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LTD

Sri Lanka High Grade Mineral Sands

Corporate Presentation

Q4 2019

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Competent Persons Statement

This presentation contains references to ASX announcements dated 11 February 2019, 12 August 2019, 18 September 2019, 24 September 2019 and 27 September 2019, of exploration results and other technical comments which have been reviewed and compiled by James Searle BSc (hons), PhD, a Competent Person who is a Member of the Australian Institute of Mining and Metallurgy, with over 37 years of experience in metallic and energy minerals exploration and development, and as such has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration as a Competent Person as defined in the 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. Dr Searle is the Managing Director of Titanium Sands Limited and consents to the inclusion of this technical information in the format and context in which it appears.

The Company confirms that it is not aware of any new information or data that materially affect the information included in the relevant market announcements and, in the case of estimates of the Proposed Tenure Acquisition or the Company’s existing Mineral Resources that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply with respect to the resource block model and total heavy mineral content and have not materially changed. The Company confirms that the form and context in which the Competent Persons’ findings are presented have not been materially modified from the relevant original market announcements

COMPANY OVERVIEW

Actively targeting and developing high grade, low cost heavy mineral sand deposits in Sri Lanka

CORPORATE SNAPSHOT

ASX Code	TSL	Options on issue at \$0.05 (exp. 18/1/21)	30.00m
Shares on Issue	635.31m	Options on issue at \$0.021 (exp. 25/1/21)	14.28m
Market capitalisation (as 30/9/19 at \$0.022 per share)	AUD\$13.98m	Outstanding performance shares	166.67m

TOP 20 SHAREHOLDERS – 69.37% | TOP 50 SHAREHOLDERS – 82.84%

DIRECTORS



**LEE
CHRISTENSEN**
NON-EXECUTIVE
CHAIRMAN

A lawyer and former senior partner at both Dentons and Gadens in Perth, specialising in dispute resolution, insolvency and restructures.



**JAMES
SEARLE**
MANAGING
DIRECTOR

34 years of experience in base metals, precious metals and mineral sand deposits. He has led successful exploration, project development and operational teams in Australia, Africa, Northern Europe, and Central Asia.



**JASON
FERRIS**
NON-EXECUTIVE
DIRECTOR

An experienced ASX company director with 20 years' background in corporate, property and investment finance sectors.

INVESTMENT HIGHLIGHTS



High Grade JORC Resource

JORC Inferred Resource of **53.08MT @ 6.66% THM** from low-cost drilling program, plus additional acquisition target of 31.92Mt @ 7.45% ***taking total on completion of acquisition to 85Mt @ 6.96%***.



Clear Strategy to Further Upgrade Resource

Further resource infill and extension drilling already completed with additional drilling program continuing.



Ongoing Drilling

Drilling at depth and lateral extensions identify HMS to depths of 12m providing scope for further JORC updates.



Completion of Acquisition Target

Subject to shareholder approval, completion of the acquisition will expand the Mannar Island Project to 204km²



Fast-Track to Production

Potential to be in production by CY2020 with low CAPEX, proximity to existing infrastructure (power, water and rail adjacent to the Project), access to skilled labour, attractive in-country fiscal incentives and a clear pathway to obtain mining approvals.



Attractive Mining Jurisdiction with Chinese Offtake Potential

Sri Lanka forms part of China's 'One Belt, One Road' trade route with Chinese interests controlling 70% of the recently completed A\$1.3 billion Hambantota Port connecting the Company with Chinese plants hungry for offtake to satisfy excess capacity.



Offtake Partners

In discussion with a number of offtake partners.



Scoping study

Underway, anticipated completion in early 2020

PROJECT SUMMARY

Mannar Project – Development Potential

Country

Sri Lanka is a stable democratic nation of ~21m people. Very supportive of foreign investment and favourable tax regime with project 100% owned.

Infrastructure

Access to existing railway, road, power and water infrastructure, and near shipping ports of Trincomalee and Colombo.

