



Chatham

**Rock
Phosphate Ltd**

AGM Presentation

26 July 2016

Chatham

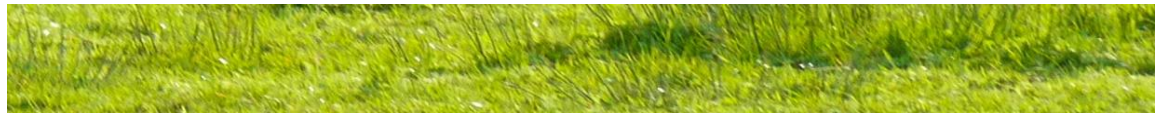
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Tonight's Presentation

- A quick refresher course about the project
- What we have already achieved
- Why this project is worth persevering with
- The Chatham 2016 game plan
- Why we are confident we'll be granted the environmental permit next time

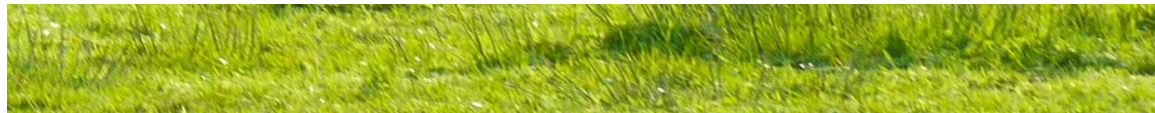


