

Sandstone Gold Project, Western Australia

# Maiden RC drilling program underway at the historic high-grade Oroya Mine

## Drilling targeting extensions of known high-grade gold mineralisation

### Highlights

- Alto is pleased to announce that its planned 2,000m maiden RC drilling program at the historic high-grade Oroya Mine is underway and is the **first time Oroya has had any drilling in over 15 years**.
- Drilling is targeting extensions of the Sandstone reef mineralisation to the north-west beyond the north end of the pit, along with extensions to the south and down dip to the west, **which have not been adequately tested**.
- Historical results highlight **significant high-grade mineralisation remains** below the shallow-mined Oroya pit (60m depth) and along strike and down dip of the underground workings of the main reef, including:
  - **23m @ 6.2 g/t gold** from 87m, incl. **2m @ 55.9 g/t gold** from 89m (NT5020R) - NW Extension
  - **8m @ 17.9 g/t gold** from 69m, incl. **1m @ 137.0 g/t gold** from 73m (NT5026R) - Main Reef
  - **9m @ 14.6 g/t gold** from 42m, incl. **1m @ 120.0 g/t gold** from 42m (MSGC1312) - Juno/Main Reef
  - **6m @ 8.3 g/t gold** from 49m, incl. **2m @ 23.2 g/t gold** from 51m (MSGC0886) - Main Reef
  - **13m @ 3.1 g/t gold** from 22m, incl. **2m @ 11.9 g/t gold** from 28m (MSGC0933) - Juno
  - **8m @ 10.1 g/t gold** from 44m, incl. **1m @ 50 g/t gold** from 47m (MSGC1136) - Oroya West
- The Oroya Mine produced **220,000oz at 16.5 g/t gold** from underground mining between 1904-1920 and a further **~25,000oz at 2.3 g/t gold** from open pit mining from 1994-1995.



Figure 1: RC drilling on the western side of the historic high-grade Oroya gold mine, Sandstone Gold Project, WA.

### Alto Metals Limited

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Issued Shares: 571m  
Share Price: \$0.07  
Market Capitalisation: \$40m



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ASX: AME

### Highlights (cont.)

- Targeting review of historic Hacks mine and near mine targeting is ongoing, as part of Alto's regional targeting review.
- **Assays remain pending** from further resource and extensional drilling at Indomitable.
- An **update to the current open-pit 635,000oz @ 1.6 g/t gold resource** is planned for March quarter, incorporating over 47,000 metres of new drilling.

#### **Alto's Managing Director, Matthew Bowles said:**

*We are excited to be testing numerous targets at the Oroya Mine, which historically produced 220,000oz at 16.5 g/t gold from underground to a depth of only 140 metres below surface and is the first time this 'long forgotten mine' has had any drilling in over 15 years*

*Drilling is designed to test both plunge and strike extensions high-grade gold mineralisation of the Sandstone Reef, along with the unmined Juno reef to the west.*

*Whilst our focus remains on growing our current 635,000 ounce shallow gold resource, Oroya is an outstanding high-grade gold target, that demonstrates the quality of prospects in our project pipeline and is an exciting opportunity for Alto shareholders.*

### **Maiden RC drilling program underway at the historic high-grade Oroya Mine**

**Alto Metals Limited** (ASX: AME) (Alto or the Company) is pleased to report that following a targeting review of both the historic Hacks and Oroya gold mines, within the Company's 100% owned Sandstone Gold Project, which identified a number of priority targets (ASX Announcement 10 October 2022), a planned ~2,000 metre maiden RC drilling program is now underway at the historic high-grade Oroya gold mine.

The Company considers there is potential for significant mineralised material to remain due to historical mining activities at Oroya focusing only on bonanza style mineralisation within the reefs (and later open-pit mining at a gold price of US\$380/oz) leaving surrounding mineralisation unmined; as highlighted by the historical results drilled post mining.

This initial drill program is the first RC drilling at Oroya in over 15 years and is targeting extensions of the Sandstone reef mineralisation to the north-west beyond the north end of the pit, along with extensions to the south and down dip to the west, which have not been adequately tested.

The lack of recent exploration and numerous historic high-grade drill results at Oroya, provides an exciting opportunity for Alto to re-explore this 'long forgotten mine' and fits with the Company's strategy of continuing to focus on growing its existing resource base within the Alpha Domain, while progressing regional prospects.

