

ASX/Media Announcement

26 October 2017

SEPTEMBER 2017 QUARTERLY ACTIVITIES REPORT

Landmark funding and off-take deal with China's Great Wall Motor Company caps a highly successful Quarter for Pilbara as construction at Pilgangoora moves into full swing

PILGANGOORA LITHIUM-TANTALUM PROJECT (PLS: 100%)

- Binding terms sheet executed with Great Wall Motor Company (**Great Wall**), one of China's largest automotive manufacturers, for off-take agreement for 75,000tpa of Stage 2 production with the ability to secure a further 75,000tpa on provision of Stage 2 debt or off-take prepayment funding, plus an upfront A\$28M equity subscription.
- Together, the Great Wall and previously-announced Ganfeng Lithium off-take arrangements, will underpin the Stage 2 expansion of the Pilgangoora Project, while also providing a potential off-take-linked debt financing solution for a significant proportion of the Stage 2 capital requirements.
- Bulk civil earthworks at Pilgangoora well advanced, with pad clearing and earth works now largely complete for the processing plant site and the initial cell 1 of the tailings dam facility.
- Award of milestone contracts ensures that Pilgangoora remains on target for first production in Q2 2018:
 - *Open pit mining contract awarded to leading integrated mining services contractor, MACA Limited;*
 - *7-year site power contract awarded to Contract Power Group, with provision for dual fuel and solar-hybrid applications;*
 - *Stage 2 of the Engineering, Procurement and Construction (EPC) contract for construction of the 2Mtpa Concentrator awarded to Australian-owned engineering company RCR Tomlinson;*
 - *Site-wide bulk civil earthworks construction contract awarded to NRW Pty Ltd;*
 - *Camp Stage 2 expansion contract awarded to Njamal Services and Pilbara Resource Group (NPJV); and*
 - *Camp services contract awarded to Action Industrial Catering, in joint venture with Njamal Services.*
- Pre-feasibility study commenced on the Stage 2 Pilgangoora expansion to 5Mtpa (targeted for completion late this year). Metallurgical testwork underway in support of the project expansion given the robust outlook for the lithium market and Stage 2 offtake already in place.
- A Definitive Feasibility Study on the Stage 2 expansion is targeted for completion by mid-2018.
- New high-grade zones of mineralisation identified in exploration at Monster North and Central North Extension.

CORPORATE

- Dale Henderson, former senior FMG executive, appointed to the Pilbara executive team as Project Director, charged with delivery of the balance of the Stage 1 Pilgangoora Project construction and operational readiness, then management of ongoing operations at Pilgangoora.
- Jason Cross, Manager – Projects, appointed to oversee the definitive feasibility study for the 5Mtpa Pilgangoora expansion project.
- \$15M Share Purchase Plan (**SPP**) announced on 27 June 2017 closed heavily oversubscribed on 17 July 2017. The SPP was part of the Company's landmark A\$228M debt and equity raising that was launched in the June Quarter to underpin the Pilgangoora Project development.
- Unrestricted cash balance at 30 September 2017 of \$78.95M (30 June 2017: \$87M). Subsequent to the end of the quarter, the Conditions Precedent to the drawdown of the US\$100 million Bond facility were satisfied, supporting the balance of the Stage 1 capital costs.

OVERVIEW

The September 2017 Quarter marked another active and highly successful period for Australian lithium developer, Pilbara Minerals Limited (ASX: PLS) (**Pilbara** or **the Company**), with construction and development activities at the Company's flagship 100%-owned Pilgangoora Lithium-Tantalum Project in Western Australia (**Pilgangoora Project**, **Pilgangoora** or **Project**) moving into full swing. Furthermore, the Company secured a landmark agreement with one of China's largest automotive manufacturers, Great Wall Motor Company (**Great Wall**), to support the proposed Stage 2, 5Mtpa expansion of the Pilgangoora Project.

The agreement with Great Wall – which encompasses off-take of up to 150,000tpa of Stage 2 chemical grade spodumene concentrate, potential Stage 2 debt financing support and a A\$28 million upfront equity subscription for Pilbara shares – is the first direct investment by an automobile manufacturer into an upstream supplier of lithium raw materials.

It represents a significant development for the rapidly evolving lithium-ion raw materials supply chain, highlighting the strategic importance for global automotive manufacturers of securing access to large scale, consistent, high quality sources of battery raw materials in low-risk jurisdictions.

The Stage 2 expansion of the Pilgangoora Project from 2Mtpa to 5Mtpa is currently being investigated in response to the strong appetite for spodumene concentrate globally. A Definitive Feasibility Study (**DFS**) for the Stage 2 expansion commenced during the Quarter targeting chemical grade spodumene concentrate (SC6.0 basis) production of approximately 800,000tpa, with completion of the DFS expected by mid-2018.

Together with the previously announced off-take agreement with Ganfeng Lithium, the latest off-take agreement with Great Wall underpins sales of between 150,000tpa and 300,000tpa of additional chemical grade spodumene concentrate from the proposed Stage 2 expansion, together with potential funding solutions to be negotiated with both parties representing close to 100% of the capital requirements for the development of the Stage 2 expansion.

Construction of the Stage 1 Project development is advancing well, with site works now well underway and the award of a series of key milestone contracts over the September Quarter putting the Company on target to commence commissioning and shipment of product during Q2 of 2018.

Reflecting the imminent transition to production, Pilbara appointed highly experienced mining executive Dale Henderson as Project Director during the Quarter to lead the completion of Stage 1 construction and commissioning and then manage the ongoing operations at Pilgangoora.

Exploration drilling continued during the Quarter with further outstanding exploration results being achieved, highlighting the continued growth potential and endowment of Pilbara's 100% owned Pilgangoora project.

OFF-TAKE AGREEMENT WITH GREAT WALL MOTOR COMPANY

Pilbara has executed a binding terms sheet with Great Wall Motor Company, one of China's largest automotive manufacturers, to further underpin the Stage 2 expansion of the Pilgangoora Project.

The agreement – encompassing up to 150,000tpa of Stage 2 chemical grade spodumene concentrate off-take, potential Stage 2 debt financing support and a A\$28 million upfront equity subscription for Pilbara shares – represents the first direct investment by an automobile manufacturer into an upstream supplier of lithium raw materials.

Great Wall is listed on the Hong Kong Stock Exchange and the Shanghai Stock Exchange, with a market capitalisation of approximately US\$18.1 billion. Great Wall is one of China's largest vehicle manufacturers, with more than 60,000 employees and four vehicle manufacturing bases.

As part of Great Wall's commitment to the Pilgangoora Project, it has also signed a binding Subscription Agreement to provide A\$28 million in consideration for 56 million fully-paid ordinary shares, with proceeds to be applied towards the construction of Stage 1 and the recently commenced Stage 2 PFS. Full details of this subscription agreement are outlined in the Corporate section below.

