

29 June 2023

ASX Announcement

Kat Gap Plant Endorsed For Efficient Gravity Gold Recovery

Highlights:

- **Independent Metallurgical Operations Pty Ltd endorses the existing milling circuit configuration as an efficient approach for gravity gold recovery.**

PERTH, AUSTRALIA - June 29, 2023 - Classic Minerals Ltd (ASX: CLZ) Gold development company Classic Minerals Ltd recently engaged **Independent Metallurgical Operations Pty Ltd (IMO)** to evaluate the Kat Gap processing plant design. IMO provided the services of Mr Grant Harding (F AusIMM) who has inspected the process plant and following a comprehensive evaluation of the current circuit design has confirmed **the Kat Gap processing plant is fit for purpose.**

Understanding Classic's objective of expediting gold bar production while minimizing costs, **Mr. Harding endorses the existing milling circuit configuration as an efficient approach for gravity gold recovery.**



Figure 1 – Kat Gap Gold Processing Plant.

Based on the results of the bench and pilot scale tests conducted, Mr Harding holds the view the current Kat Gap process plant milling, and gravity circuit configuration is ideally suited to maximise the recovery of gravity recoverable gold.

The performance of the pilot plant was consistent with the results of earlier bench scale metallurgical tests reporting 5% mass recovery and gravity gold recoveries between 65% and 75%¹.



Figure 2 – Kat Gap Processing Plant and Tailings Storage Facility

The Company's 100% owned, state-of-the-art processing facility is a crucial component of the mine planning detail, facilitating in-house control over ore processing and gold production. Classics' robust infrastructure provides a competitive advantage, enhancing its ability to capitalize on the upgraded resource and further expand its gold production capabilities.

Mr. Dean Goodwin, CEO of Classic Minerals, stated:

"The Board's decision to proceed with the Gekko and gravity circuit has today been vindicated by IMO's assessment. I can feel the plant coming to life very shortly."

¹ ASX Announcement 10 Oct 2022

About Classic Minerals Ltd

Expanding its focus from exploration to mining, West Australian-based, minerals house Classic Minerals Ltd holds a pipeline of projects and continues to examine new opportunities both cyclic and counter-cyclic. Currently, ASX-listed Classic holds approximately 578 km² of tenements across two major regional exploration areas in minerals-rich West Australia. Classic's ground is in areas with identified high grade gold and base metal targets. Classic's flagship Kat Gap Gold Project has been the recent focus of its exploration, mining and processing efforts and is strategically located some 170 km south of Southern Cross and some 50 km south of the Company's Forrestania Gold Project. With strong grades and near-surface mineralisation Kat Gap is soon to attain full scale production. .

This announcement has been approved by the Board.

ENDS:

ABOUT THE FORRESTANIA GOLD PROJECT

The FGP Tenements (excluding Kat Gap) are registered in the name of Reed Exploration Pty Ltd, a wholly owned subsidiary of ASX listed Hannans Ltd (ASX: HNR). Classic has acquired 80% of the gold rights on the FGP Tenements from a third party, whilst Hannans has maintained its 20% interest in the gold rights. For the avoidance of doubt Classic Ltd owns a 100% interest in the gold rights on the Kat Gap Tenements and also non-gold rights including but not limited to nickel and lithium.

Classic has inferred and indicated mineral resources of **8.41Mt at 1.45 g/t for 391,417 ounces of gold**, classified and reported in accordance with the JORC Code (2012), with a recent Scoping Study (see ASX Announcement released 2nd May 2017) suggesting both the technical and financial viability of the project. The current post- mining Mineral Resource for Lady Ada, Lady Magdalene and Kat Gap is tabulated below. Additional technical detail on the Mineral Resource estimation is provided, further in the text below and in the JORC Table 1 as attached to ASX announcements dated 18 December 2019, 21 January 2020, and 20 April 2020.

Prospect	Indicated			Inferred			Total		
	Tonnes	Grade (Au g/t)	Oz Au	Tonnes	Grade (Au g/t)	Oz Au	Tonnes	Grade (Au g/t)	Oz Au
Lady Ada	257,300	2.01	16,600	1,090,800	1.23	43,100	1,348,100	1.38	59,700
Lady Magdalene				5,922,700	1.32	251,350	5,922,700	1.32	251,350
Kat Gap	254,900	2.5	20,488	886,512	2.11	60,139	1,141,412	2.19	80,367
Total	512,200	2.25	37,088	7,900,012	1.40	354,589	8,412,212	1.45	391,417

Notes:

- The Mineral Resource is classified in accordance with JORC, 2012 edition
- The effective date of the mineral resource estimate is 14 June 2023.
- The mineral resource is contained within FGP tenements
- Estimates are rounded to reflect the level of confidence in these resources at the present time.
- Mineral resources for Lady Ada and Lady Magdalene (Ladies) are reported at 0.5 g/t Au cut-off grade, Kat Gap at 0g/t Au.
- Depletion of the resource from historic open pit mining has been considered for the Ladies deposits. Trial pit mining depletion at Kat Gap has not been accounted for in the block model due to the ore remaining unprocessed.

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

Forward Looking Statements

This announcement may contain certain “forward-looking statements” which may not have been based solely on historical facts, but rather may be based on the Company’s current expectations about future events and results. Where the Company expresses or implies an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and believed to have reasonable basis. However, forward looking statements are subjected to risks, uncertainties, assumptions and other factors, which could cause actual results to differ materially from future results expressed, projected or implied by such forward-looking statements. Such risks include, but are not limited to Resource risk, metals price volatility, currency fluctuations, increased production costs and variances in ore grade or recovery rates from those assumed in mining plans, as well as political and operational risks in the Countries and States in which we operate or sell product to, and governmental regulation and judicial outcomes. For a more detailed discussion of such risks and other factors, see the Company’s annual reports, as well as the Company’s other filings. Readers should not place undue reliance on forward looking information. The Company does not undertake any obligation to release publicly any revisions to any “forward-looking statements” to reflect events or circumstances after the date of this announcement, or to reflect the occurrence of unanticipated events, except as may be required under applicable securities laws.

Competent Person Statement

The information in this report which relates to the Kat Gap gravity gold processing plant is based on information compiled by Mr. Grant Harding, who is a consultant engaged by Classic Minerals Ltd. Mr Harding is a Fellow of the Australian Institute of Mining and Metallurgy (#106854) and has sufficient relevant experience in the type of gold processing under consideration 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 Harding consents to the inclusion in this report of the matters based on the information compiled by him, in the form and context in which it appears.

Competent Persons Statement

The information contained in this report that relates to Mineral resources and Exploration Results is based on information compiled by Dean Goodwin, a Competent Person who is a Member of the Australian Institute of Geoscientists (AIG). Mr Goodwin is a consultant exploration geologist with Reliant Resources Pty Ltd and consults to Classic Minerals Ltd. Mr. Goodwin has sufficient experience that is relevant to the style of mineralisation and the 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 Resources and Ore Reserves”. Mr. Goodwin consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.