



30 April 2019

ASX Announcement

## MARCH 2019 QUARTERLY ACTIVITIES REPORT

Woomera Mining Limited (ASX: WML) (“WML” or “the Company”) is pleased to provide the following March 2019 Quarterly Activities Report on exploration works undertaken across several of the prospective projects within the Woomera asset portfolio.

### Highlights

#### Pilgangoora

- 588 soil samples on a nominal 100m x 100m grid and 68 rock chip samples were taken over areas of anomalous lithium outlined from the November 2018 soil sampling program.
- Sampling confirmed the presence of evolved pegmatites within the tenements
- 6 areas outlined as priority RC drill targets.

#### Labyrinth and Nawa

- EL 6134 which hosts the Labyrinth Project and EL 6426 which hosts the Nawa Project are located within the Woomera Prohibited Area and are subject to a co-existence model with the Department of Defence.
- The tenements are covered by the Antakirinja Matu-Yankunytjatjara Native Title Claim. Woomera and AMYAC signed a Native Title Mining Agreement and once registered, Woomera will plan on-country Heritage Surveys as a precursor to drilling.

#### Mt Cattlin

- E 74/632 was granted on 12 March 2019.
- Woomera is engaging with private land owners regarding Woomera’s plans to conduct low impact exploration on their land. Sampling should proceed post the 2019 harvest, normally in the period December 2019 – April 2020.

#### Musgrave Province

- In March, the Company announced that OZ Exploration Pty Ltd intended to bring its participation in the Musgrave Alcurra – Teyon Project to an early close. The outcome of this decision will bring the Musgrave Project back to 100% control for Woomera.
- During the Quarter, Woomera received confirmation from DEM regarding the Company’s applications to regain tenure over lapsed ground, and the receipt of exploration licences is expected imminently.

## Gerard Anderson, Woomera Mining's Managing Director, comments on the Quarter:

*"The past Quarter saw significant advances in land access with the granting of tenements covering previously lapsed ground in the Musgraves and at Mt Carulinia, the signing of a Native Title Mining Agreement with the Antakirinja Matu-Yankunytjatjara over two of the Company's key exploration priority areas – the Labyrinth and Nawa Projects, the signing of standard Heritage Agreements with the Njamal Aboriginal Corporation over the Company's two granted Pilgangoora tenements and engagement with private landowners within the Company's three Mt Cattlin tenements as a precursor to the commencement of low impact exploration on their land. Soil and rock chip sampling at Pilgangoora demonstrated that evolved pegmatites occur on the tenements and 6 priority areas were identified for follow-up RC drilling. We will soon conduct on-country Heritage Surveys at Pilgangoora and at Labyrinth and Nawa so that drilling of these exciting targets can commence."*

## Summary of Activities Report on Woomera Mining's Key Projects

### Hard Rock Lithium Prospects

#### Pilgangoora

The Company's Pilgangoora Project lies within the Pilbara Craton, approximately 100km south east of Port Hedland and within close proximity to the following world-class lithium pegmatite projects including:

- Pilbara Minerals: Mineral Resource of 156.3 Mt @ 1.25% Li<sub>2</sub>O and 128ppm Ta<sub>2</sub>O<sub>5</sub> - ASX: PLS 25 January 2017
- Altura Mining: Resource 40.3 Mt @ 1.0% Li<sub>2</sub>O - ASX: ALS announcement 30 Jan 2017
- Wodgina Lithium Mine - Mineral Resource: Resource of 120 Mt @ 1.28% Li<sub>2</sub>O - ASX: MIN announcement 28 April 2017

The area is known as one of the world's richest hard rock pegmatite-hosted lithium provinces.

Following on from the Stage 1 reconnaissance rock chip and soil sampling program carried out in November 2018, the Company completed Stage 2 sampling between 20<sup>th</sup> February and 3<sup>rd</sup> March taking a total of 68 rock chip samples and 588 soil samples across E 45/4790 and E 45/4796.

Rock chip sampling was undertaken on numerous pegmatite mineral scatters, on pegmatite outcrops and over a 3km x 2.5 km area in central mid E 45/4790 consisting of intensely greisenised granite.