Project Area

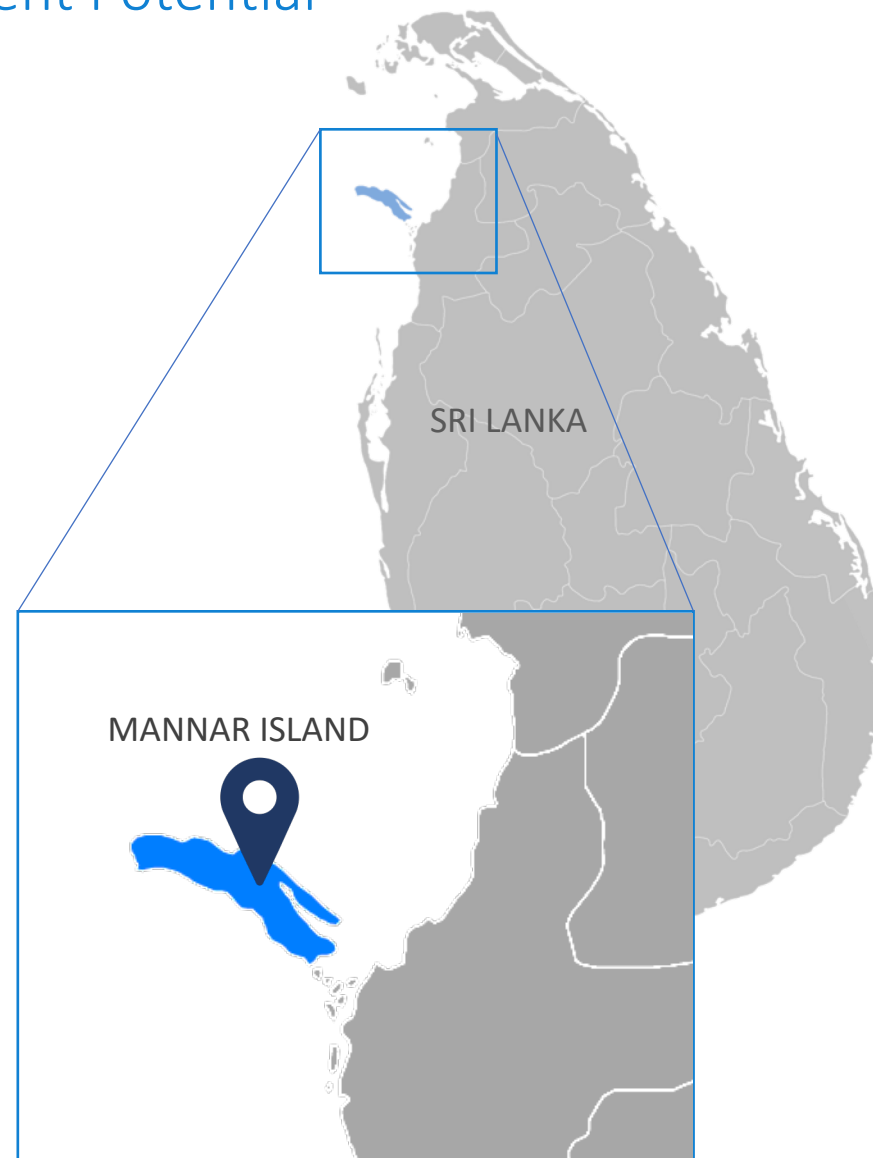
The Sri Lankan Project comprises 5 exploration licences covering 166km² and is prospective for heavy mineral sands. The acquisition target will increase the tenure area to 204km² with 4 additional exploration licences.

Mineralisation

Historic exploration provides evidence that the ocean currents off Sri Lanka transport the heavy mineral fractions and deposit and concentrate the minerals in the sediments as 'placer mineralisation'.

