

21 APRIL 2021

MARCH 2021 QUARTERLY ACTIVITIES REPORT.

HIGHLIGHTS

- Challa soil sampling programs completed. Drilling planned once final assay results received
- Munni Munni Supreme Court of Western Australia trial finalised
- Conditional acquisition of Xanadu gold project in Western Australia
- Sale of Major shares realizes \$2.74 million net cash proceeds, subsequent to end of quarter

Challa Gold Project, Western Australia

The Challa Gold Project located in-between the prolific Mt Magnet and Sandstone gold districts in Western Australia, 500km north-east of Perth.

Challa includes two exploration licences (granted in July 2020) covering 293km². The Sandstone province has produced over 1.3 million ounces of gold from numerous underground and open pit mining operations, while Mt Magnet produced over 6 million ounces since discovery in 1891. Nearby, the Youanmi Gold Mine produced 670,000 ounces of gold throughout its life and is currently the focus of new resource drilling targeting high-grade gold zones.

Platina advanced its reconnaissance and soil sampling programs at Challa during the quarter. Shallow transported sands and silts cover much of the project areas and the soil sampling technique is being tested as a methodology for identifying gold anomalies over potential gold systems at depth.

Since the commencement of exploration activities in November 2020, more than 1,880 soil samples have now been completed. The final soil program was completed in mid-April. Once the assay results are received a maiden rotary-air-blast (RAB) drilling program will be implemented to target a number of prospects generated by the soil sampling programs.

Xanadu Gold Project, Western Australia

The Xanadu Gold Project located in the Ashburton Basin in Western Australia in close proximity to the Mt Olympus gold deposit which contains 1.65Mozs.

Subsequent to the end of the quarter, Platina announced it intends to expand its gold presence in Western Australia after signing a conditional term sheet to acquire the Xanadu Gold Project (Xanadu), located in the Ashburton province in close proximity to the multi-million ounce Mt Olympus gold deposit explored by ASX-listed Kalamazoo Resources Limited (ASX: KZR) (see www.kzr.com.au).

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Xanadu comprises seven prospecting licences and five exploration licences covering 498km². Logistics and operations are expected to be low cost with access to the project from the regional mining centre of Paraburdoo 38km to the north.

Xanadu has immense appeal given the number and width of economic grade gold drill intercepts which have never been followed up with a systematic exploration campaign. The project has been the subject of a number of mainly shallow drilling programs and a historical gold heap leach operation. Platina's planned exploration strategy will initially comprise low-cost geophysics and geochemistry to build a deeper knowledge of the geological potential of the project and to define both shallow and deeper targets for drilling."

The Xanadu Project secured a large alteration system hosted within sediments and carbonates prospective for intrusion related gold mineralisation such as the Telfer Gold Mine (Newcrest) and the Hemi discovery (De Grey Mining) and also displays strong similarities to the Carlin gold deposits in Nevada, USA.

Platina believes there is significant potential to expand upon the known oxide mineralisation and the longer-term attraction is targeting primary mineralisation within the alteration core of the system which has never been tested by historical drill programs.

Platina believes the project offers significant upside due to:

- ✓ A favourable regional scale structural setting, with the multi-million ounce Mt Olympus gold deposit situated 7km to the east;
- ✓ Widespread gold mineralisation identified within a large and intense hydrothermal alteration system which extends for over 10km in strike extent;
- ✓ The host lithology, the Duck Creek Dolomite, is a highly reactive rock and favourable host to the target intrusion related and Carlin styles of gold mineralisation; and
- ✓ Immediate targets from surface and at depth within the interpreted east plunging alteration system.

Platina Scandium Project, New South Wales

The Platina Scandium Project (PSP) located in central New South Wales is one of the largest and highest-grade scandium deposits in the world. It has the potential to become Australia's first scandium producer with cobalt and nickel credits. A Definitive Feasibility Study was completed in December 2018.

Platina's prime objective is to secure production offtake agreements, which will enable project financing options to be pursued for construction funding. The company is actively working on a scandium off-take marketing program, which is targeting potential customers in the USA, Europe, Asia and Australia. Platina is continuing to work with Traxys Europe S.A to assess scandium product and market development, and potential project funding options.

