PILBARA MINERALS
LIMITED
ACN 112-425-788

ASX ANNOUNCEMENT **27th October, 2014**

OUTSTANDING DRILLING RESULTS REVEAL MORE HIGH-GRADE TANTALUM AT TABBA TABBA PROJECT, WA

EXTENSIONS POINT TO RESOURCE UPGRADE AND LONGER MINE LIFE; IN-FILL DRILLING CONFIRMS ROBUST ORE RESERVE WITH PREPARATIONS FOR START OF PRODUCTION AND CASH-FLOW WELL UNDERWAY

HIGHLIGHTS:

- **Highly encouraging assays of up to 5,070ppm Ta_2O_5 (tantalum)** returned from mineralised zones outside of the current resource model at Tabba Tabba Tantalum Project, with results including:
    - **5m @ 1,856ppm Ta_2O_5** incl. **3m @ 2,860ppm Ta_2O_5** from 7m (TTRC1435);
    - **7m @ 1,361ppm Ta_2O_5** incl. **5m @ 1,836ppm Ta_2O_5** from 7m (TTRC1410);
    - **4m @ 505ppm Ta_2O_5** incl. **1m @ 1,290ppm Ta_2O_5** from 23m (TTRC1428); and
    - **9m @ 463ppm Ta_2O_5 incl**. **3m @ 853ppm Ta_2O_3** from 17m.

- **Significant drilling intercepts extend northern pegmatite zones** and provide focus for next phase of drilling.

- **Results confirm robustness and grade of the initial Tabba Tabba Ore Reserve** (154kt @ 1,220ppm Ta_2O_5 for 455,000lbs of contained Ta_2O_5) ahead of the planned start-up of mining later this year.

- **Drilling to commence shortly at Pilgangoora Tantalum-Lithium Project**, located 55km from Tabba Tabba. All statutory approvals now received.

Pilbara Minerals Ltd (ASX: PLS) is pleased to announce that it has confirmed the potential for significant extensions to the high-grade tantalite resource at its **Tabba Tabba Tantalum Project** in WA, paving the way for potential additions to its reserve inventory and mine life, after receiving excellent results from recently completed drilling.

The Company has received all assay results from the recent in-fill and extensional drilling program at the Tabba Tabba Project ahead of the planned commencement of mining and production later this year. The Tabba Tabba Project (a 50/50 joint venture between Pilbara and Nagrom Mining Pty Ltd) is located 75km south-east of Port Hedland in WA's Pilbara region.

In September, Pilbara completed 38 Reverse Circulation (RC) holes for a total of 1,386m. The program was designed to test extensions to the known mineralisation as well as in-fill the existing mine reserve model to assist with grade control and provide additional resource information prior to mining start-up.

The results contain numerous intercepts above the resource lower cut-off grade of 100ppm Ta_2O_5 and also numerous intercepts above the Mining Reserve lower cut-off grade of 275ppm (Table 1.). The results also reflect the very robust and high-grade nature of the current Mining Reserve, supporting the Company's early production plans.

Assays from the recently completed drilling program returned individual intercepts of up to **5,070ppm Ta_2O_5**, consistent with the interpreted resource and reserve model. Drilling intercepts of >100ppm **Ta_2O_5** are detailed in Table 1, with results >300ppm **Ta_2O_5** highlighted in yellow.

Highlights are presented below, clearly illustrating the high-grade nature of this deposit:

TTRC1404:	5m @ 524ppm **Ta_2O_5** including 1m @ 1910ppm **Ta_2O_5** from 46m
TTRC1406:	4m @ 455ppm **Ta_2O_5** including 2m @ 725ppm **Ta_2O_5** from 44m
TTRC1410:	7m @ 1361ppm **Ta_2O_5** including 5m @ 1836ppm **Ta_2O_5** from 7m
TTRC1418:	4m @ 505ppm **Ta_2O_5** including 1m @ 1290ppm **Ta_2O_5** from 23m
TTRC1421:	12m @ 567ppm **Ta_2O_5**, including 4m @ 1255ppm **Ta_2O_5** from 6m
TTRC1434:	9m @ 463ppm **Ta_2O_5**, including 3m @ 853ppm **Ta_2O_5** from 17m
TTRC1435:	5m @1856 ppm **Ta_2O_5**, including 3m @ 2860ppm **Ta_2O_5** from 7m

Pilbara's Executive Director, Mr Neil Biddle, said the Company was delighted with the results of the drilling, which had achieved both its key objectives, namely to in-fill and provide additional confidence in the reserve model ahead of the start-up of mining and to confirm the likelihood of significant extensions to the high-grade tantalite resource.

"While additional work will be required to include these extensions into a new resource, and ultimately convert them into Ore Reserves, we have clearly been able to confirm the potential to extend our mine life beyond the initial two years envisaged by the Definitive Feasibility Study.

"At Tabba Tabba, our focus now turns to completing the updated resource and finalising the outstanding approvals required to commence on-site construction, which we are expecting in the coming weeks.

"From an exploration perspective, we have now received all statutory approvals and clearances for the next phase of drilling at our 100%-owned Pilgangoora Tantalum-Lithium Project which will commence shortly," Mr Biddle added.

"This demonstrates clearly that we are continuing to deliver on our dual strategy of delivering early production and cash-flow at Tabba Tabba, while at the same time pursuing potentially company-changing growth through exploration at Pilgangoora."

Results – Detailed Discussion

Significant intercepts of pegmatite were logged in shallow drilling underneath the main outcrop zone in the central part of the Tabba Tabba deposit. Results from drill hole TTRC 1434 returned **9m @ 463ppm Ta_2O_5** from 17m and TTRC1435 returned **3m @ 487ppm Ta_2O_5** from 2m and **5m @ 1,856ppm Ta_2O_5** from 7m (See Figure 1 for Drill hole location plan).

The up-dip portion of the main pegmatite body was also tested by drill holes TTRC1407, TTRC1408 and TTRC 1410. **TTRC1410** returning an exceptional result of **7m @ 1,361ppm Ta_2O_5** from surface and identified a potentially economic second zone of **4m @ 263ppm Ta_2O_5** from 8m. TTRC1407 returned **4m @ 328 Ta_2O_5** (including **2m @ 495ppm Ta_2O_5**). **Both of these intersections are outside of the current pit design.**

The increased density of drilling has further defined the near-surface mineralisation for the commencement of mining and will assist with producing a more accurate resource model near-surface.

A series of holes were designed to intersect pegmatite to the south and east of the main zone with the aim of extending mineralization at depth. Drill holes TTRC 1440 and TTRC1437 were drilled to depths of 54m some 20m below the final pit design depth and effectively close off the mineralisation to the south-east.

Drill holes TTRC1401 to TTRC1406 all intersected pegmatites below the current pit design. Significant intersections including **5m @ 524ppm Ta_2O_5 from 46m (**TTRC1404), **2m @ 205ppm Ta_2O_5** from 51m (TTRC1405) and **4m @ 455ppm Ta_2O_5** from 45m (TTRC11406) all have the potential to add to the overall Mineral Resource.

Encouraging results were also returned at the northern end of the pegmatite field. Drill holes TTRC1419, and particularly TTRC1421 returned excellent results including **12m @ 567ppm Ta_2O_5 (including 4m @ 1,255ppm Ta_2O_5)**.

At 10350mN, drill holes TTRC1422 and TTRC1423 returned wide, lower grade mixed gabbro/pegmatite intercepts possibly reflecting a late north trending shear. Consistent pegmatite intercepts and grades were returned from 10400mN to 10525mN, confirming the resource model and extending mineralisation beyond the boundaries of the current JORC Mineral Resource.

The northernmost hole**, TTRC1431, intersected 4m @ 358ppm Ta_2O_5 from 9m and 2m @ 545ppm Ta_2O_5 from 15m**. These holes indicate the potential for stacked pegmatite lodes to continue for some distance to the north of the current resource model. Further drilling will be required to fully evaluate the potential of this zone (See Figure 1 for Drill hole location plan).

The south-western pegmatite included in the mine design enters the main pit at approximately 10300mN (see Figure 1). This pegmatite zone required further in-fill and extensional drilling to the south. Drill holes TTRC12 to TTRC18 all intersected this pegmatite with drill holes TTRC12, TTRC13 and TTRC15 returning values >100ppm **Ta_2O_5** and, interestingly, **up to 0.41% Sn** (tin).

Ore grade tin intersections indicate the south western pegmatite may be genetically linked to other southern Tabba Tabba pegmatites with historical tin intersections. Two exploration holes were drilled south of and outside of the current pit design, TTRC 1432 and TTRC1433. These holes returned significant intersections of 2m @ 210 ppm Ta_2O_5 and 3m @ 163ppm Ta_2O_5 respectively, also with accessory tin values of up to 0.16% Sn. Apart from these two holes the southern pegmatites were unable to be drilled in this program as statutory approval and heritage clearances have yet to be conducted in this area. It is proposed to drill these areas in the first half of 2015.

It is proposed that an additional drill rig will be mobilised to Tabba Tabba during November/December to complete the drill out of the northern zone and also complete follow up drilling where necessary in the Central Zone.