Potential

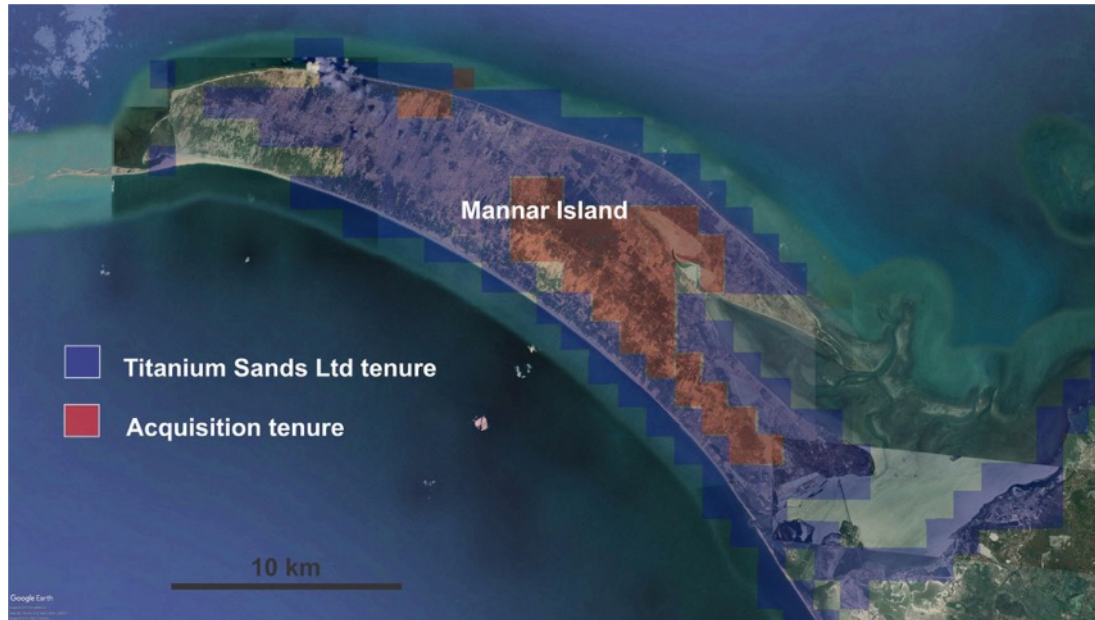
Simple low impact mining and treatment process with easy access to major global customers.



MANNAR ISLAND PROJECT

Primary Tenements

Mannar Island showing location of the tenement package



- EL's in Sri Lanka are granted for 2 years and may be extended for an additional four 2 year periods.
- Royalty rate in Sri Lanka for industrial minerals is 4%/5% if not exported/exported.
- Confirmed JORC Inferred Resource of 53.08MT at 6.7%THM reported on 22 April 2019.
- The resource drilling has defined an extensive area of heavy mineral sands up to 2.5km wide and 15km long.

Block model inferred mineral resource at a 2% total heavy mineral cut off

Domain		Vol (Mm ³)	Tonnes (M)	THM %	VHM %	Silt %	Oversize %
0	Sub total	5.91	10.33	11.86	7.44	2.10	8.41
1	Sub total	17.85	31.42	4.35	2.56	0.93	4.03
2	Sub total	5.66	9.85	9.06	5.72	0.80	21.43
3	Sub total	0.65	1.48	3.55	2.14	0.40	0.65
Total		30.27	53.08	6.66	4.09	1.12	8.02

Note: Domain 0 in the table represents the inferred mineral resources previously reported in full to the ASX on the 11th of February 2019

