

Croydon Gold Project, Pilbara WA

CZR prepares for new drilling campaign along strike from Hemi

Gravity survey underway to identify intrusion-related gold; Numerous targets already outlined by previous drilling and strong geochemistry

Highlights

- Gravity survey has commenced at Croydon gold project, targeting intrusion-related gold mineralisation within the Mallina Basin, analogous to De Grey Mining's (ASX: DEG) neighbouring 8.5Moz Hemi discovery
- Western target includes Top Camp prospect where strong gold and arsenic-in-soil geochemistry and gold mineralisation was intersected in 2020 CZR drilling, including:
 - **8m at 10.2g/t Au** from 135m in CRC007
 - **2m at 22g/t Au** from 7m in CRC021; and
 - **28m at 0.6g/t Au** from 147m in CRC022
- Eastern target covers the Murph and Martin prospects and is located in a similar structural setting to Hemi, with ultramafic and felsic intrusions but mostly under shallow sand cover
- Survey expected to be completed in December, with modelling of prospective intrusions and drilling scheduled for the March Quarter 2023

CZR Resources Limited (ASX: CZR) is pleased to announce exploration is ramping up at its Croydon Gold Project in the Pilbara ahead of drilling in the coming quarter.

The Croydon project is located in the Mallina Basin between Karratha and Port Hedland. The region contains De Grey Mining Limited's (DEG) Hemi gold deposit, which has an 8.5Moz resource (DEG release to ASX; 31 May 2022).

The Mallina Basin has the potential to emerge as a major gold province and CZR's Croydon project covers approximately 40km strike of the Mallina Basin, about 70km south-east of Hemi (Figure 1).

Gold mineralisation at Hemi is hosted in a series of intermediate intrusions associated with sulphide (pyrite and arsenopyrite) stringers and disseminations within brecciated and altered quartz diorites that intrude into the surrounding Archaean aged Mallina Basin sediments.