The Great Wall off-take agreement and previously announced off-take agreement with Ganfeng Lithium (see ASX announcements dated 2 May and 28 September 2017) support sales of between 150,000tpa and 300,000tpa of additional chemical grade spodumene concentrate from the proposed Stage 2 expansion of the Pilgangoora Project, together with a potential funding solution (to be negotiated with both off-takers on commercial terms following completion of the Stage 2 DFS) for close to 100% of the capital requirements for the development of Stage 2.

Under the binding terms agreed with Great Wall, Pilbara has also secured a first opportunity to participate in the ownership of a spodumene conversion plant by negotiating and entering into any potential joint venture with Great Wall or one of its subsidiaries, consistent with Pilbara's downstream strategy. The agreement contemplates that Stage 2 chemical grade spodumene concentrate will be supplied to such a jointly owned plant.

Key Off-take Terms

The key terms for the off-take with Great Wall are summarised below:

- 75,000tpa of chemical grade spodumene concentrate (SC6.0 basis) from the Stage 2 expanded production volumes of the Pilgangoora Project.
- An additional 75,000tpa of chemical grade spodumene concentrate (SC6.0 basis) from the Stage 2 expanded production volumes from the Pilgangoora Project (for a total of 150,000tpa), following negotiation and agreement of binding terms with respect to a US\$50 million debt or off-take prepayment funding facility within 60 days of completion of the Stage 2 DFS. The facility would be subject to all necessary approvals including from the Company's existing financiers.
- 5-year term for the off-take, with two further 5-year options for Great Wall to extend for up to a further 10 years, with the parties to negotiate in good faith any further extensions having regard to the remaining life of the project.
- Pricing is consistent with the Company's existing off-take agreements. It is a CIF (cost plus insurance and freight) price which is re-set by a pricing formula which references the price of lithium carbonate. The price of lithium carbonate in the off-take agreement is defined by historical import data and domestic pricing in China as determined by major cathode makers and for high grade lithium carbonate. The agreement provides in certain circumstances for pricing to be based on market pricing or by reference to a market benchmark index, should one develop over the term of the off-take agreement.
- Pilbara has also secured a first right to negotiate and participate in future spodumene conversion capacity with Great Wall or one of its subsidiaries via joint venture ownership of a process plant, and supply it with spodumene concentrate equivalent to Pilbara's percentage interest in the plant.
- The agreement and the obligation to deliver product under the off-take is subject to conditions precedent, including parties formalising its terms in a formal off-take agreement, Great Wall completing the A\$28 million equity placement in the Company, Pilbara completing the Stage 2 DFS, receipt of all necessary approvals, authorisations and consents for the Stage 2 expansion, and the Pilbara Board making a final investment decision to proceed with the Stage 2 expansion.

Formal documentation (in the form of a more comprehensive Stage 2 Off-take Agreement) is to be completed by 30 October 2017.

PILGANGOORA LITHIUM-TANTALUM PROJECT – DEVELOPMENT ACTIVITIES

PROJECT CONSTRUCTION

Construction of the Stage 1 Pilgangoora Project moved into full swing during the Quarter, following the Final Investment Decision (FID) announced on 23 June 2017 and the completion of the landmark A\$228 million funding package last Quarter. The successful execution and delivery of the Project remains Pilbara's key corporate objective with the aim of becoming a significant Australian lithium producer during Q2 of 2018.

Award of Key Contracts

Pilbara awarded a number of key project contracts during the September Quarter as part of its expedited construction schedule (see ASX announcements dated 24 July, 7 and 11 September 2017):

- **Open Pit Mining** – awarded to leading integrated mining services contractor, MACA Limited (ASX: MLD) through its subsidiary MACA Mining Pty Ltd. This contract includes provision of drill & blast and load & haul services, based on a mining rate of approximately 8Mtpa for the production of 2Mtpa of ore to meet the ore feed requirements of the Stage 1 Project development.
- **Stage 2 of Process Plant EPC** – awarded to RCR Tomlinson (RCR). This contract includes the balance of the plant, encompassing final detail design, equipment procurement, plant construction, and commissioning support.
- **Site Power** – awarded to Australian-owned Contract Power Group for the site power station construction and ongoing operations. Importantly, the Build Own Operate (BOO) power contract provides flexibility for the application of dual fuel (gas or diesel) within the first 2 years of the contract and for future solar-hybrid applications. This is consistent with Pilbara's commitment to apply the latest and lowest cost technology for the site's future power supply.
- **Site-Wide Bulk Earthworks** – awarded to NRW Pty Ltd initially for the pad preparation works for the processing facility required to enable RCR to commence construction. Additionally, the contract includes the clearing and preparation of the initial cells for the Tailings Management Facility (TMF).
- **Camp Stage 2** – awarded to the joint venture between Njamal Services and Pilbara Resource Group (NPJV) to complete the balance of the camp construction for the 300 person on-site accommodation facility, including preparatory civil works and the establishment of buried services, followed by the lifting of the balance of the rooms into position and connection of services.
- **Camp Services** – awarded to Action Industrial Catering Pty Ltd, in joint venture with Njamal Services, to provide camp management, catering, and maintenance services for the accommodation facility.

Stage 2, 5Mtpa Processing Expansion Studies

A Pre-Feasibility Study (PFS) released by the Company in September 2016 (see ASX announcement dated 20 September 2016) contemplated an expansion of the Pilgangoora Project from 2Mtpa to 4Mtpa nameplate capacity, resulting in chemical grade spodumene concentrate (SC6.0 basis) production increasing from 314,000tpa to 564,000tpa over the life-of-mine (existing reserve basis).

In response to market demand for lithium and the strong appetite for spodumene concentrate globally, Pilbara has commenced a Stage 2 PFS in respect of a 5Mtpa expansion case, targeting chemical grade spodumene concentrate (SC6.0 basis) production of approximately 800,000tpa.

Jason Cross (Manager – Projects) has been appointed to oversee the DFS for the Stage 2, 5Mtpa expansion project. Metallurgical testwork, process plant design, and mine planning are now underway in support of the Stage 2 project, with the Company aiming to refresh the previously published 4Mtpa PFS for a 5Mtpa process flow sheet during December 2017.

With the completion of the PFS, a DFS will then be undertaken on the 5Mtpa expansion project with the objective to have that completed by mid-2018.

The significant scale of the Pilgangoora Resource and Ore Reserve presents an opportunity to match the substantial demand which the Company sees in the global market for lithium raw materials to expanded mine production capacity. With 5Mtpa ore processing capacity at Pilgangoora, spodumene concentrate production capacity (SC6.0 equivalent) would grow to approximately 800,000 tonnes per annum, or approximately 100,000 tonnes of Lithium Carbonate Equivalent (LCE) capacity. At this scale, Pilgangoora would be one of the world's largest hard rock lithium mines, if not the largest, depending on the timing of expansion capacity at the existing Greenbushes mine.

Future expansion at Pilgangoora will be subject to further engineering studies and an assessment of the demand conditions for spodumene in the future.