NEW ACQUISITION

Exploration Expansion

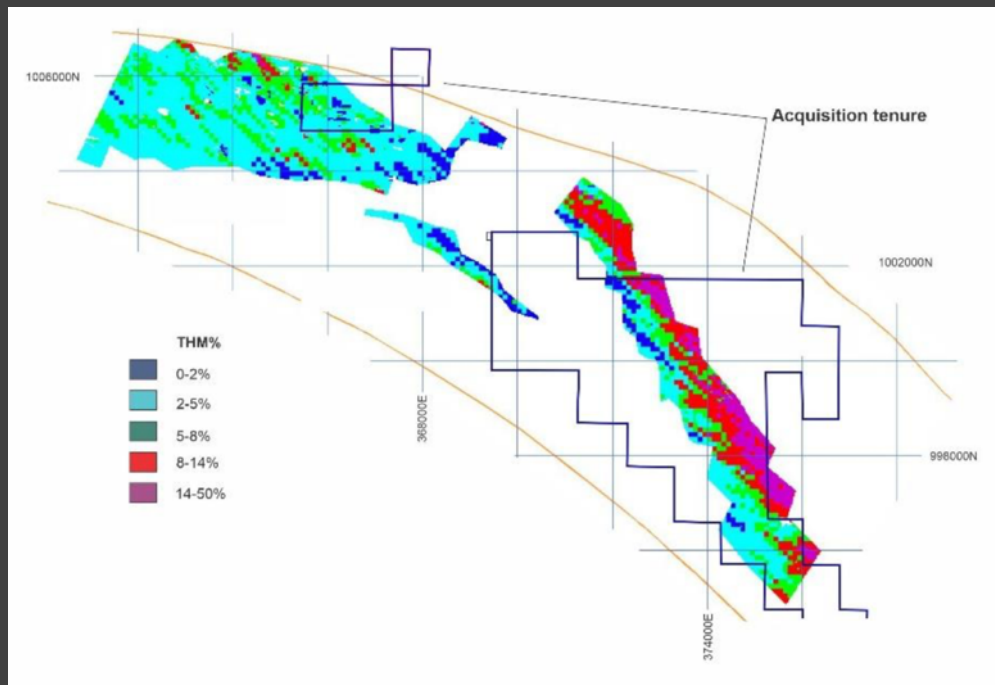
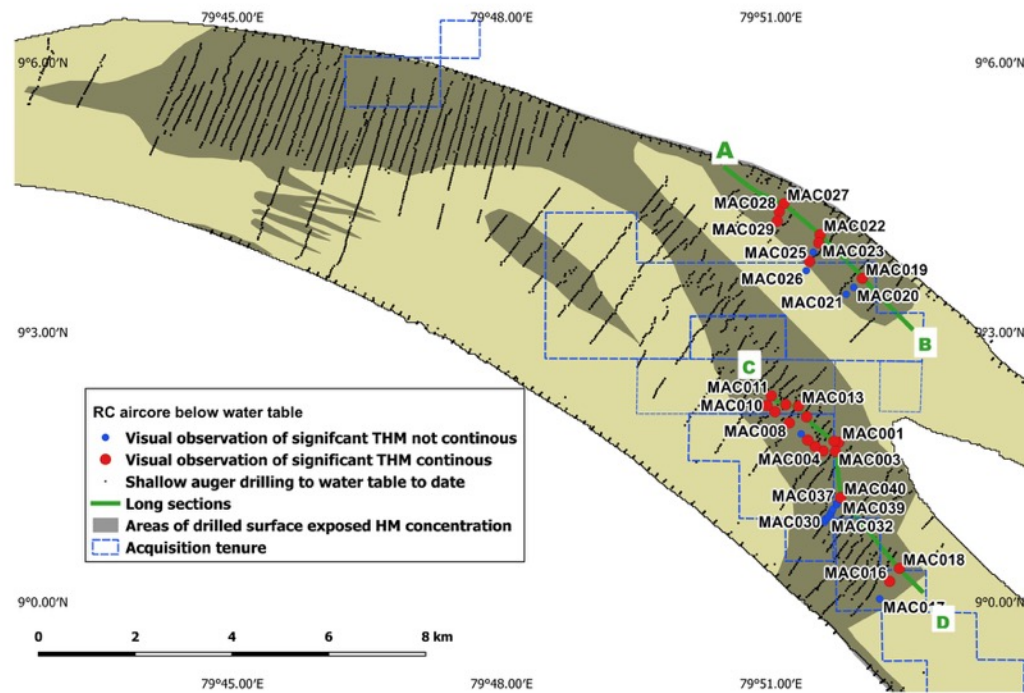


Figure 1 Combined model of resource blocks for the acquisition tenure and the Company tenure

- Acquisition target located adjacent to the current Mannar Island Project is a substantive 38km² tenure package, with 4 exploration licences.
- The tenure to be acquired has drill intercepts from 362 holes defining high grade heavy mineral sands in a continuous zone 7km long and 1 to 1.5km wide.
- 32Mt @ 7.45% JORC Resource determined.
- RC aircore drilling at depth has identified HMS extensions to 12m.

