

27 August 2021

## Xanadu geophysical program commences

**Platina Resources Limited (ASX: PGM)** is pleased to report it has commenced an Induced Polarisation (IP) geophysics program at its 100%-owned Xanadu Gold Project in Western Australia's Ashburton province.

The geophysical IP survey is planned to cover a 7km target zone, identified as a high priority target during recent geological mapping. The survey area, located in the north-west of the tenement package (see Figures 1 and 2), covers a series of gold occurrences hosted within the Duck Creek Dolomite where it is affected by the Nanjilgardy fault zone and its splays.

The planned program, anticipated to take between three to four weeks to complete, comprises an initial dipole-dipole IP orientation around the historic Amphitheatre open pit to assess its geophysical response at depth, followed by a more comprehensive gradient array program over the 7km target zone.

Platina Managing Director Corey Nolan said the company's strong geological data set would be enhanced with the new geophysical data and ensure exploration and drill programs were highly targeted and cost effective.

"With the recent completion of geological mapping and our reprocessing of historic airborne magnetics data, we are assembling a solid understanding of structures and host rocks. Importantly, the planned geophysical surveying will help to directly detect the target gold and sulphide mineralisation at depth for drill testing," Mr Nolan said.

"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 – see Table 1" Mr Nolan said.

Hole_ID	From	Intercept (g/t Au)	East	North	Dip	Azi	EOH	Prospect	Drill Type
PNS47	28-30m	2m @ 22.6g/t Au	584999	7406888	-60	360	67.5m	Caesar	Percussion
WDNS7	16-21m	5m @ 8.71g/t Au	581305	7408478	-60	360	29.6m	Claudius	Diamond core
WDNS9	26-27m	1m @ 70.00g/t Au	584983	7406871	-53	360	250m	Caesar	Diamond core
PNS359	102-104m	12m @ 5.05g/t Au	584219	7407130	-90	n/a	114m	Amphitheatre	Percussion
PNS414	18-20m	2m @ 18.30g/t Au	585001	7406896	-60	029	55m	Caesar	Percussion
PNS496	6-16m	10m @ 4.26g/t Au	581357	7408570	-60	029	43m	Claudius	Percussion
PNS475	40-48m	8m @ 5.06g/t Au	584324	7407189	-60	209	51m	Claudius	Percussion
CS028	16m-36m	20m @ 2.25g/t Au	585017	7406904	-90	n/a	40m	Caesar	RC
CS044	20m-30m	10m @ 2.44g/t Au	584976	7406870	-90	n/a	40m	Caesar	RC
CS070	29m-30m	1m @ 31.50g/t Au	584982	7407004	-90	n/a	40m	Caesar	RC
XRC016	0-56m	56m @ 0.94g/t Au	581395	7408533	-90	n/a	93m	Claudius	RC
including	17-28m	11m @ 5.32g/t Au							
XRC017	12-20m	8m @ 3.1g/t Au	581214	7408550	-90	n/a	100m	Claudius	RC
XRC057	75-88m	13m @ 4.08g/t Au	586251	7406378	-60	028	204m	Claudius	RC

**Table 1** Selected Historic Drill Hole Intercepts are above 20 g/t Au x metres in total using a 0.5g/t Au lower cut and 2m internal dilution. Co-ordinates are MGA z50 (GDA94)

## Going for gold.

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

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**XANADU GOLD PROJECT OVERVIEW**

Xanadu is located in the Ashburton province approximately 40km south of Paraburdoo and in close proximity to the multi-million ounce Mt Olympus gold deposit explored by ASX-listed Kalamazoo Resources Limited.

Platina controls a ground position of 562km<sup>2</sup> with contiguous coverage along a 60km strike length of the Nanjilgardy fault and its splays and the Duck Creek Dolomite stratigraphy which is host to gold mineralisation within the project area.

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.

