



This Update is a regular advertising feature provided by OceanaGold Waihi Operation

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PROJECT QUATTRO

Since acquiring the Waihi mining operations in 2015, OceanaGold has been committed to extending the life of mining in Waihi. We have invested in an extensive exploration programme and are currently developing a significant resource through Project Martha.

We are now proposing to further extend the life of mining in Waihi through the development of Project Quattro, which will integrate with the already-consented Project Martha.

Project Quattro has four main components.

- **Martha Open Pit Phase Five:** an expansion of the existing Martha pit.
- **Gladstone Open Pit:** a new, smaller pit to the west of the OceanaGold Waihi processing plant.
- **Tailings Storage:** increasing tailings storage capacity by constructing a new tailings storage facility (TSF3) immediately east of the current facilities, raising the height of tailings storage facility 1(TSF1A) and investigating additional storage options that may include disposal within Gladstone open pit.
- **Northern Rock Stack:** a new rock storage facility to the north of the current tailings storage facilities.

The technical studies for Project Quattro are ongoing. We will share more in-depth details of the proposed project as they become available. Community feedback will contribute to the final project design. If consented, Project Quattro has the potential to produce nearly 750,000 ounces of gold over a 14-year period, complementing the already consented Project Martha and extending the life of mining in Waihi to 2037.

Martha Open Pit PHASE FIVE

The Martha open pit had been successfully operated since 1987. A slip on the North Wall halted production in 2015. Recent exploration work has identified additional ore reserves in and below the pit floor that may provide the opportunity for mining to return to the Martha open pit. The Phase 5 development involves cutting back the Martha pit around its full circumference. The pit would generally be about 40 metres deeper, 160 metres longer and 80 metres wider than the existing Martha pit. Surface mining operations would be by conventional drill, blast, load, and haul methods.



Rock from the Martha pit would be conveyed, using the existing conveyor, to the rock and tailings loadout for construction of Tailings Storage Facility 3, the Northern Rock Stack or backfilling underground.

If approved, our construction and mining operations would be subject to strict consent conditions that will cover noise, dust, vibration, blasting times, and hours of operation.

There would need to be some realignments of a number of streets, and these have been designed to cause the least possible impact to traffic flow and road users. The Cambridge Road/Bulltown Road junction would need to be realigned, as would a section of Moresby Avenue and Savage Road. The top end of Martha and Haszard Streets would be closed.

The Phase 5 extensions would require the relocation of several existing town features. The Cornish Pumphouse would require a further relocation, other infrastructure to be relocated would include the Hauraki District Council 'housing for the elderly' flats, the 777C dump truck, 'Stargate' girth gear, Pit Rim Walkway, Rangatira statue, the Education Centre and some OceanaGold-owned residential properties. The proposed expansion of the pit will have an impact on the rear section of the PYE building. We are currently investigating the option of retaining the Moresby Avenue building façade and part of the saw-tooth roof line.

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Gladstone OPEN PIT

Recent exploration work has identified a new open pit mining opportunity in the Waihi area. As part of Project Quattro, OceanaGold Waihi will seek land use, and other consents for this pit on Company-owned land near our processing plant. The Gladstone Open Pit would be much smaller than Martha and will mine out parts of Gladstone Hill and Winner Hill.

Options for using this pit as a tailings storage facility are currently being investigated. If these do not eventuate, it is proposed that the pit will be rehabilitated by backfilling it to a profile that approximates the existing landform. We will share more in-depth details of the proposed options as they become available. Community feedback will contribute to the final project design.

The pit would have a depth of around 140 metres below the top of Gladstone Hill, and about half that below the foot of Gladstone Hill. The length of the pit would be around 600 metres. At its widest point, the pit would measure a little over 300 metres.



Proposed Gladstone pit would go to immediate left of Process Plant.

TAILINGS Storage

The current two Tailings Storage Facilities, TSF2 and TSF1A have insufficient capacity for the tailings volume from processing ore from the proposed Phase 5 Martha pit and Gladstone pit.