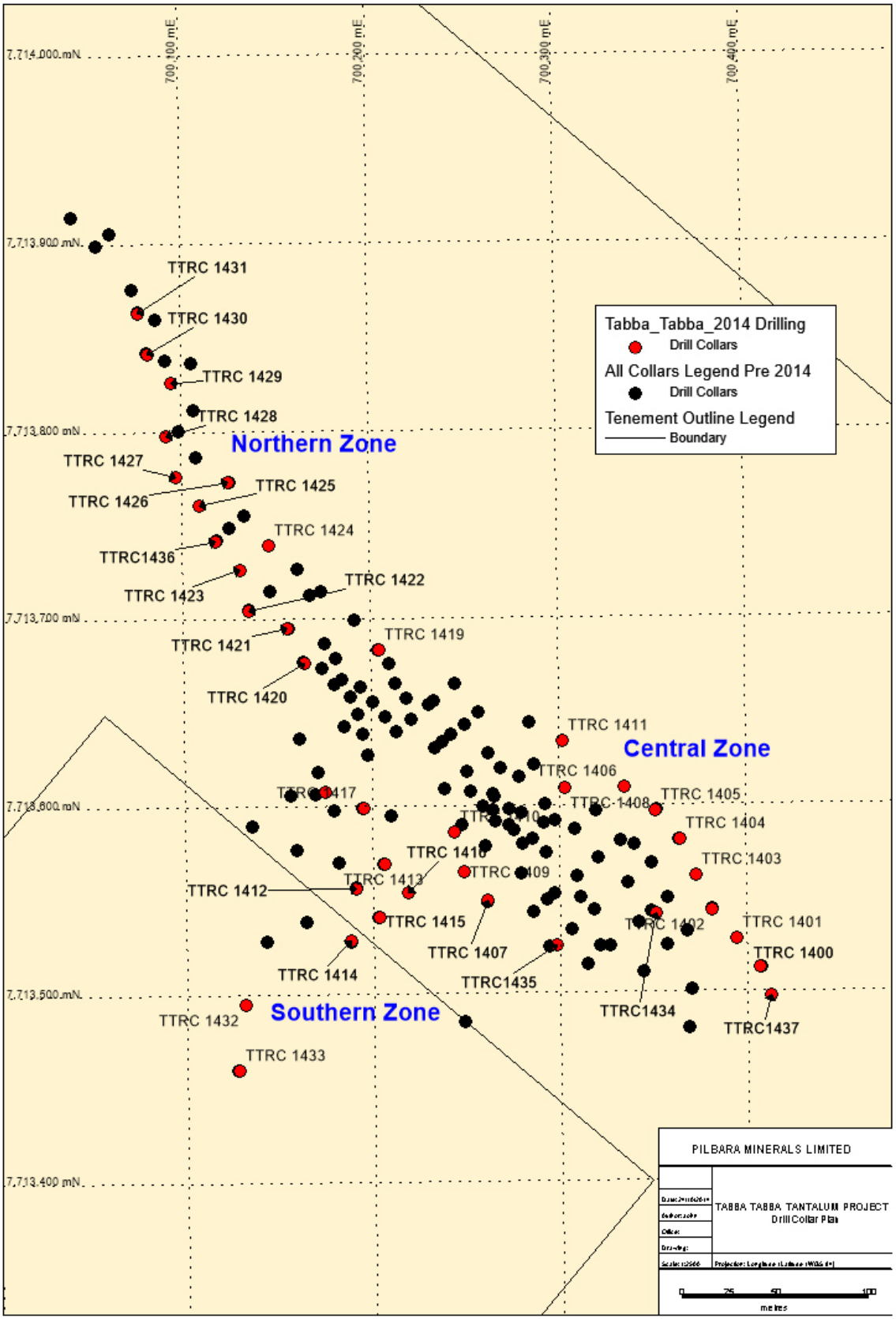

Figure 1 –Tabba Tabba Drill hole Location Plan

Table 1 – Tabba Tabba RC Drill Results >100ppm Ta_2O_5

HOLE_ID	North local	East Local	East GDA	North GDA	FROM (m)	TO (m)	Width (m)	Ta2O5 (ppm)
TTRC1400	10040	20000	700407	7713513	NSR			
TTRC1401	10060	20000	700394	7713528	45	46	1	120
TTRC1402	10080	20000	700381	7713544	35	36	1	760
TTRC1403	10100	20005	700373	7713562	35	36	1	190
TTRC1404	10120	20010	700364	7713581	27	29	2	205
TTRC1404	10120	20010	700364	7713581	49	51	2	524
TTRC1404	10120	20010	700364	7713581		inc	1	1910
TTRC1405	10140	20000	700352	7713597	51	53	2	250
TTRC1406	10160	20005	700335	7713609	23	24	1	100
TTRC1406	10160	20005	700335	7713609	25	26	1	190
TTRC1406	10160	20005	700335	7713609	43	48	5	455
TTRC1407	10160	19910	700261	7713549	6	10	4	328
TTRC1408	10180	19980	700303	7713609	22	27	5	186
TTRC1409	10180	19910	700249	7713565	0	2	2	140
TTRC1409	10180	19910	700249	7713565	3	9	6	183
TTRC1409	10180	19910	700249	7713565	10	13	3	203
TTRC1410	10200	19920	700244	7713586	0	7	7	1361
TTRC1410	10200	19920	700244	7713586		inc	5	1836
TTRC1410	10200	19920	700244	7713586	8	12	4	263
TTRC1411	10200	19995	700302	7713634	33	39	6	376
TTRC1411	10200	19995	700302	7713634	46	48	2	196
TTRC1412	10210	19860	700191	7713557	5	6	1	820
TTRC1412	10210	19860	700191	7713557	7	10	3	183
TTRC1413	10210	19880	700206	7713569	6	7	1	170
TTRC1413	10210	19880	700206	7713569	8	10	2	175
TTRC1414	10190	19840	700188	7713528	NSR			
TTRC1415	10190	19860	700203	7713541	18	19	1	240
TTRC1416	10190	19880	700219	7713554	NSR			
TTRC1417	10240	19890	700195	7713599	0	3	3	173
TTRC1417	10240	19890	700195	7713599	12	17	5	138
TTRC1418	10260	19880	700175	7713608	13	14	1	100
TTRC1418	10260	19880	700175	7713608	16	18	2	170
TTRC1418	10260	19880	700175	7713608	21	22	1	100
TTRC1418	10260	19880	700175	7713608	23	27	4	505
TTRC1418	10260	19880	700175	7713608		inc	1	1290
TTRC1419	10300	19950	700204	7713683	34	37	3	267
TTRC1419	10300	19950	700204	7713683	38	39	1	210
TTRC1419	10300	19950	700204	7713683	47	48	1	690
TTRC1420	10320	19915	700164	7713677	5	6	1	130
TTRC1420	10320	19915	700164	7713677	7	15	8	256
TTRC1420	10320	19915	700164	7713677	19	21	2	120
TTRC1420	10320	19915	700164	7713677	40	41	1	290

HOLE_ID	North local	East Local	East GDA	North GDA	FROM (m)	TO (m)	Width (m)	Ta2O5 (ppm)
TTRC1421	10340	19920	700156	7713695	6	18	12	567
TTRC1421	10340	19920	700156	7713695		inc	4	1255
TTRC1422	10360	19910	700135	7713705	NSR			
TTRC1423	10380	19910	700131	7713726	NSR			
TTRC1424	10380	19930	700146	7713739	28	29	1	200
TTRC1424	10380	19930	700146	7713739	30	32	2	275
TTRC1425	10420	19925	700109	7713761	1	2	1	180
TTRC1425	10420	19925	700109	7713761	10	11	1	210
TTRC1425	10420	19925	700109	7713761	19	22	3	160
TTRC1426	10420	19945	700125	7713773	15	19	4	270
TTRC1426	10420	19945	700125	7713773	20	21	1	120
TTRC1426	10420	19945	700125	7713773	25	30	5	252
TTRC1426	10420	19945	700125	7713773		inc	1	620
TTRC1427	10440	19925	700097	7713776	0	1	1	100
TTRC1427	10440	19925	700097	7713776	3	4	1	2340
TTRC1427	10440	19925	700097	7713776	9	10	1	230
TTRC1427	10440	19925	700097	7713776	11	16	5	220
TTRC1427	10440	19925	700097	7713776		inc	1	470
TTRC1428	10460	19935	700092	7713798	6	7	1	100
TTRC1428	10460	19935	700092	7713798	8	9	1	240
TTRC1428	10460	19935	700092	7713798	13	15	2	635
TTRC1428	10460	19935	700092	7713798	16	17	1	110
TTRC1429	10480	19955	700095	7713826	9	11	2	110
TTRC1429	10480	19955	700095	7713826	18	20	2	255
TTRC1429	10480	19955	700095	7713826	21	25	4	205
TTRC1430	10500	19955	700082	7713842	4	6	2	125
TTRC1430	10500	19955	700082	7713842	7	8	1	200
TTRC1430	10500	19955	700082	7713842	10	14	4	255
TTRC1431	10520	19965	700077	7713864	9	13	4	358
TTRC1431	10520	19965	700077	7713864	15	17	2	545
TTRC1432	10200	19775	700131	7713495	13	14	1	170
TTRC1432	10200	19775	700131	7713495	17	19	2	210
TTRC1433	10175	19750	700127	7713460	15	16	1	300
TTRC1433	10175	19750	700127	7713460	17	20	3	163
TTRC1434	10100	19975	700349	7713543	17	26	9	463
TTRC1434	10100	19975	700349	7713543		inc	3	853
TTRC1435	10120	19920	700298	7713525	2	5	3	487
TTRC1435	10120	19920	700298	7713525	7	12	5	1856
TTRC1436	10400	19920	700118	7713742	11	16	5	370
TTRC1436	10400	19920	700118	7713742		inc	2	615
TTRC1437	10025	19995	686390	7714972	NSR			

*NSR denotes no significant results

Assay Results

Pilbara collected a total of 498 drill samples (excluding duplicates). Samples were collected via a rig mounted cyclone & side splitter into calico draw string sample bags. Samples were a consistent size, ranging from 3 to 5 kg in size. Samples were selected either side of pegmatite intercepts to ensure full analytical coverage.

All RC samples were collected dry. RC samples in polyweave bags were driven to Regal Transport in Port Hedland for dispatch to the Nagrom Laboratory in Perth. Blank, duplicate & standard samples were collected as per the PLS sampling regime.

Analysis was completed by Nagrom Laboratories using their standard Tin Suite by XRF analysis and Mixed Acid digest with ICP finish. Samples are sorted, dried, crushed, splitting to 2kg and pulverised to 80% passing -75um. Analysis was completed for Li, SiO_2, Fe_2O_3, MnO, MgO, Ta_2O_5, Nb_2O_5, Sn, P_2O_5, SO_3, CaO, K_2O, Na_2O, BaO, TiO_2, Al_2O_3, PbO, As, LOI1000, ThO_2, U_3O_8 (See Appendix 1 for Li, Ta Ta_2O_5 Nb_2O_5, Sn).

