

ASX ANNOUNCEMENT

21st Oct 2024

Drilling program started at Swiftsure within the Kookynie Gold Project targeting bonanza gold grades down-dip

Carnavale Resources Ltd (“**Carnavale**” or the “**Company**”) is pleased to advise it has commenced an extensional drilling program at the high-grade Swiftsure deposit within the Kookynie Gold Project 60km south of Leonora and 180km north of Kalgoorlie in Western Australia.



Figure 1, Challenge drilling onsite at Swiftsure with RC rig

- ✦ The 21-hole drilling program is planned to include +4,000m of reverse circulation (RC) drilling and +500m of diamond drilling. Carnavale will monitor the drilling carefully and modify the program to chase the best mineralisation as it is encountered.
- ✦ Carnavale is testing extensions to the Swiftsure bonanza gold grade shoots that contain zones of +30g/t within the resource.
- ✦ In addition, Carnavale will test the newly discovered prospects along strike from Swiftsure of Valiant and Tiptoe.
- ✦ Drilling is expected to take 4 weeks to complete.

CEO Humphrey Hale commented:

“We are delighted to be back at Kookynie drilling deeper at Swiftsure. We are only just getting started here and look forward to further exploration success following the bonanza grade gold shoots to depth at Swiftsure. In addition, we will be testing the nearby newly discovered prospects of Tiptoe and Valiant to expand the resource base which will add value to the Kookynie Gold Project.”

Carnavale published a maiden resource estimate (MRE) and initial Scoping Study in June 2024 for the Swiftsure deposit at the Kookynie Gold Project. This report contains references to Carnavale’s JORC mineral resources, extracted from the ASX announcement titled “Robust Maiden Resource and Positive Scoping Study for Kookynie” dated 13th June 2024. Summary details for the resource include:

- ✦ Initial Swiftsure MRE of **457kt @ 5.8g/t for 85koz Au** at mineable cutoff grades.
- ✦ MRE includes bonanza “**ounce dirt**” **gold zone** containing approx. **53koz @ 31.2g/t Au**.
- ✦ MRE only includes drilling at the Swiftsure deposit and remains open at depth and along strike.

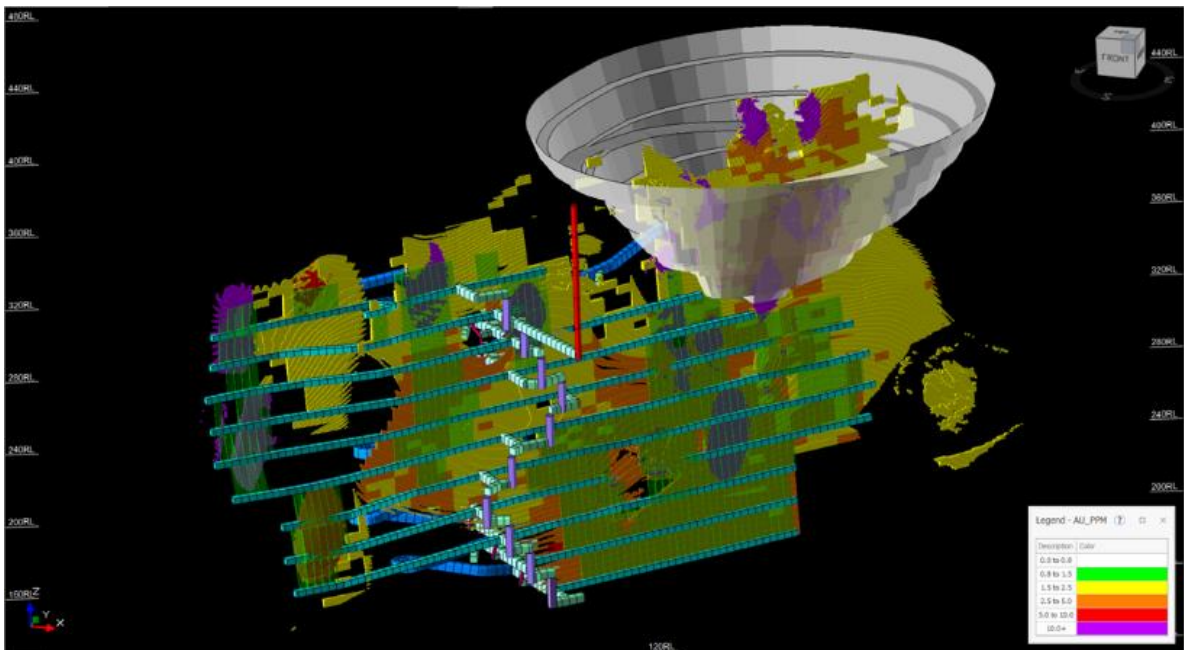


Figure 2, Proposed Scoping study development showing high grade plunging shoots in purple.