PROJECT DRILLING

Clear strategy resulted in Significant Resource Upgrade

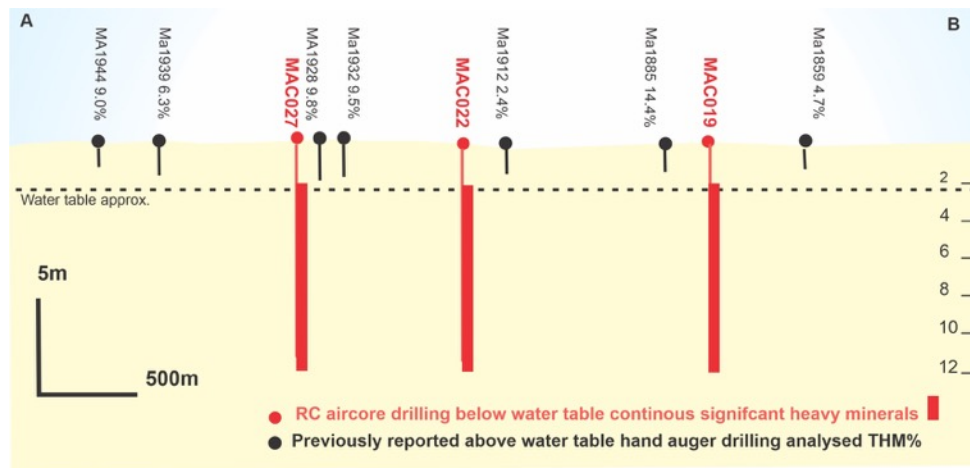


Mannar Island Heavy Mineral Sands Project, showing previous shell auger drilling and the first 40 RC aircore drill holes.

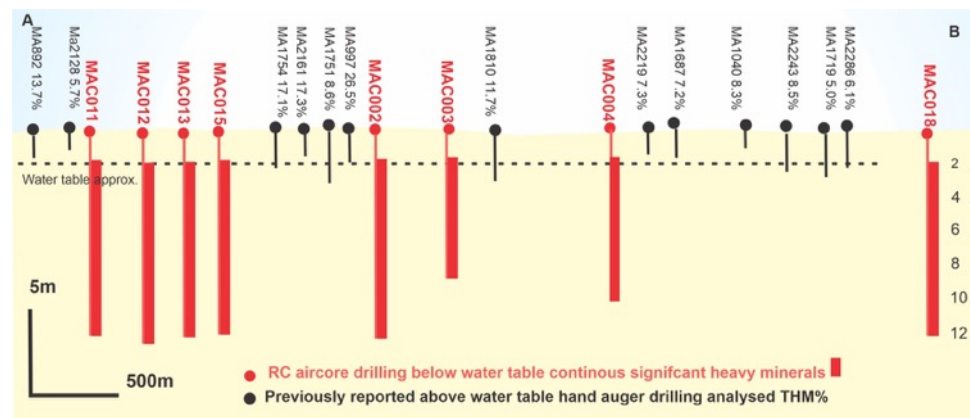
- Resource infill and extension drilling is continuing with company's RC aircore drilling rig.
- RC aircore holes have been drilled up to 12m deep
- High percentage of holes intersect 6.7m to 10m of material below the water table containing significant concentrations of Heavy Minerals based on visual estimations.
- THM below water table is essentially unconsolidated with only a few local areas of light cementation.
- The materials intersected below the water table are generally finer grained than the medium to coarse sands of the shallow resources with little or no clay slime components.
- Resource infill and extension drilling is continuing at the Mannar island Project.

