



Pani Gold Project



Location

Gorontalo province, Sulawesi, Indonesia

130km west of the city of Gorontalo, population 1.2m, North Sulawesi

5km by sealed road from Marisa to local village of Hele, then on recently built 10km dirt/gravel road to Pani Gold Project

IUP lease 1km x 1km

GSM CoW 14,570 ha/145.7km²



Licence – IUP	Expiry
IUP (PT PETS)	November 2032
IUPK Processing and Refining (PT PBT)	March 2039
IPPKH Forestry Permit (PT PETS)	September 2028

Ownership		
Post-unification	40%	Merdeka Copper Gold (IDX: MDKA)
	40%	J Resources (IDX: PSAB)
	20%	Lion Selection Group (ASX: LSX)
Status	Conditional agreement to merge two tenements, subject to conditions precedent/arbitration	

Pani History

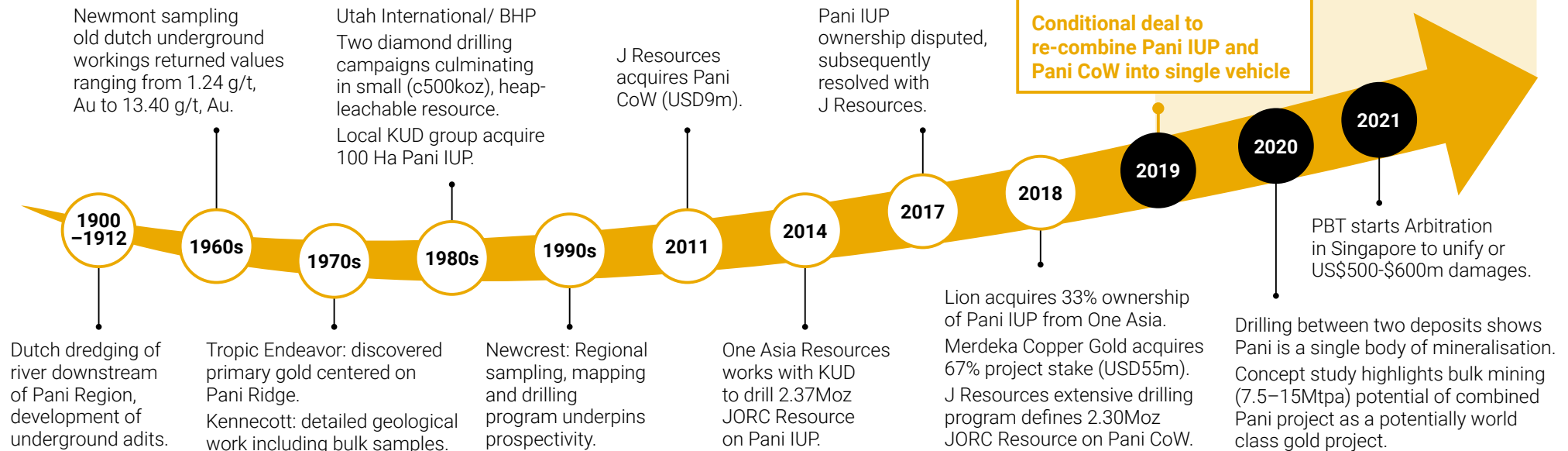
100+ year history of gold production / exploration; recent major discovery

First time in over 25 years
Pani licences have been held under
the same ownership

Highly Prospective with surface workings

Discovered

Consolidated
enables development



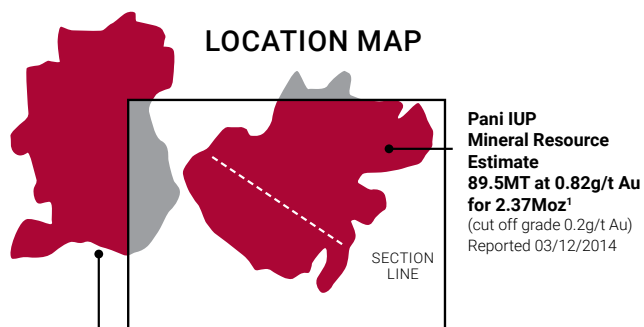
Category	Pani IUP (Lion 33.3%/Merdeka 66.7%) 0.2g/t cut off ¹			Contract of Work (J Resources 100%) 0.4g/t cut off ²		
	Tonnage (Mt)	Grade (g/t Au)	Contained Gold (Moz)	Tonnage (Mt)	Grade (g/t Au)	Contained Gold (Moz)
Measured	10.8	1.13	0.39	15.5	1.03	0.51
Indicated	62.4	0.81	1.63	41.3	0.98	1.31
Inferred	16.2	0.67	0.35	15.9	0.93	0.48
Total	89.5	0.82	2.37	72.7	0.98	2.30