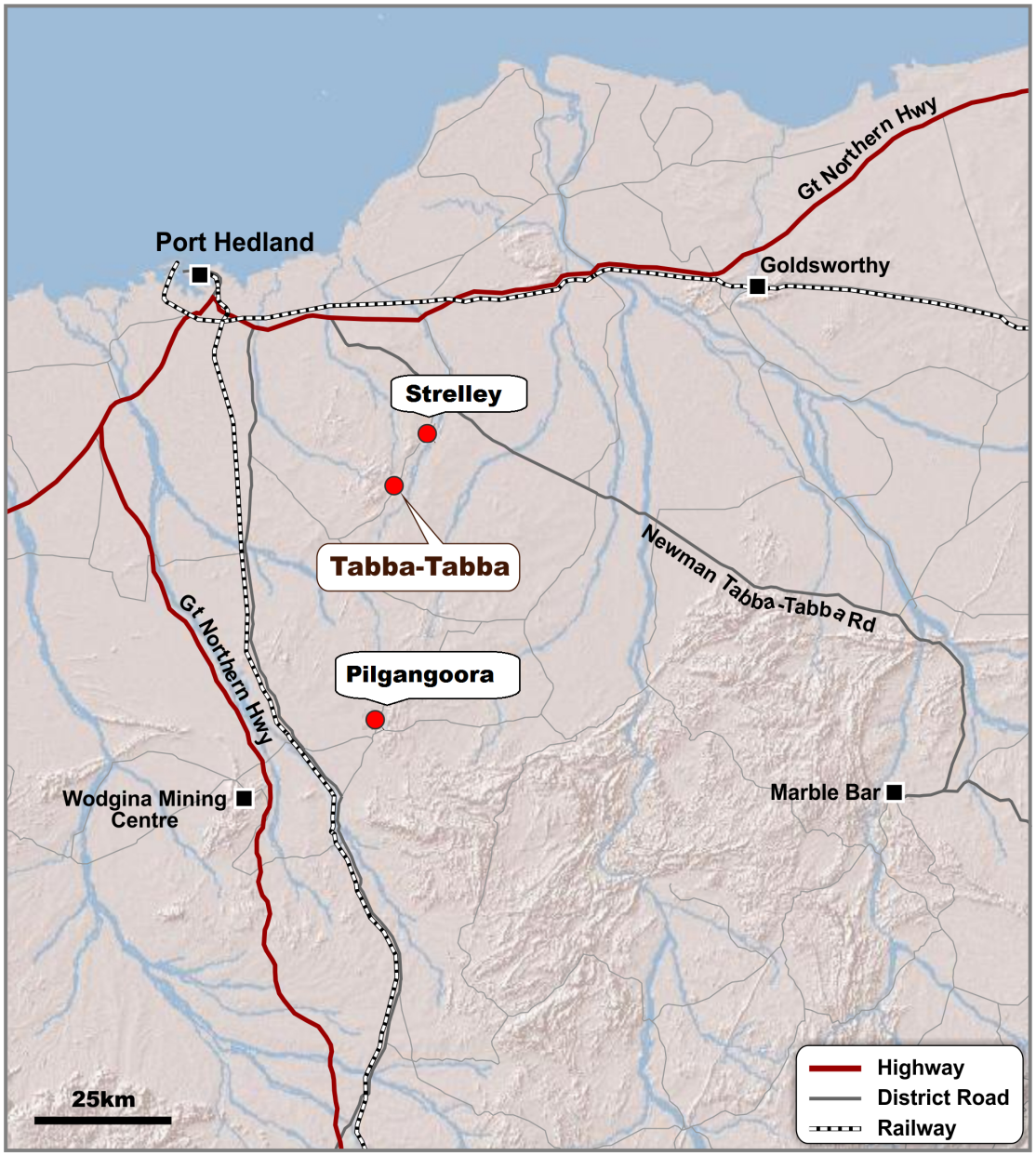

Figure 1: Location Plan Tabba Tabba Project

More Information:

What is Lithium?

Lithium (Li) is recovered from the mineral spodumene and lithium-rich brines. It is used in a range of products such as ceramics, glass, batteries and pharmaceuticals. Lithium use has expanded significantly in recent years due to increasing use in rechargeable batteries in portable electronic devices and in batteries and electric motors for hybrid and electric cars.

What is Tantalum?

The primary source of tantalum is from minerals such as tantalite, columbite, wodginite and microlite contained in pegmatite ore bodies. The largest deposits are located in Australia, Brazil and Africa. Tantalum's **major use is** in the production of electronic components, **especially for capacitors,** with additional use in components for chemical plants, nuclear power plants, airplanes and missiles. It is also used as a substitute for platinum.

The tantalum market is boutique in size with around 1,300 tonnes required each year. However the market is rapidly growing due to capacitor use in wireless and handheld devices. PLS's Tabba Tabba Project could supply approximately 7% of the annual market consumption over two years. There are two major buyers of tantalum raw product worldwide: HC Starck and Global Advanced Metals.

--- ENDS ---

Contact:

Neil Biddle
Director
Ph: (0418) 915 752

Competent Person's 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 (Executive and Chief Geologist of Pilbara Minerals Limited). Mr Young is a shareholder of Pilbara Minerals. 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.

The Company confirms it is not aware of any new information or data that materially affects the information included in the December 18, 2013 Tabba Tabba Mineral Resource Estimate and that all material assumptions and technical parameters underpinning the estimate continue to apply and have not materially changed when referring to its maiden resource announcement made on December 18, 2013.

The Company confirms it is not aware of any new information or data that materially affects the information included in the February 19, 2014 Mineral Reserve Estimate and that all material assumptions and technical parameters underpinning the estimate continue to apply and have not materially changed when referring to its maiden resource announcement made on February 19, 2014.

APPENDIX 1

Pilbara Minerals Limited Exploration Results – Drilling Assays (to be read in conjunction with JORC Table 1)

					Li ICP005 ppm	Ta2O5 XRF007 ppm	Ta2O5 XRF007 %	Nb2O5 XRF007 %	Sn XRF007 %
Hole ID	**From**	**To**	**Sample Numer**	**Duplicate**	**10**	**10**	**0.001**	**0.001**	**0.001**
TTRC1401	BLANK		4090001		<10	<10	<0.001	<0.001	0.002
TTRC1401	42	43	4090002		220	<10	<0.001	0.001	0.004
TTRC1401	43	44	4090003		100	80	0.008	0.006	0.005
TTRC1401	44	45	4090004		120	90	0.009	0.006	0.004
TTRC1401	45	46	4090005		10	120	0.012	0.011	0.004
TTRC1401	46	47	4090006		130	40	0.004	0.004	0.007
TTRC1401	47	48	4090007		180	20	0.002	0.003	0.006
TTRC1402	33	34	4090008		210	<10	<0.001	0.002	0.002
TTRC1402	34	35	4090009		230	10	0.001	0.003	0.003
TTRC1402	BLANK		4090010		<10	<10	<0.001	<0.001	<0.001
TTRC1402	35	36	4090011		120	760	0.076	0.107	0.006
TTRC1402	36	37	4090012		520	60	0.006	0.009	0.009
TTRC1402	37	38	4090013		500	<10	<0.001	0.003	0.006
TTRC1402	38	39	4090014		440	<10	<0.001	0.001	0.003
TTRC1403	31	32	4090015		440	70	0.007	0.003	0.007
TTRC1403	32	33	4090016		290	<10	<0.001	0.003	0.003
TTRC1403	33	34	4090017		600	10	0.001	0.002	0.008
TTRC1403	34	35	4090018		400	40	0.004	0.005	0.009
TTRC1403	35	36	4090019		150	190	0.019	0.025	0.005
TTRC1403	36	37	4090020		410	20	0.002	0.005	0.004
TTRC1403	36	37	4090021	DUPLICATE	430	30	0.003	0.005	0.003
TTRC1434	15	16	4090022		160	<10	<0.001	<0.001	0.003
TTRC1434	16	17	4090023		550	<10	<0.001	0.002	0.006
TTRC1434	17	18	4090024		590	910	0.091	0.116	0.015
TTRC1434	STANDARD TAN-1		4090025		890	2890	0.289	0.027	0.079
TTRC1434	18	19	4090026		310	990	0.099	0.086	0.035
TTRC1434	19	20	4090027		60	660	0.066	0.008	0.011
TTRC1434	20	21	4090028		80	210	0.021	0.006	0.007
TTRC1434	21	22	4090029		100	340	0.034	0.009	0.010
TTRC1434	22	23	4090030		60	210	0.021	0.008	0.008
TTRC1434	23	24	4090031		80	200	0.020	0.007	0.008
TTRC1434	24	25	4090032		70	420	0.042	0.040	0.019
TTRC1434	25	26	4090033		820	230	0.023	0.023	0.016
TTRC1434	26	27	4090034		1360	70	0.007	0.007	0.013
TTRC1434	27	28	4090035		290	20	0.002	0.003	0.004
TTRC1404	24	25	4090036		170	<10	<0.001	0.001	0.003
TTRC1404	25	26	4090037		600	<10	<0.001	0.001	0.007
TTRC1404	26	27	4090038		160	<10	<0.001	0.002	0.003
TTRC1404	27	28	4090039		300	150	0.015	0.013	0.022
TTRC1404	28	29	4090040		50	260	0.026	0.032	0.005
TTRC1404	28	29	4090041	DUPLICATE	60	190	0.019	0.025	0.005
TTRC1404	29	30	4090042		430	20	0.002	0.005	0.005
TTRC1404	30	31	4090043		420	<10	<0.001	0.003	0.003
TTRC1404	44	45	4090044		910	<10	<0.001	0.001	0.005