Chatham Rise Rock Phosphate – location

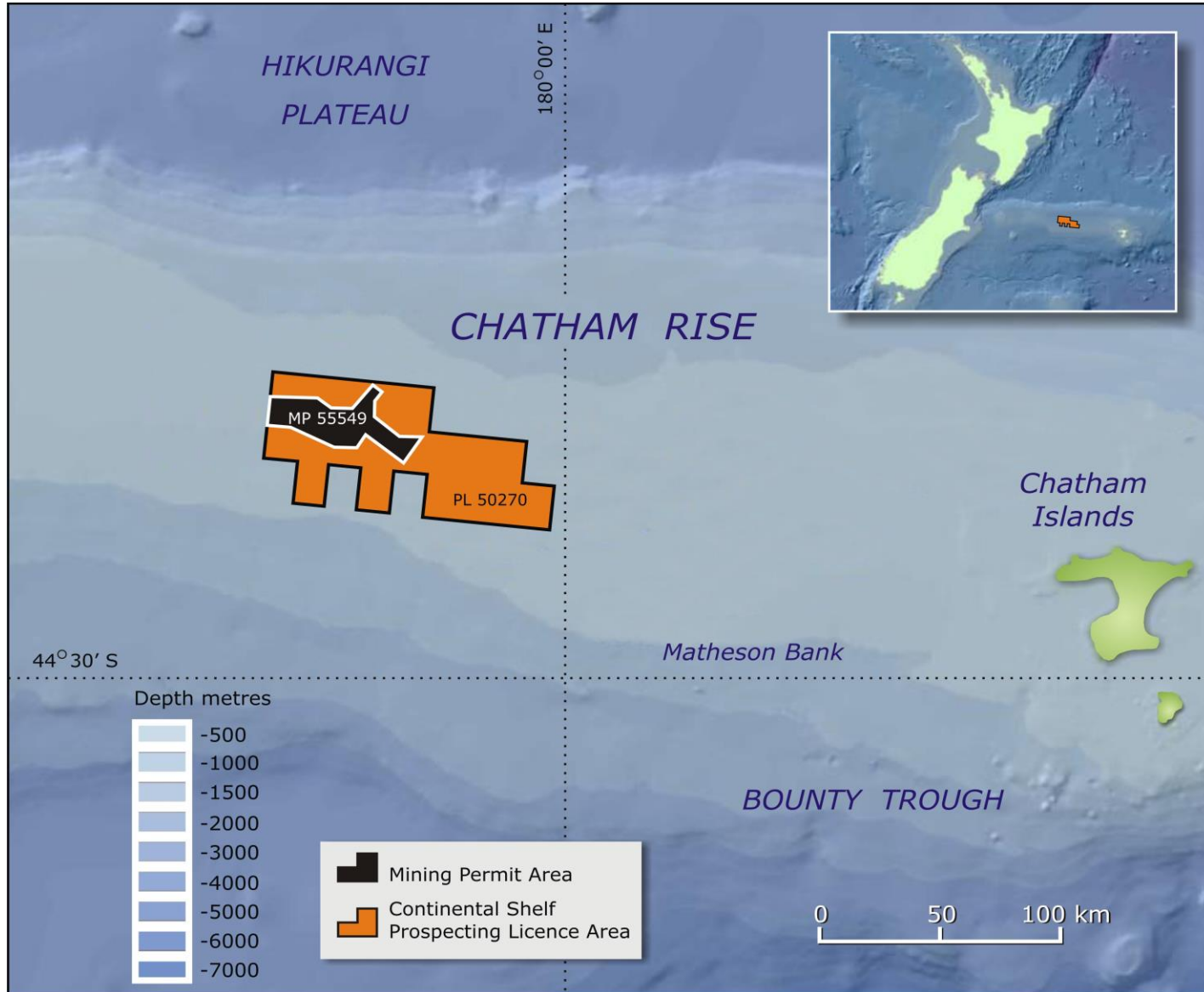


Chatham Rise Deposit Overview

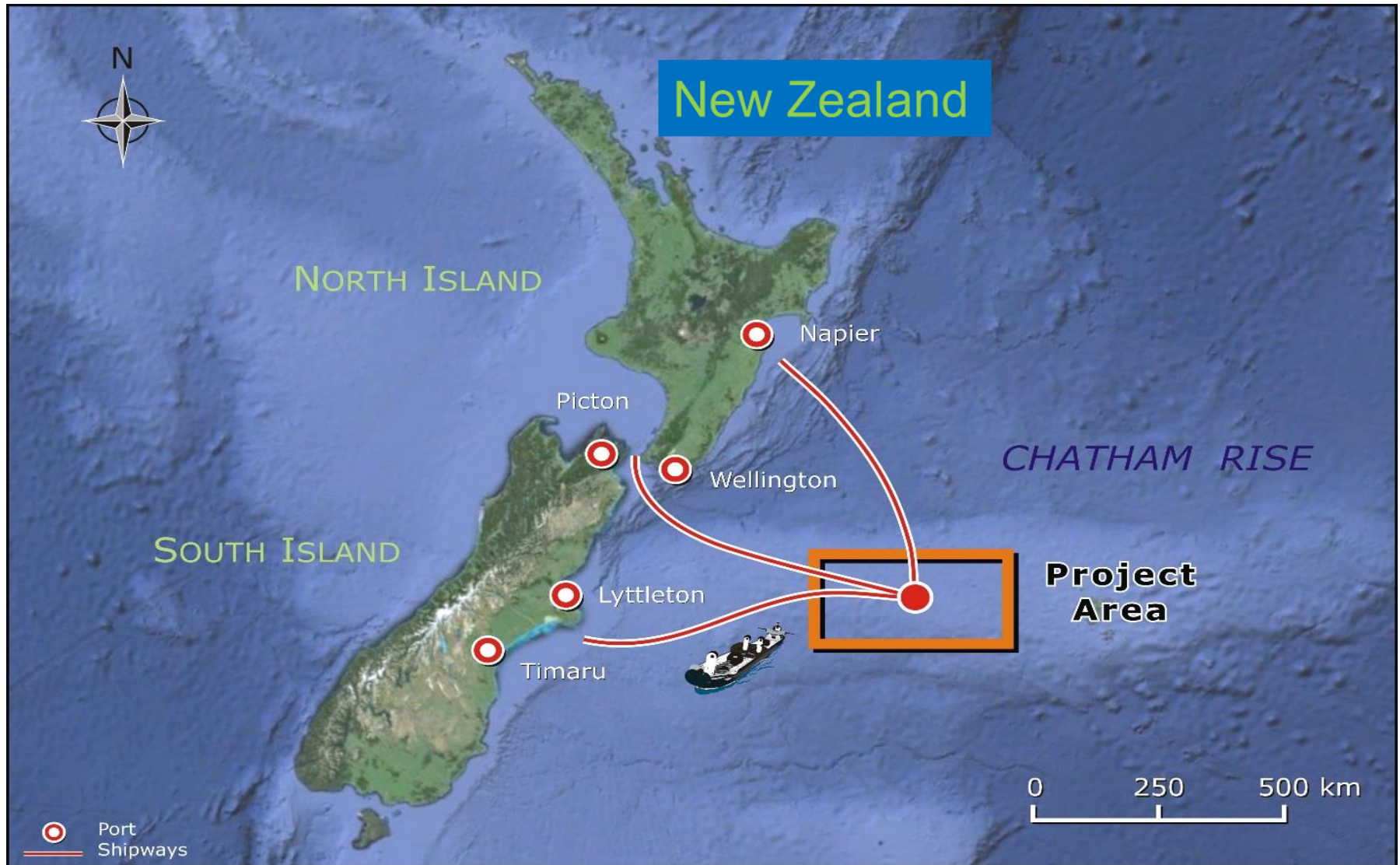
- Only significant rock phosphate deposit in NZ
- 450 km from NZ - 250 km from Chatham Is in 400m water
- Well defined from exploration since discovery in 1952
- Rock phosphate lies on the seabed layer of 0 - 1 m of sandy silt
- Average thickness of the resource - 0.30 m
- Nodule sizes of up to 1-150mm