A highly positive Scoping Study (Study) was released for the Swiftsure deposit that included open pit and underground development. The Study has robust financials and a competitive cost profile utilising conservative mining parameters and current cost assumptions. Summary details include:

- ✦ Net Present Value (pre-tax NPV⁸) of approximately **A\$91m with an IRR of 192%** at Au\$3,500/oz.
- ✦ Initial mine production target inc. mine dilution of approx. **421kt @ 4.6g/t for 62koz Au**.
- ✦ Undiscounted Cashflow of approximately **A\$105m**
- ✦ Pre-production Capital of approximately **\$3m with** maximum drawdown in the order of **\$12.9m**
- ✦ Payback of Capital in **month 14** of operations.

Carnavale has lodged the Mining License application for the Swiftsure deposit.

Drilling program at Swiftsure

Carnavale has defined indicated and inferred resources at the Swiftsure deposit to approximately 200 - 250m below surface. The current extensional exploration drilling program is designed to test below the current resource zone from 200m to 400m below surface for repeats and extensions of the high-grade structures at Swiftsure (figure 3).

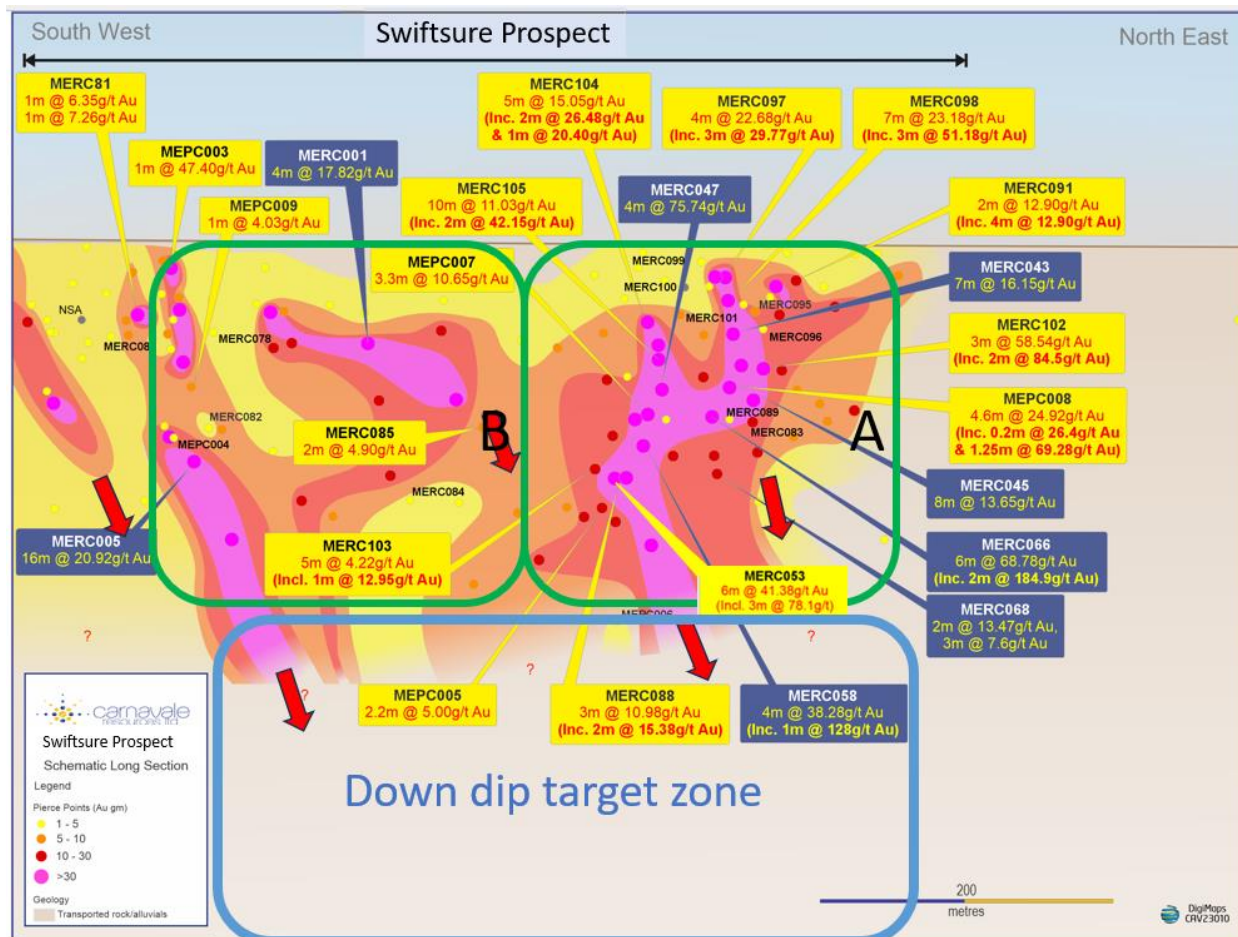


Figure 3, Swiftsure RC and Diamond drilling Down dip target zone below plunging high grade shoots.

The drilling below Swiftsure will comprise RC drilling and diamond drilling to test the structures at this depth. The diamond core retrieved will add valuable structural and textural information to support our interpretations and exploration focus.

Exploration drilling at Tiptoe and Valiant Prospects

Carnavale previously identified new gold zones at Tiptoe and Valiant and extended structural targets under alluvial cover. Historical drilling confirmed the prospectivity of the major shear structure that hosts the bonanza grades at Swiftsure for over 2km within the tenement package.

The major mineralising structure strikes northeast southwest and hosts mineralisation at Swiftsure with the new prospects of Tiptoe and Valiant, including Champion South, along strike.

The morphology of this major structure changes along its length with variable dips to the East and the potential to split into parallel structures as the major structure interacts with the bedrock geology and associated north northwest striking structures. This variation in the major structure provides the geometry for bonanza grade gold zones as steeply dipping shoots in fresh rock.