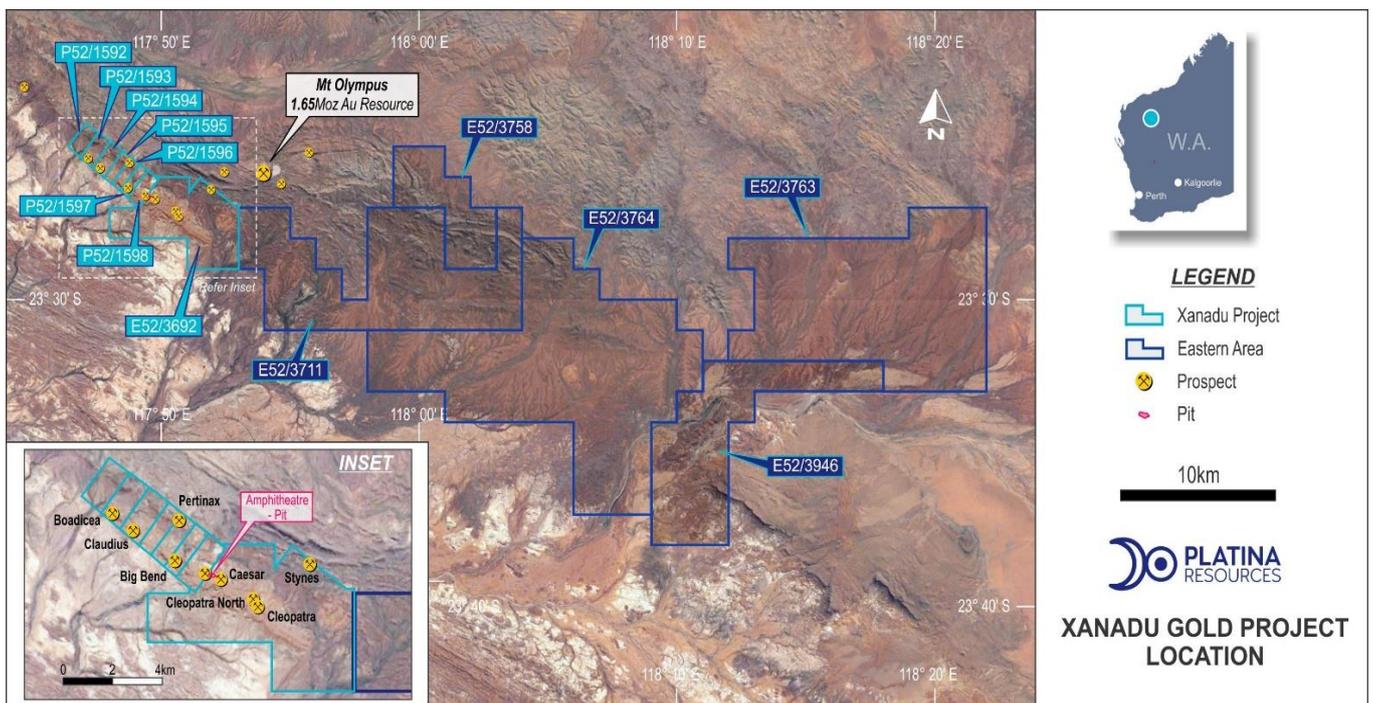


Figure 1: Xanadu location and tenure summary

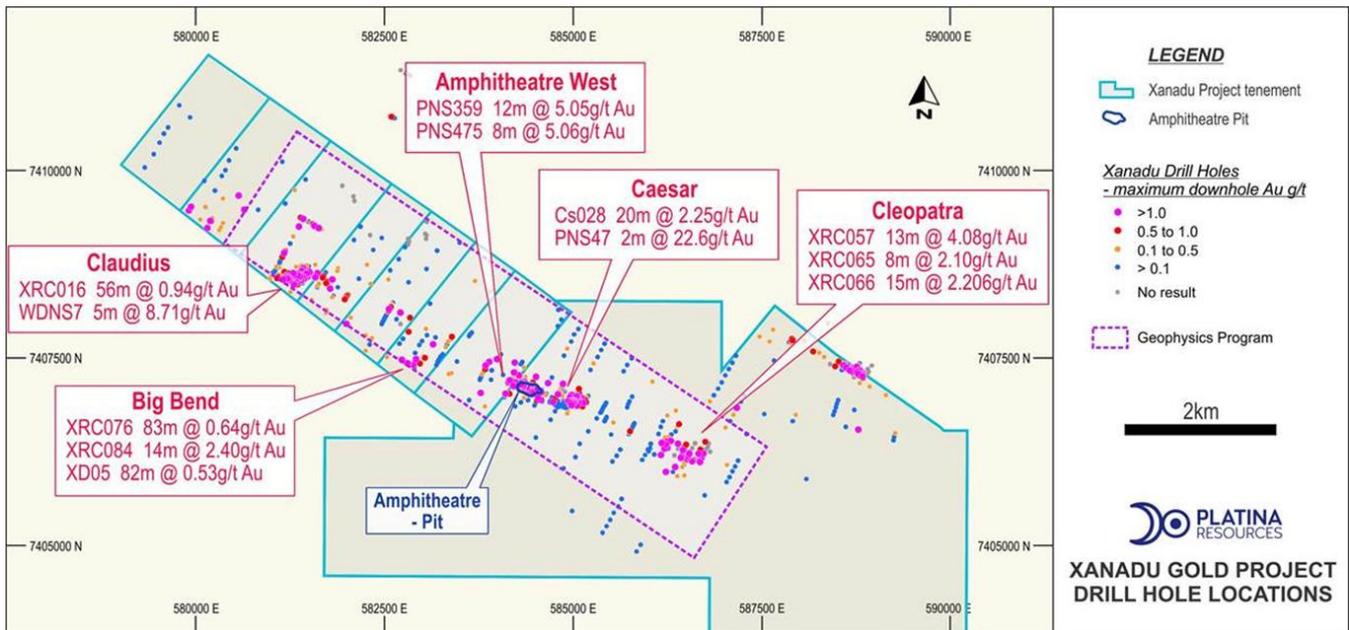


Figure 2: Location of the geophysics program and historical drilling intersections

## 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:

- Xanadu Gold Project (100% interest) – located in the Ashburton Basin in Western Australia in close proximity to the Mt Olympus gold project;
- Challa Gold Project (100% interest) – 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.platinareources.com.au](http://www.platinareources.com.au)

## DISCLAIMER

Statements regarding Platina Resources’ plans with respect to its mineral properties are forward-looking statements. There can be no assurance that Platina Resources’ plans for development of its mineral properties will proceed as currently expected. There can also be no assurance that Platina Resources will be able to confirm the presence of additional mineral deposits, that any mineralisation will prove to be economic or that a mine will successfully be developed on any of Platina Resources’ mineral properties.



## 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 builds gold presence in Western Australia, 13th April 2021

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.