Licences and Permits



Regional Port Access



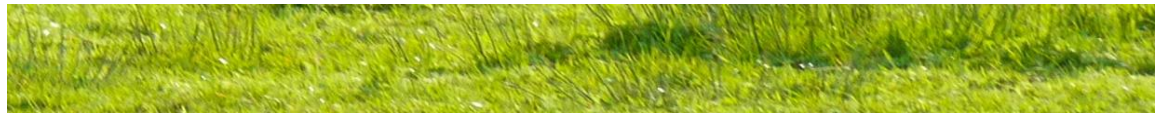
The business plan

Chatham aims to be the premier supplier of direct application phosphate to the New Zealand and global agricultural sector

We are passionate about the benefit of direct application fertiliser to sustainable farming and agricultural practices

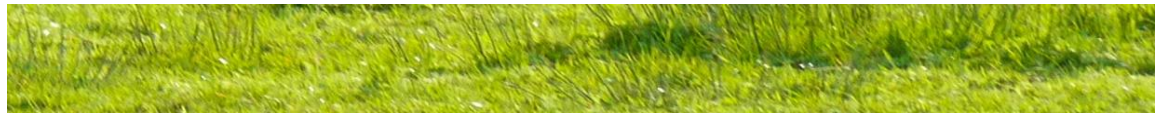
Our objectives remain to:

- Achieve consent of Chatham Rise project and develop the asset
- Diversify product mix with other reactive rock phosphate sources



What we already have

- An increasingly valuable, strategically located deposit with a market and a very strong competitive position – location, product characteristics, security of supply
- A well-defined and well-studied deposit with the knowledge acquired by spending +/- \$US66m in historic and current dollars
- A 20 year mining permit
- Feasibility studies by Boskalis who will contract mine for us
- A great management team



Why project is worth persevering with

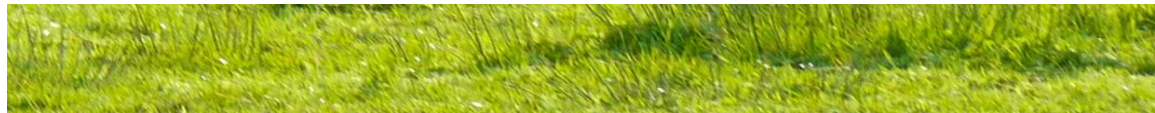


- Security of fertiliser supply for agricultural sector
- Environmental benefits including:
 - Much lower impact on lakes & rivers
 - Much lower cadmium
 - Much lower carbon footprint
- Highly profitable given location & low mining costs - even at present fertiliser prices
- Not a gamble based on assumptions about increasing fertiliser prices