The 588 soil samples were collected on a nominal 100m x 100m and 100m x 200m grid over areas of lithium anomalism recorded in the Stage 1 program.

A total of 739 soil samples were collected during the Stage 1 and Stage 2 programs. Analytical results show:

- 322 samples greater than the weighted average value of 25.9ppm lithium
- 29 samples highly anomalous for lithium assaying above 47.4 ppm, with a peak value of 82.4ppm
- Niobium up to 125ppm
- Caesium up to 40.4ppm
- Tantalum up to 43ppm

In addition to the soil samples, a total of 96 rock samples were collected from 2 sampling programs. Analytical results show:

- 17 samples above 100ppm lithium, with a peak value of 280ppm
- Beryllium up to 1910ppm
- Niobium up to 80ppm
- Caesium up to 62.4ppm
- Tin up to 25ppm
- Tantalum up to 20.6ppm
- Phosphorous up to 2,400ppm
- Rubidium up to 1,155ppm
- Total peak values of rare earth elements up to 286ppm

The results demonstrate six areas are highly anomalous for lithium bearing pegmatites and these areas will be the focus of future RC drilling.

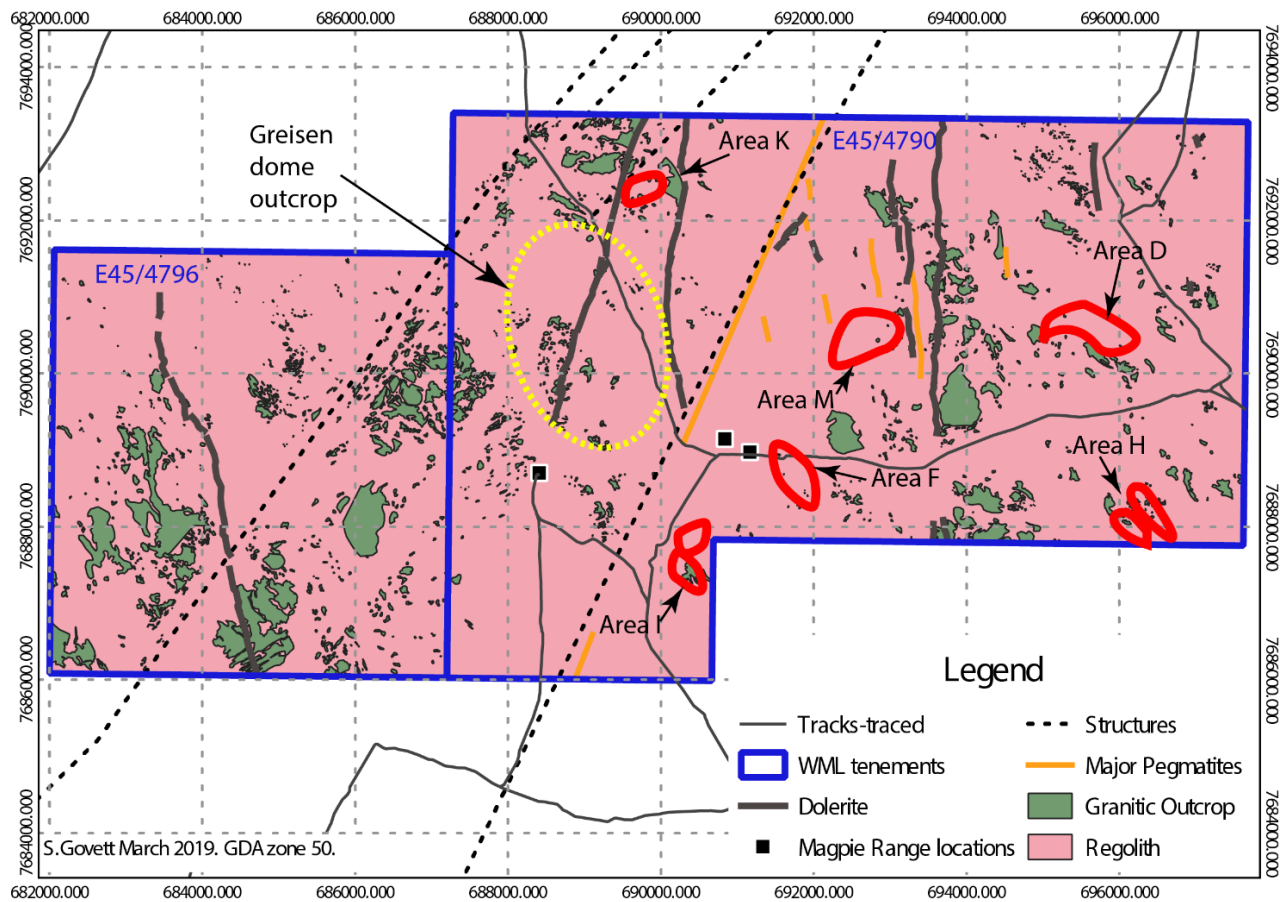


Figure 1. Surface geological map showing the six areas of anomalous lithium which will be the target of RC drilling

Area	Length (minimum) m	Width (maximum) m	Comment
D	900	80	Parallel mineralised features
F	800	60	800m long may also overlap
H	480	50	Shape maybe truncated, and differing individual pegmatites
I	300	40	Southern shape
K	500	40	Well supported by other elements, Nb, Be, and Cs
	120	30	Smaller target
	170	40	Strong overlap of anomalies
M	150	30	Smaller target
	500	60	Sub-parallel to a Cs anomaly
M	700	50	Several parallel features may cluster either side