Hole ID	From	To	Sample Number	Duplicate	Li ICP005 ppm 10	Ta2O5 XRF007 ppm 10	Ta2O5 XRF007 % 0.001	Nb2O5 XRF007 % 0.001	Sn XRF007 % 0.001
TTRC1404	45	46	4090045		850	<10	<0.001	0.003	0.005
TTRC1404	46	47	4090046		290	120	0.012	0.007	0.007
TTRC1404	47	48	4090047		910	130	0.013	0.007	0.010
TTRC1404	48	49	4090048		2600	170	0.017	0.007	0.014
TTRC1404	49	50	4090049		810	1910	0.191	0.051	0.030
TTRC1404	50	51	4090050		600	290	0.029	0.032	0.007
TTRC1404	51	52	4090051		1180	30	0.003	0.002	0.004
TTRC1404	56	57	4090052		740	<10	<0.001	0.002	0.004
TTRC1404	57	58	4090053		610	80	0.008	0.003	0.007
TTRC1404	58	59	4090054		560	40	0.004	0.006	0.005
TTRC1404	59	60	4090055		600	60	0.006	0.004	0.008
TTRC1405	28	29	4090056		390	<10	<0.001	0.002	0.004
TTRC1405	29	30	4090057		140	<10	<0.001	0.002	0.002
TTRC1405	30	31	4090058		130	30	0.003	0.003	0.006
TTRC1405	31	32	4090059		70	60	0.006	0.013	0.004
TTRC1405	BLANK		4090060		<10	<10	<0.001	<0.001	<0.001
TTRC1405	32	33	4090061		340	50	0.005	0.006	0.007
TTRC1405	32	33	4090062	DUPLICATE	320	50	0.005	0.008	0.008
TTRC1405	33	34	4090063		500	<10	<0.001	0.003	0.004
TTRC1405	34	35	4090064		420	<10	<0.001	0.002	0.003
TTRC1405	49	50	4090065		1370	<10	<0.001	0.002	0.002
TTRC1405	50	51	4090066		860	<10	<0.001	0.002	0.005
TTRC1405	51	52	4090067		720	260	0.026	0.029	0.012
TTRC1405	52	53	4090068		790	240	0.024	0.023	0.007
TTRC1435	1	2	4090069		680	40	0.004	0.008	0.018
TTRC1435	2	3	4090070		2760	210	0.021	0.013	0.039
TTRC1435	3	4	4090071		440	740	0.074	0.004	0.011
TTRC1435	4	5	4090072		180	510	0.051	0.001	0.004
TTRC1435	5	6	4090073		70	<10	<0.001	<0.001	0.001
TTRC1435	6	7	4090074		90	<10	<0.001	0.001	0.001
TTRC1435	STANDARD NCS DC 86306		4090075		3580	640	0.064	0.046	0.010
TTRC1435	7	8	4090076		760	1440	0.144	0.008	0.022
TTRC1435	8	9	4090077		750	5070	0.507	0.021	0.058
TTRC1435	9	10	4090078		120	2070	0.207	0.060	0.029
TTRC1435	10	11	4090079		900	340	0.034	0.021	0.019
TTRC1435	11	12	4090080		570	360	0.036	0.026	0.017
TTRC1435	11	12	4090081	DUPLICATE	680	340	0.034	0.027	0.020
TTRC1435	12	13	4090082		760	60	0.006	0.005	0.012
TTRC1435	13	14	4090083		180	<10	<0.001	0.003	0.004
TTRC1435	14	15	4090084		130	<10	<0.001	0.002	0.004
TTRC1407	0	1	4090085		910	70	0.007	0.007	0.006
TTRC1407	1	2	4090086		2820	<10	<0.001	<0.001	0.004
TTRC1407	2	3	4090087		740	60	0.006	0.004	0.006
TTRC1407	3	4	4090088		510	50	0.005	0.008	0.015
TTRC1407	4	5	4090089		720	60	0.006	0.008	0.024
TTRC1407	5	6	4090090		240	60	0.006	0.001	0.010
TTRC1407	6	7	4090091		580	630	0.063	0.020	0.018
TTRC1407	7	8	4090092		680	360	0.036	0.024	0.016

Hole ID	From	To	Sample Number	Duplicate	Li ICP005 ppm 10	Ta2O5 XRF007 ppm 10	Ta2O5 XRF007 % 0.001	Nb2O5 XRF007 % 0.001	Sn XRF007 % 0.001
TTRC1407	8	9	4090093		390	160	0.016	0.019	0.007
TTRC1407	9	10	4090094		330	160	0.016	0.017	0.010
TTRC1407	10	11	4090095		670	40	0.004	0.003	0.008
TTRC1407	11	12	4090096		440	<10	<0.001	<0.001	0.004
TTRC1409	0	1	4090097		1680	140	0.014	0.012	0.022
TTRC1409	1	2	4090098		1670	140	0.014	0.009	0.025
TTRC1409	2	3	4090099		1900	80	0.008	0.010	0.031
TTRC1409	3	4	4090100		1370	110	0.011	0.015	0.026
TTRC1409	3	4	4090101	DUPLICATE	1550	90	0.009	0.016	0.031
TTRC1409	4	5	4090102		1360	110	0.011	0.010	0.025
TTRC1409	5	6	4090103		520	280	0.028	0.014	0.010
TTRC1409	6	7	4090104		510	340	0.034	0.018	0.011
TTRC1409	7	8	4090105		1100	120	0.012	0.011	0.024
TTRC1409	8	9	4090106		920	140	0.014	0.017	0.025
TTRC1409	9	10	4090107		1030	70	0.007	0.014	0.030
TTRC1409	10	11	4090108		540	130	0.013	0.022	0.014
TTRC1409	11	12	4090109		480	320	0.032	0.019	0.022
TTRC1409	BLANK		4090110		10	<10	<0.001	<0.001	0.001
TTRC1409	12	13	4090111		310	160	0.016	0.017	0.009
TTRC1409	13	14	4090112		250	30	0.003	0.003	0.003
TTRC1409	14	15	4090113		230	<10	<0.001	<0.001	0.003
TTRC1410	0	1	4090114		970	840	0.084	0.006	0.019
TTRC1410	1	2	4090115		260	3150	0.315	0.016	0.040
TTRC1410	2	3	4090116		350	3440	0.344	0.016	0.045
TTRC1410	3	4	4090117		880	1250	0.125	0.009	0.028
TTRC1410	4	5	4090118		570	500	0.050	0.004	0.019
TTRC1410	5	6	4090119		910	150	0.015	0.014	0.021
TTRC1410	6	7	4090120		650	200	0.020	0.021	0.020
TTRC1410	6	7	4090121	DUPLICATE	590	200	0.020	0.021	0.018
TTRC1410	7	8	4090122		390	80	0.008	0.012	0.010
TTRC1410	8	9	4090123		390	190	0.019	0.012	0.009
TTRC1410	9	10	4090124		460	320	0.032	0.015	0.009
TTRC1410	STANDARD NCS DC 86315		4090125		50	10020	1.002	0.542	0.006
TTRC1410	10	11	4090126		490	280	0.028	0.010	0.014
TTRC1410	11	12	4090127		230	260	0.026	0.010	0.009
TTRC1410	12	13	4090128		1120	40	0.004	0.005	0.008
TTRC1410	13	14	4090129		2460	<10	<0.001	<0.001	0.003
TTRC1410	14	15	4090130		1260	<10	<0.001	0.002	0.002
TTRC1410	15	16	4090131		260	80	0.008	0.001	0.005
TTRC1408	18	19	4090132		540	<10	<0.001	<0.001	0.001
TTRC1408	19	20	4090133		390	90	0.009	0.007	0.028
TTRC1408	20	21	4090134		740	50	0.005	0.008	0.027
TTRC1408	21	22	4090135		630	40	0.004	0.004	0.015
TTRC1408	22	23	4090136		140	240	0.024	0.006	0.022
TTRC1408	23	24	4090137		820	220	0.022	0.014	0.016
TTRC1408	24	25	4090138		980	150	0.015	0.015	0.015
TTRC1408	25	26	4090139		1140	170	0.017	0.012	0.023
TTRC1408	26	27	4090140		1180	150	0.015	0.007	0.104

Hole ID	From	To	Sample Number	Duplicate	Li ICP005 ppm 10	Ta2O5 XRF007 ppm 10	Ta2O5 XRF007 % 0.001	Nb2O5 XRF007 % 0.001	Sn XRF007 % 0.001
TTRC1408	26	27	4090141	DUPLICATE	1240	140	0.014	0.009	0.095
TTRC1408	27	28	4090142		680	<10	<0.001	0.001	0.005
TTRC1408	28	29	4090143		870	<10	<0.001	<0.001	0.002
TTRC1408	29	30	4090144		600	<10	<0.001	<0.001	0.004
TTRC1408	30	31	4090145		450	<10	<0.001	<0.001	0.003
TTRC1408	31	32	4090146		640	<10	<0.001	0.003	0.007
TTRC1408	32	33	4090147		320	70	0.007	0.006	0.017
TTRC1408	33	34	4090148		590	<10	<0.001	0.001	0.002
TTRC1406	8	9	4090149		120	<10	<0.001	0.002	0.003
TTRC1406	9	10	4090150		130	<10	<0.001	0.003	<0.001
TTRC1406	10	11	4090151		120	<10	<0.001	0.002	0.002
TTRC1406	21	22	4090152		340	<10	<0.001	0.002	0.002
TTRC1406	22	23	4090153		190	40	0.004	0.006	0.010
TTRC1406	23	24	4090154		300	100	0.010	0.013	0.022
TTRC1406	24	25	4090155		390	30	0.003	0.006	0.021
TTRC1406	25	26	4090156		200	190	0.019	0.023	0.010
TTRC1406	26	27	4090157		140	80	0.008	0.016	0.007
TTRC1406	27	28	4090158		370	30	0.003	0.008	0.006
TTRC1406	28	29	4090159		570	10	0.001	0.003	0.006
TTRC1406	BLANK		4090160		<10	<10	<0.001	0.001	<0.001
TTRC1406	29	30	4090161		510	30	0.003	0.002	0.005
TTRC1406	30	30	4090162	DUPLICATE	500	<10	<0.001	0.002	0.002
TTRC1406	40	41	4090163		710	<10	<0.001	0.001	0.003
TTRC1406	41	42	4090164		730	<10	<0.001	0.002	0.003
TTRC1406	42	43	4090165		500	<10	<0.001	0.001	0.003
TTRC1406	43	44	4090166		720	20	0.002	0.003	0.009
TTRC1406	44	45	4090167		790	130	0.013	0.014	0.033
TTRC1406	45	46	4090168		280	240	0.024	0.024	0.021
TTRC1406	46	47	4090169		130	640	0.064	0.040	0.015
TTRC1406	47	48	4090170		560	810	0.081	0.040	0.019
TTRC1406	48	49	4090171		720	50	0.005	0.003	0.006
TTRC1411	31	32	4090172		1410	<10	<0.001	0.001	0.004
TTRC1411	32	33	4090173		1390	60	0.006	0.006	0.016
TTRC1411	33	34	4090174		250	440	0.044	0.022	0.009
TTRC1411	STANDARD TAN-1		4090175		860	2880	0.288	0.029	0.084
TTRC1411	34	35	4090176		160	220	0.022	0.012	0.010
TTRC1411	35	36	4090177		270	590	0.059	0.028	0.009
TTRC1411	36	37	4090178		150	280	0.028	0.019	0.007
TTRC1411	37	38	4090179		540	530	0.053	0.028	0.015
TTRC1411	38	39	4090180		610	260	0.026	0.022	0.016
TTRC1411	38	39	4090181	DUPLICATE	650	240	0.024	0.023	0.016
TTRC1411	39	40	4090182		1320	60	0.006	0.007	0.009
TTRC1411	43	44	4090183		1320	<10	<0.001	<0.001	0.003
TTRC1411	44	45	4090184		1280	50	0.005	0.006	0.011
TTRC1411	45	46	4090185		5550	90	0.009	0.007	0.014
TTRC1411	46	47	4090186		7810	230	0.023	0.023	0.011
TTRC1411	47	48	4090187		820	160	0.016	0.023	0.015
TTRC1411	48	49	4090188		1020	40	0.004	0.005	0.006
TTRC1411	49	50	4090189		960	<10	<0.001	0.003	0.004