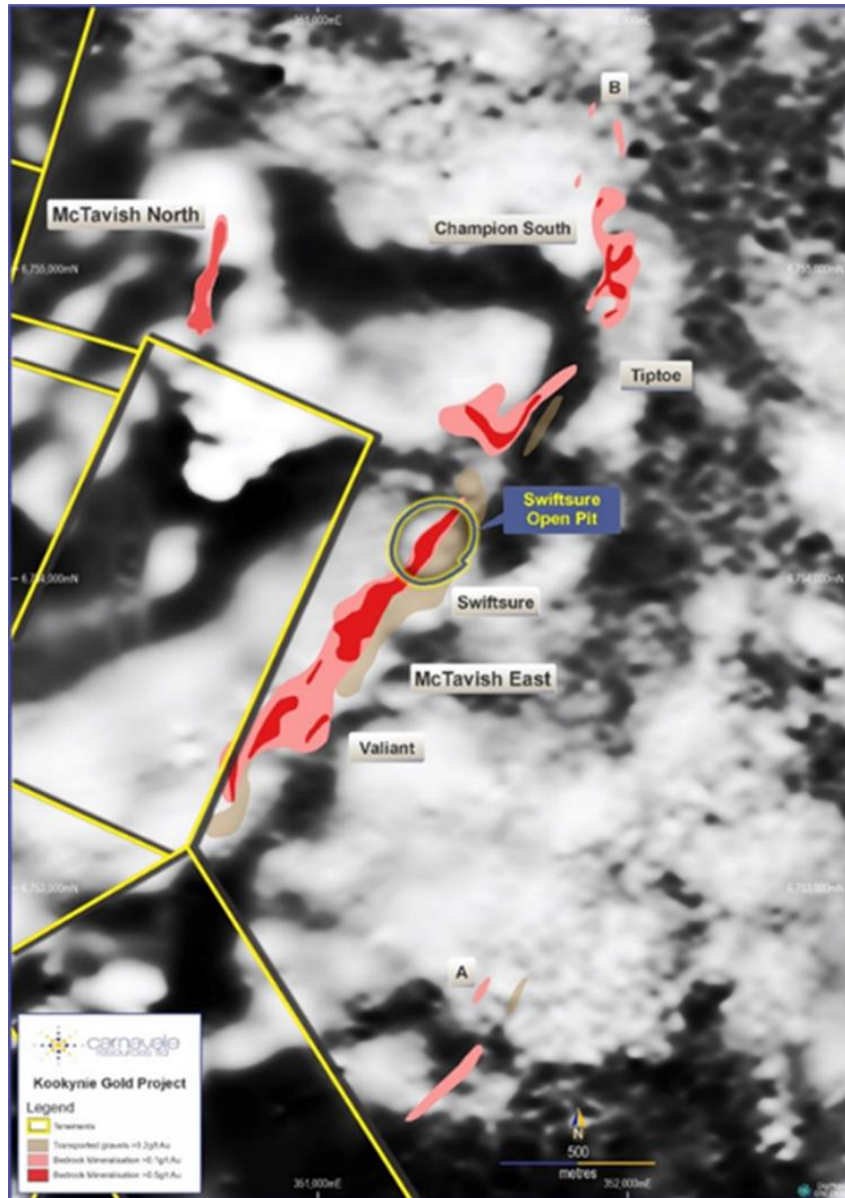


Figure 4, Plan of Kookynie Gold Project with prospect locations over aeromagnetics

Valiant and Tiptoe have associated bismuth and tungsten anomalism that is characteristic of the bonanza grade gold zones at Swiftsure and are interpreted to be indicative of deeper mineralisation in the fresh rock. Carnavale is targeting mineralisation associated with steeply dipping gold shoots with this program of exploration.

Valiant Prospect

The Valiant Prospect is about 200m south of Swiftsure and strikes for 250m. This zone is made up of two mineralised structures parallel to each other in a Northwest Southeast direction.

A low order gold anomaly in the transported material overlies the eastern limb of Valiant, and beneath this, in the residual saprolite, are several narrow gold anomalies that allow Carnavale to vector in to the steeply dipping, structurally controlled primary mineralisation. Valiant presents as a target for more focused RC drilling in fresh rock to determine the source of these regolith anomalies.

Tiptoe Prospect

Carnavale has increased the footprint of the Tiptoe Prospect. The morphology of the anomalism indicates that Tiptoe may have an additional north-northeast south-southwest structure intersecting the major northeast southwest structure. This is highly encouraging for Carnavale as the intersection of these structures may provide dilatory sites amenable to high grade shoots.

Previous drilling at Tiptoe intersected high-grade gold within fresh rock that included 1m @ 20.3g/t in MERC118. The prospect has a 200m x 200m footprint in the regolith. Carnavale is following this up with further RC drilling in this program to test the extents of this high-grade intersection.

This release is approved by the Board of Carnavale Resources Limited.

For further information contact:

Humphrey Hale – CEO

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Table 1: JORC Resources of Swiftsure deposit at the Kookynie Gold Project

Classification	kTonnes	Au ppm	Au k Ounces
Measured			