Table 1. Priority 1 drill targets and status summary.

E 45/4790 and E 45/4796 were granted without having signed Heritage Agreements in place. Woomera has consulted with the Njama! Aboriginal Corporation as it relates to the Njama! #1 Native Title Claim and has signed the Njama! Standard Heritage Agreement and is awaiting signing by the Njama!.

Woomera will lodge a Notice of Activity with the Njama! outlining the upcoming proposed work consisting of access track construction and RC drill sites. The Notice of Activity will lead to an on-country Heritage Clearance Survey followed by RC drilling.

## Mt Cattlin Project

The Mt Cattlin Project is located along the boundary of the Ravensthorpe Terrane which forms part of the Archaean Ravensthorpe greenstone belt. The Woomera Mt Cattlin Project is prospective for lithium bearing spodumene and lepidolite mineralisation similar to that of Galaxy Resources nearby Mt Cattlin Lithium mine (Reserve of 9.9 million tonnes of ore grading 1.04% Li<sub>2</sub>O and 149 ppm Ta<sub>2</sub>O<sub>5</sub>) located central to Woomera's tenement holdings. The Galaxy Mt Cattlin mine is a spodumene-tantalite mine 2.2 kilometres north of Ravensthorpe, Western Australia.

The Company advised during the March Quarter that Exploration Licence E74/632 in the Mount Cattlin lithium province has been granted to Woomera on 12 March 2019. Granting of this tenement followed the execution of a Noongar Standard Heritage Agreement (NHSA) between Woomera and the Wagl Kaip & Southern Noongar Agreement Group.

Woomera's Mount Cattlin project now consists of three tenements covering an area of approximately 128 Km<sup>2</sup>.