#### **Key points related to the outcome of the initial Oroya review:**

- **It is the Company's view that there is significant potential to extend the known mineralisation along strike further to the North and North-West.**
- **The Oroya open pit was last mined by Herald from 1994-1995, when the gold price was ~US\$384/oz, significant mineralisation remains both immediately below the shallow open pit (mined to 60m depth), west of the pit and the unmined Juno Lode.**
- **The Company considers it likely that there is considerable potential to define additional shallow resources at Oroya based on the remnant high-grade mineralisation, which remains open, and based on the current gold price.**

Refer to ASX announcement "Multiple high-grade near mine gold targets identified at Hacks & Oroya" 10 October, 2022 for further details

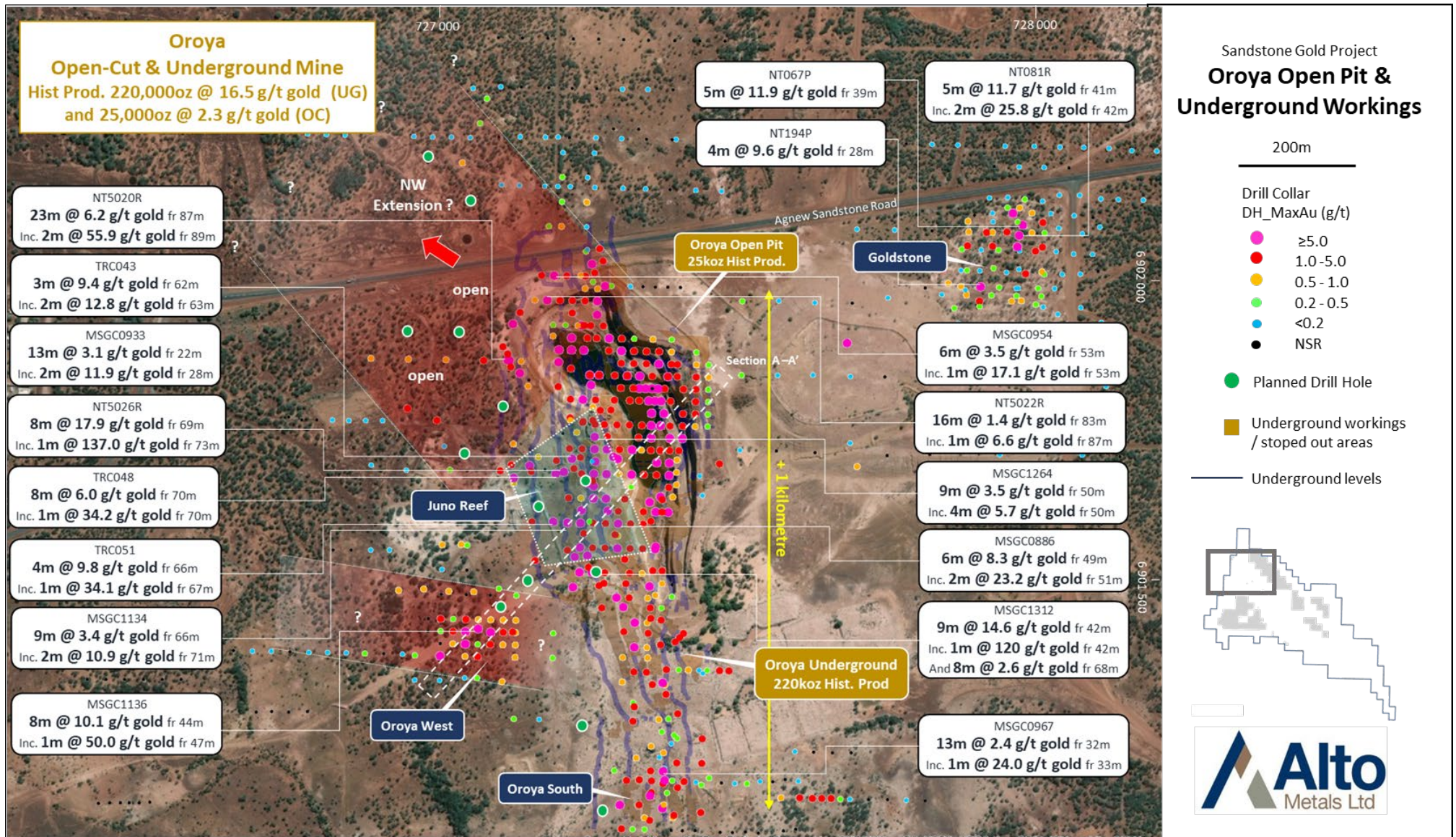


Figure 2. Plan view of Oroya open pit and underground workings, showing stopped and unmined areas and significant historical results and planned drilling.