The independent scandium market study previously produced for the 2018 Definitive Feasibility Study is now being updated to assess new market opportunities and identify new industry players potentially interested in offtake and investment.

The DFS, completed in late 2018, demonstrated the technical and economic viability of constructing the project. The positive DFS demonstrated the opportunity to create substantial long-term sustainable shareholder value at a manageable capital cost (see Table 1).



Stage 1 Annual Production		20 tonnes
Stage 2 Annual Production (from Year 5)		40 tonnes
Life-of-mine for financial model		30 years
Net Present Value (8%), real, after-tax	US\$166 million	AU\$234 million
Internal Rate of Return, post-tax		29%
Payback Period (undiscounted)		5.3 years
Stage 1 Capital Expenditure	US\$48.1 million	AU\$67.8 million
Stage 2 Capital Expenditure	US\$11.1 million	AU\$15.6 million
Total Life-of-Project Capital Expenditure*	US\$104.1 million	AU\$146.5 million
Life-of-Mine Average Cash Operating Costs#	US\$525/kg	AU\$739/kg
Life-of-Mine Scandium Oxide Price	US\$1,550/kg	AU\$2,183/kg
USD to AUD Exchange Rate		0.71

Table 1: Summary Economics from the 2018 Definitive Feasibility Study[^] *Includes sustaining capital costs. #Mining, processing, general and administration costs. Excludes royalties. [^] Value outcomes subject to securing offtake agreements and financing for construction

Munni Munni Platinum Group Metals & Gold Project, Western Australia

Situated in the Pilbara region of Western Australia, Munni Munni is one of Australia's most significant platinum group metal and gold occurrences. Platina holds a 30% interest in the Munni Munni project in a joint venture with Artemis Resources Ltd (Artemis) who is the Operator.

During the quarter, Platina updated the market regarding proceedings against Artemis Resources Limited (Artemis) and its subsidiaries Karratha Metals Pty Ltd (Karratha) and Munni Munni Pty Ltd (MMPL) in the Supreme Court of Western Australia (CIV 1774 of 2020) (Proceedings).

Platina brought the Proceedings as it considered that:

1. Artemis and MMPL were unable to proceed with contractual arrangements they had entered into with UK, AIM listed company Empire Metals Limited (Proposed Transaction) as MMPL was not a party to a Heads of Agreement entered into between Platina, Karratha and Artemis dated 4 August 2015 (Heads of Agreement); &
2. each of Artemis, Karratha and MMPL had breached the terms of the Heads of Agreement by reason of the Proposed Transaction.

Platina is pleased to announce that the Court delivered its judgment in the Proceedings on 23 February 2021 and, whilst it was unable to find that there had been a breach of the Heads of Agreement, it accepted Platina's application for declaratory relief, declaring that:

1. MMPL is not a party to the Heads of Agreement, or the Joint Venture Agreement established by and under the Heads of Agreement; and
2. the parties to the Joint Venture remain Platina and Karratha.

Additionally, the Court has ordered that Artemis, Karratha and MMPL pay 70 per cent of Platina's costs of the Proceedings from 26 October 2020 onwards.



There were no field exploration activities at Munni Munni during the quarter. A drilling program is being planned for the June quarter 2021.

Mt Narryer, Western Australia

Exploration licence (E 09/2423) at Mt Narryer South, 580km north of Perth, is yet to be granted by the Western Australian Mines Department. Once granted, a soil sampling program is planned.

Corporate Activities

Subsequent to the end of the quarter, Platina sold 6 million Major Precious Metal shares (CSE: SIZE) for \$2.74 million. Platina retains 49 million shares worth C\$23 million.

Platina's other investments include 6 million shares in Nelson Resources Limited (ASX: NES) and 6 million shares in TSXV listed Blue Moon Zinc (TSXV: MOON).

At the end of the quarter, Platina is holding \$3.44 million in cash (including Major share sale of \$2.74 million) and investments totalling \$25.7 million.