Pilgangoora Project Execution – General Update

Site works at Pilgangoora are now well advanced with the Action Industrial Catering mobilising to site and opening the initial 60 rooms at the camp. The balance of the camp rooms installation and commissioning is now largely complete and full use of the facility is expected during the December quarter. NRW Pty Ltd is well advanced with the site bulk civil earthworks package, with all of the plant pads (with the exception of the crusher pad) handed over to RCR and detailed civil works now underway. Tailings dam pad preparation is also well advanced with site access road upgrades underway.



Figure 1 – Pilgangoora 300 person Accommodation Facility with all rooms installed



Figure 2 – Pilgangoora Process Plant Site and Tailings Dam Earthworks Overview



Figure 3 – Pilgangoora Process Plant Site Details



Figure 4 – Pilgangoora Tailings Dam Detail (Clearing and Cell1 Wall Key Trench)

The site communications infrastructure is now largely in place and, following the installation of the microwave link from the site through to the existing Wodgina mining operation, is expected to be commissioned during October.



Figure 5 – Site Communications Infrastructure during construction and completed

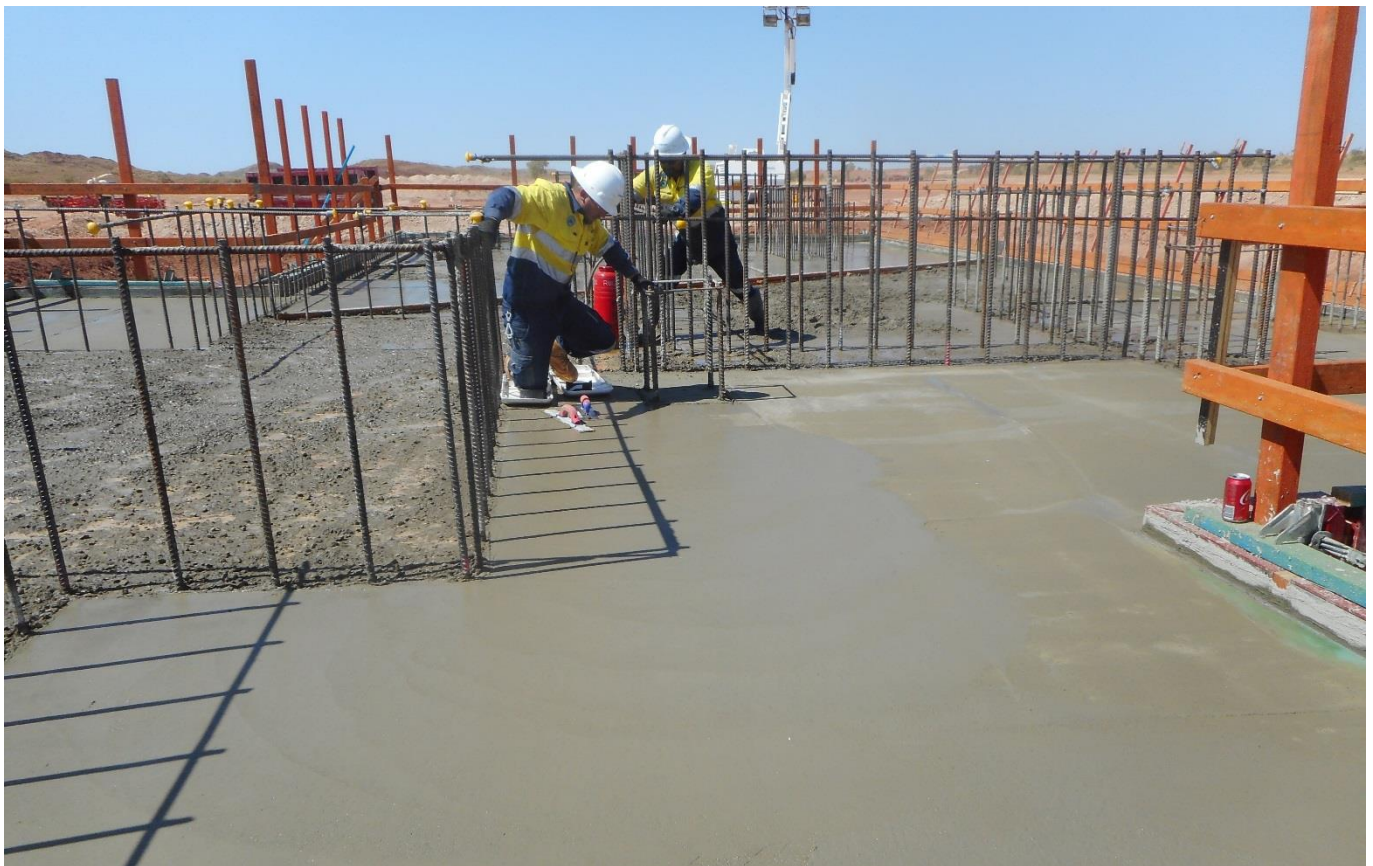


Figure 6 – Ball mill foundation pour



Figure 7 – Power station construction works commenced by Contract Power Group

Project Development Schedule

The indicative delivery program for the Project is provided in **Figure 8** below:

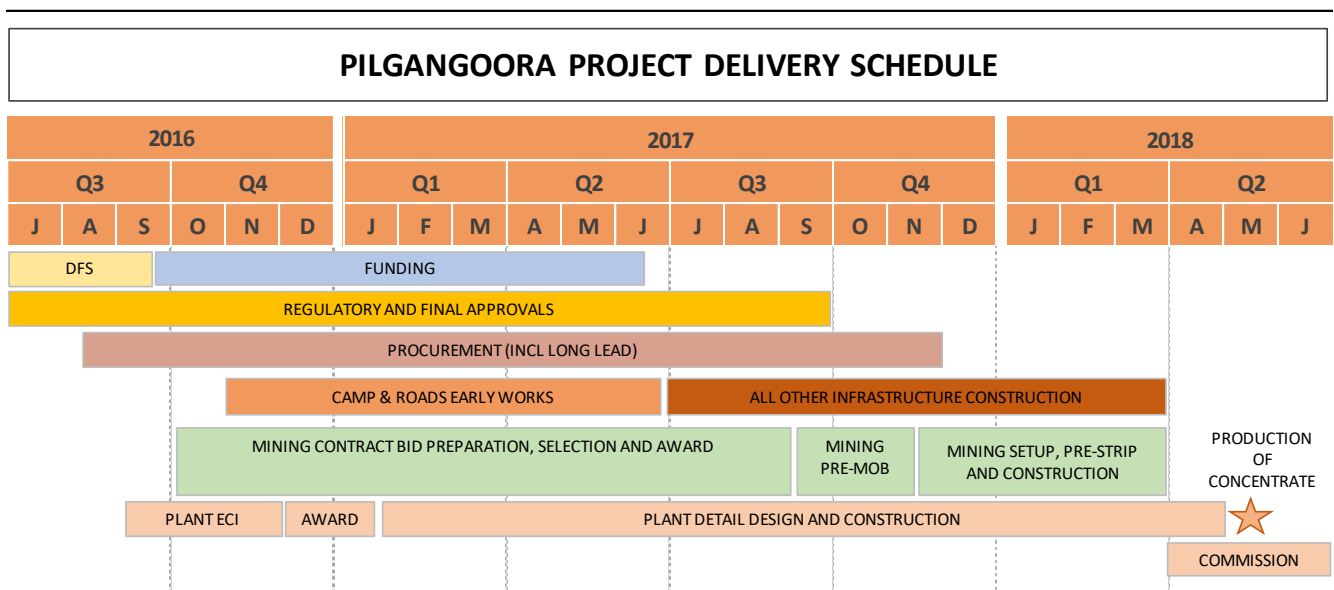


Figure 8 – Pilgangoora Project Delivery Schedule

Project Approvals

During the Quarter, the Company received the Works Approval from the Department of Water and Environment Regulation (“**DWER**”), which marks the final major environmental approval required to complete the construction and facilitate the ongoing operations of the processing and ancillary plant at the Pilgangoora Project.