- **Mineral resources for Pani IUP** were estimated as of December 2014.
- Refer to One Asia Resources Limited news release 3 December 2014, (<https://www.lionselection.com.au/wp-content/uploads/2018/08/PANI%20JORC%20RESOURCE.pdf>)
- Mineral resources for Pani IUP were estimated based on a database of drilling data from 137 DDH for 26,017m (excluding the Link Zone results).
- **Mineral resources for Pani CoW** were estimated as of December 2018 using a cut-off of 0.4 g/t Au.
- Refer to J Resources 31 December 2018 Annual Report, (<http://www.jresources.com/investors/article/final-resources-reserves-compilation-2017-to-2018>).
- A total of 684 drill holes (for 106,661m) constitute the drilling inventory in the database as per 15 November 2018 and were utilised for the December 2018 resource estimate.

Exploration & Upside

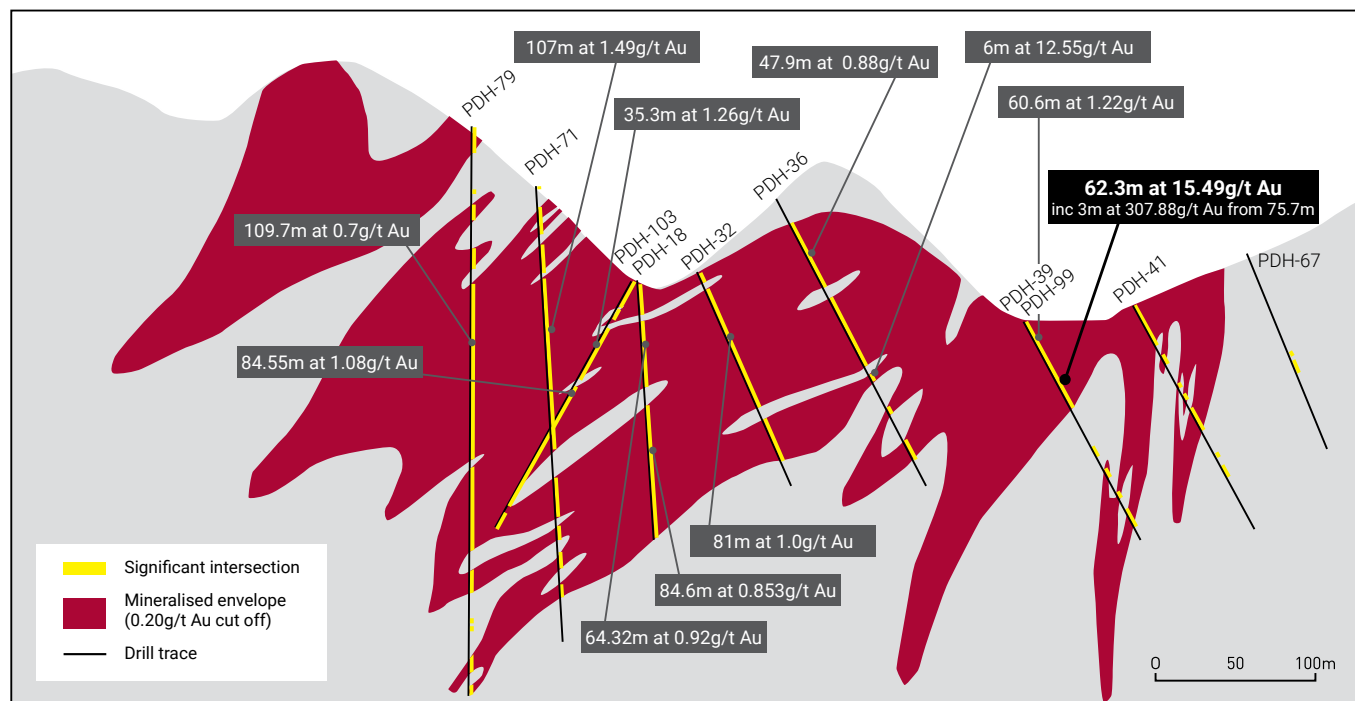
Pani has multi-million ounce potential beyond existing Resources

Mineralisation currently spans 1.5km x 0.8km



J Resources' CoW Mineral Resource Estimate
72.7MT at 0.98g/t Au for 2.30Moz²
 (cut off grade 0.4g/t Au)
 Reported 31/12/2018

Example Cross Section Pani IUP Resource



Geology

Regional location on North Sulawesi volcanic arc. Rhyodacite volcanic dome/ breccia complex, circa 3 million years old.

