

# OceanaGold UPDATE

May 2023



## WHAT IS GOLD AND SILVER USED FOR?

Gold and silver have been used as both jewellery since around 4400BC and currencies or stores of value as far back as 550BC, and they continue to do so today. However, some of the most interesting (and ever increasing) uses for these materials is in complex electronics, medicine, nanoparticle applications, renewable energy generation, and even space technologies.

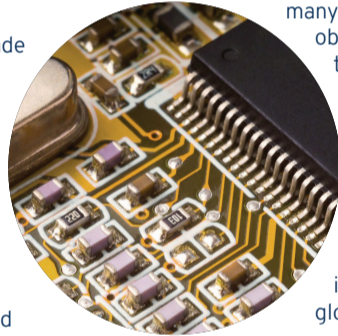
The OceanaGold Waihi operation is one of only a few large-scale gold and silver mines in the entire country. Despite this, gold was the single most valuable product exported from New Zealand to Australia (our second largest trading partner) in 2021, earning \$493 million dollars. Our Waihi operation also currently accounts for over 96% of New Zealand's entire silver output. In 2020, 44% of our total expenditure was spent at the local level, contributing over \$66 million to the area.

In the modern age, almost all of us directly or indirectly rely on gold and silver every day. Depending on how you're reading this, you're using them right now.

Silver has seen use in photography, medicine, jewellery, water purification, mirrors, industrial applications, and more recently in complex technology and renewable energy. Today, over half of the demand for silver comes from industry, and around 80% of the gold used in technology is in the electronics sector.

Practically every CPU or memory chip ever made relies on gold. Mobile phones, computers, and televisions depend on these chips, as do modern vehicles, ships and aircraft. These days it's harder to find any industry or aspect of day-to-day life that doesn't include gold or silver somewhere in its direct creation, supply chain, or standard operation.

Gold nanoparticles are used in the billions of rapid medical diagnostic test kits produced annually, including in the COVID-19 antigen and

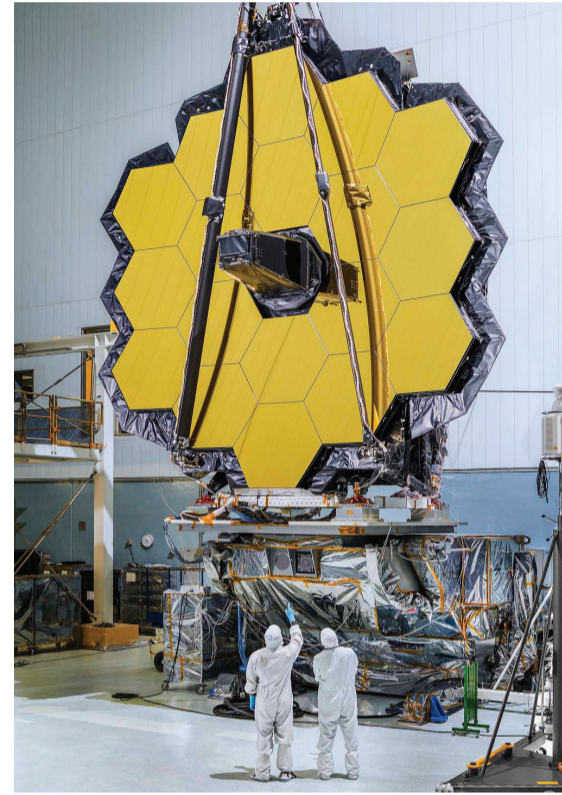


antibody tests. Gold electrodes are the key element of the billions of diabetes test kits used every year as well.

Silver's natural antibacterial properties see it used in medical devices such as artificial bones, bone scaffolding, catheters, ointments, and some disinfectants. It is also a critical component in the photovoltaic cells that most solar panels use to generate electricity and is used in electric vehicles and batteries. The future demand for renewable energy sources is only expected to increase as we transition to a low carbon future.

The James Webb Space Telescope (JWST) was launched in 2021 and is now the largest optical telescope in space. Its high resolution and sensitivity allow it to view objects too old, distant, or faint for the Hubble Space Telescope to detect. JWST's primary mirror consists of 18 hexagonal mirror segments made of gold-plated beryllium to provide infrared reflectivity. The JWST will enable investigations across many fields of astronomy and cosmology, such as observation of the first stars, the formation of the first galaxies, and detailed atmospheric characterisation of potentially habitable exoplanets.

We're proud of the work we do at our Waihi operation. As well as providing good, stable employment opportunities and supporting the communities we live in today, the production of gold and silver is a key element in both our current standard of living and the global transition to a low carbon tomorrow.



## THE WAIHI NORTH PROJECT

We continue to progress the technical studies in relation to our application for the Waihi North Project. A full consent documentation package was provided to both Hauraki District and Waikato Regional councils for their consideration and review in June 2022. This application was accepted as complete, and a 'Request for Information' has since been received.

In complex applications like this, once the application has been formally accepted, regulators often request additional information in specific areas once their technical experts have reviewed the application. Once we have responded to the information request and if regulators believe it addresses their request, they will make their decision on the notification of the application.

While the consent process continues, we have prepared a series of summary Fact Sheets about the project. Members of the public are also invited to call in to the Company's Project Office at 86 Seddon Street in Waihi.

Further information on the Waihi North Project may be found online: [www.waihinorth.info](http://www.waihinorth.info)



## INVESTING IN OUR HOST COMMUNITY

### SPONSORSHIPS AND DONATIONS APPROVED IN THE PREVIOUS MONTH

Whangamata Harbour Care - Pest trapping work	\$3,000.00
<b>TOTAL</b>	<b>\$3,000.00</b>



SPONSORSHIP APPLICATION FORM  
[www.waihigold.co.nz/sponsorship-donations](http://www.waihigold.co.nz/sponsorship-donations)



IF YOU HAVE ANY QUESTIONS OR CONCERNS, PLEASE CONTACT US.  
Community Engagement Line: 0800 924 444 | Project Information Office: 86 Seddon St., Waihi.  
Email us via our website: [www.waihigold.co.nz](http://www.waihigold.co.nz)

NOTE: WE ARE NOT CURRENTLY  
BLASTING IN THE MARTHA OPEN PIT.  
CHANGES TO THIS WILL BE NOTIFIED.