EXPLORATION ACTIVITIES

Pilbara Minerals completed exploration and grade control reverse circulation (**RC**) drilling programs at Pilgangoora during the quarter. All up a total of 326 holes were completed for an advance of 18,566 metres.

Exploration Drilling

RC drilling was undertaken over a number of prospects including Far East, Monster, West End and Central (see Figure 9 following). The drilling program was undertaken by Strike Drilling Pty Ltd using a KWL1000 truck mounted rig and their SDR04 rig mounted on a VD3000 Marooka track base. Drill holes were designed to test a number of new targets and extensions to the existing resource base. All up a total of 82 holes for an advance of 11,319 metres were completed.

Several encouraging new zones of thick near surface pegmatite mineralisation have been identified at West End and Monster North. In addition, high grade thick intercepts have been returned from the north extension of the Central Pit. Results to date include 20m @ 1.62% Li₂O from the north extension of Central Pit area and 22m @ 1.15% Li₂O from 10m (PLS1052) in a new pegmatite sheet at Monster. Drilling results continue to demonstrate significant widths and grades including;

- ***21m @ 1.67% Li₂O from 178m and 95ppm Ta₂O₅ (PLS1049);***
- ***20m @ 1.62% Li₂O from 141m and 123ppm Ta₂O₅ (PLS1048);***
- ***12m @ 1.99% Li₂O from 184m and 97ppm Ta₂O₅ (PLS1045); and***
- ***22m @ 1.15% Li₂O from 10m and 179ppm Ta₂O₅ (PLS1052).***

A significant proportion of results remain outstanding and will be reported during the current quarter. Additional RC exploration drilling is currently being planned for Q1 2018 as part of the Stage 2 expansion project with the key objective being to upgrade current Inferred Resources to Indicated and Measured category. This information together with the results from the current drilling program will form the basis of an expanded resource and reserve estimation for the Stage 2 expansion project in Q2 2018.

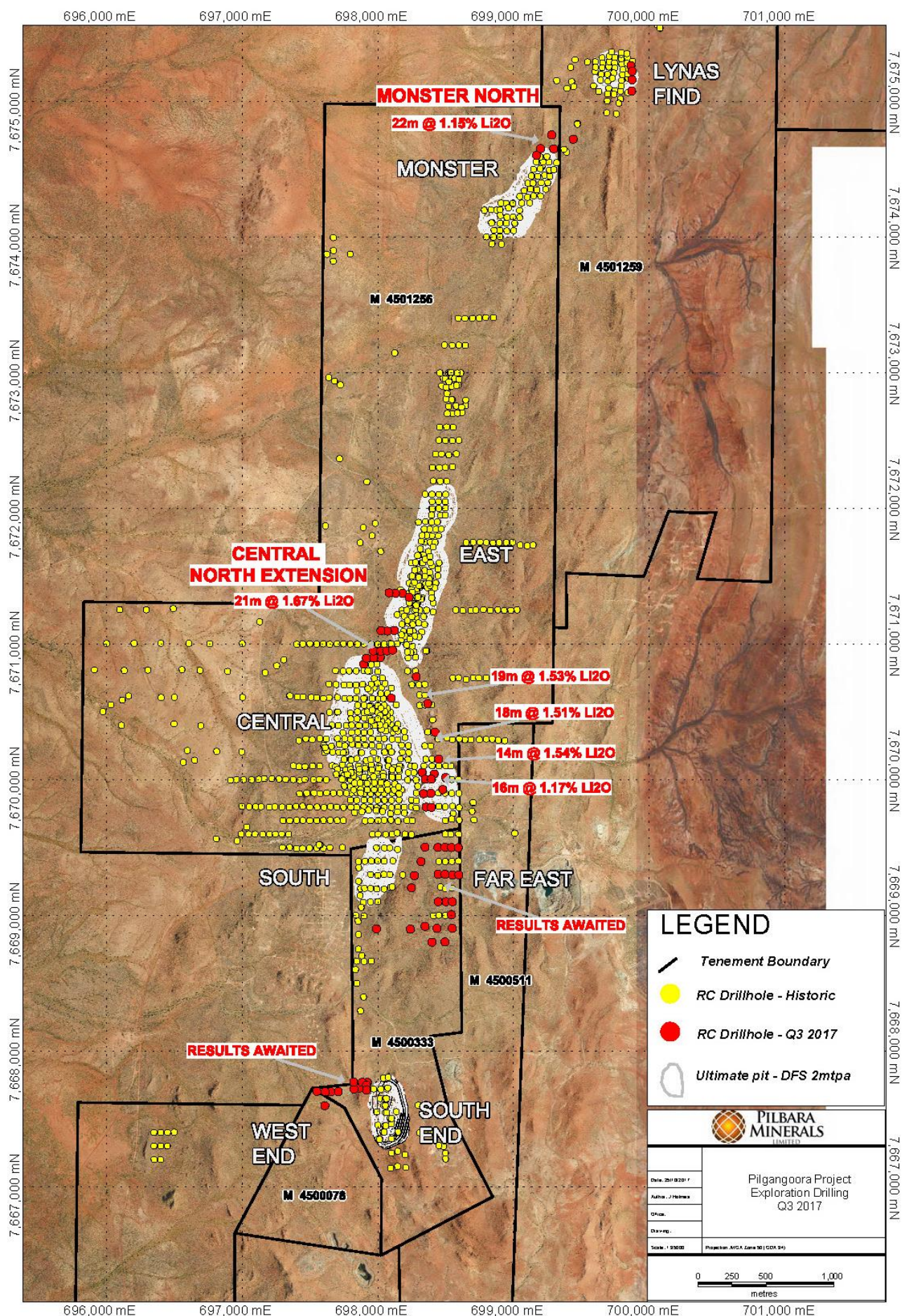


Figure 9 – Drill hole location plan

RC Grade Control Drilling

Pilbara Minerals has completed infill RC grade control drilling for a number of additional pegmatite domains within the Stage 1 Central pit as well as the Monster pit.