Indicated	221.7	7.40	52.7
Inferred	235.5	4.28	32.4
Total	457.1	5.79	85.1

Note 1: This Announcement contains references to Carnavale’s JORC mineral resources, extracted from the ASX announcement titled “Robust Maiden Resource and Positive Scoping Study for Kookynie” dated 13th June 2024.

Location	CoG	Class	VOLUME	TONNES	DENSITY	AU_PPM	Au Oz
O/C	0.8	Ind	50,340	132,466	2.63	8.35	35,553
O/C	0.8	Inf	4,662	11,654	2.50	1.76	659
O/C	0.8	All	55,002	144,120	2.62	7.81	36,211
U/G	1.5	Ind	33,047	89,218	2.70	5.99	17,177
U/G	1.5	Inf	83,337	223,803	2.69	4.41	31,744
U/G	1.5	All	116,384	313,021	2.69	4.86	48,921
Both		Ind	83,387	221,684	2.66	7.40	52,730
Both		Inf	87,998	235,457	2.68	4.28	32,402
Both		All	171,385	457,141	2.67	5.79	85,132

A lower Au cut-off grade of 0.8 g/t is used for material within the optimised pit shell, and 1.5 g/t Au for material below the pit shell. These figures broken down by open cut or underground location.

Competent Persons Statement

The information that relates to Exploration Results for the projects discussed in this announcement represents a fair and accurate representation of the available data and studies; and is based on, and fairly represents information and supporting documentation reviewed by Mr. Humphrey Hale, a Competent Person who is a Member of The Australian Institute of Geoscientists. Mr. Hale is the Chief Executive Officer of Carnavale Resources Limited and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resource and Ore Reserves”. Mr. Hale consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

The information in this announcement that relates to Estimation and Reporting of Mineral Resources at the Kookynie Gold Project is based on information compiled by Mr Michael Job, who is a Fellow of the Australasian Institute of Mining and Metallurgy (FAusIMM). Mr Job is an independent consultant employed by Cube Consulting. Mr Job 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. Mr Job consents to the inclusion in the report of the matters based on the information in the form and context in which it appears.

