obligation to release publicly any revisions to any forward-looking statement to reflect events or circumstances after the date of this ASX Release, or to reflect the occurrence of unanticipated events, except as may be required under applicable securities laws.



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JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data

Criteria	Commentary
Sampling techniques	 Geological information referred to in this ASX Announcement was derived from a reverse circulation drill program. From every metre drilled a 2-3kg sample (split) was sampled into a calico bag via the rig mounted cone splitter. Single metre samples were collected and assayed as determined by the site geologist. All downhole metre samples for PARC003 have had laboratory analysis complete, the results of which have informed geological understanding and interpretation. Laboratory Analysis - Samples were analysed via lithium borate fusion (ME-MS81), where Nb triggered the upper detection limit (>5000ppm) XRF was used for the final determination via ALS method ME-XRF30.
Drilling techniques	Reverse Circulation (RC) drilling was completed at all holes to a diameter of 114mm.
Drill sample recovery	 Sample recovery was visually estimated for each metre. PARC003 had no sample recovery issues. The sample cyclone was routinely cleaned at the end of each 6m rod and when deemed necessary. No relationship has been determined between sample recovery and the mineralisation returned.
Logging	 Geological logging of drill holes was done on a visual basis with logging including lithology, mineralogy, texture, deformation, alteration, mineralisation, veining, colour and weathering. Logging of drill chips is qualitative and based on the presentation of representative chips retained for all 1m sample intervals in the chip trays. All drill holes were logged in their entirety.
Sub-sampling techniques and sample preparation	 RC Drilling From every metre drilled, a 2-3kg sample was sub-sampled into a calico bag via the drill rig cyclone splitter. Analytical QC is monitored by the laboratory using standards and repeat assays which was in-turn internally reviewed by WA1. Single metre samples were also collected and assayed as determined by the site geologist.
Quality of assay data and laboratory tests	 All 1m splits were analysed via lithium borate fusion via ALS method ME-MS81 with XRF determination where required, via ME-XRF30. The element promethium (Pm) is not included in the assays or TREO calculations. Standard laboratory QAQC was undertaken and monitored by the laboratory and then by WA1 upon receipt of assay results. Lab QAQC protocol for XRF analysis includes a quartz blank at the beginning of every run, whilst the XRF is calibrated using internal lab standards. Over-limit assays were completed via Lithium Borate Fusion ALS Method ME-MS81, where the upper detection limit was exceeded XRF determinations were completed via ALS Method ME-XRF30



Criteria	Commentary
Verification of sampling and assaying	 Drill chips have been viewed and assessed by WAI's Exploration Manager for mineralogy and alteration. Mineralised intersections have been verified against the downhole geology. Independent petrographic analysis of selected drill chips completed by A&A Crawford Geological Research Consultants Pty Ltd. Logging and sampling completed manually in the field and then recorded directly into a digital logging system. No twinned holes have been drilled at this time. No sample bias is known at this time.
Location of data points	 Drill hole collars were surveyed and recorded using a DGPS. All co-ordinates are provided in the MGA94 UTM Zone 52 co- ordinate system with an estimated accuracy of +/-5m. Azimuth and dip of the drill hole was recorded after completion of the hole using a gyro. A reading was taken every 50m with an accuracy of +/-1 degree azimuth and +/-0.3 degree dip.
Data spacing and distribution	 See drill hole table (Table 1) for hole position and details. Data spacing at this stage is not suitable for Mineral Resource Estimation.
Orientation of data in relation to geological structure	 The orientation of mineralisation is poorly constrained with only one RC hole having been drilled at the P2 target and three RC holes drilled at the Luni target, respectively. See drill hole table for hole details and the text of this announcement for discussion regarding the orientation of holes. Drill holes were designed based on observations from modelled geophysical data. True and apparent widths have not been interpreted from the available data.
Sample security	 Sample security is not considered a significant risk with WAI staff present during collection. All geochemical samples were collected, bagged and sealed by WAI staff, and delivered to Port Hedland for haulage directly to ALS Laboratories in Perth. Im splits were stored in a secure location for later laboratory analyses.
Audits or reviews	• The program is reviewed on an ongoing basis by senior WA1 staff.

Section 2 Reporting of Exploration Results (Criteria listed in the preceding section also apply to this section.)

Criteria	Commentary
Mineral tenement and land tenure status	 All work completed and reported in this ASX Announcement was completed on E80/5173 which is 100% owned by WA1 Resources Ltd. The Company also currently holds two further granted Exploration Licences and eight Exploration Licence Applications within the area of the West Arunta Project.
Exploration done by other parties	 The West Arunta Project has had limited historic work completed within the Project area with the broader area having exploration focused on gold, base metals, diamonds and potash. Significant previous explorers of the Project area include Beadell Resources and Meteoric Resources. Only one drill hole (RDD01)



Criteria	Commentary
	 has been completed within the tenement area by Meteoric in 2009, and more recently a second hole proximate to the Project by Encounter Resources Ltd in 2020. Most of the historic work was focused on the Urmia and Sambhar Prospects with historic exploration (other than RDD01) being limited to geophysical surveys and surface sampling. Historical exploration reports are referenced within the WA1 Resources Ltd Prospectus dated 29 November 2021 which was released by ASX on 4 February 2022.
Geology	 The West Arunta Project is located within the West Arunta Orogen, representing the western-most part of the Arunta Orogen which straddles the Western Australia-Northern Territory border. Outcrop in the area is generally poor, with bedrock largely covered by Tertiary sand dunes and spinifex country of the Gibson Desert. As a result, geological studies in the area have been limited, and a broader understanding of the geological setting is interpreted from early mapping as presented on the MacDonald (Wells, 1968) and Webb (Blake, 1977 (First Edition) and Spaggiari et al., 2016 (Second Edition)) 1:250k scale geological map sheets. The West Arunta Orogen is considered to be the portion of the Arunta Orogen commencing at, and west of, the Western Australia-Northern Territory border. It is characterised by the dominant west-north-west trending Central Australian Suture, which defines the boundary between the Aileron Province to the north and the Warumpi Province to the south. The broader Arunta Orogen itself includes both basement and overlying basin sequences, with a complex stratigraphic, structural and metamorphic history extending from the Paleoproterozoic to the Paleozoic (Joly et al., 2013).
Drill hole Information	Refer to Table 1 for drill hole details.
Data aggregation methods Relationship between mineralisation widths and intercept lengths	 Significant intercepts are weight averaged by length. No metal equivalents have been reported. The true thickness of the mineralisation intersected in the drill hole is not currently able to be calculated due to limited data.
Diagrams	Refer to Figures provided within this ASX Announcement.
Balanced reporting	• All meaningful information has been included in the body of the text.
Other substantive exploration data	 All material data and information has been included in the body of this ASX Announcement. No metallurgical assessments have been completed.
Further work	 Further interpretation of drill data and assay results will be completed over the coming months. Additional geophysical surveys are being completed to aid interpretation and planning of future work programs. Additional exploration drilling is being planned.