Hole ID	From	To	Sample Number	Duplicate	Li ICP005 ppm 10	Ta2O5 XRF007 ppm 10	Ta2O5 XRF007 % 0.001	Nb2O5 XRF007 % 0.001	Sn XRF007 % 0.001
TTRC1419	12	13	4090190		260	<10	<0.001	0.001	0.003
TTRC1419	13	14	4090191		250	<10	<0.001	0.001	0.003
TTRC1419	14	15	4090192		210	50	0.005	0.002	0.004
TTRC1419	15	16	4090193		180	50	0.005	0.003	0.005
TTRC1419	16	17	4090194		290	<10	<0.001	0.001	0.004
TTRC1419	28	29	4090195		430	<10	<0.001	0.002	0.003
TTRC1419	29	30	4090196		290	60	0.006	0.009	0.015
TTRC1419	30	31	4090197		820	20	0.002	0.008	0.011
TTRC1419	31	32	4090198		1430	40	0.004	0.009	0.017
TTRC1419	32	33	4090199		780	50	0.005	0.011	0.021
TTRC1419	33	34	4090200		940	90	0.009	0.013	0.017
TTRC1419	33	34	4090201	DUPLICATE	950	110	0.011	0.013	0.019
TTRC1419	34	35	4090202		140	420	0.042	0.036	0.003
TTRC1419	35	36	4090203		390	280	0.028	0.022	0.014
TTRC1419	36	37	4090204		500	100	0.010	0.016	0.017
TTRC1419	37	38	4090205		510	70	0.007	0.014	0.017
TTRC1419	38	39	4090206		420	210	0.021	0.021	0.015
TTRC1419	39	40	4090207		580	30	0.003	0.005	0.010
TTRC1419	40	41	4090208		750	<10	<0.001	0.002	0.004
TTRC1419	41	42	4090209		1080	<10	<0.001	0.001	0.006
TTRC1419	BLANK		4090210		<10	<10	<0.001	0.001	<0.001
TTRC1419	46	47	4090211		1040	30	0.003	0.002	0.007
TTRC1419	47	48	4090212		1120	680	0.068	0.023	0.862
TTRC1419	48	49	4090213		520	<10	<0.001	0.002	0.007
TTRC1420	4	5	4090214		390	<10	<0.001	0.002	0.002
TTRC1420	5	6	4090215		130	130	0.013	0.008	0.012
TTRC1420	6	7	4090216		510	20	0.002	0.007	0.018
TTRC1420	7	8	4090217		420	160	0.016	0.008	0.015
TTRC1420	8	9	4090218		60	300	0.030	0.017	0.010
TTRC1420	9	10	4090219		30	430	0.043	0.025	0.008
TTRC1420	10	11	4090220		50	440	0.044	0.015	0.013
TTRC1420	10	11	4090221	DUPLICATE	30	430	0.043	0.015	0.013
TTRC1420	11	12	4090222		140	230	0.023	0.012	0.008
TTRC1420	12	13	4090223		740	150	0.015	0.011	0.023
TTRC1420	13	14	4090224		770	130	0.013	0.007	0.028
TTRC1420	STANDARD NCS DC 86306		4090225		3740	640	0.064	0.053	0.009
TTRC1420	14	15	4090226		300	210	0.021	0.021	0.015
TTRC1420	15	16	4090227		490	60	0.006	0.013	0.008
TTRC1420	16	17	4090228		210	60	0.006	0.011	0.008
TTRC1420	17	18	4090229		210	60	0.006	0.012	0.007
TTRC1420	18	19	4090230		260	90	0.009	0.017	0.013
TTRC1420	19	20	4090231		140	110	0.011	0.007	0.016
TTRC1420	20	21	4090232		200	130	0.013	0.012	0.018
TTRC1420	21	22	4090233		580	20	0.002	0.003	0.007
TTRC1420	22	23	4090234		290	<10	<0.001	0.001	0.004
TTRC1420	38	39	4090235		420	<10	<0.001	0.002	0.002
TTRC1420	39	40	4090236		540	30	0.003	0.005	0.028
TTRC1420	40	41	4090237		420	290	0.029	0.013	0.498

Hole ID	From	To	Sample Number	Duplicate	Li ICP005 ppm 10	Ta2O5 XRF007 ppm 10	Ta2O5 XRF007 % 0.001	Nb2O5 XRF007 % 0.001	Sn XRF007 % 0.001
TTRC1420	41	42	4090238		570	<10	<0.001	0.001	0.006
TTRC1421	5	6	4090239		450	<10	<0.001	0.001	0.004
TTRC1421	6	7	4090240		440	220	0.022	0.047	0.013
TTRC1421	6	7	4090241	DUPLICATE	420	330	0.033	0.074	0.013
TTRC1421	7	8	4090242		80	130	0.013	0.009	0.008
TTRC1421	8	9	4090243		120	170	0.017	0.010	0.016
TTRC1421	9	10	4090244		110	170	0.017	0.013	0.007
TTRC1421	10	11	4090245		20	580	0.058	0.030	0.005
TTRC1421	11	12	4090246		160	210	0.021	0.010	0.011
TTRC1421	12	13	4090247		100	200	0.020	0.012	0.010
TTRC1421	13	14	4090248		50	850	0.085	0.058	0.010
TTRC1421	14	15	4090249		40	160	0.016	0.001	0.008
TTRC1421	15	16	4090250		40	3570	0.357	0.269	0.022
TTRC1421	16	17	4090251		130	440	0.044	0.033	0.014
TTRC1421	17	18	4090252		440	100	0.010	0.017	0.014
TTRC1421	18	19	4090253		270	80	0.008	0.018	0.012
TTRC1421	19	20	4090254		250	60	0.006	0.011	0.014
TTRC1421	20	21	4090255		140	40	0.004	0.010	0.006
TTRC1421	21	22	4090256		130	40	0.004	0.010	0.012
TTRC1421	22	23	4090257		740	<10	<0.001	0.003	0.009
TTRC1421	23	24	4090258		790	<10	<0.001	0.002	0.003
TTRC1422	2	3	4090259		L.N.R.	<10	L.N.R.	L.N.R.	L.N.R.
TTRC1422	BLANK		4090260		<10	<10	<0.001	<0.001	<0.001
TTRC1422	3	4	4090261		120	70	0.007	0.006	0.011
TTRC1422	3	4	4090262	DUPLICATE	100	50	0.005	0.004	0.012
TTRC1422	4	5	4090263		310	70	0.007	0.026	0.016
TTRC1422	5	6	4090264		300	60	0.006	0.008	0.017
TTRC1422	6	7	4090265		380	70	0.007	0.011	0.014
TTRC1422	7	8	4090266		120	30	0.003	0.007	0.008
TTRC1422	8	9	4090267		180	40	0.004	0.012	0.007
TTRC1422	9	10	4090268		540	50	0.005	0.007	0.010
TTRC1422	10	11	4090269		830	<10	<0.001	0.001	0.002
TTRC1423	4	5	4090270		200	<10	<0.001	0.001	0.002
TTRC1423	5	6	4090271		470	10	0.001	<0.001	0.006
TTRC1423	6	7	4090272		210	70	0.007	0.009	0.015
TTRC1423	7	8	4090273		620	60	0.006	0.003	0.008
TTRC1423	8	9	4090274		270	<10	<0.001	0.001	0.003
TTRC1423	STANDARD NCS DC 86315		4090275		60	10120	1.012	0.586	0.004
TTRC1423	9	10	4090276		290	<10	<0.001	<0.001	0.004
TTRC1423	10	11	4090277		430	10	0.001	<0.001	0.005
TTRC1423	11	12	4090278		310	30	0.003	0.003	0.004
TTRC1423	12	13	4090279		230	<10	<0.001	<0.001	0.003
TTRC1424	5	6	4090280		190	<10	<0.001	<0.001	0.003
TTRC1424	5	6	4090281	DUPLICATE	150	<10	<0.001	0.001	0.002
TTRC1424	6	7	4090282		160	<10	<0.001	0.001	0.001
TTRC1424	7	8	4090283		100	<10	<0.001	<0.001	0.004
TTRC1424	8	9	4090284		110	<10	<0.001	0.001	0.001
TTRC1424	9	10	4090285		260	<10	<0.001	0.001	0.004