As part of Project Quattro, OceanaGold is proposing to construct a new tailings storage facility (TSF3) immediately east of the current facilities and raise the crest on TSF1A. Additional storage options are also being investigated that may include disposal using Gladstone pit. Once these investigations have concluded, we will consult and seek feedback on all the options.

We are proposing to lift the crest of TSF1A. Raising the crest of this impoundment would increase its storage capacity. This would allow tailings discharge into the current storage facilities for longer, including the construction period of TSF3.

The tailings embankment slopes would be progressively rehabilitated to pasture during construction. This involves applying a layer of subsoil material, followed by a layer of topsoil and then grass seed. The land would then be grazed by young cattle. Native trees and shrubs have been planted on various areas of TSF1A and TSF2. These plantings provide a food source and nesting sites for birds. Similar planting is planned for TSF3.

Once the deposit of tailings is complete, they continue to consolidate, and after a relatively short period of time, water quality in the tailings storage pond would reach a level suitable for direct discharge to the river. When the tailings impoundments are finally closed, they would be partially capped, leaving a wetland and small pond on the top. The pond outlet structures will allow fish passage from nearby waterways. The ponds would be able to support the range of aquatic life typically found in similar pond-like environments and wetlands.



Rehabilitation

We acknowledge that, if approved, Project Quattro, will result in unavoidable localised impacts on the environment. These will be mitigated in the long term through rehabilitation and remediation activities.

Rehabilitation proposals and concept plans were developed well before the commencement of construction for open pit mining in 1987. Those plans have been revised over time. In preparing these plans, the advice and skill of a large range of experts, including soil scientists, hydrologists, engineers, aquatic biology, and water quality specialists have been sought.

Project Quattro would be designed to ensure adequate resources for rehabilitation and mine closure are provided. Rehabilitation of disturbed areas would progress as areas become available and would be ongoing throughout the life of Project Quattro.



Northern ROCK STACK

Although much of the rock from the project can be used to construct TSF3, backfill Gladstone open pit and provide backfill for the underground operations, there will still be a surplus of rock that requires disposal in a separate stack; the proposed Northern Rock Stack.

The Northern Rock Stack would need to be consented to accommodate the life of mine production of surplus rock. It would sit directly north of Tailings Storage Facility 2 and have a footprint of approximately 35 hectares. It would be constructed to an approximate height of 85 metres above the natural topography.

The rock stack would be progressively rehabilitated to blend in with the surrounding area. On completion it would be grass-covered and become part of the surrounding farmland.



After mining ENDS

As part of Project Quattro we are making a commitment to work collaboratively with our local communities to create opportunities, build resilience and leave a positive, long-lasting legacy well beyond the mining life cycle.

All OceanaGold Waihi operations have closure plans in place that are reviewed annually; Project Quattro would be incorporated into these plans. In preparing this plan we will consult with our stakeholders in relation to economic impact, employment, post-closure environmental impacts, and public health and safety to ensure that what we propose will leave a positive legacy for the community.

Working TOGETHER

Before we can start any project of this size, we must obtain resource consents. Following a period of consultation and further investigation into the effects of the proposed project, and dependent on the results, we will lodge Resource Management Act applications with the Hauraki District Council and Waikato Regional Council. The consenting process will involve a publicly notified process that will require hearings where anyone will be able to have a say on the proposed project. We will keep you informed about where and how you can get involved.

Prior to applying for consent, we want to get the community's feedback on the proposed project. We will share details of the project with affected and interested stakeholders and provide opportunities for all parties to give feedback that will contribute to the final project design. Ultimately, we want the project to proactively contribute to the goals and aspirations of the community.

We welcome your input into developing Project Quattro. If you have an idea, concern, question or opinion, please get in touch.

For further INFORMATION

The Project Quattro Information Office in Seddon Street will have staff available to answer questions and listen to your views and ideas. You can also get copies of all our more detailed information brochures, and other project information here.

We will be holding public information sessions and would also be pleased to attend meetings of community groups, so we have a further opportunity to share and discuss the information we have available and listen to your views.

As always, our community engagement line **0800 WAIHIGOLD (0800 92 44 44)** is available seven days a week. More information can also be found on our website.

waihigold.co.nz