

Boorara Gold Project

PFS and DFS for 1.5 Mtpa Gold Process Plant



Project

Boorara Gold Project

Location

Western Australia

Client

Horizon Minerals Limited

Scope

Pre-Feasibility Study and Definitive Feasibility Study

Description

Como Engineers were engaged to undertake a Pre Feasibility (PFS) and Definitive Feasibility Study (DFS) for the process design of a 1.5 Mtpa gold process plant and associated infrastructure.

The feasibility study scope of work included the following:

- Undertake Gap Analysis on metallurgical testwork, looking at different ore types and lithologies;
- Generate a Design Criteria for the treatment plant showing the different ore types;
- With inputs from mining for non-process flows generate an overall water balance for the site;
- Generate the equipment list including sizing, selection, and face plate power for the treatment plant;
- Generate the plant infrastructure requirements and costs
- Develop plant layout drawing and incorporate other areas to enable overall all site layout to be compiled i.e., mine, haul roads, tailings dam;
- Generate general arrangement drawings for the processing plant to be used as the basis of the plant estimate;
- Generate capital cost estimate for the processing facility to an accuracy of +/-15% with multiple sourced pricing and detailed MTOs.