Hole ID	From	To	Sample Number	Duplicate	Li ICP005 ppm 10	Ta2O5 XRF007 ppm 10	Ta2O5 XRF007 % 0.001	Nb2O5 XRF007 % 0.001	Sn XRF007 % 0.001
TTRC1424	10	11	4090286		360	<10	<0.001	0.001	0.004
TTRC1424	25	26	4090287		380	20	0.002	0.001	0.009
TTRC1424	26	27	4090288		250	70	0.007	0.012	0.016
TTRC1424	27	28	4090289		320	60	0.006	0.010	0.013
TTRC1424	28	29	4090290		160	200	0.020	0.012	0.008
TTRC1424	29	30	4090291		240	70	0.007	0.007	0.012
TTRC1424	30	31	4090292		50	350	0.035	0.005	0.017
TTRC1424	31	32	4090293		120	200	0.020	0.015	0.009
TTRC1424	32	33	4090294		180	80	0.008	0.010	0.010
TTRC1424	33	34	4090295		290	40	0.004	0.011	0.005
TTRC1424	34	35	4090296		220	40	0.004	0.016	0.006
TTRC1324	35	36	4090297		170	50	0.005	0.013	0.010
TTRC1424	36	37	4090298		390	50	0.005	0.005	0.006
TTRC1436	0	1	4090299		170	60	0.006	0.010	0.010
TTRC1436	1	2	4090300		30	160	0.016	0.015	0.007
TTRC1436	1	2	4090301	DUPLICATE	30	130	0.013	0.011	0.007
TTRC1436	2	3	4090302		30	30	0.003	0.001	0.005
TTRC1436	3	4	4090303		20	<10	<0.001	0.001	0.005
TTRC1436	4	5	4090304		30	360	0.036	0.029	0.020
TTRC1436	5	6	4090305		60	310	0.031	0.018	0.154
TTRC1436	6	7	4090306		90	90	0.009	0.008	0.008
TTRC1436	7	8	4090307		190	<10	<0.001	0.001	0.003
TTRC1436	8	9	4090308		240	<10	<0.001	0.001	0.002
TTRC1436	9	10	4090309		290	<10	<0.001	0.001	0.002
TTRC1436	BLANK		4090310		<10	<10	<0.001	<0.001	<0.001
TTRC1436	10	11	4090311		300	20	0.002	0.004	0.008
TTRC1436	11	12	4090312		100	120	0.012	0.019	0.007
TTRC1436	12	13	4090313		20	250	0.025	0.036	0.003
TTRC1436	13	14	4090314		50	560	0.056	0.088	0.004
TTRC1436	14	15	4090315		140	670	0.067	0.099	0.011
TTRC1436	15	16	4090316		60	250	0.025	0.025	0.008
TTRC1436	16	17	4090317		140	70	0.007	0.012	0.014
TTRC1436	17	18	4090318		440	20	0.002	0.002	0.006
TTRC1436	18	19	4090319		420	<10	<0.001	0.001	0.007
TTRC1436	19	20	4090320		170	90	0.009	0.013	0.008
TTRC1436	19	20	4090321	DUPLICATE	110	60	0.006	0.012	0.009
TTRC1425	1	2	4090322		90	180	0.018	0.013	0.057
TTRC1425	2	3	4090323		400	<10	<0.001	<0.001	0.005
TTRC1425	3	4	4090324		330	<10	<0.001	0.004	0.004
TTRC1425	STANDARD TAN-1		4090325		860	2900	0.290	0.030	0.083
TTRC1425	4	5	4090326		280	<10	<0.001	0.002	0.005
TTRC1425	5	6	4090327		360	<10	<0.001	0.001	0.005
TTRC1425	6	7	4090328		170	30	0.003	0.009	0.010
TTRC1425	7	8	4090329		160	60	0.006	0.013	0.014
TTRC1425	8	9	4090330		180	90	0.009	0.014	0.009
TTRC1425	9	10	4090331		240	90	0.009	0.012	0.011
TTRC1425	10	11	4090332		40	210	0.021	0.009	0.008
TTRC1425	11	12	4090333		90	<10	<0.001	<0.001	0.018
TTRC1425	12	13	4090334		50	10	0.001	0.001	0.007

Hole ID	From	To	Sample Number	Duplicate	Li ICP005 ppm 10	Ta2O5 XRF007 ppm 10	Ta2O5 XRF007 % 0.001	Nb2O5 XRF007 % 0.001	Sn XRF007 % 0.001
TTRC1425	13	14	4090335		40	<10	<0.001	<0.001	0.007
TTRC1425	14	15	4090336		50	<10	<0.001	<0.001	0.013
TTRC1425	15	16	4090337		30	<10	<0.001	0.001	0.002
TTRC1425	16	17	4090338		30	<10	<0.001	<0.001	<0.001
TTRC1425	17	18	4090339		40	<10	<0.001	<0.001	0.001
TTRC1425	18	19	4090340		50	20	0.002	<0.001	0.007
TTRC1425	18	19	4090341	DUPLICATE	60	10	0.001	0.003	0.008
TTRC1425	19	20	4090342		70	150	0.015	0.004	0.007
TTRC1425	20	21	4090343		40	180	0.018	0.008	0.007
TTRC1425	21	22	4090344		120	150	0.015	0.021	0.010
TTRC1425	22	23	4090345		170	50	0.005	0.015	0.008
TTRC1425	23	24	4090346		370	30	0.003	0.007	0.016
TTRC1425	24	25	4090347		330	<10	<0.001	0.002	0.003
TTRC1426	8	9	4090348		300	<10	<0.001	0.001	0.007
TTRC1426	9	10	4090349		170	40	0.004	0.004	0.010
TTRC1426	10	11	4090350		350	40	0.004	0.006	0.009
TTRC1426	11	12	4090351		580	<10	<0.001	0.001	0.005
TTRC1426	12	13	4090352		330	20	0.002	0.001	0.007
TTRC1426	15	16	4090353		50	260	0.026	0.010	0.017
TTRC1426	16	17	4090354		50	330	0.033	0.011	0.023
TTRC1426	17	18	4090355		50	180	0.018	0.007	0.006
TTRC1426	18	19	4090356		40	310	0.031	0.018	0.005
TTRC1426	19	20	4090357		160	60	0.006	0.010	0.011
TTRC1426	20	21	4090358		50	120	0.012	0.008	0.006
TTRC1426	21	22	4090359		30	<10	<0.001	<0.001	0.004
TTRC1426	BLANK		4090360		<10	<10	<0.001	0.005	0.001
TTRC1426	22	23	4090361		20	<10	<0.001	<0.001	<0.001
TTRC1426	22	23	4090362	DUPLICATE	20	<10	<0.001	0.001	<0.001
TTRC1426	23	24	4090363		30	<10	<0.001	<0.001	<0.001
TTRC1426	24	25	4090364		60	<10	<0.001	0.001	0.007
TTRC1426	25	26	4090365		50	620	0.062	0.008	0.016
TTRC1426	26	27	4090366		1080	120	0.012	0.006	0.036
TTRC1426	27	28	4090367		1610	100	0.010	0.006	0.037
TTRC1426	28	29	4090368		150	290	0.029	0.019	0.011
TTRC1426	29	30	4090369		110	130	0.013	0.017	0.006
TTRC1426	30	31	4090370		160	30	0.003	0.012	0.010
TTRC1426	31	32	4090371		210	20	0.002	0.007	0.013
TTRC1426	32	33	4090372		440	<10	<0.001	0.002	0.004
TTRC1418	0	1	4090373		360	90	0.009	0.014	0.013
TTRC1418	1	2	4090374		330	70	0.007	0.014	0.014
TTRC1418	STANDARD NCS DC 86306		4090375		3660	640	0.064	0.049	0.009
TTRC1418	2	3	4090376		150	90	0.009	0.014	0.007
TTRC1418	3	4	4090377		110	20	0.002	0.006	0.008
TTRC1418	4	5	4090378		100	20	0.002	0.004	0.011
TTRC1418	5	6	4090379		180	20	0.002	0.008	0.009
TTRC1418	6	7	4090380		200	30	0.003	0.012	0.007
TTRC1418	6	7	4090381	DUPLICATE	220	30	0.003	0.009	0.007
TTRC1418	7	8	4090382		170	30	0.003	0.011	0.006

Hole ID	From	To	Sample Number	Duplicate	Li ICP005 ppm 10	Ta2O5 XRF007 ppm 10	Ta2O5 XRF007 % 0.001	Nb2O5 XRF007 % 0.001	Sn XRF007 % 0.001
TTRC1418	8	9	4090383		210	40	0.004	0.010	0.006
TTRC1418	9	10	4090384		210	40	0.004	0.008	0.010
TTRC1418	10	11	4090385		310	50	0.005	0.008	0.011
TTRC1418	11	12	4090386		590	70	0.007	0.009	0.017
TTRC1418	12	13	4090387		890	40	0.004	0.010	0.024
TTRC1418	13	14	4090388		420	100	0.010	0.018	0.014
TTRC1418	14	15	4090389		170	60	0.006	0.011	0.005
TTRC1418	15	16	4090390		270	80	0.008	0.014	0.007
TTRC1418	16	17	4090391		520	150	0.015	0.011	0.011
TTRC1418	17	18	4090392		650	190	0.019	0.005	0.012
TTRC1418	18	19	4090393		310	70	0.007	0.006	0.010
TTRC1418	19	20	4090394		320	80	0.008	0.011	0.011
TTRC1418	20	21	4090395		320	60	0.006	0.006	0.014
TTRC1418	21	22	4090396		260	100	0.010	0.011	0.012
TTRC1418	22	23	4090397		1160	80	0.008	0.011	0.043
TTRC1418	23	24	4090398		1010	220	0.022	0.007	0.026
TTRC1418	24	25	4090399		600	270	0.027	0.004	0.016
TTRC1418	25	26	4090400		220	1260	0.126	0.012	0.024
TTRC1418	25	26	4090401	DUPLICATE	210	1320	0.132	0.016	0.027
TTRC1418	26	27	4090402		490	240	0.024	0.014	0.036
TTRC1418	27	28	4090403		320	60	0.006	0.002	0.022
TTRC1418	28	29	4090404		320	<10	<0.001	<0.001	0.004
TTRC1428	33	34	4090405		290	<10	<0.001	0.002	0.003
TTRC1428	34	35	4090406		320	<10	<0.001	<0.001	0.004
TTRC1417	0	1	4090407		250	240	0.024	0.007	0.012
TTRC1417	1	2	4090408		460	170	0.017	0.019	0.016
TTRC1417	2	3	4090409		560	110	0.011	0.015	0.020
TTRC1417	BLANK		4090410		<10	<10	<0.001	<0.001	0.002
TTRC1417	3	4	4090411		90	30	0.003	0.005	0.008
TTRC1417	4	5	4090412		140	60	0.006	0.009	0.011
TTRC1417	5	6	4090413		150	90	0.009	0.007	0.008
TTRC1417	10	11	4090414		640	<10	<0.001	0.001	0.003
TTRC1417	11	12	4090415		320	60	0.006	0.006	0.016
TTRC1417	12	13	4090416		450	110	0.011	0.010	0.031
TTRC1417	13	14	4090417		530	140	0.014	0.012	0.056
TTRC1417	14	15	4090418		420	170	0.017	0.006	0.028
TTRC1417	15	16	4090419		480	160	0.016	0.016	0.058
TTRC1417	16	17	4090420		160	110	0.011	0.007	0.069
TTRC1417	16	17	4090421	DUPLICATE	160	100	0.010	0.010	0.067
TTRC1427	0	1	4090422		140	100	0.010	0.007	0.008
TTRC1427	1	2	4090423		90	60	0.006	0.008	0.009
TTRC1427	2	3	4090424		60	40	0.004	0.004	0.006
TTRC1427	STANDARD NCS DC 86315		4090425		50	9930	0.993	0.536	0.005
TTRC1427	3	4	4090426		230	2340	0.234	0.154	0.062
TTRC1427	4	5	4090427		100	20	0.002	0.002	0.013
TTRC1427	5	6	4090428		60	10	0.001	<0.001	0.011
TTRC1427	6	7	4090429		70	<10	<0.001	<0.001	0.010
TTRC1427	7	8	4090430		50	<10	<0.001	<0.001	0.010

