CASE STUDY

GYROSCOPIC SURVEY

WAIHI

CLIENT
OceanaGold Corporation

PROJECT DURATION
1 month

LOCATION
Waihi, New Zealand

GYROSCOPIC CHECK SURVEYS AT THE OCEANAGOLD CORPORATION, NEW ZEALAND, WAIHI UNDERGROUND PROJECT.

Land Surveys was engaged by OceanaGold Corporation to conduct Gyroscopic check surveys at their New Zealand, Waihi Underground Project. The Gyroscopic surveys were required to verify the azimuth of various declines and provide an independent check on the survey control network. The results from the Gyroscopic surveys would then be used in a least squares adjustment package, being used by the Survey Team at Waihi to supplement their control observations and provide further confidence in the quality of their underground control network.

Gyroscopic surveys are an important check on the bearing accuracy of any survey control network and when used in conjunction with good surveying practises and control, resurveys can give the mine operator confidence in the spatial accuracy of their underground operation.

The gyroscopic survey showed that the current survey practises of the Waihi Mine Surveying team is resulting in an accurate and robust survey control network throughout their underground operation. This has given the team confidence that any future planned development will be mined accurately and hit the planned targets.

Land Surveys was excited to work on this project with the Waihi team and see that with the right tools, procedures and survey practises put in place; a high standard of survey control network can be established and maintained.

Land Surveys