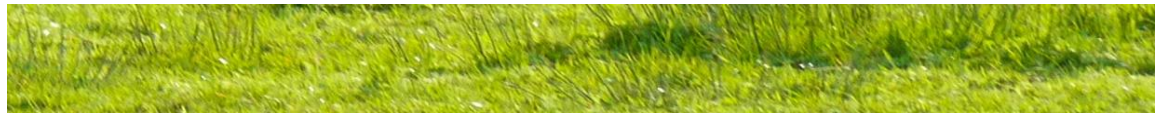
The 2015 game plan – from last AGM

- Environmental permitting: learn from decision for 2 objectives
 - 1) an even better submission next time and
 - 2) significant influence in government initiatives to fix up the process
- Raise just enough for work commitments & to keep team together but minimise dilution
- List on overseas market with more liquidity & access to capital
- Widen investor appeal by progressing other projects
- Phosphate trading
- Maintain Boskalis relationship
- Build support



Getting the environmental permit next time

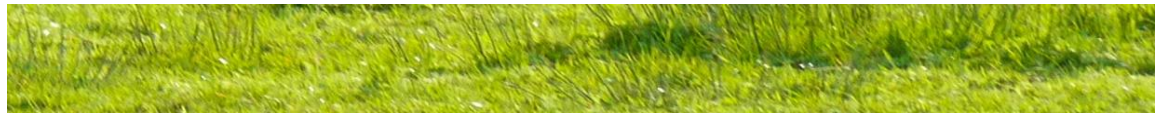
- We will fill in the gaps in the information
- We will communicate the science and environmental benefits more clearly
- We will demonstrate much wider support from key stakeholders
- Law changes will result in a better qualified decision makers and a less precipitate process
- We won't be the pioneer in the marine phosphate mining world (Namibia, Mexico) or even EEZ – (Trans Tasman Resources iron sands mining project will be permitted before we apply)



CRP rock phosphate strengths

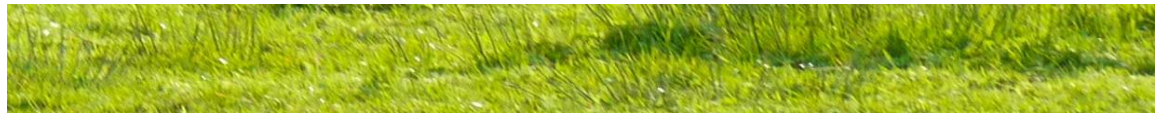
CRP rock will be sold unrefined to NZ and internationally

- One of the lowest cadmium concentrations of any rock
- Organic New Zealand origin product
- Reduces carbon footprint due to lower shipping distances
- Rock highly reactive & compares favourably with other phosphorite sources
- Significantly reduces pollution from run-off when used directly because of slower release



Why this appeals to international investors

- ✓ Strategic, multi-million tonne rock phosphate deposit
- ✓ Strong positive macro trends - increased use of phosphates
- ✓ Well positioned to access Asian & Australasian fertiliser market
- ✓ Mining operation to be outsourced
- ✓ Relationship established with large multi-national dredging contractor, to provide technological solution
- ✓ No significant capital expenditure expected by Company
- ✓ Production targeted to start in mid 2020



Value @ .6c? – yes, but we would say that...

- Priced at all-time low on assumption Chatham will either not get environmental permit next time or go broke
- Confident of permitting approval next time - retained staff & IP: the core attributes enabling all the progress since 2010
- Not a one-trick pony - 5 marine applications Namibia, researching other locations and players
- Entering phosphate trading market using team & contacts - no need to wait for Chatham deposit to be developed
- Well advanced with Toronto listing – will appeal to existing US shareholders, help fundraising





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APPENDICES

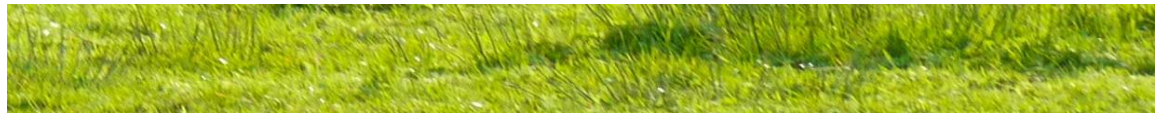
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Phosphate Products

