

Exceptional gold recoveries averaging 93.8% from initial metallurgical test work at Livingstone Project, WA

- Excellent gold recoveries averaging 93.8% achieved from preliminary metallurgical test work undertaken at the Livingstone Project, WA.
- Regional structural mapping program currently nearing completion.
- Diamond drilling set to commence shortly ahead of further RC drilling to establish a maiden JORC compliant Mineral Resource Estimate.

Kingston Resources Limited (ASX: KSN) (Kingston or the Company) is pleased to announce that preliminary metallurgical test work has delivered exceptional gold recoveries averaging 93.8% from its 75%-owned **Livingstone Gold Project**, located 140km north-west of Meekatharra in the Bryah Basin region of WA.

The test work was based on 16 ore samples collected from recent Reverse Circulation (RC) drilling at the Kingsley prospect (see ASX announcement 26 September 2019). The samples were selected from 10 RC holes across the prospect area, with intervals selected to provide varying grades, lithologies and weathering profiles.

The LeachWELL™ Accelerated Cyanide Leach test provides an indication of potential recoveries in metallurgical processes and circuits.

Gold recoveries averaged 89.5% in the primary mineralisation, 95.6% in the transitional mineralisation and 94.9% in the oxide mineralisation (see Table 1). The results from the Accelerated Cyanide Leach are exceptionally encouraging, indicating that the oxide, transitional and primary gold mineralisation at the Kingsley prospect are amenable to conventional cyanide extraction methods.

Next Steps

A regional structural mapping and interpretation program conducted by Dr Greg Cameron over the western portion of the Livingstone Project area, including the Kingsley and Livingstone North prospects, is now nearing completion. The work undertaken to date has already provided an enhanced understanding of this previously under-explored part of the Western Bryah Basin.

An 800m diamond drilling program is due to commence at Kingsley before the end of October, with rig mobilisation imminent. This program is co-funded up to \$75,000 through the WA Government Exploration Incentive Scheme. The purpose of the drilling is to further understand the controls on the mineralisation at Kingsley and to facilitate further metallurgical test work. It will also underpin the next round of RC drilling and contribute towards the estimation of a maiden JORC Mineral Resource Estimate.





Figure 1: Livingstone Gold Project, located 140km north-west of Meekatharra in the Bryah Basin region of WA.

Kingston Resources Managing Director, Andrew Corbett said: “Achieving average gold recoveries of 93.8% from preliminary metallurgical test work is an outstanding result. Kingsley has the trifecta of high grades in oxide, transitional and primary mineralisation, with this first-pass metallurgical test work indicating that each of these ore types is amenable to conventional cyanide extraction methods.

“Additionally, the regional structural mapping program being undertaken by Dr Greg Cameron is now nearing completion, with initial results already giving us a greater understanding of previously under-explored areas of the Western Bryah Basin.

“A diamond drilling program, supported by the Exploration Incentive Scheme, is due to commence at the Kingsley Prospect by the end of the month. This will further increase our geological knowledge at Kingsley, providing invaluable structural information on the orientation and controls on the mineralisation to help us more accurately target the next phase of RC drilling as we work towards the delivery of a maiden JORC compliant Mineral Resource.

“Kingston’s exploration program at Livingstone will run concurrently with the multi-faceted exploration program that is currently underway at our flagship 2.8Moz Misima Gold Project in Papua New Guinea.”

Table 1: Preliminary Accelerated Cyanide Leach LeachWELL™ - 85% passing 75µm

Mineralisation	Hole ID	Sample ID	From (m)	To (m)	Host Lithology	LeachWell Au (ppm)	LeachWell Au Residue (ppm)	Cyanide Recovery (pct)
Oxide	KLRC025	KRC016490	17	18	Upper Saprolite	1.74	0.09	95.08
Oxide	KLRC029	KRC017184	14	15	Upper Saprolite	2.95	0.16	94.86
Oxide	KLRC029	KRC017196	26	27	Upper Saprolite	3.39	0.15	95.76
Oxide	KLRC029	KRC017198	28	29	Upper Saprolite	5.21	0.22	95.95
Oxide	KLRC032	KRC019172	37	38	Upper Saprolite	2.08	0.05	97.65
Oxide	KLRC032	KRC019173	38	39	Upper Saprolite	7.68	0.23	97.09
Oxide	KLRC033	KRC019326	6	7	Calcrete	2.25	0.31	87.89
Average Recovery - Oxide								94.90
Transitional	KLRC025	KRC016574	95	96	Muscovite Chlorite Schist	0.38	0.03	92.68
Transitional	KLRC026	KRC016746	80	81	Muscovite Chlorite Schist	1.01	0.05	95.28
Transitional	KLRC028	KRC017143	101	102	Muscovite Chlorite Schist	0.79	0.03	96.34
Transitional	KLRC037	KRC019933	88	89	Muscovite Chlorite Schist	13.44	0.44	96.83
Transitional	KLRC037	KRC019934	89	90	Muscovite Chlorite Schist	1.22	0.04	96.83
Average Recovery - Transitional								95.59
Primary	KLRC027	KRC016982	125	126	Muscovite Chlorite Schist	8.99	1.03	89.72
Primary	KLRC030	KRC017425	100	101	Muscovite Chlorite Schist	0.87	0.05	94.57
Primary	KLRC030	KRC017426	101	102	Muscovite Chlorite Schist	2.07	0.13	94.09
Primary	KLRC035	KRC019651	150	151	Muscovite Chlorite Schist	0.63	0.16	79.75
Average Recovery - Primary								89.53

The samples were submitted to Intertek Genalysis in Perth. Pulps of the selected samples were re-ground and homogenised to 85% passing a 75µm screen. A 400g sub-sample was collected and subjected to an Accelerated Cyanide Leach LeachWELL™ test, with the LeachWELL™ residues further analysed by 25g Fire Assay. Cyanide Recovery percentage is calculated as $\text{LeachWell Au ppm} / (\text{LeachWell Au ppm} + \text{Residue Au ppm})$.

About Kingston Resources

Kingston Resources is a metals exploration company. Currently the Company’s priority is the world-class Misima Gold Project in PNG, which contains a JORC resource of 2.8Moz Au, a production history of over 3.7Moz and outstanding potential for additional resource growth through exploration success. Kingston currently owns 70% of the Misima Gold Project.

In addition, Kingston owns 75% of the Livingstone Gold Project in Western Australia.



KSN project locations.

Misima Mineral Resource

The Misima mineral resource estimate shown in Table A1 below was released in an ASX announcement on 27 November 2017. The resource estimate was compiled by Mr Scott McManus, who is an independent consultant to the Company. Further information relating to the resource is included within the original announcement.

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 Rechner BSc (Geology) MAIG, a Competent Person who is a member of the Australian Institute of Geoscientists. Mr Rechner is a Director of the Company. Mr Rechner 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 Rechner 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.