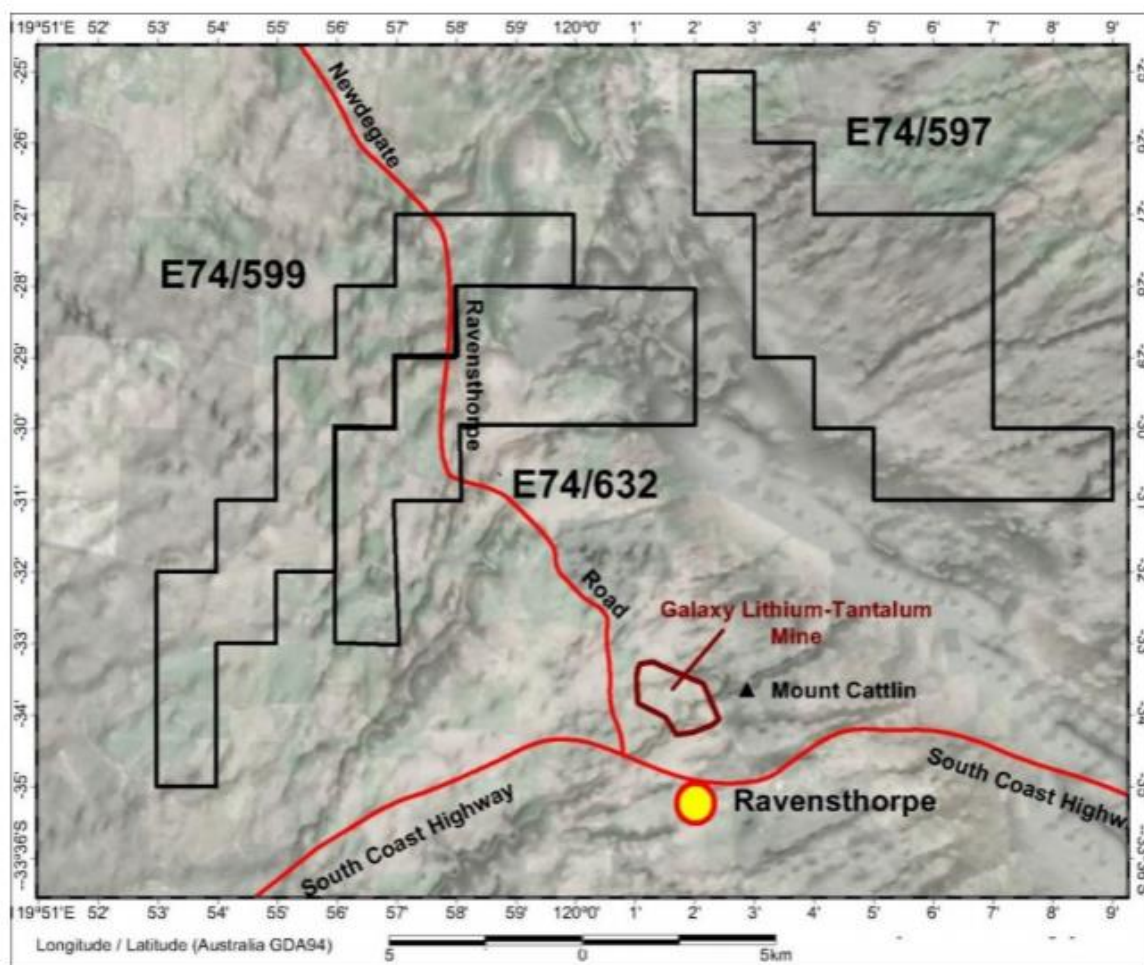


Figure 2. Project Location and residual magnetic intensity image

During the Quarter, Woomera engaged with all landowners within the Company's three tenements regarding the Company's proposed exploration activities on their land. In order to conduct exploration activities the Company will need to either enter into an Access and Compensation Agreement with each landowner and occupier or procure a section 29 Consent Form that states they agree to have the top 30m included in the tenement grant.

Each private landowner was phoned to gauge their preparedness to have Woomera conduct low impact soil sampling on their land. Responses were positive. Landowners indicated that with seeding being imminent, sampling should proceed post the 2019 harvest.

Following the letters and phone calls the Company arranged to meet landowners on their properties in early April 2019, to walk them through the proposed soil sampling program and to answer any questions that they may raise.

Woomera's exploration strategy in the Mount Cattlin area is to conduct soil sampling either via auger sampling or using hand dug samples. Sampling is anticipated to be completed in the December 2019 – April 2020 period, following the 2019 harvest

### **Musgrave Province – Alcurra-Tieyon Project**

In March the Company announced that OZ Exploration Pty Ltd (OZ) had indicated its intention to bring its participation in the Musgrave Alcurra – Tieyon Project (Musgrave Project) under the Heads of Agreement dated 11 September 2017, to an early close. The outcome of this decision will bring the Musgrave Project back to 100% control for Woomera.

The Woomera board and management are confident that the Musgrave Project, under 100% control by the Company, remains a valuable and highly prospective asset for the Company.

Woomera will press forward with exploration plans on targets within the Musgrave Project.

During the Quarter, Woomera announced that it had received confirmation from the South Australian Department of Energy and Mining (DEM) regarding Woomera's applications to regain tenure over lapsed ground.