PROJECT DRILLING

RC aircore drilling demonstrates substantial depth potential



RC drilling section AB



RC drilling section CD

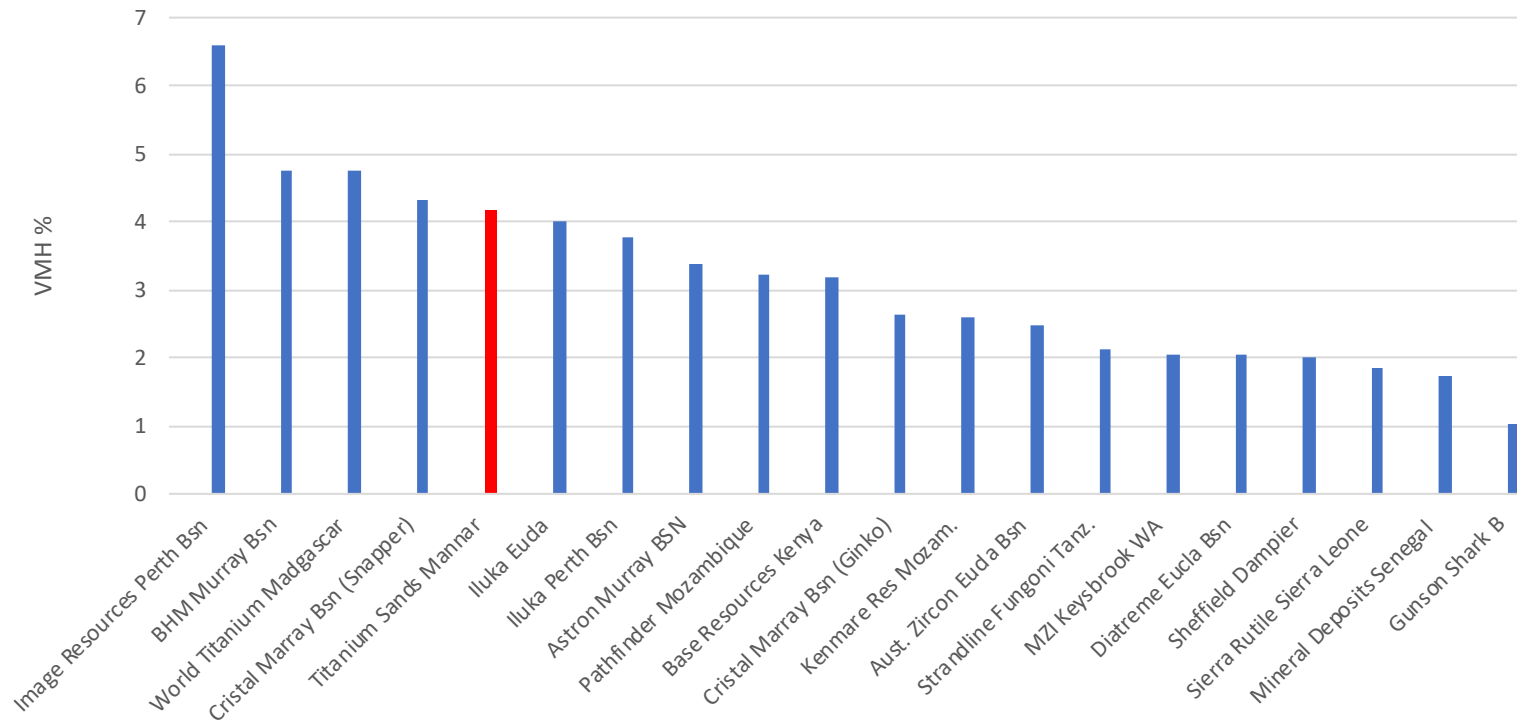
Long sections located to the right show the RC aircore drill holes and the nearby shell auger THM% analytical results previously reported and used in the resource reports (reported to the ASX 18th of September 2019*). All RC drill holes on these sections had over their entire intersection of the sequence below the water table visual estimation of significant concentrations of heavy minerals.