Dominantly oxide gold mineralisation in thick tabular bodies. Deeper un-oxidised mineralisation features gold in association with sulphides (mainly pyrite). Higher grade zones correspond with shear zones and tectonic breccias.

Mineralisation generally exhibits abundant free gold: high gravity gold recovery anticipated prior to conventional CIL.

Gold mineralisation extends continuously between the IUP and CoW in a single deposit, not yet closed off.

Highlighted example historic intersections from the Pani IUP include³:

PDH-99: 62.3m at 15.5g/t Au from 43m (inc 3m at 307.9g/t Au from 72.7m)	PDH-108: 46.8m at 3.9g/t Au from 92.5m (inc 15.5m at 6.5g/t Au from 118.6m)
PDH-34: 125.7m at 2.77g/t Au from 0m (inc 36.5m at 5.9g/t Au from 31.7m)	PDH-118: 109.2m at 1.63g/t Au from 0m
PDH-49: 134.8m at 2.2g/t Au from 0m (inc 14.1m at 12.6g/t Au from 96.6m)	PDH-83: 102.9m at 1.69g/t Au from 100.1m (inc 30.1m at 2.4g/t Au from 133.5m)
PDH-33: 97.2m at 2.58g/t Au from 0m (inc 27m at 5.9g/t Au from 24m)	PDH-71: 107m at 1.49g/t Au from 57.1m (inc 46.6m at 2.38g/t Au from 83m)
PDH-12: 124m at 1.5g/t Au from 0m	PDH-125: 105.5m at 1.47g/t Au from 3.5m (inc 29.7m at 2.94g/t Au from 53.3m)

Pani Gold Project looking south



Open to the South

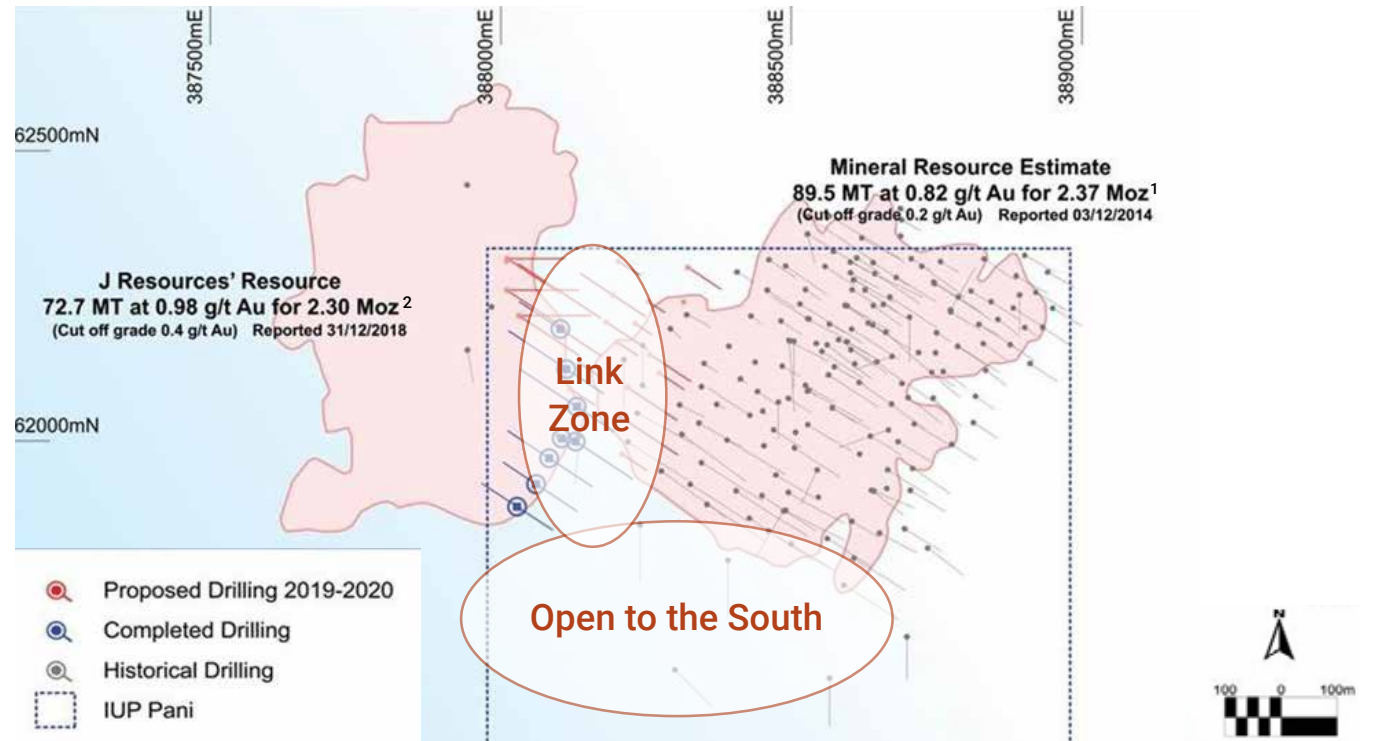
Recent geological cover obscures mineralised lithology in the south of the Pani IUP. Deposit remains open, intersections on most southern drill section of Pani IUP include:

PDH-61: 112.6m at 1.04g/t Au from 98.7m;

PDH-59: 56.45m at 0.98g/t Au from 119.9m;

PDH-62: 44.5m at 0.99g/t Au from 48.9m and 9m at 6.27g/t Au from 117.5m;

PDH-94: 19.4m at 2.22g/t Au from 184.8m.



Regional Upside

District Scale

Numerous targets within the Pani region – either associated with Ryodactite diatreme-domes (Pani analogue) or, more direct epithermal affinity (vein / breccia systems)

Link Zone

Two historical drill holes by BHP in 1982 confirmed the presence of mineralisation, including GPD-04: 406m at 0.5g/t Au.

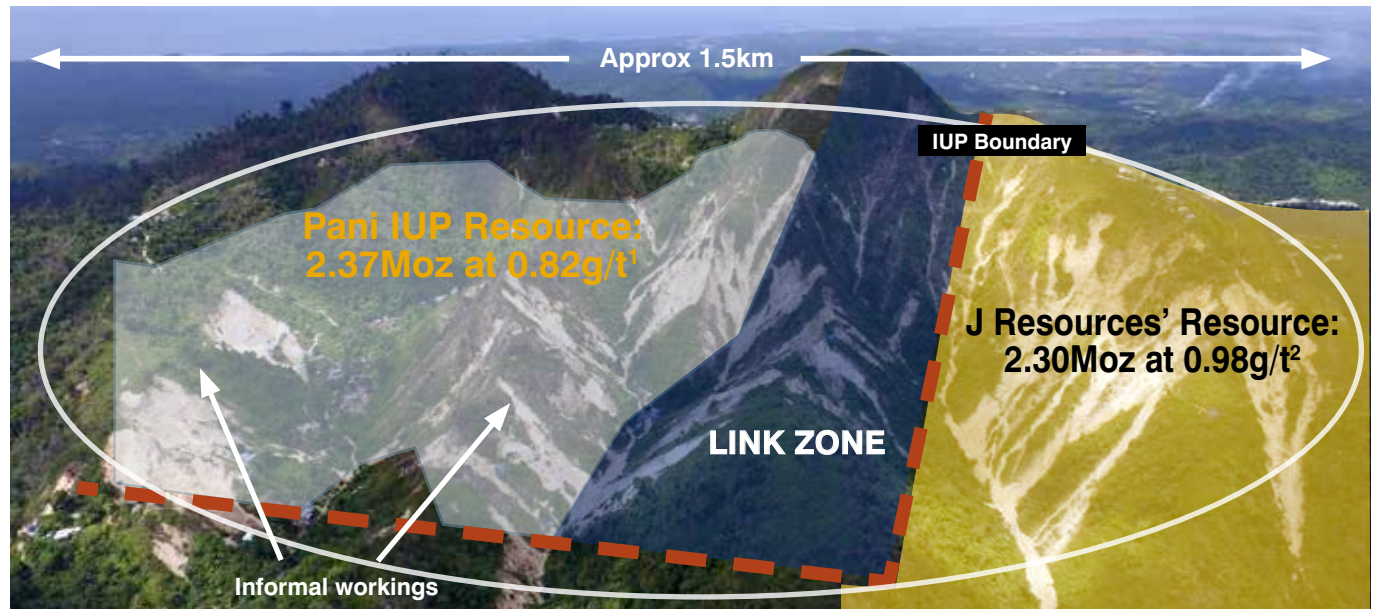
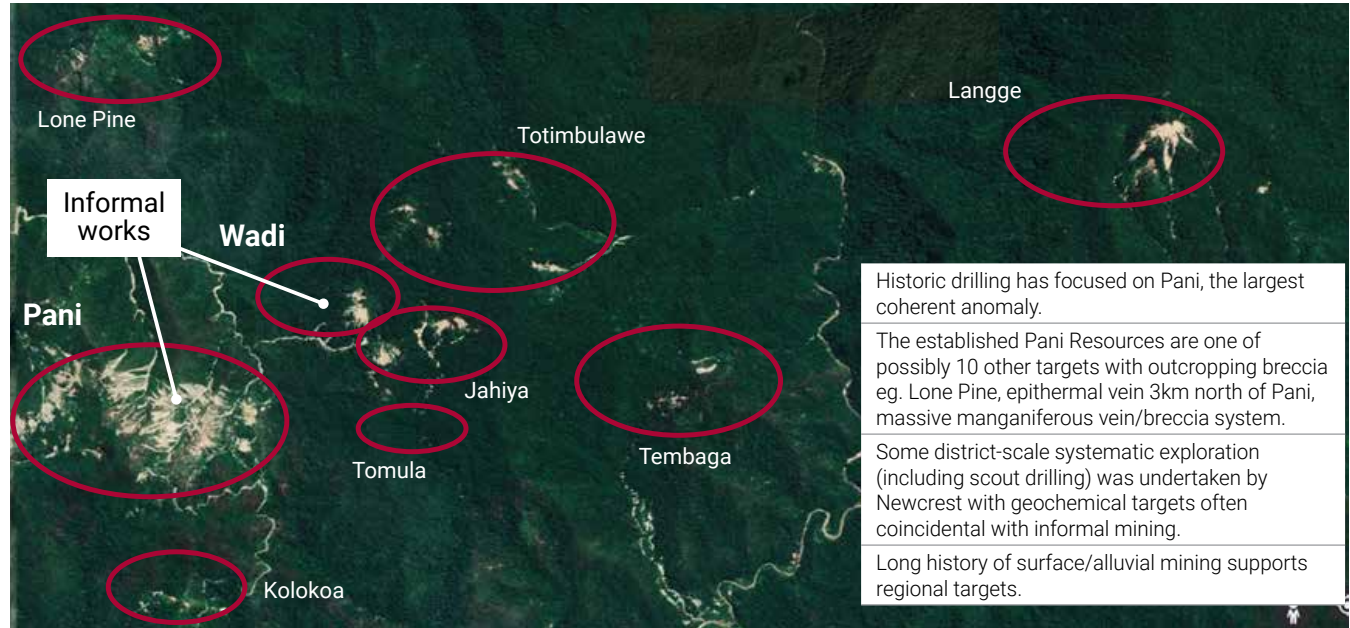
Preliminary assays received for 17 DDH for a total of 4,544m completed in August 2020.

All holes have intersected, and most ended in mineralisation, but hole length was limited by the capacity of the man portable drill rigs used.

This drilling suggests continuous gold mineralisation between the Pani IUP and surrounding CoW including some higher-grade intercepts.

Based on all the combined drilling between the IUP and CoW, Pani mineralisation may now span approximately 1.5km (east-west) x 0.8km (north-south).

Drilling was paused pending completion of the J Resources agreement to combine the two Pani tenements with a further extensive drill-out planned to determine the mineral endowment of the area.



Pani view looking south showing the approximate footprint of estimated Resources on the IUP and Contract of Work, as well as informal workings.

Technical Work

The Pani Joint Venture is currently undertaking key work streams towards a feasibility study for the Pani Gold Project, under technical management provided by Merdeka Copper and Gold.

Merdeka is a leading, Indonesian listed gold production company that has relevant recent experience in successfully developing the Tujuh Bukit Gold heap leach project.

Technical reviews have highlighted the presence of significant free gold associated with the mineralisation at Pani. It was therefore considered prudent to revisit certain elements of previous work programs underlying the 2014 Mineral Resource Estimate, including the sampling and assay procedures, definition of geological domains and metallurgical test work. This technical reassurance included re-logging of all diamond drill core and some re-assays of stored material from historical drilling.