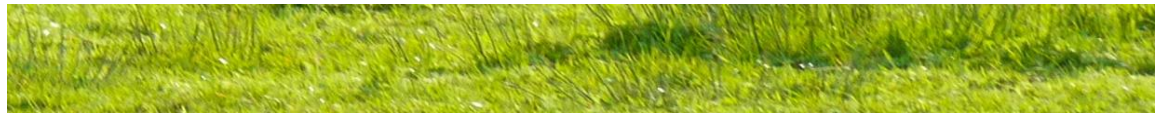
Important plant nutrient & raw material for fertilisers

- Direct Application: crushed & spread on soil, effectiveness dependent on grade of phosphorite & presence of (toxic) elements such as cadmium
- Single Super Phosphate: results from reaction of rock phosphate & sulphuric acid - one of cheapest, most common forms of phosphate fertiliser
- Dicalcic Phosphate: blend of super phosphate slurried with lime or rock phosphate & cured, used for pasture & cropping
- Predominately mined in Morocco, Western Sahara, China, Russia, US
- Biggest growth in consumption in Asia



Licences Held

Licence	Type	Area Km2	Ownership	Expiry
MPL 55549	Mining permit	820	100%	Dec 2033
MPL 50270	Prospecting licence	3905	100%	Feb 2014 (expired)
MPL 50270	Prospecting licence	2887	100%	Renewal application made Dec 2013

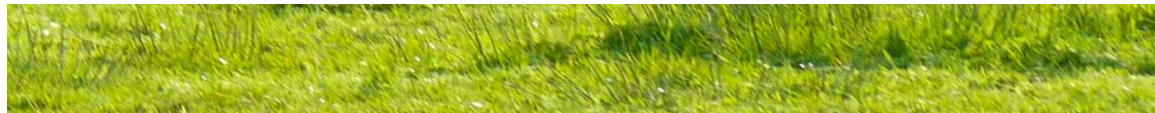


Mining Permit Area Resource

Category*	Volume (m ³ millions)	Grade Ph kg/m ³	Contained Ph Mt
Measured	-	-	-
Indicated	-	-	-
Inferred	80	290	23.4
Total*	80	290	23.4

- Significant Exploration Upside to extend Mineral Resources within MP 55549
- +/- 40 Mt with 8 - 12 Mt contained phosphorite at 200 - 300 kg/m³

**Source: Competent Person R. Sterk, MSc, MAusIMM, MAIG. Mineral Resource reported in accordance with the JORC Code 2012*

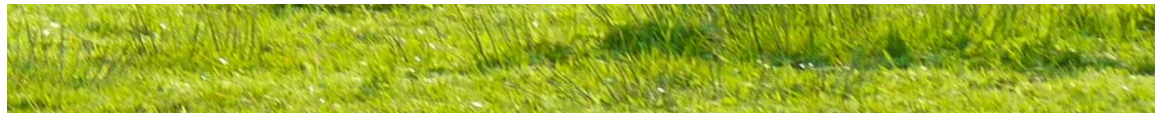


Mining Operations

- Mining permit granted in December 2013
- Environmental Consent expected mid 2016
- Expects to contract with a mining operator by H2 2016
- Production targeted to start in 2019
- Targeting 1.5 Mt p.a.

Assumptions

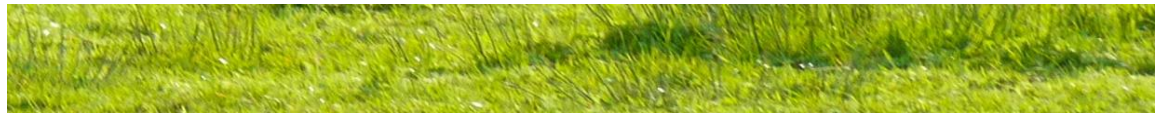
- One dredging vessel with a load capacity of 50,000 tonnes
- 12 day cycle - 1 day to mining site, 3 days mining, 1 day to port, 3 days unloading, 4 days allowance for weather and maintenance downtime
- 30 cycles per year



Preferred Contractor - Boskalis

- Provides services globally for dredging, earth moving, maritime infrastructure services
- Fleet of 1,000+ vessels, 10,000 employees across 75 countries
- Operating since 1910 & listed on Dutch Stock Exchange
- Working with Chatham since 2011 to develop conceptual mining designs
- Chatham's preferred contractor for mining operator
- Active in environmental permitting process

