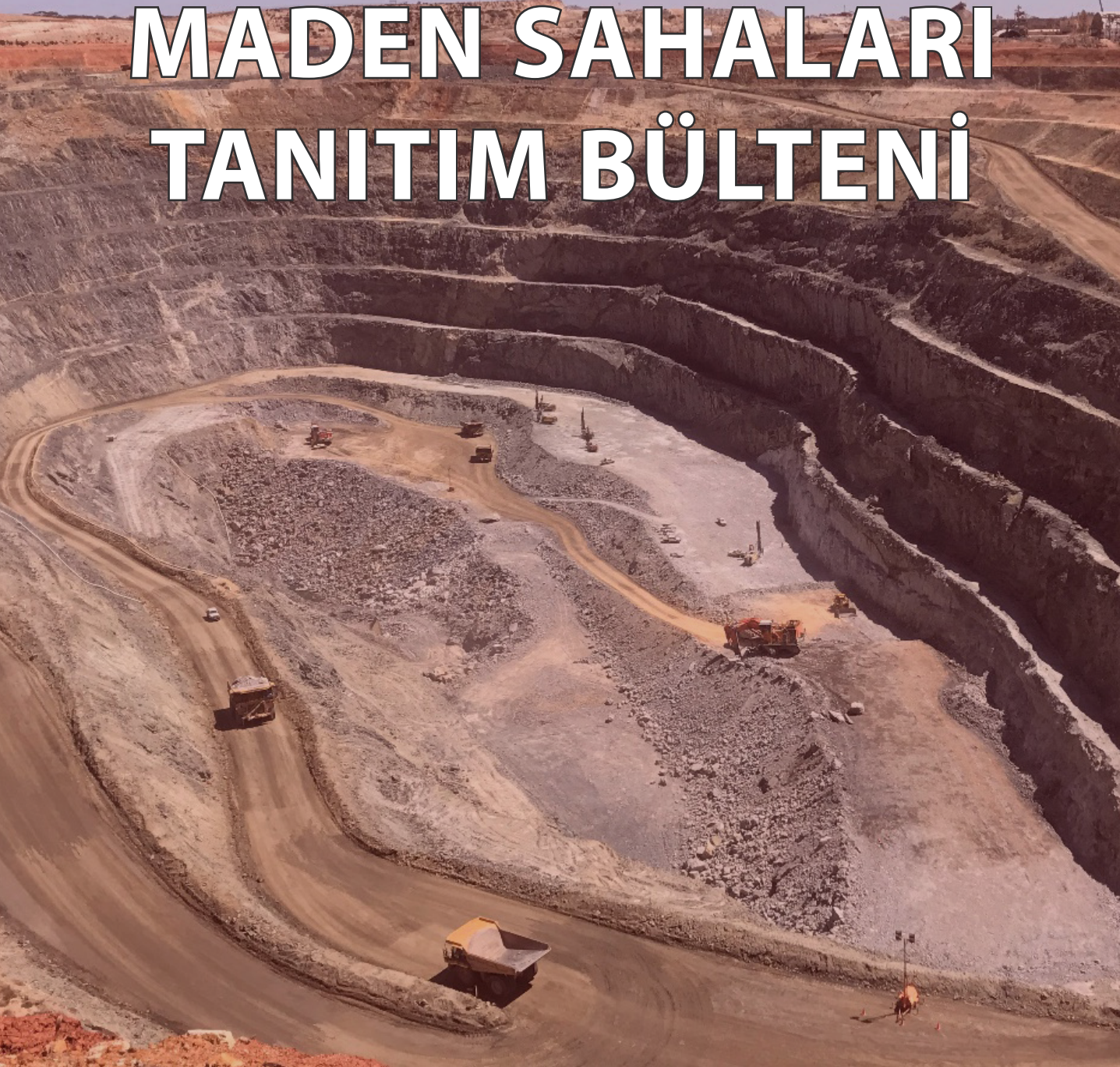


*Bulletin of Mining Concessions and Projects  
For National and International Investors*

# MADEN SAHALARI TANITIM BÜLTENİ



# Chatham Offshore Rock Phosphate and Rare Earth Minerals Opportunity (New Zealand)

Ref. No: B032

## Financing Opportunity

Chatham is presently seeking an investment of CAD 5.7 million by means of a private placement to

qualifying investors of 47.6 million shares at 12.5 cents per share

## Introduction

The mining permit area is 450 km east of Christchurch, at a depth of around 400 metres on the Chatham Rise and in New Zealand territory. Estimated resources are 23.4 million tonnes. Mining is scheduled to commence two years after obtaining Marine Consent. Chatham rock phosphate also contains 15 of the 17 rare earth minerals, including cerium, lanthanum, neodymium, praseodymium, yttrium, cobalt, rubidium, cesium, germanium, gallium, strontium, thallium

and tungsten. CRP's mining permit assumes an initial mine life of 15 years. CRP anticipates further sampling during this initial mining phase will quantify the extent of additional mineable reserves within the mining permit area. CRP's initial environmental permit application was among the first considered by the Environmental Protection Authority. It was declined in 2015 and CRP is currently planning to resubmit in Q4 2020.