Mannar Island team drilling exploratory RC aircore holes

COMPARISON VALUATION

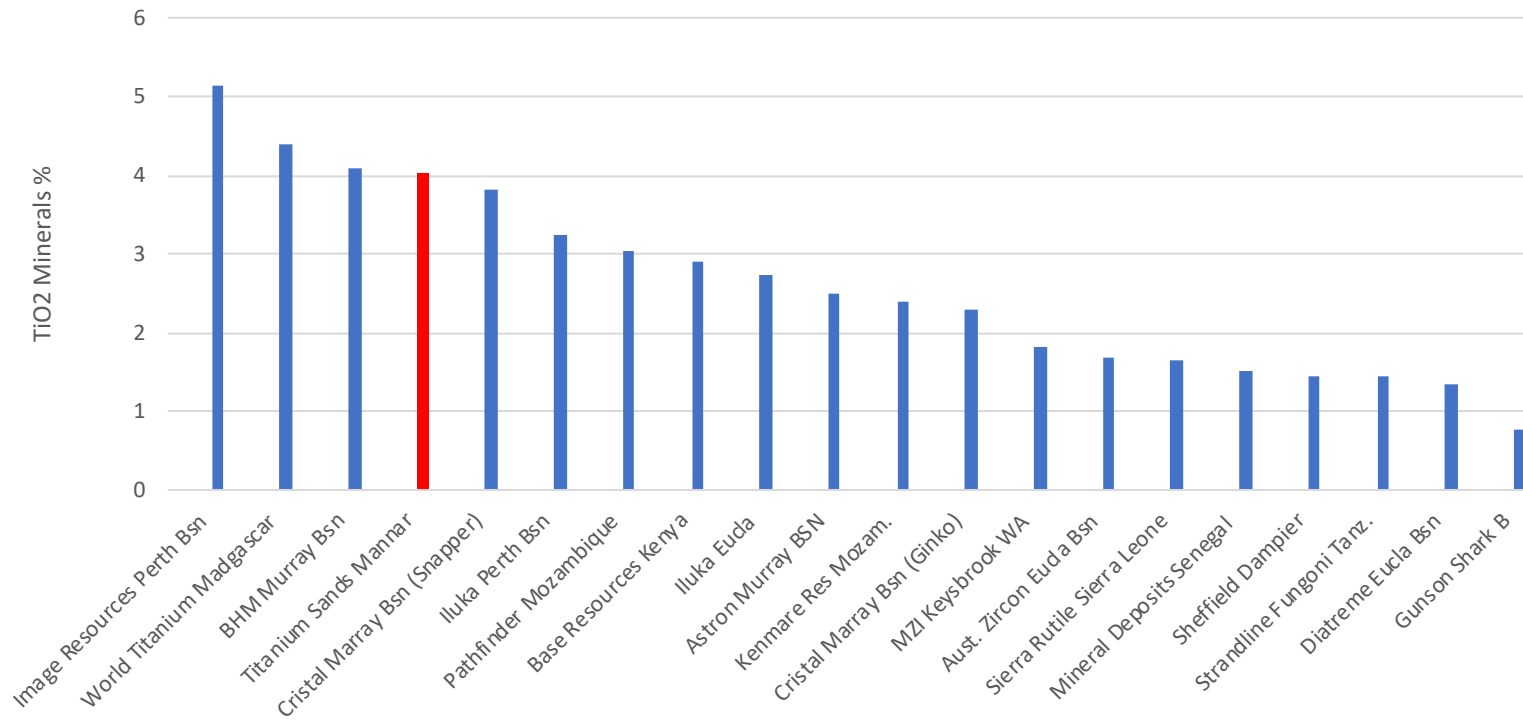
Valuable Heavy Mineral (VHM)%



Source: Compiled from various published information sources

COMPARISON VALUATION

TiO2 Minerals % (Ilmenite + Leucoxene + Rutile)