ASX Additional Information

1. ASX Listing Rule 5.3.1: Exploration and Evaluation Expenditure (excluding staff costs) during the Quarter was \$122,000. Full details of exploration activity during the Quarter are set out in this report.
2. ASX Listing Rule 5.3.2: There were no substantive mining production and development activities during the Quarter.
3. ASX Listing Rule 5.3.5: A total of \$102,000 was paid to related parties during the quarter comprising the Managing Director's salary and Non-Executive Director fees.

This announcement was authorised by Mr Corey Nolan, Managing Director of Platina Resources Limited.

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ABOUT PLATINA RESOURCES

Platina is an Australian-based company focused on returning shareholder value by advancing early-stage metals projects through exploration, feasibility, permitting and into development.

The company has interests in the following projects:

- Challa Gold Project (100% interest) – Platina has acquired a 100% interest in the Challa Gold Project located in-between the prolific Mt Magnet and Sandstone gold districts in Western Australia, 500km north-east of Perth.
- Platina Scandium Project (100%) – located in central New South Wales, the project is one of the largest and highest-grade scandium deposits in the world, which has the potential to become Australia’s first scandium producer with cobalt, platinum and nickel credits.
- Munni Munni (30% interest) – Situated in the Pilbara region of Western Australia, the project is one of Australia’s most significant Platinum Group Metal occurrences. Munni Munni also has potential for conglomerate hosted gold and is a joint venture with Artemis Resources Limited.
- Investment in Blue Moon Zinc Corporation (6 million shares in TSXV listed MOON) – the Blue Moon Zinc Project has a NI43-101 resource which is open at depth and along strike and has favorable metallurgy.
- Investment in Major Precious Metals (49 million shares in CSE listed SIZE) – Major is a Canadian junior mining and exploration company whose flagship Skaergaard Project hosts one of the world’s largest undeveloped gold deposits and one of the largest palladium resources outside of South Africa and Russia.

For more information please see: www.platinaresources.com.au

References to previous ASX Releases

The information in this report that relates to Exploration Results were last reported by the company in compliance with the 2012 Edition of the JORC Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves in market releases dated as follows:

- Platina acquires gold project in prolific gold province, 11 June 2020
- Platina expanding presence in WA Goldfields, 23 July 2020
- Platina builds gold presence in Western Australia, 13 April 2021
- Platina moves closer to maiden drilling program at the Challa Gold Project, 31 March 2021
- Platina Scandium Project - Positive Definitive Feasibility Study, 13 December 2018; and
- Platina Scandium Project Ore Reserve, 13 December 2018.

The company confirms that it is not aware of any new information or data that materially affects the information included in the market announcements referred above and further confirms that all material assumptions underpinning the exploration results contained in those market releases continue to apply and have not materially changed.



Disclosures required under ASX Listing Rule 5.3.3

1. Mining tenements held at the end of the quarter and their location

Tenement ID	Area	Location	Ownership	% Ownership
EL58/552	Challa	WA, Australia	PGM	100
EL58/553	Challa	WA, Australia	PGM	100
E09/2423	Mt Narryer South	WA, Australia	PGM	Not granted
M47/123	Munni Munni	WA, Australia	PGM	30*
M47/124	Munni Munni	WA, Australia	PGM	30*
M47/125	Munni Munni	WA, Australia	PGM	30*
M47/126	Munni Munni	WA, Australia	PGM	30*
E47/3322	Munni Munni	WA, Australia	PGM	30*
EL7644	Owendale	NSW, Australia	PGM	100

*See note 3 below

2. Mining tenements acquired and disposed of during the quarter and their location

NIL

3. Beneficial percentage interests held in farm-in or farm-out agreements at end of the quarter and beneficial percentage interests in farm-in or farm-out agreements acquired or disposed of during the quarter

In August 2015, Platina entered into an agreement with Artemis under which Artemis could earn a 70% interest in the Munni Munni Platinum Group Elements Project, comprising M47/123, 124, 125, 126 and E47/3322 (the "Munni Munni Project") by expending \$750,000 over a 3-year period. In August 2018, the Company announced that Artemis satisfied the conditions required to acquire a 70% interest and formal documentation formalising the joint venture is currently being finalised.

The company is not party to any other farm-in or farm-out agreements.