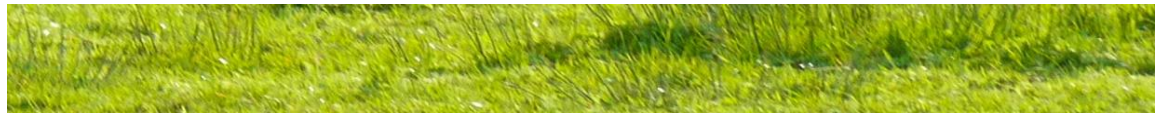
Sources: www.boskalis.com and www.aex.nl



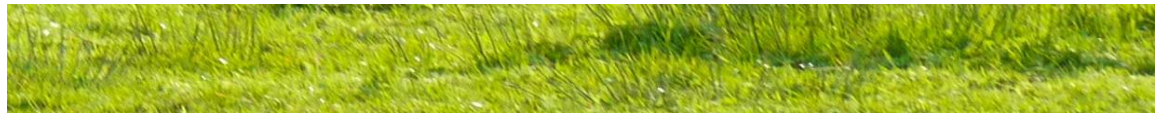
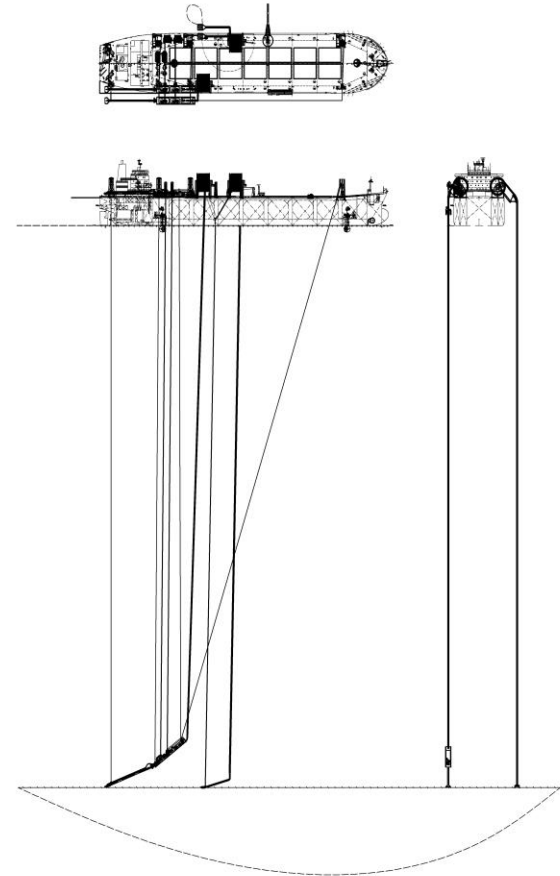
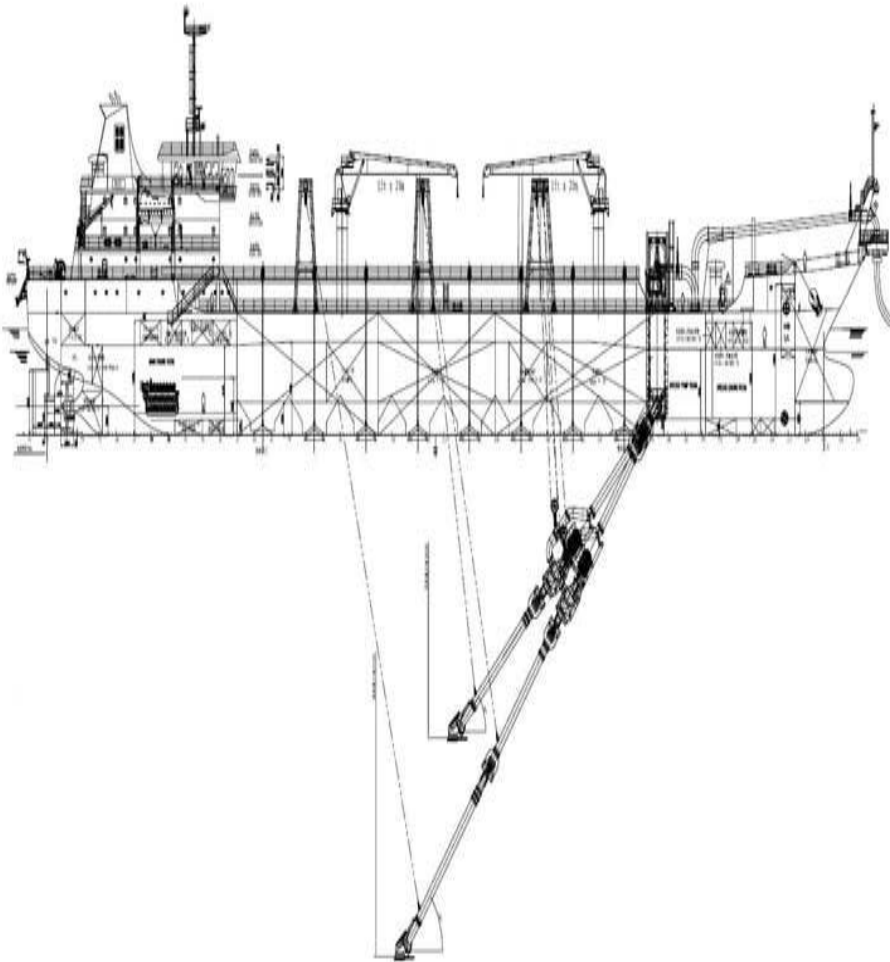
Boskalis Group



