



WOODLARK (2.4Mtpa) GOLD PROJECT

SCOPE OF WORK

GR Engineering was issued a Letter of Intent in late 2019 for the Engineering, Procurement and Construction of the Woodlark (2.4Mtpa) Gold Process Plant and Infrastructure by GPR. The project schedule was impacted by COVID 19 and has progressed into a Front End Engineering and Design (FEED) phase while site access and construction planning is confirmed.

The site is located on Woodlark Island (locally known as Muiyuw Island), situated on the Northern margin of the Woodlark Basin, located approximately 600 km east of Port Moresby. The Woodlark process plant has an expected operational life of 15 years. The open pit mine uses truck and shovel processes in combination with a Gravity recovery and CIL circuits to achieve optimal gold recovery, whilst minimising operating costs.

The FEED scope of works comprises of engineering and design works for areas of priority including:

- Plant and infrastructure layouts and detailed modelling;
- Tailings pipeline;
- DSTP;

- Geotechnical;
- Bulk earthworks.

The current mine plan for Woodlark is ~ 28.9 Mt of Ore at 1.12g/t Au. The plant design has been based on a nominal capacity of 2.4 Mtpa of the Woodlark ore type through the processing plant, resulting in 967koz of Gold recovered.

The treatment plant design incorporates:

- Primary jaw crushing to produce a coarse crushed product;
- A SAB milling circuit comprising a SAG mill and a ball mill in closed circuit with hydrocyclones;
- Gravity gold recovery and treatment of concentrate by cyanidation and electrowinning;
- A CIL circuit to leach and adsorb gold onto carbon;
- An AARL elution circuit, electrowinning and gold smelting to doré;
- Dewatering of CIL tails slurry;
- Tailings slurry pumping via overland pipe to a deep sea tailings placement facility.

Commodity: Gold

Region: Australasia

Location: Papua New Guinea

Project type: FEED and GMP Contract

Client: GeoPacific Resources Limited (GPR) / Woodlark Gold Mining

Award date: March 2020

Completion date: August 2022 (scheduled)

Project manager: Matthew Wilson

Process manager: Brendan Mulvihill / Stephen Monk