**Figure 3. Oroya Black Range Mine in operation in 1907.**

For further information regarding Alto and its 100% owned Sandstone Gold Project, please visit the ASX platform (ASX: AME) or the Company's website at [www.altometals.com.au](http://www.altometals.com.au).

This announcement has been authorised by the Managing Director of Alto Metals Limited on behalf of the Board.

**Matthew Bowles**  
Managing Director & CEO  
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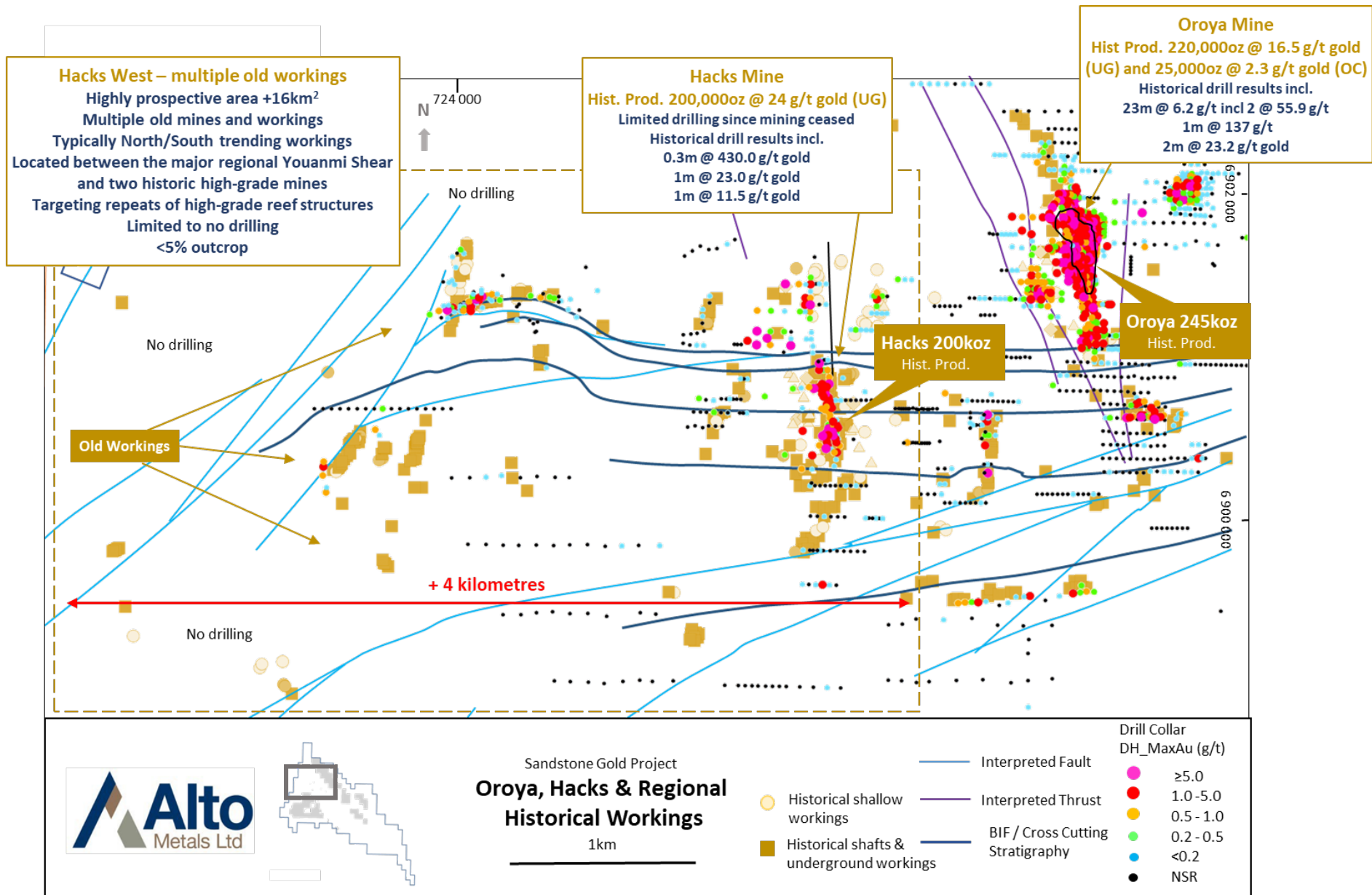


