

Classic Minerals Limited: 6.06 g/t Gold Averaged in First Bulk Sample Ore Through Gekko

10.10.2022 | [ABN Newswire](#)

Perth, Australia - [Classic Minerals Ltd.](#) (ASX:CLZ) (FRA:217) (OTCMKTS:CSMRF) advises that it has received assay results from the recent pilot plant test-work. The average head grade for the first portion of the bulk sample ore from Kat Gap is confirmed at 6.06 g/t.

The mining of the bulk sample combined with the lab studies of 29 Sept 2020 and processing ore through the Gekko pilot plant gives a large degree of confidence to the Company. The original JORC resource was calculated to be "1Mt @ 3gpt Au for 93koz (0gpt lower cutoff)".

The actual grade calculated from the pilot plant run of 6.06 g/t Au is much higher than the average inferred resource grade calculated in April 2020.

The gravity gold recovery is once again in line with expectations, with a recovery of 73.2% into a mass pull of 4.6% of the feed. This compares very well against previous bench scale metallurgical test work of 65-75% gravity gold recovery in approximately 5% mass pull.

These results clearly demonstrate that the Gekko plant is perfectly suited to Kat Gap style ore capable of extracting high levels of gravity gold at relatively low cost. The gravity concentrate produced at a low cost with no chemical reagents provides confidence of the viability of the milling process.

The concentrate contained crushed material with a top size of 2.5mm, which was predominantly quartz with minor fractions of iron oxide and other base metal minerals. Gold was present as both freely liberated gold (38% of the concentrate gold) and as binary gold/gangue particles. Examination of the concentrate with a loupe evidenced gold particles partially liberated within quartz particles, as well as fully liberated gold particles. (Base metal scan currently underway to determine minerals/metals present in the concentrate).

The Pilot run demonstrates that the Gekko flowsheet effectively concentrates the gold ore to produce a high-grade concentrate, whilst discarding a proportion of the gold into a low-grade tailings stream. In this instance the concentrate assayed approximately 90 g/t Au, with a tailings grade of 1.62 g/t Au giving an overall head grade of 6.06 g/t Au.

By controlling the mass pull to an optimal value, the project financials may be maximised based on the gold price, and ore feed grade, and three configurations may be entertained with the current plant flowsheet.

(a) Low grade feed upgraded to an economic grade at a high throughput rate.

(b) Upgrade High grade ore to discard most of the mill feed as a 'low grade' tail which may be economic to process at a later date when there are sufficient tonnes.

(c) High grade ore processed through the Gekko Plant to produce a gravity concentrate at low cost and reagent usage; with gravity tail leached.

The Gekko plant offers a versatile gold processing plant that will allow Classic to optimise recovery at the Kat Gap plant, depending on market conditions, ore competency, ore grade, and gold price.

The Gekko plant, followed by a grinding and leaching circuit has been shown to demonstrate 98% gold recovery in metallurgical testwork. The ore type is a typical free milling non-refractory ore type that is common in the eastern goldfields; with recoveries ranging from 95% and higher for most of these ore types when milled with reasonable diligence.

The ore material put through the Gekko Pilot plant test run was sourced from the last material mined from the base of the bulk sample pit. This material, from flitch/bench 376-374m RL had an average resource block model grade of 5.12 g/t Au. The Gekko pilot test run returned an average head grade of 6.06 g/t Au for the same material which is 16% higher than the predicted block model grade. These early results are very encouraging and bode well for future open pit mining operations.

Dean Goodwin said "The higher grades returned from the Gekko pilot run are not surprising to me given most of the open pits I've worked on in the Forrestania area returned positive reconciliations meaning we got more gold out of them than we originally thought we would get. So, seeing these higher-than-expected results from Kat Gap albeit exciting are not surprising to me. Let's look at Lady Ada (formally Blue Haze) for instance. It's pre mining block model resource was 154,374t at 4.57 g/t for contained 22,536 ounces but when Sons of Gwalia mined it back in 2003, they ended up mining 95,865t at 8.81 g/t Au for 27,154 ounces, substantially higher grade and more ounces than predicted. There is no geological reason why Kat Gap won't perform in a similar manner, maybe a few less tonnes but at a higher grade and more ounces".

Chairman John Lester said "The company is ecstatic about the high grades coming from the metallurgical reports. We were aware that there was a high degree of gravity recovery from the Kat Gap ore but the 73.2% is admirable. Furthermore, the met test results showing a 98% recovery of gold from Kat Gap ore will mean that this extent of recovery can be repeated during any toll milling that may be undertaken while we are waiting for all our processing licenses. I believe that the Kat Gap Plant will be in the lower cost quartile due to the beneficiation of the ore prior to gold recovery. All this bodes extremely well for the future revenue generation for Classic".

*To view tables and figures, please visit:
<https://abnnewswire.net/lnk/FY3W9FPE>

About Classic Minerals Limited:

[Classic Minerals Ltd.](#) (ASX:CLZ) is an exploration and development company focused on gold deposits in Western Australia's famous Goldfields region. In March 2017, Classic acquired the Forrestania Gold Project, with seven tenements stretching across 450km². Strategically located in a very prospective region, the FGP is an underexplored package surrounded by multimillion ounce deposits such as Bounty (2Moz) and Yilgarn Star (1.5Moz).

Source:
[Classic Minerals Ltd.](#)

Contact:

[Classic Minerals Ltd.](#) T: +61-8-6305-0221 E: contact@classicminerals.com.au WWW:
www.classicminerals.com.au

Dieser Artikel stammt von [Rohstoff-Welt.de](#)

Die URL für diesen Artikel lautet:

<https://www.rohstoff-welt.de/news/425134--Classic-Minerals-Limited--6.06-g-t-Gold-Averaged-in-First-Bulk-Sample-Ore-Through-Gekko.html>

Für den Inhalt des Beitrages ist allein der Autor verantwortlich bzw. die aufgeführte Quelle. Bild- oder Filmrechte liegen beim Autor/Quelle bzw. bei der vom ihm benannten Quelle. Bei Übersetzungen können Fehler nicht ausgeschlossen werden. Der vertretene Standpunkt eines Autors spiegelt generell nicht die Meinung des Webseiten-Betreibers wieder. Mittels der Veröffentlichung will dieser lediglich ein pluralistisches Meinungsbild darstellen. Direkte oder indirekte Aussagen in einem Beitrag stellen keinerlei Aufforderung zum Kauf-/Verkauf von Wertpapieren dar. Wir wehren uns gegen jede Form von Hass, Diskriminierung und Verletzung der Menschenwürde. Beachten Sie bitte auch unsere [AGB/Disclaimer!](#)

Die Reproduktion, Modifikation oder Verwendung der Inhalte ganz oder teilweise ohne schriftliche Genehmigung ist untersagt!
Alle Angaben ohne Gewähr! Copyright © by Rohstoff-Welt.de -1999-2026. Es gelten unsere [AGB](#) und [Datenschutzrichtlinien](#).