Drilling was undertaken by Mt Magnet Drilling Pty Ltd using an RC450 track mounted Schramm drill rig on nominal 12.5m x 12.5m centres in Central and 25 x 12.5m centres at Monster. All up 244 holes were completed for a total of 7,247m with an average hole depth of 30m. Variogram modelling and resource reconciliation studies are in progress. Preliminary grade estimations are showing very similar results for tonnes, grade and contained Li₂O tonnes within the constrained limits.

Stage 2 Expansion case – Diamond Drilling

A 960m PQ diamond drilling program has recently commenced at the Central and Eastern prospects. Drill core from this program will be used for additional metallurgical test work as part of the Companies Stage 2 expansion Definitive Feasibility Study.

Mt Francisco

While the Company had expected to progress access at Mt Francisco for drilling during 2017, the process for access to the project area has taken longer than expected. During the September quarter the Company further progressed access to the Mt Francisco area with several meetings and resolutions and consents received from the Kariyarra Native Title Claimant Group and the Mugarinya Community Association, who are the entrusted reserve custodians in the project area. A request for Entry Permit has also been lodged with the Aboriginal Lands Trust (ALT), and is scheduled to be assessed at the upcoming ALT Board Meeting (expected during early December).

Geological studies are currently underway in preparation for the 2018 field program. Access to the Mt Francisco area is scheduled to commence with re-instatement of the access tracks and an enhanced field mapping program to commence after the wet season in early 2018. This will be followed up by detailed sampling, targeted drilling programs and resource estimation during the course of the 2018 calendar year.

CORPORATE

PROJECT FUNDING

Great Wall Motors Equity Subscription Agreement

In addition to the binding terms sheet executed with Great Wall Motor Company for a Stage 2 off-take agreement (outlined above), Great Wall has also signed a binding and conditional Subscription Agreement to provide A\$28 million in consideration for 56 million fully-paid ordinary shares in Pilbara, with proceeds to be applied towards the construction of Stage 1 and the recently commenced Stage 2 DFS.

The Great Wall Subscription Agreement replaces the previously announced General Lithium Subscription Agreement (A\$17.75 million), which has been unable to proceed due to regulatory constraints in China. The additional A\$10 million funding provided by Great Wall facilitates the completion of the expedited Stage 2 feasibility studies the Company is currently pursuing to grow Pilgangoora production.

The equity subscription will be completed once the parties have formalised the binding off-take terms in a more comprehensive off-take agreement, which is to occur by 30 October 2017.

The key terms of the Subscription Agreement are as follows:

- An equity placement to Billion Sunny Development Limited, a Hong Kong domiciled, wholly owned subsidiary of Great Wall, of 56 million fully paid ordinary shares at A\$0.50 per share for total proceeds of A\$28 million.
- The placement is conditional on execution of a more comprehensive Stage 2 off-take agreement being entered into by the parties. Importantly, the A\$28 million equity subscription is not subject to People's Republic of China exchange control or other governmental approvals.

- Completion of the placement is to occur three business days after satisfaction of the conditions precedent, which must occur on or before 30 October 2017 (or such other date as agreed by the parties).
- Billion Sunny Development Limited will have the right to appoint one director to the Company's board of directors if Billion Sunny Development Limited acquires and holds a minimum of 15% of the issued shares of Pilbara.
- The placement will be within the Company's placement capacity under ASX Listing Rule 7.1 and accordingly no shareholder approval is required in connection with the placement.

Completion of Share Purchase Plan

The Share Purchase Plan (**SPP**) announced on 27 June 2017 closed on 17 July 2017 heavily oversubscribed with applications in excess of A\$29.8 million received from existing shareholders (see ASX announcement dated 18 July 2017).

The success of the SPP demonstrated strong support from existing shareholders and followed the successful completion of the US\$100 million bond issue and significantly oversubscribed A\$80 million equity placement completed in the June Quarter (see ASX announcements dated 19 and 22 June 2017).

Following careful consideration, the Company's Board determined to accept valid applications under the SPP offer totalling approximately A\$15 million.

BOARD AND SENIOR MANAGEMENT UPDATE

In consideration of the near-term transition to ongoing operations, Pilbara has secured the appointment of highly experienced mining executive Dale Henderson in the role of Project Director to deliver the balance of the Stage 1 construction, establish Pilbara's operational readiness, and then take responsibility for the ongoing operations (see ASX announcement dated 11 September 2017).

Mr Henderson is a Civil Engineer who has led significant development projects (including FMG's Northstar mine and processing development, just 15km from the Pilgangoora site) and has had extensive operational management experience that will contribute significantly to the continued growth of the Company.

Mr Henderson's commencement with the Company on 4 September facilitates Jason Cross's (Manager – Projects) move to take responsibility for delivery of the DFS for the Stage 2, 5Mtpa expansion project.

Non-executive Director and company founder, Neil Biddle, stepped down from the Company's Board effective from 26 July 2017. In addition, John Young transitioned from his role as Technical Director to non-executive Director effective from 1 August 2017.

SALE OF TABBA TABBA PLANT

During the Quarter, the Company completed the sale of the Tabba Tabba modular processing plant to Tungsten Mining NL (ASX: TGN) (see TGN ASX announcements dated 21 July and 21 September 2017).

The consideration price was \$600,000, comprising \$300,000 cash and \$300,000 in Tungsten Mining shares (**Consideration Shares**). The Consideration Shares are in two tranches, with the first tranche of 3,750,000 shares issued at a deemed price of \$0.04 per share, equating to \$150,000. The second tranche, representing deferred consideration equating to \$150,000, is to be issued six months after settlement at an issue price being the lesser of \$0.04 per share and the five-day volume weighted average price immediately preceding the date of issue.

ISSUE OF SHARES TO NOVO LITIO

Pilbara issued 7,577,671 fully paid ordinary shares to Novo Lítio Ltd (ASX: NLI) in full satisfaction of the final payment under the Sale Agreement for the Lynas Find lithium project in WA (see ASX announcements dated 1 December 2016 and 15 August 2017).

Total consideration for the project acquisition was \$8.0 million, of which Pilbara paid \$5.0 million in cash at completion. Pilbara elected to settle the remaining \$3.0 million in consideration by the issue of 7,577,671 fully paid ordinary shares at an issue price of \$0.3959 per share, following the formal grant and transfer on 1 August 2017 of the remaining four (4) Lynas Find tenements to Pilbara. The issue price was calculated by reference to the 30-day VWAP of Pilbara shares traded on ASX up until close of trade on 14 August 2017.

Cash Balance

The Company had an unrestricted cash balance of \$78.95M as at 30 September 2017 (\$87.2M as at 30 June 2017). During the Quarter, the Company received cash proceeds of \$28.9M following completion of Tranche 2 of the Placement announced in the June 2017 quarter and the Share Purchase Plan. Major items of expenditure during the Quarter included \$30.4M on the construction and development of the Pilgangoora Project, \$3.8M on interest payments largely associated with the secured USD Bond facility, \$1.9M on administration and corporate costs and \$1.6M on exploration and evaluation work in relation to the Pilgangoora Project (including associated feasibility studies).

At 30 September 2017 the proceeds from the US\$100M senior secured bond facility were classified as “restricted cash” and held in an escrow account. Funds will be released from the escrow account upon the satisfaction of a customary cost to complete test for the Pilgangoora Project.