## JORC Compliant Resources

\*Inferred Resources of 80 million tonnes at an average grade of 290 kg/m<sup>3</sup> for a contained 23.4 million tonnes of phosphorite

\*Additional exploration potential is in the order of 40 million m<sup>3</sup> with 8-12 Mt of contained phosphorite at grades

between 200 and 300 kg/m<sup>3</sup>

\*Further Independent research is being done to investigate the volume and recovery potential of rare earths and other valuable minerals in seafloor muds on the Rise.

## Outlines

\*Chatham Rock Phosphate (CRP) intends to be a major supplier of direct application (organic) phosphate to the NZ and global agricultural sector.

\*Company holds a granted mining permit, is stock exchange

listed in Canada, Germany and New Zealand and has 2,000 shareholders.

\*Forecast annual earnings of \$NZ 108m (\$CAD 94m) before royalties and tax



Figure 1. Location map of the project with nearest ports and major waterways

## Contact

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# Chatham Offshore Rock Phosphate and Rare Earth Minerals Opportunity (New Zealand)

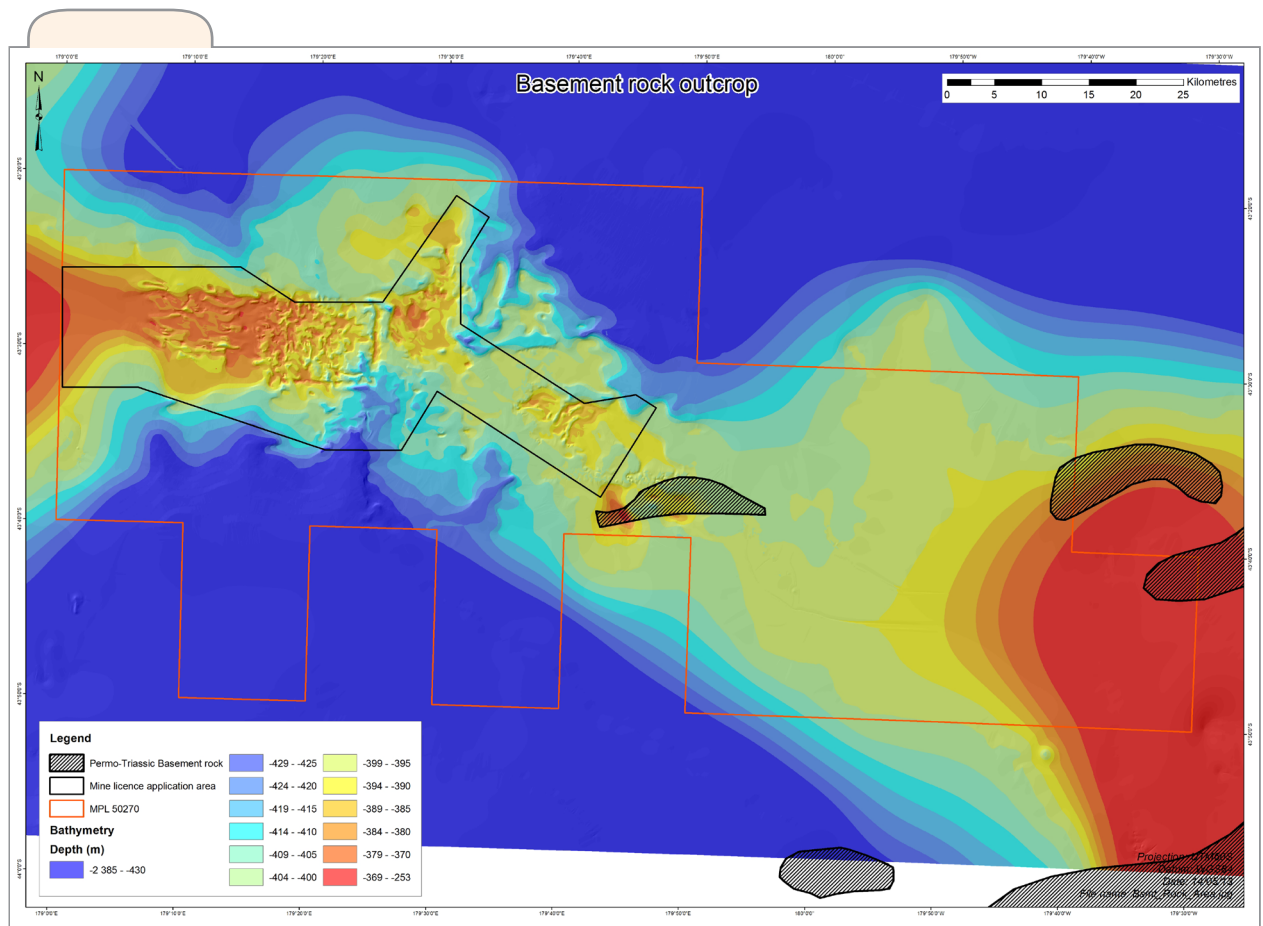


Figure 2. Lisence with bathymeter map and basement rock

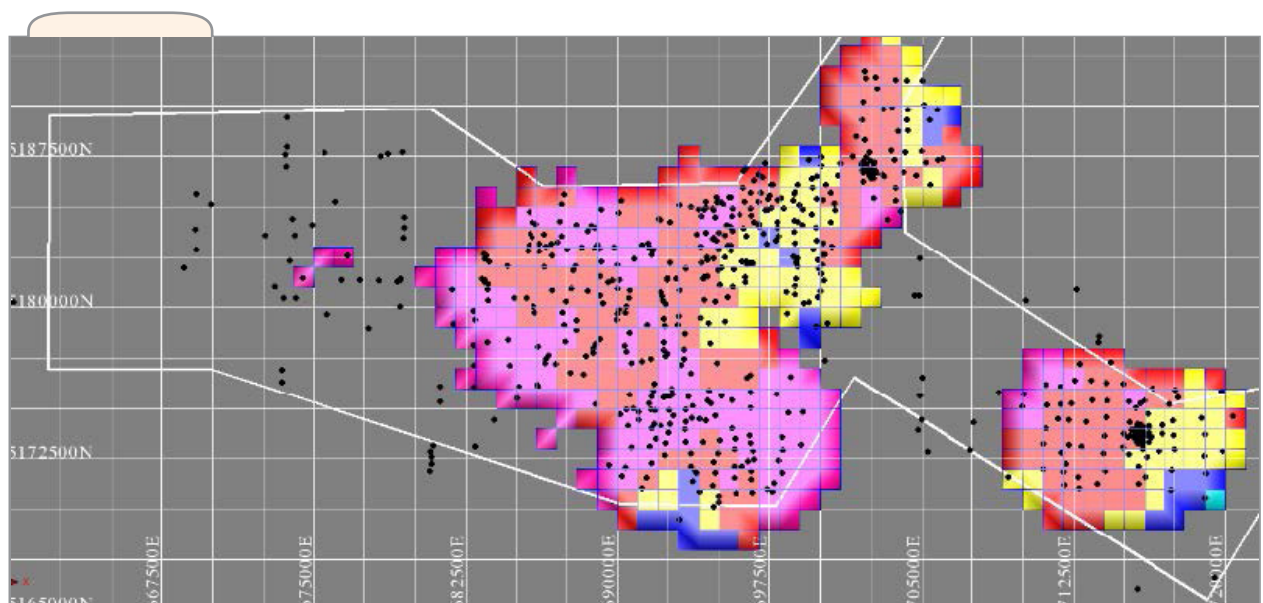