235m Conventional Trailing Suction Hopper Dredge

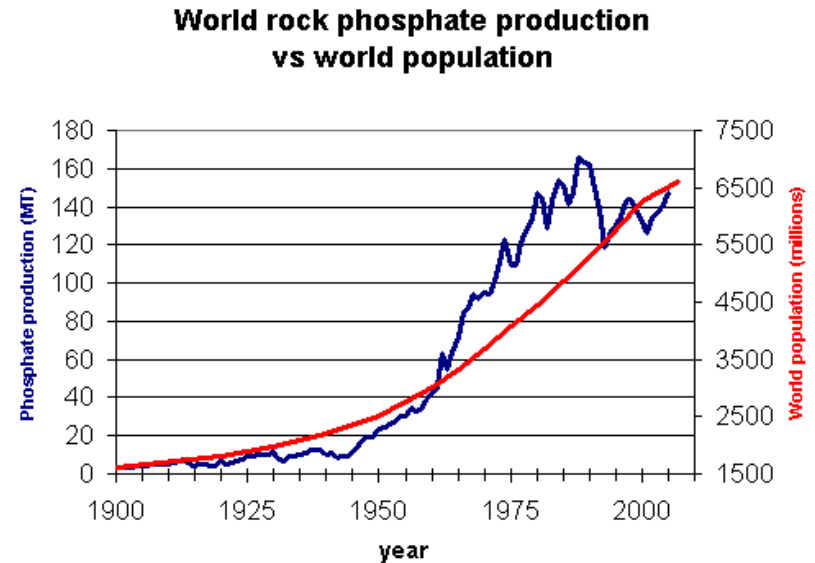


Chatham Traditional\Conceptual Designs



Key Demand Drivers

- Ever increasing population requires greater land productivity
- Global growth – estimated 70% more food production by 2050
- Growing affluence & demand for protein rich foods requires 10x more fertiliser



Source: Prof Petter Jensen, University
Biotechnology & Environment, Oslo



Target markets

NZ imports +/- 890,000 tonnes phosphate mainly from Morocco
Favourably located to service growing Asian economies

Country	Fertiliser imports (\$USm)
India	6,162
Brazil	4,943
Malaysia	1,538
Indonesia	1,403
Australia	1,195
Argentina	940
Pakistan	648

Source: Imports of fertilisers in USD (2010), www.indexmundi.com



Expected uses of capital raised

Expense	Cost (NZD \$m)	Cost (USDm)
12 month environmental consent pre-submission costs, plus costs of TSX.V RTO	1.4	1.0
Estimated costs of 2016 environmental consent hearing	5.0	3.8
Costs to 2016-19* to get to production start (to be raised through TSX.V related fundraising programme)	20.0	15.0
TOTAL	26.4	19.8