Figure 4: Location of the Oroya, Hacks and Hacks West prospects within the Sandstone Gold Project, Western Australia

### Competent Persons Statement

The information in this Report that relates to current and historical Exploration Results is based on information compiled by Mr Michael Kammermann, who is an employee and shareholder of Alto Metals Ltd, and he is also entitled to participate in Alto's Employee Incentive Scheme. Mr Kammermann is a Member of the Australian Institute of Geoscientists and has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person 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. Mr Kammermann consents to the inclusion in the report of the matters based on the information in the context in which it appears.

### Forward-Looking Statements

This release may include forward-looking statements. Forward-looking statements may generally be identified by the use of forward-looking verbs such as expects, anticipates, believes, plans, projects, intends, estimates, envisages, potential, possible, strategy, goals, objectives, or variations thereof or stating that certain actions, events or results may, could, would, might or will be taken, occur or be achieved, or the negative of any of these terms and similar expressions. which are only predictions and are subject to risks, uncertainties and assumptions which are outside the control of Alto Metals Limited. Actual values, results or events may be materially different to those expressed or implied in this release. Given these uncertainties, recipients are cautioned not to place reliance on forward-looking statements. Any forward-looking statements in this release speak only at the date of issue. Subject to any continuing obligations under applicable law and the ASX Listing Rules, Alto Metals Limited does not undertake any obligation to update or revise any information or any of the forward-looking statements in this release or any changes in events, conditions or circumstances on which any such forward-looking statement is based.

