

Misima Gold Project Pre-Feasibility Study Update

Kingston moving rapidly towards completion of PFS and anticipated reporting of open pit Ore Reserve

- **Misima Pre-Feasibility Study (PFS) advancing on schedule, with 60% design completion achieved**
- **Historical operating data, metallurgical test work, and geotechnical plans have provided considerable cost and time advantages to the PFS and significantly de-risk future development**
- **Process plant design complete with engineering and cost estimation progressing**
- **Misima is anticipated to host a standard Carbon in Leach (CIL) processing plant based on a similar design and capacity as the plant operated by previous owner Placer for 15 years**
- **Open pit optimisation and mine scheduling substantially complete**
- **Study on track for delivery in the December 2020 quarter**

Kingston Resources Limited (ASX: **KSN**) (**Kingston** or **the Company**) is pleased to report that the Pre-Feasibility Study (PFS) for its flagship Misima Gold Project in PNG is advancing on schedule, with the study on track for completion in the December 2020 quarter.

Following the delivery of an updated Mineral Resource Estimate of **105Mt @ 0.93g/t for 3.21Moz Au** (Indicated and Inferred – see ASX Announcement 21 May 2020), Kingston immediately commenced work on the Misima PFS, with the appointment of key consultants completed in early July.

The availability of significant historical data, including processing plant design, metallurgical test work and geotechnical analysis, has enabled Kingston to rapidly progress through the early stages of the PFS work program and move to design completion. Final engineering and cost estimation for the PFS is now underway.

Kingston's approach to the PFS has been to focus on replicating much of Placer's highly successful 5Mtpa operation at Misima, which produced 3.7Moz of gold over 15 years at very low operating cost. For example, Kingston anticipates locating plant, haul roads, camps and ancillary infrastructure at the same sites utilised by the Placer operations.

This is expected to significantly reduce the capital cost of construction through anticipated reductions in earthworks, while also de-risking geotechnical exposure.

A number of key infrastructure facilities, including ports, air-strip and haul roads, remain in place post Placer's departure. These are anticipated to be utilised in either their current state or with minor upgrades, further reducing the project's capital cost.



Kingston also anticipates only limited changes to Placer’s successful process plant design (a standard CIL processing plant), such changes will be primarily related to standard technological improvements since the original design.

The open pit mine optimisation and scheduling work has substantially progressed, with final optimisations being completed as market-tested cost data is sourced.

The existing 3.21Moz Au Resource includes an Indicated component of 1.52Moz, of which more than 90% sits within a US\$1,400/oz pit shell. These Indicated ounces, once optimised for open pit extraction, will be available for potential conversion to Ore Reserves subject to the results of the PFS.



Figure 1. Preliminary process plant plans showing existing topography; located on historical Placer mill site

Kingston Resources Managing Director, Andrew Corbett, said: *“The Kingston team is making excellent progress on the Misima Gold Project PFS. We are fortunate to be able to benefit from the extensive historical datasets we have available, which provide a meaningful technical de-risking of the proposed project development.*

“Focusing on the previously-mined Umuna and Ewatinona open pits allows us to benefit from the well understood mining, milling and geotechnical characteristics of these orebodies, while also enabling us to leverage off previous mining access which remains in place.

“We are on track to deliver the Misima Pre-Feasibility Study in the December 2020 quarter, together with an open pit Ore Reserve, providing a clear roadmap for Kingston to progress towards the development of a significant new gold mine in the Asia-Pacific.”

Major Milestone	Status
Issued Engineering Tender	Complete
Geotechnical review completed	Complete
Metallurgical review completed	Complete
Engineering contract award	Complete
Environmental review completed	Complete
30% engineering design and review	Complete
60% engineering design and review	Complete
PFS engineering and estimate final	Q4 2020
Project financial model complete	Q4 2020
PFS report issued	Q4 2020
Misima Reserve reported	Q4 2020

Table 1. PFS milestones and planned progress



Figure 2. Preliminary milling circuit design

This release has been authorised by the Kingston Resources Limited Board. For all enquiries please contact Managing Director, Andrew Corbett, on +61 2 8021 7492.

About Kingston Resources

Kingston Resources is a metals exploration company which is focused on exploring and developing the world-class Misima Gold Project in PNG. Misima hosts a JORC resource of 3.2Moz Au. Misima was operated as a profitable open pit mine by Placer Pacific between 1989 and 2001, producing over 3.7Moz before it was closed when the gold price was below US\$300/oz. The Misima Project offers outstanding potential for additional resource growth through exploration success targeting extensions and additions to the current 3.2Moz Resource base. Kingston’s interest in Misima is held through its PNG subsidiary Gallipoli Exploration (PNG) Limited.

In addition, Kingston owns 75% of the high-grade Livingstone Gold Project in Western Australia where active exploration programs are also in progress.



Kingston project locations

The Misima Mineral Resource estimate outlined below was released in an ASX announcement on 21 May 2020. Further information relating to the resource is included within the original announcement.

Resource Category	Cut-off (g/t Au)	Tonnes (Mt)	Gold Grade (g/t Au)	Silver Grade (g/t Ag)	Au (Moz)	Ag (Moz)
Indicated	0.4	49.9	0.95	5.7	1.52	8.9
Inferred	0.4 & 0.8	55.6	0.92	7.7	1.64	13
Total	0.4	105.5	0.93	6.5	3.21	21.9

Misima JORC 2012 Mineral Resource Estimate summary table

Competent Persons Statement and Disclaimer

The information in this report that relates to Exploration Results and Mineral Resources is based on information compiled by Mr. Stuart Hayward BAppSc (Geology) MAIG, a Competent Person who is a member of the Australian Institute of Geoscientists. Mr. Hayward is an employee of the Company. Mr. Hayward 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 Resources and Ore Reserves”. Mr. Hayward consents to the inclusion in this report of the matters based upon the information in the form and context in which it appears.

Kingston confirms that it is not aware of any new information or data that materially affects the information included in all ASX announcements referenced in this release, and that all material assumptions and technical parameters underpinning the estimates in these announcements continue to apply and have not materially changed.