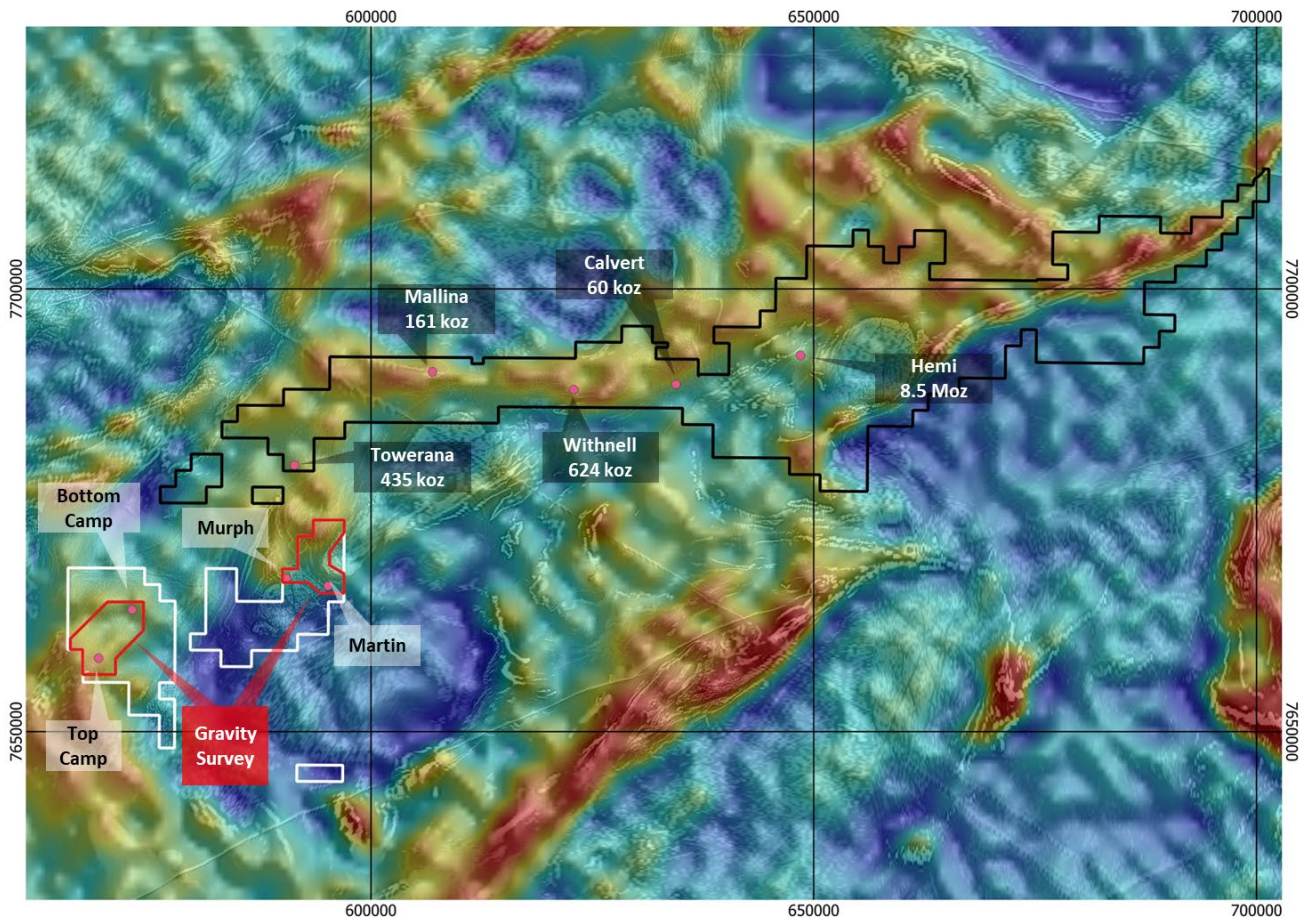


Figure 1. CZR’s Croydon project and De Grey Mining’s Hemi Gold Project – Regional gravity over magnetics background image

CZR Managing Director Stefan Murphy said: "CZR's Croydon project has a highly desirable address along strike from Hemi. This potential is highlighted by the strong drilling results of up to 22gpt Au achieved".

Mr Murphy said the success at Hemi had thrown a spotlight on the potential for multi-million ounce gold deposits within the Mallina Basin.

“Since CZR completed the last round of drilling at our Top Camp prospect in 2020, more information has come to light on the intrusion-related gold systems at Hemi, and this has allowed CZR to reassess our geological understanding and re-set our exploration model,” he said.

“Croydon has a similar surface geochemical signature to Hemi and the gravity survey will focus on defining blind intrusions prospective for Hemi-style gold mineralisation in similar structural settings.”

Magnetic surveys, particularly over the Western target, are relatively ineffective at detecting buried, or ‘blind’, intrusions due to the overlying Mallina Basin sediments. Ground based gravity differentiates density contrasts between different rock types, in particular lower density intrusions next to higher density mafic and ultramafic rocks, which is the target setting for gold mineralisation at Croydon.

A total of 4,000 gravity stations are planned over the Western and Eastern targets, at a nominal 100m station x 200m line spacing. The data collection is expected to be completed by mid-late December, with 3D inversion modelling planned early in the March 2023 quarter. Priority drill targets, using the newly acquired gravity data and existing geochemical data will then be tested later in the March 2023 quarter, weather and approvals permitting.

This announcement is authorised for release to the market by the Board of Directors of CZR Resources Ltd.

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Forward Looking Statements

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Statements regarding plans with respect to CZR’s mineral properties may contain forward-looking statements in relation to future matters that can only be made where CZR has a reasonable basis for making those statements. Competent Person Statements regarding plans with respect to CZR’s mineral properties are forward looking statements. There can be no assurance that CZR’s plans for development of its mineral properties will proceed as expected. There can be no assurance that CZR will be able to confirm the presence of mineral deposits, that any mineralisation will prove to be economic or that a mine will successfully be developed on any of CZR’s mineral properties.

Competent Person Statement

The information in this announcement that relates to exploration activities and exploration results is based on information compiled by Stefan Murphy (BSc), a Competent Person who is a Member of the Australian Institute of Geoscientists. Stefan Murphy is Managing Director of CZR Resources, holds options in the Company and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which 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’ (JORC Code).

Stefan Murphy has given his consent to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.