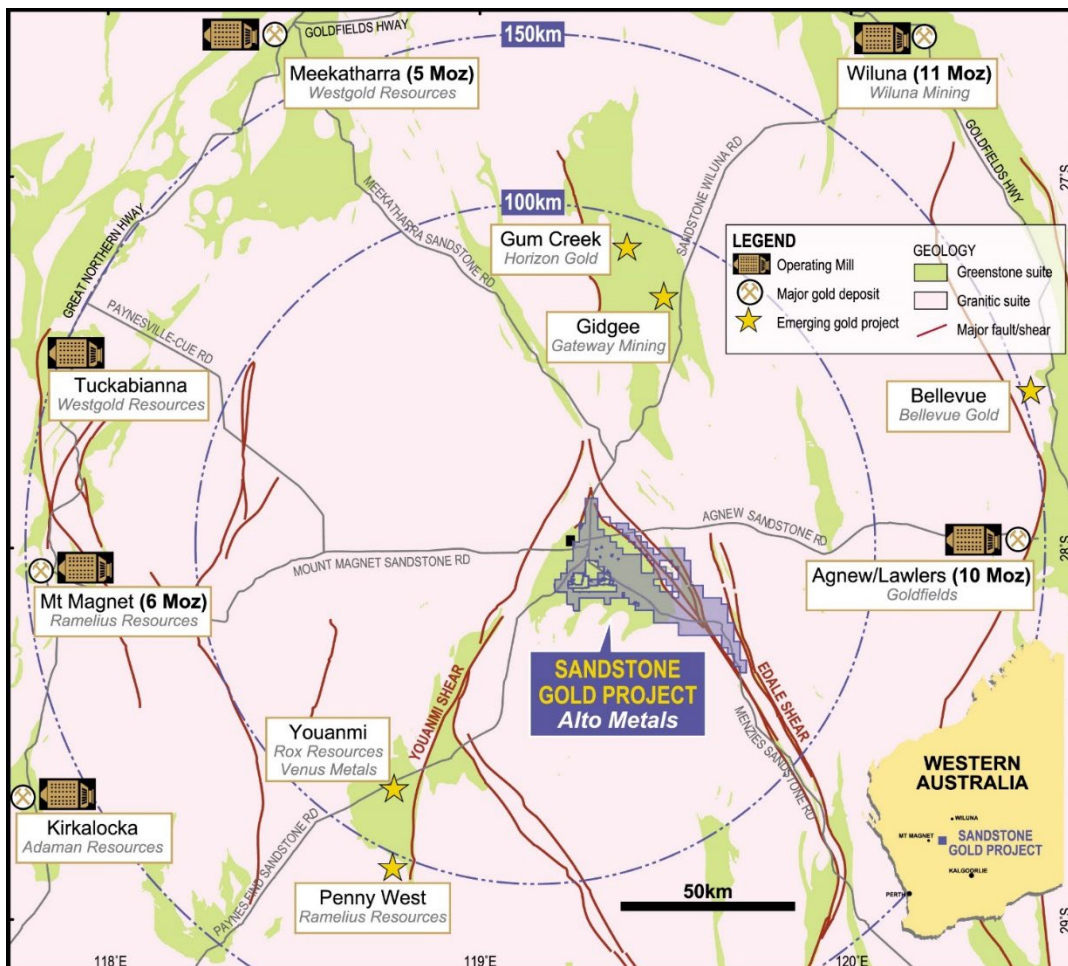


Figure 5. Location of Sandstone Gold Project within the East Murchison Gold Field, WA

## Exploration Results

The references in this announcement to Exploration Results for the Sandstone Gold Project were reported in accordance with Listing Rule 5.7 in the announcements titled:

*Multiple high-grade near mine gold targets identified at Hacks & Oroya, 10 October 2022*

The Company confirms that it is not aware of any new information or data that materially affects the information included in the previous market announcements noted above.

## Tables 1 & 2: Mineral Resource Estimate for Sandstone Gold Project

Table 1: Total Mineral Resource Estimate for Sandstone Gold Project

JORC 2012 Mineral Resource Estimate for the Sandstone Gold Project as at March 2022			
Classification	Tonnes (Mt)	Grade (g/t gold)	Contained gold (koz)
Total Indicated	3.0	1.7	159
Total Inferred	9.4	1.6	476
<b>TOTAL</b>	<b>12.4</b>	<b>1.6</b>	<b>635</b>

Updated Mineral Resources reported at a cut-off grade of 0.5 g/t gold. Mineral Resources for Indomitable are reported at a cut-off grade of 0.3 g/t gold. Minor discrepancies may occur due to rounding of appropriate significant figures.

Table 2: Total Mineral Resource Estimate for Sandstone Gold Project (by deposit)

Deposit	Indicated			Inferred			Total		
	Tonnage (Mt)	Grade g/t	Gold (koz)	Tonnage (Mt)	Grade g/t	Gold (koz)	Tonnage (Mt)	Grade g/t	Gold (koz)
Lord Nelson	1.0	1.8	56	4.3	1.5	211	5.3	1.6	267
Lord Henry	1.6	1.5	77	0.3	1.2	13	1.9	1.4	90
Vanguard Camp	0.4	2.0	26	1.9	2.0	124	2.3	2.0	150
Havilah Camp				1.0	1.5	46	1.0	1.5	46
Indomitable Camp <sup>a</sup>				1.7	1.3	74	1.7	1.3	74
Ladybird <sup>b</sup>				0.1	1.9	8	0.1	1.9	8
<b>TOTAL</b>	<b>3.0</b>	<b>1.7</b>	<b>159</b>	<b>9.4</b>	<b>1.6</b>	<b>476</b>	<b>12.4</b>	<b>1.6</b>	<b>635</b>

Updated Mineral Resources reported at a cut-off grade of 0.5 g/t gold and are constrained within a A\$2,500/oz optimised pit shells based on mining parameters and operating costs typical for Australian open pit extraction deposits of a similar scale and geology. Mineral Resources for Indomitable (reported at a cut-off grade of 0.3 g/t gold) and Ladybird deposits have not been updated. Minor discrepancies may occur due to rounding of appropriate significant figures.

The references in this announcement to Mineral Resource estimates for the Sandstone Gold Project were reported in accordance with Listing Rule 5.8 in the following announcements:

- (a) Indomitable Camp: announcement titled: "*Maiden Gold Resource at Indomitable & Vanguard Camps, Sandstone WA*" 25 Sep 2018; and
- (b) Ladybird: announcement titled: "*Alto increases Total Mineral Resource Estimate to 290,000oz, Sandstone Gold Project*" 11 June 2019.
- (c) Lord Henry, Lord Nelson, Vanguard Camp & Havilah Camp: announcement titled: "*Sandstone Mineral Resource increases to 635,000oz of gold*" 23 March 2022

The Company confirms that it is not aware of any new information or data that materially affects the information included in the previous market announcement noted above and that all material assumptions and technical parameters underpinning the Mineral Resource estimates in the previous market announcement continue to apply and have not materially changed.