More Information:

ABOUT PILBARA MINERALS

Pilbara Minerals ("Pilbara" – ASX: PLS) is a mining and exploration company listed on the ASX, specialising in the exploration and development of the specialty metals Lithium and Tantalum. Pilbara owns 100% of the world class Pilgangoora Lithium-Tantalum project which is which is one of the world's premier lithium development projects. Pilgangoora is also one of the largest pegmatite hosted Tantalite resources in the world and Pilbara proposes to produce Tantalite as a by-product of its Spodumene production.

ABOUT LITHIUM

Lithium is a soft silvery white metal which is highly reactive and does not occur in nature in its elemental form. It has the highest electrochemical potential of all metals, a key property in its role in Lithium-ion batteries. In nature it occurs as compounds within hard rock deposits and salt brines. Lithium and its chemical compounds have a wide range of industrial applications resulting in numerous chemical and technical uses. A key growth area is its use in lithium batteries as a power source for a wide range of applications including consumer electronics, power station-domestic-industrial storage, electric vehicles, power tools and almost every application where electricity is currently supplied by fossil fuels.

ABOUT TANTALUM

The Tantalum market is boutique in size with around 1,300 tonnes required each year. Its primary use is in capacitors for consumer electronics, particularly where long battery life and high performance is required such as smart phones, tablets and laptops.

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COMPETENT PERSONS STATEMENTS

The information in this report that relates to Exploration Results and Exploration Targets is based on and fairly represents information and supporting documentation prepared by Mr John Holmes (Exploration Manager of Pilbara Minerals Limited). Mr Holmes is a shareholder of Pilbara Minerals. Mr Holmes is a member of the Australasian Institute of Geoscientists 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 Holmes 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 25 January 2017 Pilgangoora 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 resource announcement made on 25 January 2017.

The Company confirms it is not aware of any new information or data that materially affects the information included in the 29 June 2017 Pilgangoora Ore 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 resource announcement made on 29 June 2017.

FORWARD LOOKING STATEMENTS AND IMPORTANT NOTICE

This announcement may contain some references to forecasts, estimates, assumptions and other forward-looking statements. Although the Company believes that its expectations, estimates and forecast outcomes are based on reasonable assumptions, it can give no assurance that they will be achieved. They may be affected by a variety of variables and changes in underlying assumptions that are subject to risk factors associated with the nature of the business, which could cause actual results to differ materially from those expressed herein. All references to dollars (\$) and cents in this announcement are to Australian currency, unless otherwise stated.

Investors should make and rely upon their own enquiries before deciding to acquire or deal in the Company's securities.

Appendix 1 – Tenement Table as at 30 September 2017

Lease	Location	Status	Registered Holder	PLS beneficial holding at commencement of period	PLS beneficial holding at end of period
ACTIVE TENEMENTS and APPLICATION AT COMMENCEMENT OF THE QUARTER					
E45/2241	Pilgangoora	Granted	PILBARA MINERALS LTD	100%	100%
E45/3560	Pinnacle	Granted	PILBARA MINERALS LTD	100%	100%
E45/3648	Pilgangoora	Granted	PILBARA MINERALS LTD	100%	100%
E45/4523	Pilgangoora	Granted	PILBARA MINERALS LTD	100%	100%
E45/4624	Pilgangoora	Granted	PILBARA MINERALS LTD	100%	100%
E45/4633	Pilgangoora	Granted	PILBARA MINERALS LTD	100%	100%
E45/4640	Pilgangoora	Granted	PILBARA MINERALS LTD	100%	100%
E45/4648	Pinga	Granted	PILBARA MINERALS LTD	100%	100%
E45/4689	Pilgangoora	Granted	DAKOTA MINERALS LIMITED	100%	100%
E45/4270	Mt Francisco	Granted	PILBARA MINERALS LTD / ATLAS IRON LTD	51%	51%
L45/388	Pilgangoora	Granted	PILBARA MINERALS LTD	100%	100%
L45/396	Pilgangoora	Granted	PILBARA MINERALS LTD	100%	100%
L45/402	Pilgangoora	Granted	PILBARA MINERALS LTD	100%	100%
L45/403	Pilgangoora	Granted	PILBARA MINERALS LTD	100%	100%
L45/411	Pilgangoora	Application	PILBARA MINERALS LTD	100%	100%
L45/413	Pilgangoora	Granted	PILBARA MINERALS LTD	100%	100%
L45/414	Pilgangoora	Granted	PILBARA MINERALS LTD	100%	100%
L45/417	Pilgangoora	Granted	PILBARA MINERALS LTD	100%	100%
L45/421	Pilgangoora	Application	PILBARA MINERALS LTD	100%	100%
L45/425	Pilgangoora DSO	Application	PILBARA MINERALS LTD	100%	100%
L45/426	Pilgangoora	Application	PILBARA MINERALS LTD	100%	100%
L45/429	Pilgangoora	Application	PILBARA MINERALS LTD	100%	100%
L45/430	Pilgangoora	Application	PILBARA MINERALS LTD	100%	100%
M45/1256	Pilgangoora	Granted	PILBARA MINERALS LTD	100%	100%
M45/1259	Pilgangoora DSO	Application	DAKOTA MINERALS LIMITED	100%	100%
M45/333	Pilgangoora	Granted	PILBARA MINERALS LTD	100%	100%
M45/511	Pilgangoora	Granted	PILBARA MINERALS LTD	100%	100%
M45/78	Pilgangoora	Granted	PILBARA MINERALS LTD	100%	100%
P 45/2783	Pilgangoora	Granted	DAKOTA MINERALS LIMITED	100%	100%
APPLICATIONS MADE DURING THE QUARTER					
L45/434	Pilgangoora	Application	PILBARA MINERALS LTD	0%	100%
TENEMENTS DISPOSED OF DURING THE QUARTER					
L45/412	Pilgangoora	Application	PILBARA MINERALS LTD	100%	0%