DEM has advised that replacement exploration licences will be granted to Woomera once the applications have progressed through standard procedures. Woomera expects to receive the instruments of licence within the next few days.

Woomera will proceed with the completion of the suspended drilling program (ASX: WML 27 November 2018), as soon as possible after the replacement exploration licences (ELs) are granted.

### **Tenement Status**

The Company's key assets include 21 tenements and tenement applications covering 6,576 km<sup>2</sup> in the Gawler Craton and Musgrave Province in South Australia, as well as Pilbara and South East Yilgarn areas in Western Australia.

The current status of the Company's tenement holding is set out below.

#### **South Australian Granted Tenements**

<b>Tenement Name</b>	<b>Number</b>	<b>Location</b>	<b>Area (km<sup>2</sup>)</b>	<b>Expiry/next renewal date</b>	<b>Holder</b>
Mount Irwin	EL 6180	Musgrave Province	503	24 June 2019	Norsa
Tieyon Station	EL 6090	Musgrave Province	938	11 January 2021	WEX
Whymllet	EL 6134	Gawler Craton	266	28 November 2020	WEX

Tallaringa	EL 6246	Gawler Craton	437	29 November 2020	WEX
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### South Australian Applications for New Tenements

Tenement Name	Number	Location	Area (km <sup>2</sup> )	Status	Notes
Great Central Desert	ELA 2012/00119	Gawler Craton	929	Application	Application by Norsa.
Great Victorian Desert	ELA 2012/00120	Gawler Craton	848	Application	Application by Norsa.
Sundown Station	ELA 2019/00009	Musgrave Province	768	Application	Application by WEX
Mt Howe	ELA 2019/00010	Musgrave Province	854	Application	Application by WEX
Mt Carulinia	ELA 2019/00011	Gawler Craton	401	Application	Application by WEX

### Western Australian Granted Tenements\*

Tenement Name	Number	Location	Area (km <sup>2</sup> )	Status	Expiry Date	Notes
Magpie Range Pilgangoora	E45/4790	Central Pilbara	64	Granted	6 June 2022	Volt Lithium
Peak Charles Salt Lake	E74/596	SE Yilgarn	92	Granted	3 May 2022	Volt Lithium
Mt Cattlin East	E74/597	Ravensthorpe	56	Granted	3 January 2022	Volt Lithium
Lake Dundas	E63/1804	Norseman	57	Granted	30 April 2022	Liquid Lithium
Lake Sharpe	E74/598	SE Yilgarn	60	Granted	27 April 2022	Liquid Lithium
Mt. Cattlin East West	E74/599	Ravensthorpe	40	Granted	17 January 2022	Liquid Lithium
Magpie Range West	E45/4796	Central Pilbara	29	Granted	4 July 2022	Liquid Lithium
Lake Cowan	E15/1532	Norseman	3	Granted	4 May 2022	Liquid Lithium
Mt Cattlin	E74/632	Ravensthorpe	37	Granted	12 March 2024	WML

\*WML tenements held by Volt Lithium Pty Ltd and Liquid Lithium Pty Ltd, wholly owned subsidiaries of WML

## Western Australian Applications for New Tenements

Tenement Name	Number	Location	Area (km <sup>2</sup> )	Status	Notes
Turner Siding Pilgangoora	E45/4789	Central Pilbara	57	Application	Volt Lithium
Dumbleyung Salt Lake	E70/4870	SE Yilgarn	86	Application	Volt Lithium
Binneringie	E15/1652	SE Yilgarn/Norseman	51	Application	Woomera Mining Ltd

### June Quarter Exploration Plan

Exploration Plan for the three months ending 30 June 2019:

#### Pilgangoora

- The Native Title representative bodies for the Pilgangoora Project are the Njamal Aboriginal Corporation (E 45/4790 and E 45/4796) and the Kariyarra People (E 45/4789).
- E 45/4790 and E 45/4796 lie within a structurally controlled corridor of monzogranite of the Carlindie Granitoid Complex. Whilst E 45/4790 and E 45/4796 are granted tenements they were granted without Heritage Agreements in place. Woomera signed a Njamal Standard Heritage Agreement and forwarded it to the Njamal for counter signing.
- The infill soil sampling and rock chip sampling conducted in February-March 2019 defined 6 priority areas for drilling. Woomera will lodge a Notice of Activity with the Njamal and arrange to complete an on-country Heritage Clearance in advance of RC drilling.