Hole ID	From	To	Sample Number	Duplicate	Li ICP005 ppm 10	Ta2O5 XRF007 ppm 10	Ta2O5 XRF007 % 0.001	Nb2O5 XRF007 % 0.001	Sn XRF007 % 0.001
TTRC1427	8	9	4090431		50	80	0.008	0.001	0.011
TTRC1427	9	10	4090432		40	230	0.023	0.007	0.004
TTRC1427	10	11	4090433		70	80	0.008	0.001	0.005
TTRC1427	11	12	4090434		50	190	0.019	0.005	0.006
TTRC1428	12	13	4090435		10	470	0.047	0.033	0.011
TTRC1427	13	14	4090436		100	120	0.012	0.017	0.011
TTRC1427	14	15	4090437		170	160	0.016	0.018	0.007
TTRC1427	15	16	4090438		140	160	0.016	0.014	0.032
TTRC1427	16	17	4090439		120	90	0.009	0.012	0.018
TTRC1427	17	18	4090440		410	40	0.004	0.006	0.015
TTRC1427	17	18	4090441	DUPLICATE	430	40	0.004	0.002	0.010
TTRC1427	18	19	4090442		330	10	0.001	0.004	0.004
TTRC1428	3	4	4090443		220	<10	<0.001	0.001	0.002
TTRC1428	4	5	4090444		240	20	0.002	<0.001	0.010
TTRC1428	5	6	4090445		120	40	0.004	0.009	0.010
TTRC1428	6	7	4090446		150	100	0.010	0.010	0.010
TTRC1428	7	8	4090447		160	70	0.007	0.011	0.013
TTRC1428	8	9	4090448		130	240	0.024	0.022	0.019
TTRC1428	9	10	4090449		30	20	0.002	0.004	0.003
TTRC1428	10	11	4090450		40	20	0.002	<0.001	0.010
TTRC1428	11	12	4090451		110	<10	<0.001	<0.001	0.011
TTRC1428	12	13	4090452		80	<10	<0.001	<0.001	0.010
TTRC1428	13	14	4090453		170	130	0.013	<0.001	0.009
TTRC1428	14	15	4090454		190	1140	0.114	0.005	0.042
TTRC1428	15	16	4090455		100	70	0.007	0.004	0.011
TTRC1428	16	17	4090456		80	110	0.011	0.012	0.007
TTRC1428	17	18	4090457		50	20	0.002	<0.001	0.003
TTRC1428	18	19	4090458		30	<10	<0.001	<0.001	<0.001
TTRC1429	8	9	4090459		250	70	0.007	0.007	0.014
TTRC1429	BLANK		4090460		<10	<10	<0.001	<0.001	<0.001
TTRC1429	9	10	4090461		310	100	0.010	0.013	0.014
TTRC1429	9	10	4090462	DUPLICATE	290	90	0.009	0.014	0.015
TTRC1429	10	11	4090463		180	120	0.012	0.015	0.008
TTRC1429	11	12	4090464		310	40	0.004	0.008	0.013
TTRC1429	12	13	4090465		50	40	0.004	<0.001	0.002
TTRC1429	13	14	4090466		40	<10	<0.001	<0.001	<0.001
TTRC1429	14	15	4090467		30	<10	<0.001	<0.001	<0.001
TTRC1429	15	16	4090468		40	<10	<0.001	<0.001	<0.001
TTRC1429	16	17	4090469		40	<10	<0.001	<0.001	<0.001
TTRC1429	17	18	4090470		40	<10	<0.001	<0.001	<0.001
TTRC1429	18	19	4090471		50	380	0.038	0.023	0.007
TTRC1429	19	20	4090472		130	130	0.013	0.020	0.007
TTRC1429	20	21	4090473		200	70	0.007	0.023	0.007
TTRC1429	21	22	4090474		70	130	0.013	0.014	0.005
TTRC1429	STANDARD TAN-1		4090475		850	2870	0.287	0.031	0.082
TTRC1429	22	23	4090476		70	250	0.025	0.007	0.026
TTRC1429	23	24	4090477		60	240	0.024	0.012	0.020
TTRC1429	24	25	4090478		70	200	0.020	0.011	0.022
TTRC1430	3	4	4090479		310	10	0.001	0.002	0.004

Hole ID	From	To	Sample Number	Duplicate	Li ICP005 ppm 10	Ta2O5 XRF007 ppm 10	Ta2O5 XRF007 % 0.001	Nb2O5 XRF007 % 0.001	Sn XRF007 % 0.001
TTRC1430	4	5	4090480		210	100	0.010	0.017	0.019
TTRC1430	4	5	4090481	DUPLICATE	210	120	0.012	0.017	0.022
TTRC1430	5	6	4090482		180	150	0.015	0.020	0.010
TTRC1430	6	7	4090483		80	90	0.009	0.012	0.006
TTRC1430	7	8	4090484		80	200	0.020	0.032	0.008
TTRC1430	8	9	4090485		150	50	0.005	0.012	0.006
TTRC1430	9	10	4090486		160	50	0.005	0.017	0.017
TTRC1430	10	11	4090487		130	270	0.027	0.013	0.185
TTRC1430	11	12	4090488		60	180	0.018	0.002	0.015
TTRC1430	12	13	4090489		110	270	0.027	0.002	0.015
TTRC1430	13	14	4090490		60	300	0.030	0.011	0.074
TTRC1430	14	15	4090491		450	30	0.003	0.006	0.006
TTRC1431	8	9	4090492		110	90	0.009	0.014	0.010
TTRC1431	9	10	4090493		20	430	0.043	0.042	0.028
TTRC1431	10	11	4090494		40	260	0.026	0.023	0.014
TTRC1431	11	12	4090495		40	380	0.038	0.037	0.009
TTRC1431	12	13	4090496		40	360	0.036	0.057	0.012
TTRC1431	13	14	4090497		160	70	0.007	0.019	0.009
TTRC1431	14	15	4090498		190	90	0.009	0.018	0.008
TTRC1431	15	16	4090499		240	800	0.080	0.008	0.024
TTRC1431	16	17	4090500		170	290	0.029	0.007	0.060
TTRC1431	16	17	4090501	DUPLICATE	110	330	0.033	0.008	0.076
TTRC1431	17	18	4090502		270	40	0.004	0.004	0.006
TTRC1412	5	6	4090503		350	820	0.082	0.011	0.045
TTRC1412	6	7	4090504		370	70	0.007	<0.001	0.004
TTRC1412	7	8	4090505		1650	180	0.018	0.016	0.106
TTRC1412	8	9	4090506		690	140	0.014	0.006	0.010
TTRC1412	9	10	4090507		610	230	0.023	0.006	0.025
TTRC1412	10	11	4090508		310	<10	<0.001	0.002	0.004
TTRC1412	11	12	4090509		360	<10	<0.001	<0.001	0.003
TTRC1413	BLANK		4090510		20	<10	<0.001	0.001	<0.001
TTRC1413	6	7	4090511		840	170	0.017	0.016	0.413
TTRC1413	7	8	4090512		490	60	0.006	<0.001	0.019
TTRC1413	8	9	4090513		780	140	0.014	0.002	0.039
TTRC1413	9	10	4090514		600	210	0.021	0.018	0.335
TTRC1413	10	11	4090515		330	40	0.004	0.005	0.037
TTRC1413	11	12	4090516		270	<10	<0.001	<0.001	0.005
TTRC1416	15	16	4090517		410	<10	<0.001	0.002	0.005
TTRC1416	16	17	4090518		370	50	0.005	0.005	0.067
TTRC1416	17	18	4090519		400	<10	<0.001	0.002	0.003
TTRC1415	17	18	4090520		380	<10	<0.001	0.001	0.004
TTRC1415	17	18	4090521	DUPLICATE	410	<10	<0.001	<0.001	0.003
TTRC1415	18	19	4090522		200	240	0.024	0.017	0.356
TTRC1415	19	20	4090523		470	<10	<0.001	0.001	0.028
TTRC1414	16	17	4090524		270	10	0.001	0.003	0.005
TTRC1414	STANDARD NCS	DC 86306	4090525		3550	640	0.064	0.047	0.009
TTRC1414	23	24	4090526		360	40	0.004	0.006	0.014
TTRC1432	3	4	4090527		240	<10	<0.001	0.001	0.003
TTRC1432	4	5	4090528		160	<10	<0.001	<0.001	0.002

					Li ICP005 ppm	Ta2O5 XRF007 ppm	Ta2O5 XRF007 %	Nb2O5 XRF007 %	Sn XRF007 %
Hole ID	**From**	**To**	**Sample Number**	**Duplicate**	**10**	**10**	**0.001**	**0.001**	**0.001**
TTRC1432	10	11	4090529		360	10	0.001	<0.001	0.004
TTRC1432	11	12	4090530		290	50	0.005	0.007	0.081
TTRC1432	12	13	4090531		340	<10	<0.001	0.001	0.002
TTRC1432	13	14	4090532		150	170	0.017	0.018	0.153
TTRC1432	15	16	4090533		390	<10	<0.001	0.005	0.021
TTRC1432	15	16	4090534		370	<10	<0.001	0.002	0.002
TTRC1432	16	17	4090535		350	<10	<0.001	<0.001	0.003
TTRC1432	17	18	4090536		340	160	0.016	0.006	0.076
TTRC1432	18	19	4090537		50	260	0.026	0.027	0.035
TTRC1432	46	47	4090538		250	<10	<0.001	<0.001	0.003
TTRC1432	47	48	4090539		80	<10	<0.001	<0.001	0.002
TTRC1432	48	49	4090540		300	<10	<0.001	0.001	0.002
TTRC1432	48	49	4090541	DUPLICATE	310	<10	<0.001	0.003	0.004
TTRC1433	15	16	4090542		360	300	0.030	0.028	0.201
TTRC1433	16	17	4090543		110	80	0.008	0.002	0.007
TTRC1433	17	18	4090544		330	140	0.014	<0.001	0.005
TTRC1433	18	19	4090545		190	120	0.012	0.005	0.006
TTRC1433	19	20	4090546		90	230	0.023	0.024	0.230
TTRC1433	20	21	4090547		280	<10	<0.001	0.004	0.008
TTRC1433	21	22	4090548		150	<10	<0.001	<0.001	0.003