Allows for development of other marine phosphate projects



Board of Directors

Robert Goodden (ACSM 1st Class Mining Engineering & Geology), Chairman - Robert is a member of the Company's technical advisory team. He chairs Subsea Minerals and develops business opportunities in marine mining off the coast of Namibia. He was previously on the advisory board for Nautilus Minerals and founded Seacore Limited a marine drilling and construction specialist, in 1976 and ran the company for 30 years. Robert is based in the UK.

Chris Castle (BCA, ACA, CFIP), Chief Executive Officer and Managing Director - Chris is a chartered accountant with nearly 40 years' experience in investment and corporate finance. He was a founding director of Spectrum Resources and Premier Mining Securities and has held directorships in 10 NZX listed companies. Chris's investment sector experience includes Brierley Investments and the Regina Confections/Charter Corporation group. He established Aorere in 1989 and from 1999 until February 2010 managed Aorere on a full time basis. He is also a non-executive director of TSX-V listed Asian Mineral Resources.

Robin Falconer (PhD, BSc-Hons, BSc) - Robin has more than 36 years' experience in geosphere, atmosphere, and ocean science surveys and research. As Principal Scientist, he provides input on the practical and management aspects of marine operations. He is a member of the guiding committee of GEBCO, the joint International Hydrographic Organization and UNESCO Intergovernmental Oceanographic Commission Organisation coordinating world ocean bathymetry mapping. Robin has worked on offshore exploration projects for gold, chromites and phosphate.

Linda Sanders (Dip Journalism) - Linda has almost 40 years of experience as a communications executive and journalist and provides investor and stakeholder relations, marketing and communications management to the Company, which is important for the marine consent process. Linda has extensive board governance experience and has been a director of Aorere since 1989 and retired as its chairman in 2012.

Jill Hatchwell (BCA, ACA) - Jill has an extensive background in financial and corporate management, including roles as company secretary and executive director of Charter Corporation, Aorere and group accountant at Brierley Investments. Jill is a member of the Institute of Directors in New Zealand and is an Associate Chartered Accountant.



Senior Management

Ray Wood, Chief Operating Officer - Ray is a geophysicist with more than 30 years of experience interpreting data from the New Zealand region. He has published numerous articles on the geology, tectonics and resources of New Zealand's marine territory. Ray has had extensive experience using geographic information systems to interpret and model geological and other data, including analysis of the impact of trawling on the sea floor.

Robyn Hamilton, Chief Financial Officer - Robyn has been the Chief Financial Officer of Chatham Rock Phosphate since its formation. She is a Chartered Accountant with almost 20 years of commercial experience. She has worked as a Chartered Accountant in New Zealand and Australia and brings a range of expertise in the areas of due diligence, internal control, corporate governance, international financial reporting and statutory compliance. She is a member of the New Zealand Institute of Chartered Accountants and Governance Institute of Australia. Robyn has an extensive background in junior oil and gas and mining listed companies.

Najib Moutia, Vice President, Strategy and Marketing - Najib, who has a Masters degree in chemical engineering, recently retired from a 30 year career at the Office Chérifien des Phosphates (OCP) in Morocco, the world's largest producer of phosphates. Najib's role is to provide business-development and technical services to Chatham Rock Phosphate.

Campbell McKenzie - Vice President Technical Services - Campbell is an exploration geologist who has worked in the minerals industry for twenty years. He has held upper management roles with mineral sector consultancies, government and industry. He is currently the CEO of business development consultancy Kenex Ltd, and provides support across CRP's business including exploration planning, stakeholder and environmental management, and corporate affairs.



Profit Forecast

Annual	\$USm	\$NZm
Sales revenue	188	262
Earnings before royalties and tax	69	96
Royalties	7	10
Annual earnings before tax	62	86
Over 15-year project life		
Sales	2814	3918
Earnings before royalties and tax	1038	1446
Royalties	104	145
Earnings before tax	935	1301
Current market capitalisation	1.4	2.0