Forward Looking Statements

Statements regarding Carnavale’s plans with respect to the mineral properties, resource reviews, programs, economic studies, and future development are forward-looking statements. There can be no assurance that Carnavale’s plans for development of its mineral properties will proceed any time in the future. There can also be no assurance that Carnavale will be able to confirm the presence of additional mineral resources/reserves, that any mineralisation will prove to be economic or that a mine will successfully be developed on any of Carnavale’s mineral properties.

Compliance Statement – Kookynie Gold Project

With reference to previously reported Exploration results and Minerals resources, the Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of mineral resources that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person’s findings are presented have not been materially modified from the original market announcement.

Information relating to Previous Disclosure

Information relating to Exploration Results and Mineral Resources associated with previous disclosures relating to the Grey Dam Project, Ora Banda South Project and the Kookynie Gold Project in this announcement has been extracted from the following ASX announcements:

Carnavale acquires a High-Grade Gold Project - Kookynie, 4 August 2020

Carnavale secures additional ground at Kookynie Gold Project, 14 September 2020

Strategic Acquisition and Intensive Exploration to commence at Kookynie High-Grade Gold Project, 22 Oct 2020

Kookynie Exploration update, 9 November 2020

Kookynie Gold Project – Aircore Drilling commenced, 1 Dec 2020

Kookynie Gold Project – Drilling update, 17 Dec 2020

Kookynie Gold Project – Aircore drilling success, 9 Feb 2021

Kookynie Gold Project – Second phase of Aircore Drilling commenced 3 March 2021

High grade Gold discovered at Kookynie Gold Project, 19 April 2021

Kookynie Gold Project – Aircore continues at Kookynie targeting high-grade gold, 11 May 2021

Kookynie Gold Project – Phase 3 aircore drilling at Kookynie Gold Project complete, 28 May 2021

Kookynie Gold Project delivers Bonanza Gold grades, 15 July 2021

CAV Acquires 80% of Kookynie Gold Project, 26 July 2021

RC drilling commenced at the high-grade Kookynie Gold Project, 28 October 2021

Initial RC drilling completed at the Kookynie Gold Project, 16 Nov 2021

RC drilling intersects Bonanza Gold at Kookynie Gold Project, 17 Jan 2022

Kookynie Delivers Further High-Grade Gold Results and Expands Potential, 31 Jan 2022

Kookynie RC drilling recommences at McTavish East targeting high grade gold extensions, 29 March 2022

Aircore to test 1km prospective structure at high grade Kookynie Gold Project completed, 20 June 2022

Diamond drilling commenced at Kookynie, 15 July 2022

New high-grade gold discovery at Kookynie Gold Project. 1 August 2022

Exciting new zones discovered along high-grade corridor at Kookynie Gold Project, 8 September 2022

Diamond drilling extends down dip extensions to high-grade gold zone at Kookynie, 18 October 2022

New high-grade gold discovery at Kookynie Gold Project. 1 August 2022

Exciting new zones discovered along high-grade corridor at Kookynie Gold Project, 8 September 2022

Diamond drilling extends down dip extensions to high-grade gold zone at Kookynie, 18 October 2022

RC drilling testing high-grade aircore results at Kookynie, 23 May 2023

Bumper grades in RC drilling at Kookynie Gold Project, 5 July 2023

RC drilling chasing extensions to bumper high-grade gold at Kookynie, 14 Aug 2023

RC drilling chasing extensions high-grade gold at Kookynie completed, 12 Sept 2023

Initial metallurgical test work demonstrates outstanding recoveries, 19 Sept 2023

Outstanding high-grade gold results continue to flow from the Kookynie Gold Project, 30 Oct 2023

Carnavale Divests Non-Core Grey Dam asset as it maintains WA gold focus, 19 Dec 2023

RC and Diamond Drilling program completed at Kookynie, 20 Dec 2023

Drilling continues as Kookynie delivers further outstanding gold results 19 Feb 2024

New shallow high-grade gold discovery at Kookynie, 2 April 2024

Kookynie aircore discovers new gold zones and extends Tiptoe footprint, 20th May 2024

Robust Maiden Resource and Positive Scoping Study for Kookynie, 13th June 2024

Outstanding Metallurgical testwork results for Kookynie Gold Project, 5th August 2024