APPENDIX 2

Tabba Taba Drilling – Collar Locations

Hole ID	North local	East Local	East GDA94	North GDA94	Dip	Azimuth	Depth
TTRC 1400	10040	20000	700407	7713513	-90	0	54
TTRC 1401	10060	20000	700394	7713528	-90	0	54
TTRC 1402	10080	20000	700381	7713544	-90	0	42
TTRC 1403	10100	20005	700373	7713562	-90	0	42
TTRC 1404	10120	20010	700364	7713581	-90	0	60
TTRC 1405	10140	20000	700352	7713597	-90	0	60
TTRC 1406	10160	20005	700335	7713609	-90	0	60
TTRC 1407	10160	19910	700261	7713549	-90	0	18
TTRC 1408	10180	19980	700303	7713609	-90	0	42
TTRC 1409	10180	19910	700249	7713565	-90	0	18
TTRC 1410	10200	19920	700244	7713586	-50	230	18
TTRC 1411	10200	19995	700302	7713634	-90	0	54
TTRC 1412	10210	19860	700191	7713557	-90	0	30
TTRC 1413	10210	19880	700206	7713569	-90	0	36
TTRC 1414	10190	19840	700188	7713528	-90	0	24
TTRC 1415	10190	19860	700203	7713541	-90	0	36
TTRC 1416	10190	19880	700219	7713554	-90	0	36
TTRC 1417	10240	19890	700195	7713599	-90	0	24
TTRC 1418	10260	19880	700175	7713608	-60	50	36
TTRC 1419	10300	19950	700204	7713683	-90	0	54
TTRC 1420	10320	19915	700164	7713677	-90	0	48
TTRC 1421	10340	19920	700156	7713695	-90	0	30
TTRC 1422	10360	19910	700135	7713705	-90	0	15
TTRC 1423	10380	19910	700131	7713726	-90	0	15
TTRC 1424	10380	19930	700146	7713739	-90	0	42
TTRC 1425	10420	19925	700109	7713761	-90	0	30
TTRC 1426	10420	19945	700125	7713773	-90	0	42
TTRC 1427	10440	19925	700097	7713776	-90	0	24
TTRC 1428	10460	19935	700092	7713798	-90	0	24
TTRC 1429	10480	19955	700095	7713826	-90	0	30
TTRC 1430	10500	19955	700082	7713842	-90	0	24
TTRC 1431	10520	19965	700077	7713864	-90	0	18
TTRC 1432	10200	19775	700131	7713495	-90	0	54
TTRC 1433	10175	19750	700127	7713460	-90	0	54
TTRC1434	10100	19975	700349	7713543	-90	0	36
TTRC1435	10120	19920	700298	7713525	-50	230	24
TTRC1436	10400	19920	700118	7713742	-90	0	24
TTRC1437	10025	19995	700412	7713741	-90	0	54

PILBARA MINERALS LIMITED

Appendix 3

JORC Code, 2012 Edition – Table 1 report

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *Nature and quality of sampling (eg 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.*	• Pilbara Minerals Limited ("PLS") have completed 38 infill and extensional Reverse Circulation drill holes in September 2014. • Sampling of RC drill holes was completed on 1m intervals
	• *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.*	• PLS RC holes were sampled every metre within the pegmatite zone, with samples split on the rig using a cyclone splitter. • PLS RC holes were sampled (geological control for contacts) and internally within this zone on a metre interval basis. Samples were a consistent 3-5kg.
	• *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 (eg '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 (eg submarine nodules) may warrant disclosure of detailed information.*	• The PLS samples were check assayed independently by Nagrom Analytical laboratory ("Nagrom"). 1 metre duplicates, blanks and Standards were inserted independently of Nagrom. • The PLS samples assayed by Nagrom by both fused bead XRF and ICP.
Drilling techniques	• *Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg 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).*	• Reverse circulation drilling was completed by track mounted Schramm 450 drill rig with booster compressor, using fac sampling 51/2 inch bit.
Drill sample recovery	*Method of recording and assessing core and chip sample recoveries and results assessed.*	• PLS Sample recovery was recorded as consistent/good.

Criteria	JORC Code explanation	Commentary
	• *Measures taken to maximise sample recovery and ensure representative nature of the samples.*	• Whilst drilling through the pegmatite, rods were flushed with air after each metre drilled (PLS holes).
	• *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.*	• Recoveries estimated for the holes are deemed acceptable as recoveries for PLS holes were overwhelmingly logged as "good."
Logging	• *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.*	• Detailed exist for all holes in the database. Fields captured include lithology, alteration, texture, recovery, weathering and colour. • Detailed lithological logs were completed on site by PLS geologist.
	• *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.*	• Logging has primarily been quantitative.
	• *The total length and percentage of the relevant intersections logged.*	• The database contains lithological data for all holes in the database.
Sub-sampling techniques and sample preparation	• *If core, whether cut or sawn and whether quarter, half or all core taken.* • *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.* *For all sample types, the nature, quality and appropriateness of the sample preparation technique.*	• RC samples collected by PLS were dry and split at the rig using a cyclone splitter. • Laboratory samples were sorted, dried, crushed to -6.3mm, samples in excess of >2kg were riffle split and then pulverized to 80% passing -75um.
	• *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.*	• PLS RC samples have regular coarse crush duplicates as well as laboratory splits and repeats.
	• *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.*	• PLS samples have field duplicates, blanks and standards as well as laboratory splits and repeats.
	• *Whether sample sizes are appropriate to the grain size of the material being sampled.*	• The PLS drilling sample sizes are considered to be appropriate to correctly represent the tantalum mineralisation at Tabba Tabba based on the style of mineralisation (pegmatite) and the thickness and consistency of mineralisation.
Quality of assay data and laboratory	• *The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.*	• Analysis was completed by Nagrom Laboratories using their standard Tin Suite by XRF analysis and Mixed Acid digest with ICP finish. Samples are sorted, dried, crushed, splitting to 2kg and pulverised to

Criteria	JORC Code explanation	Commentary
tests		80% passing -75um. Analysis was completed for Li, SiO_2, Fe_2O_3, MnO, MgO, Ta_2O_5, Nb_2O_5, Sn, P_2O_5, SO_3, CaO, K_2O, Na_2O, BaO, TiO_2, Al_2O_3, PbO, As, LOI1000, ThO_2, U_3O_8.
	• *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.*	• No geophysical tools were used to determine any element concentrations used in this report.
	• *Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.*	• The PLS sample batches contain QC samples (duplicates and laboratory standards, blanks and two different Certified Reference Materials – both lower and upper range). • All results from QC samples have produced results deemed acceptable.
Verification of sampling and assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.*	• The assay results for the 38 PLS drill-holes are generally consistent with the interpreted model.
	• *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.*	• An electronic database containing collars, surveys, assays and geology has been created by PLS • Data verification was undertaken by independent consultants Trepanier Pty Ltd. • Nagrom results were supplied by certified PDF and Excel spreadsheet.
	• *Discuss any adjustment to assay data.*	• No data adjustments were made..
Location of data points	• *Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.*	• Local grid coordinates were calculated using the re-calculated grid conversion. • PLS holes have been surveyed by handheld GPS and checked by measurement against GAM hole collars.

Criteria	JORC Code explanation	Commentary
	• *Specification of the grid system used.*	• The grid conversion was calculated using local coordinates and corresponding MGA (GDA94, Zone 50) coordinates provided by GAM.
	• *Quality and adequacy of topographic control.*	• The topographic surface used was supplied by GAM and was generated by Wodgina mine surveyors..
Data spacing and distribution	• *Data spacing for reporting of Exploration Results.*	• PLS completed 38 infill and extensional RC holes in September 2013.
	• *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.*	• Any interpretation of the mineralised domains are supported by a tight drill spacing, plus both geological zones and assay grades, and are appropriate for use in a resource estimation procedure.
	• *Whether sample compositing has been applied.*	• RC holes were sampled at 1m intervals.
Orientation of data in relation to geological structure	• *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.*	• 36 out of 38 holes are drilled vertically (98%). 2 holes are drilled at -60° with azimuths of 050° and 230° . • The mineralisation dips approximately 35 degrees at a dip direction of 50 degrees (90 degrees Local Grid). • The drilling orientation and the intersection angles are deemed appropriate.
	• *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.*	• No orientation-based sampling bias has been identified.
Sample security	• *The measures taken to ensure sample security.*	• Chain of custody for PLS holes were managed by PLS personnel. Samples were delivered by PLS personnel to the Nagrom laboratory where the samples were analysed.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• The collar and assay data have been reviewed by checking all of the data in the supplied digital database against hard copy logs. • All Nagrom Assays were sourced directly from Nagrom as certified PDF and Excel files.

Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• *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*	• GAM owns 100% of the Mining Leases (M45/354; M45/375; M45/376 and M45/377) • An agreement is in place between GAM and Nagrom Mining Pty Ltd for mining and offtake. • PLS have purchased 50% of Nagrom Mining Ltd.
	• *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.*	• No known impediments.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• Goldrim Mining Ltd and Pancontinental Mining Ltd ("PanCon") completed 24 OHP, 59 RC and 3 DD holes between 1984 and 1991. • GAM drilling of 29 RC holes in 2013. • PLS completed 5 diamond holes in 2013
Geology	• *Deposit type, geological setting and style of mineralisation.*	• The Tabba Tabba pegmatites are part of the later stages of intrusion of Archaean granitic batholiths into Archaean metagabbros and metavolcanics. Tantalum mineralisation occurs in zoned pegmatites that intruded a sheared Archaean metagabbro. The pegmatite contains in outcrop a symmetrically disposed outer cleavlandite zone, mica zone and a megacrystic K feldspar zone with a centrally disposed quartz zone associated with an albitic replacement unit. The zones generally dip in sympathy with pegmatite margins. (*Sourced from PanCon historical reports).*
Drill hole Information	• *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, including easting and northing of the drill hole collar, elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar, dip and azimuth of the hole, down hole length and interception depth plus hole length.* • *If the exclusion of this information is justified on the basis that the*	• Refer to Appendix 1and 2 of this announcement.

Criteria	JORC Code explanation	Commentary
	information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	
Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.* • *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.* • *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	• Length weighed averages used for exploration results reported in table 1. • Cutting of high grades was not applied in the reporting of intercepts in Appendix 1. • No metal equivalent values are used.
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').*	• Note that some lower grade zones are included for purposes of geological continuity within the pegmatite.
Diagrams	• *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.*	• See Figure 1
Balanced reporting	• *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.*	• Comprehensive reporting of drill details has been provided in Appendix 1 and 2 of this announcement.
Other substantive exploration data	• *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*	• All meaningful & material exploration data has been reported.

Criteria	JORC Code explanation	Commentary
	deleterious or contaminating substances.	
Further work	• *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• Subject to mining studies now underway, the aim is to convert a high proportion of the Measured and Indicated Resources to Proven and/or Probable Ore Reserves.