Appendix 2 – Q3 2017 Exploration Drill Hole Collars

Hole ID	East GDA94	North GDA94	RL	Dip	Azm	Depth
PLS1000	697920	7667717	198	-60	270	82
PLS1001	697865	7667726	197	-60	270	50
PLS1002	697824	7667720	196	-60	270	22
PLS1003	697924	7667769	203	-60	270	94
PLS1004	697885	7667768	209	-60	270	158
PLS1005	697822	7667772	217	-60	270	142
PLS1006	697710	7667701	200	-60	270	75
PLS1007	697653	7667699	197	-60	270	144
PLS1008	697612	7667700	197	-60	270	106
PLS1009	697552	7667703	194	-60	270	100
PLS1012	697609	7667596	194	-60	270	94
PLS1015	698326	7670053	228	-60	270	66
PLS1016	698415	7670041	226	-60	270	170
PLS1017	698501	7670016	200	-60	280	160
PLS1018	698350	7670002	226	-60	270	100
PLS1019	698395	7670003	228	-60	270	112
PLS1023	698337	7669896	203	-60	270	70
PLS1024	698392	7669899	216	-60	270	96
PLS1027	698355	7669797	187	-60	270	52
PLS1028	698395	7669795	187	-60	270	64
PLS1029	698183	7671373	190	-60	270	75
PLS1030	698130	7671373	188	-60	270	75
PLS1031	698083	7671375	188	-60	270	100
PLS1032	698231	7671345	193	-60	270	108
PLS1033	698122	7671099	204	-60	270	100
PLS1034	698071	7671095	202	-60	270	125
PLS1035	698023	7671097	200	-60	270	165
PLS1036	698100	7670600	200	-60	270	185
PLS1044	697898	7670850	193	-60	270	119
PLS1045	698018	7670899	203	-60	270	218
PLS1046	697970	7670897	203	-60	270	192
PLS1047	697916	7670895	194	-60	270	130
PLS1048	697967	7670948	197	-60	270	176
PLS1049	698021	7670946	199	-60	270	222
PLS1050	698067	7670948	192	-60	270	293
PLS1051	698109	7670954	190	-60	270	150
PLS1052	699199	7674650	202	-60	270	100
PLS1054	699296	7674649	206	-60	270	130
PLS1058	699281	7674751	197	-60	270	128
PLS1067	699440	7674719	207	-90	0	100
PLS1069	699873	7675158	202	-90	0	76
PLS1071	699872	7675073	221	-90	0	150
PLS1078	698283	7670757	200	-60	270	421
PLS1079	698367	7670560	206	-60	270	475
PLS1080	698422	7670350	222	-60	270	499
PLS1081	698450	7670151	233	-60	270	475
PLS1082	698479	7669926	203	-60	270	458
PLS1088	699866	7675261	201	-90	0	58

Hole ID	East GDA94	North GDA94	RL	Dip	Azm	Depth
PLS1089	699874	7675221	204	-90	0	46
PLS1090	699169	7674601	205	-60	270	76
PLS1091	697916	7667747	201	-60	270	55
PLS1092	697917	7667711	198	-60	220	52
PLS807	698443	7669500	190	-60	220	142
PLS808	698495	7669501	193	-60	270	200
PLS809	698543	7669499	197	-60	270	100
PLS810	698594	7669498	193	-60	270	200
PLS815	698445	7669303	196	-60	270	140
PLS816	698495	7669302	199	-60	270	148
PLS817	698552	7669297	198	-60	270	190
PLS818	698597	7669298	202	-60	270	230
PLS822	698445	7669101	202	-60	270	130
PLS823	698501	7669100	203	-60	270	148
PLS824	698549	7669100	205	-60	270	112
PLS977	698542	7669003	212	-60	270	109
PLS978	697991	7668900	234	-60	270	46
PLS983	698240	7668898	216	-60	270	90
PLS985	698348	7668919	203	-60	270	136
PLS987	698435	7668903	198	-60	270	136
PLS989	698549	7668904	213	-60	270	200
PLS990	698400	7668802	201	-60	270	172
PLS992	698495	7668804	205	-60	270	190
PLS994	698348	7669502	192	-60	270	95
PLS995	698319	7669395	190	-60	270	68
PLS996	698270	7669293	195	-60	270	30
PLS996A	698269	7669293	195	-60	270	56
PLS997	698248	7669202	207	-60	270	70
P1-07	682200	7657476	200	-90	0	84
P1-08	682400	7656304	200	-90	0	72
P1-09	682600	7655025	200	-90	0	72
P1-10	686419	7667203	200	-90	0	96
P2-03	684386	7667736	200	-90	0	78
P2-04	682603	7665431	200	-90	0	90

Appendix 3 – Q3 2017 Drill Hole Intersection Summary (0.5% Li2O cut)

Hole ID	From (m)	To (m)	Thickness (m)	Li2O %	Ta2O5 (ppm)
PLS1090	0	6	6	1.19	82
PLS1090	45	59	14	1.38	161
PLS1082	68	84	16	1.17	71
PLS1082	302	305	3	0.52	74
PLS1082	403	411	8	1.32	66
PLS1082	446	449	3	1.69	78
PLS1081	109	110	1	0.98	196
PLS1081	153	160	7	2.04	58
PLS1081	327	341	14	1.54	79
PLS1081	448	462	14	1.65	47
PLS1080	15	16	1	0.61	318
PLS1080	29	32	3	1.94	267
PLS1080	168	181	13	1.74	71
PLS1080	368	371	3	1.53	66
PLS1080	375	376	1	0.79	72
PLS1080	477	495	18	1.51	46
PLS1079	16	26	10	0.72	125
PLS1079	88	93	5	1.6	92
PLS1079	122	126	4	1.22	164
PLS1079	242	248	6	1.41	105
PLS1079	289	295	6	0.98	79
PLS1079	358	364	6	1.24	74
PLS1079	447	466	19	1.53	58
PLS1078	27	34	7	1.57	220
PLS1078	40	43	3	1.07	230
PLS1078	72	74	2	0.76	233
PLS1078	195	197	2	1.64	106
PLS1078	228	242	14	1.45	74



Hole ID	From (m)	To (m)	Thickness (m)	Li2O %	Ta2O5 (ppm)
PLS1078	322	325	3	0.6	41
PLS1078	350	360	10	1.3	109
PLS1078	372	374	2	0.72	102
PLS1054	42	43	1	0.65	431
PLS1054	81	88	7	0.94	143
PLS1054	99	100	1	0.53	95
PLS1052	10	32	22	1.15	179
PLS1052	48	50	2	1.31	52
PLS1049	42	43	1	0.7	78
PLS1049	74	81	7	0.71	180
PLS1049	90	93	3	1.42	85
PLS1049	158	160	2	1.25	126
PLS1049	178	199	21	1.67	95
PLS1049	205	220	15	1.31	214
PLS1048	30	36	6	0.96	183
PLS1048	114	115	1	0.87	83
PLS1048	141	161	20	1.62	123
PLS1047	106	120	14	0.99	98
PLS1046	10	13	3	1.75	146
PLS1046	39	43	4	0.63	199
PLS1046	125	126	1	0.51	4
PLS1046	151	164	13	1.93	122
PLS1046	173	182	9	1.73	367
PLS1045	76	81	5	1.83	257
PLS1045	96	99	3	1.61	124
PLS1045	184	196	12	1.99	97
PLS1045	204	215	11	1.62	389
PLS1044	15	16	1	0.55	35
PLS1044	95	104	9	0.87	176
PLS1044	108	114	6	1.04	72



Hole ID	From (m)	To (m)	Thickness (m)	Li2O %	Ta2O5 (ppm)
PLS1032	6	10	4	1.35	208
PLS1032	23	41	18	0.89	214
PLS1032	62	63	1	1.23	177
PLS1032	80	81	1	0.71	11
PLS1032	84	85	1	0.67	275
PLS1032	88	89	1	1.25	33
PLS1030	33	35	2	0.72	367
PLS1029	10	11	1	0.51	2
PLS1029	21	27	6	1.72	198