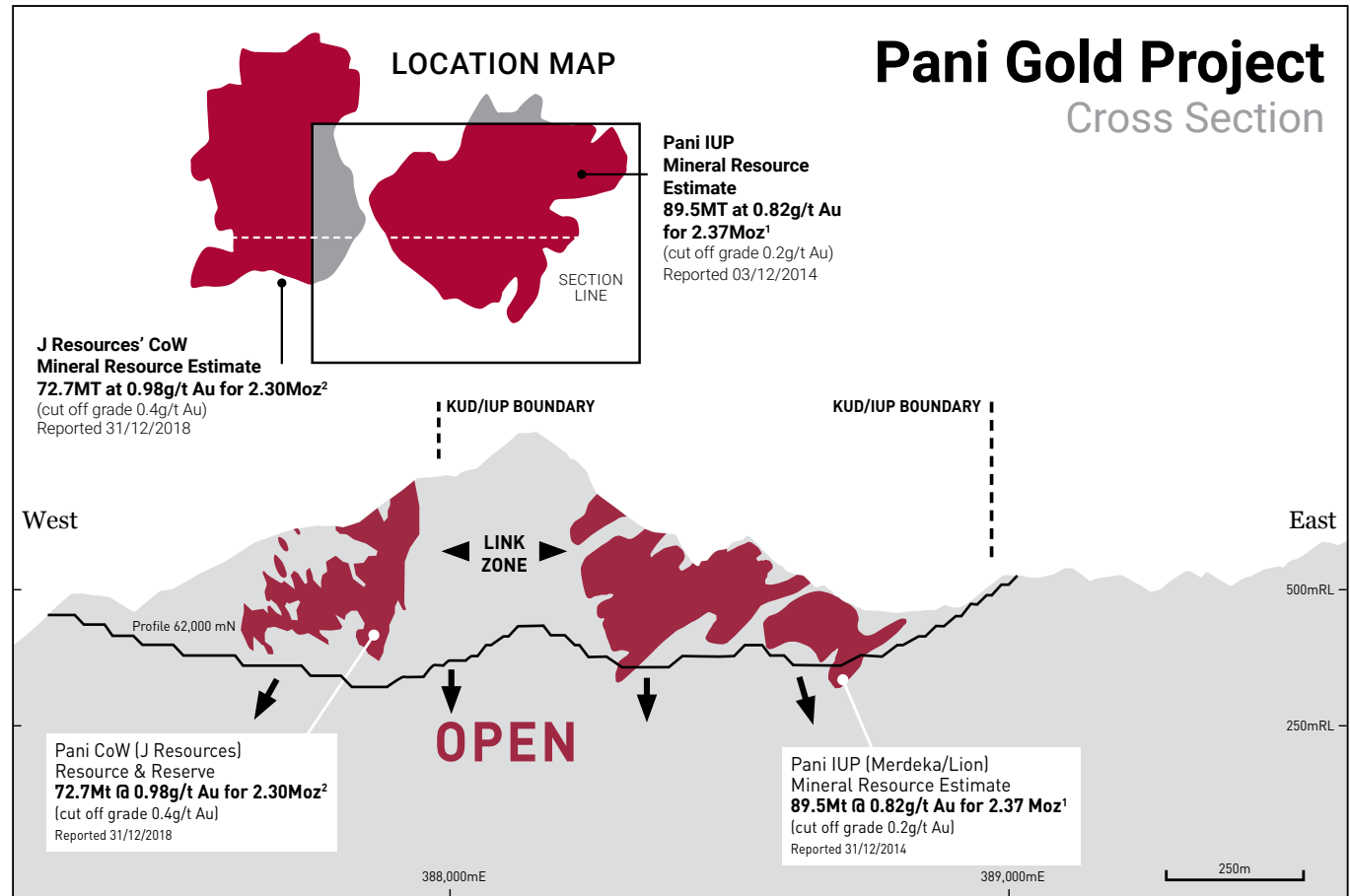
Mining

Open pit mining likely.

Processing

Large scale conventional CIL expected.

Pani Gold Project Cross Section



Pani Gold Project looking north

Notes

1. Refer to One Asia Resources Limited news release 3 December 2014, (https://www.oneasiareources.com/images/document/News_Release_Dec_3_2014.pdf).
2. Refer to J Resources 31 December 2018 Annual Report, (<http://www.jresources.com/investors/article/final-resources-reserves-compilation-2017-to-2018>).
3. Pani geological information extracted from One Asia Resources Technical Report, released in 2014 to support the Pani MRE: https://www.oneasiareources.com/images/document/Pani%20Mineral%20Resource%20Estimation%20Final%20by%20SRK%20122014_inc%20App%20A_F.pdf