Figure 3. Inferred resource of 23.4 Mt, 100 kg/m³ cutoff with exploration potential additional 8-12 Mt (JORC compliant, RSC MME Ltd)

# Chatham Offshore Rock Phosphate and Rare Earth Minerals Opportunity (New Zealand)



Figure 4. Research Vessel “DORADO DISCOVERY” performed grab sampling, jet testing and all other necessary scientific surveys in the license area.

## Key Project Selling Points

- \*Chatham holds a 20 year mining permit over a 23.4 Mt phosphate deposit with a current weighted average market value per tonne of USD 166.
- \*The deposit will be contract mined by a dredging company so there is no development capital required
- \*Chatham phosphate rock is ultra-low in heavy metals such as cadmium and environmentally friendly being an authentic reactive phosphate rock.
- \*As such (although this is not assumed in our forecasts) the rock will, over time, likely trade at a premium for

environmental and food safety reasons.

- \*Project independently valued at \$US200m to \$US300m (\$C250m - \$C375m). Annual forecast pre-tax earnings are > 20 X the current market cap. Annual forecast earnings before tax - \$C 94 million (\$US 71m)
- \*Chatham is seeking to raise \$C2.25m in 2019 and \$C 2.7m in 2020.
- \*Project has also a considerable Rare Earth Potential to be developed.

## Contact

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