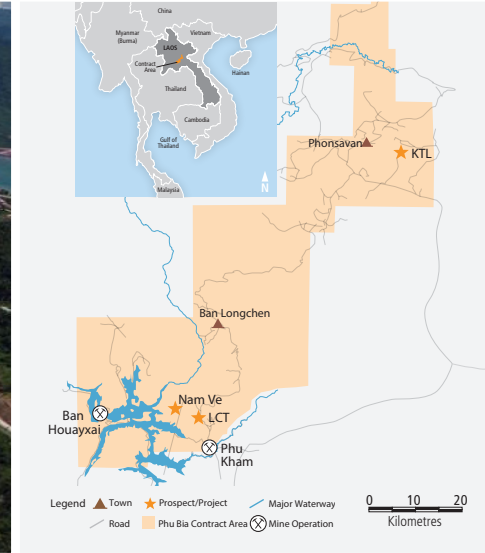


# PHU KHAM COPPER-GOLD OPERATION, LAOS



*The Phu Kham Copper-Gold Operation is located within PanAust's 2,600 square-kilometre Phu Bia Contract Area in northern Laos approximately 140 kilometres from the capital city, Vientiane. Phu Kham is PanAust's flagship Operation. The significant cash flow it generates has supported PanAust's growth.*

The Operation comprises an open-pit mine feeding ore to a process plant with recovery of copper and precious metals into a saleable concentrate using conventional flotation technology. The concentrate contains approximately 23 per cent copper and up to 6 grams per tonne (g/t) of gold and 47g/t of silver.

Eighty per cent of Phu Kham's concentrate is trucked in covered containers to the ports of Vung Ang or Hon La in Vietnam (each approximately 650 kilometres from Phu Kham). The remaining 20 per cent is trucked to the Sriracha Harbour in southern Thailand (approximately 1,000 kilometres from Phu Kham) for export to smelters mainly in Asia.

## 2019 PERFORMANCE

In 2019, the Operation produced 69,284 tonnes (t) of copper in concentrate. A total of 64,128 ounces (oz) and 377,017oz of gold and silver in concentrate respectively was produced.

The 2019 C1\* cost after precious metal credits was US\$1.19/lb copper. An all-in sustaining cost\*\* (AISC) of US\$1.73/lb copper was achieved.

Ex-pit material mined totalled 47 million tonnes (Mt) and included 16Mt of ore. Over 18Mt of ore was milled.

Copper recovery averaged a record 80.6 per cent. The average copper head grade was 0.47 per cent, with gold and silver head grades averaging 0.22 grams/t (g/t) and 1.61g/t respectively.

## AWARD WINNING OPERATIONS

In 2019, PanAust's Lao-registered Company, Phu Bia Mining received runner-up in the 'Best Practices in Sustainable Minerals Development - Metallic Mineral Processing' at the second annual ASEAN Minerals Awards gala event held in Bangkok, Thailand.

The ASEAN Minerals Awards recognise ASEAN mining companies who have made a significant contribution to the promotion of sustainable mineral development in the Asian region. Phu Bia Mining was acknowledged for its ongoing commitment to achieving best practice and maintaining high mineral processing standards at the Phu Kham Copper-Gold Operation.

### Photo captions: (L-R)

An aerial view of the Phu Kham Copper-Gold Operation open-pit

A map of PanAust's Phu Bia Contract Area in Laos; Phu Kham is in the south of the Contract Area

\* Brook Hunt convention for the reporting of direct costs comprising: mine site, product transportation and freight, treatment and refining charges and marketing costs; based on payable metal content after by-product credits

\*\* AISC reported are the C1 cost plus royalties, allocated corporate support charges, shared services costs, sustaining capital, lease principal and interest charges; and deferred mining and inventory adjustments capitalised