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	<i>Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</i>	Pilbara Minerals Limited (PLS) have completed 82 RC drill holes for 11319m and 244 RC Grade Control holes for 7247m during Q3 2017 . Results are being reported are for 17 RC holes see Appendix 3. The balance of results are outstanding at the time of reporting.
	<i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i>	PLS RC holes were sampled every metre, with samples split on the rig using a cyclone splitter. The sampling system consisted of a rig mounted cyclone with cone splitter and dust suppression system. The cyclone splitter was configured to split the cuttings at 85% to waste (to be captured in 600mm x 900mm green plastic mining bags) and 15% to the sample port in draw-string calico sample bags (10-inch by 14-inch). PQ/HQ Core measured and marked up on site and photographed prior to transport to Perth.
	<i>Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.</i>	PLS holes were all RC, with samples split at the rig, samples are then sent to NAGROM Perth laboratory and analysed for a suite of 18 elements. Analysis was completed by XRF and ICP techniques.
Drilling techniques	<i>Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).</i>	RC Drilling was completed by Strike Drilling Pty Ltd using a KWL1000 truck mounted rig and an SDR04 rig mounted on a VD3000 Marooka track base. RC grade control drilling was undertaken by Mt Magnet Drilling Pty Ltd using an RC450 track mounted Schramm drill rig. Drilling used a reverse

Criteria	JORC Code explanation	Commentary
		circulation face sampling hammer. The sampling system consisted of a rig mounted cyclone with cone splitter and dust suppression system.
Drill sample recovery	<i>Method of recording and assessing core and chip sample recoveries and results assessed.</i>	Sample recovery was recorded as good for RC holes.
	<i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i>	Whilst drilling through the pegmatite, rods were flushed with air after each 6 metre interval.
	<i>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</i>	Samples were dry and recoveries are noted as "good."
Logging	<i>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</i>	1m samples were laid out in lines of 20 or 30 samples with cuttings collected and geologically logged for each interval and stored in 20 compartment plastic rock-chip trays with hole numbers and depth intervals marked (one compartment per 1m). Geological logging information was recorded directly onto digital logging system and information validated and transferred electronically to Database administrators in Perth. The rock-chip trays are to be stored on site at Pilgangoora.
	<i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i>	Logging has primarily been quantitative.
	<i>The total length and percentage of the relevant intersections logged.</i>	The database contains lithological data for all holes in the database.
Sub-sampling techniques and sample preparation	<i>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.</i>	RC samples were generally dry and split at the rig using a cyclone splitter, which is appropriate and industry standard.
	<i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i>	PLS samples have field duplicates, field standards and blanks as well as laboratory splits and repeats.

Criteria	JORC Code explanation	Commentary
	<i>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</i>	Field duplicates were taken approximately every 20m, and standards and blanks every 50 samples.
	<i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i>	Drilling sample sizes are considered to be appropriate to correctly represent the tantalum and lithium mineralization at Pilgangoora based on the style of mineralization (pegmatite) and the thickness and consistency of mineralization.
Quality of assay data and laboratory tests	<i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i>	PLS samples were assayed NAGROM Perth laboratory and analysed for a suite of 18 elements via ME-MS91 Sodium Peroxide for ICPMS finish and Peroxide fusion with an ME-ICP89 a ICPAES finish.
	<i>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i>	No geophysical tools were used to determine any element concentrations used in this resource estimate.
	<i>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.</i>	PLS duplicates of the samples were taken at twenty metre intervals with blanks and standards inserted every 50m. Comparison of duplicates by using a scatter chart to compare results show the expected strong linear relationship reflecting the strong repeatability of the sampling and analysis process. The PLS drilling contains QC samples (field duplicates, blanks and standards plus laboratory pulp splits, and Nagrom internal standards), and have produced results deemed acceptable.
Verification of sampling and assaying	<i>The verification of significant intersections by either independent or alternative company personnel.</i>	Infill drilling completed by PLS in this program has confirmed the approximate width and grade of historical drilling.
	<i>The use of twinned holes.</i>	
	<i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i>	An electronic database containing collars, surveys, assays and geology is maintained by Trepanier Pty Ltd, an Independent Geological consultancy.

Criteria	JORC Code explanation	Commentary
	<i>Discuss any adjustment to assay data.</i>	Li was converted to Li ₂ O for the purpose of reporting. The conversion used was Li ₂ O = Li x 2.153
Location of data points	<i>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.</i>	PLS holes were surveyed using DGPS in GDA94, Zone 50. Down hole surveying of drill holes was conducted using a Reflex EZ-shot, electronic single shot camera to determine the true dip and azimuth of each hole. Measurements were recorded at the bottom of each hole. Drill hole collar locations will be surveyed at the end of the program by a differential GPS (DGPS).
	<i>Specification of the grid system used.</i>	The grid used was MGA (GDA94, Zone 50)
	<i>Quality and adequacy of topographic control.</i>	The topographic surface used was supplied by GAM
Data spacing and distribution	<i>Data spacing for reporting of Exploration Results.</i>	Drilling spacings varied between 12m to 200m apart
	<i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i>	The interpretation of the mineralised domains are supported by a moderate drill spacing, plus both geological zones and assay grades can be interpreted with confidence.
	<i>Whether sample compositing has been applied.</i>	No compositing
Orientation of data in relation to geological structure	<i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i>	The mineralisation dips approximately 45-60 degrees at a dip direction of 090 degrees The drilling orientation and the intersection angles are deemed appropriate.
	<i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</i>	No orientation-based sampling bias has been identified.

Criteria	JORC Code explanation	Commentary
Sample security	<i>The measures taken to ensure sample security.</i>	Chain of custody for PLS holes were managed by PLS personnel.
Audits or reviews	<i>The results of any audits or reviews of sampling techniques and data.</i>	Sampling techniques for historical assays have not been audited. The collar and assay data have been reviewed by checking all of the data in the digital database against hard copy logs. All PLS assays were sourced directly from the NAGROM laboratory.

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	<i>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</i>	PLS owns 100% of tenements M45/1256, M45/333, M45/511, Application for M45/1259
	<i>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.</i>	No known impediments.
Exploration done by other parties	<i>Acknowledgment and appraisal of exploration by other parties.</i>	Talison completed RC holes in 2008 GAM completed RC holes between 2010 and 2012.
Geology	<i>Deposit type, geological setting and style of mineralisation.</i>	The Pilgangoora 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 have intruded a sheared metagabbro.
Drill hole Information	<i>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</i>	Refer to Appendix 2 this announcement.

Criteria	JORC Code explanation	Commentary
	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 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 2 and 3. Cutting of high grades was not applied in the reporting of intercepts in Table 2 and 3 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').	Downhole lengths are reported in Table 2 and 3
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 Figures 1-3
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 2 of this announcement.
Other substantive	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey	All meaningful & material exploration data has been reported.

Criteria	JORC Code explanation	Commentary
exploration data	<i>results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</i>	
Further work	<i>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.</i>	The aim is to upgrade the existing JORC compliant resource calculation.