#### Musgrave Alcurra-Tieyon Project

- On grant of ERA 1015 and ERA 1016, Woomera will amend the NTMA to reflect the new tenement designations and drill the outstanding EM conductors identified from the MLEM survey.

#### Labyrinth Project

- EL 6134 which hosts the Labyrinth Project is located within the Woomera Prohibited Area and is subject to a co-existence model between the Department of Defence and non-Defence (including the resource sector). EL 6134 is located within the "Infrequent Defence Use" exclusion zone (Green Zone) in which new non-Defence users will have a presumption of access; however, they can be excluded for up to 56 days a year.
- Woomera will notify the Department of Defence as required under the conditions of WEX's Resource Exploration Permit (granted for a 7-year term expiring March 2022) of its intent to undertake on-country Cultural Heritage Surveys at both the Labyrinth and Nawa Projects as a precursor to drilling.

#### Nawa Project

- The immediate area of interest at Nawa is covered within the Antakirinja Matu-Yankunytjatjara Native Title Claim. A Cultural Heritage Survey will be conducted in conjunction with the Labyrinth survey.

#### Mt Cattlin Project

- WML's tenure lies close to Galaxy's Mt Cattlin Spodumene Mine containing a Resource of 16Mt @ 1.08% Li<sub>2</sub>O and 5.2 Mlbs Ta<sub>2</sub>O<sub>3</sub> (ASX: GXY 2 June 2017).

- E 74/599 and E 74/6032 occur on predominantly freehold farmland where the top 30 metres from the surface of the land affected by private property has been excluded from the area granted. There are also two significant private landholdings on E 74/597.
- Following the letters and phone calls made during the March Quarter, the Company will meet landowners on their properties in early April 2019, to walk them through the proposed soil sampling program and to answer any questions that they may raise.
- Signed section 29 Consents will be forwarded to DMIRS along with a Programme of Work (POW) which is required prior to commencing ground disturbing activities which will commence after the 2019 crop has been harvested.

### **Binneringie**

- WML has one granted tenement (E 15/1532) and one tenement application (E 15/1652) in close proximity to the Bald Hill lithium-tantalum mine. The Company has endeavored to negotiate with the Ngadju Native Title Aboriginal Corporation aiming to enter into a NTMA so that field work can commence. Progress has been slow but the Company will continue the liaison so that an agreement might be reached.

### **COMPETENT PERSONS STATEMENT**

*The exploration results reported herein, insofar as they relate to mineralisation, are based on information compiled by Mr Gerard Anderson, Managing Director of Woomera Mining Limited. Mr Anderson is a Member of the Australasian Institute of Mining and Metallurgy who has over forty-two years of experience in the field of activity being reported. Mr Anderson has sufficient experience which is relevant to the styles of mineralisation and types of deposit under consideration and to the activity that he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' relating to the reporting of Exploration Results. Mr Anderson consents to the inclusion in the report of matters based on his information in the form and context in which it appears.*

### **Contact**

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### **About Woomera Mining Limited**

Woomera Mining Limited (Woomera) is an ASX listed exploration company based in Adelaide, South Australia with an extensive minerals tenement portfolio prospective for Copper, Lithium, Gold, Uranium, Iron Ore, Nickel and Cobalt. The Woomera tenement package includes tenements in the Musgrave Province of South Australia (**Musgrave Alcurra-Tieyon Project**). The Company also has tenements in the Gawler Craton which are considered prospective for IOCGU deposits, Cu-Ni-Co deposits, RE and Precious Metals. Woomera's tenement portfolio also includes 9 granted tenements and 3 tenement applications in Western Australia including 2 tenements and 1 tenement application in the Pilbara region of WA (**Pilgangoora Lithium Project**), 3 lithium tenements near Ravensthorpe (**Mt Cattlin Lithium Project**), 1 lithium tenement and 1 tenement application at Binneringie near Lake Cowan and several WA lithium brine prospects over Lakes Tay, Sharpe, Dundas and Dumbleyung (**Lakes Lithium Projects**).