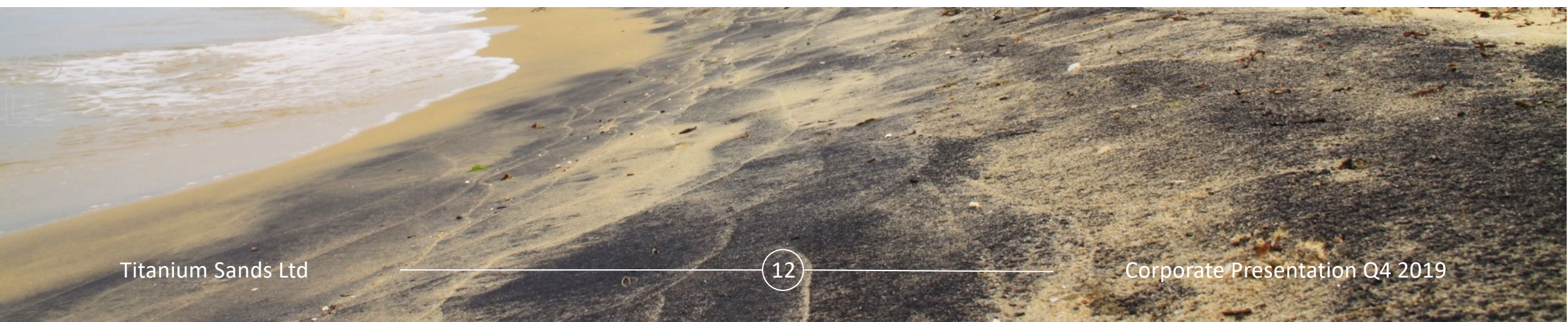
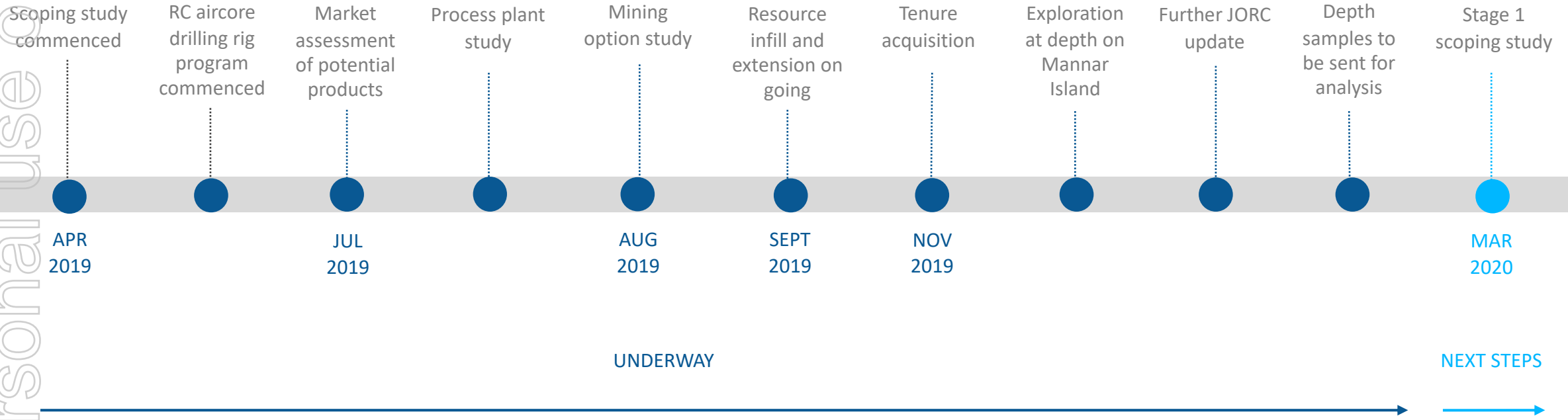


Source: Compiled from various published information sources



MILESTONES

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MINERAL SAND MARKETS

Sri Lanka is a Gateway to International Markets

Attractive Mining Jurisdiction with Chinese Offtake Potential and other international markets

Sri Lanka forms part of China's 'One Belt, One Road' trade route with Chinese interests controlling 70% of the recently completed A\$1.3b Hambantota Port connecting the Company with Chinese plants hungry for offtake to satisfy excess capacity.



Bilateral trade with China

Sri Lanka's trade with China has been growing faster than its trade with the rest of the world over the last 5 years and China has emerged as:

- Sri Lanka's 2nd largest trading partner
- 2nd largest source of imports after India
- 6th largest export market after USA, UK, India, Germany, Italy.



HEAVY MINERAL PROJECT – SRI LANKA MEETS ALL THE CRITERIA

Primed for Rapid Development



High Grades

- Grades of high quality ilmenite amongst the highest in the world for a substantial deposit.
- Rutile and zircon minor but valuable components of the product suite.



Simple Operation

- Estimated low cost expansion drilling given surface mineralization.
- Very low limes content (1-2%) will assist processing.



Stable Location

- Mining friendly jurisdiction.
- Politically stable economy.
- Established railway, port, road and power infrastructure .



Strong Demand Fundamentals

- Discussing demand with a number of off take partners

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JORC RESOURCE EXPANSION

Regional Potential Adjacent to Mannar Island

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Exposure of the heavy mineral sands in the centre of Mannar Island



Heavy mineral sands on the beach, Mannar Island



Heavy minerals in below water table drilling

INVESTMENT SUMMARY

HIGHLY PROSPECTIVE

On completion of acquisition 85MT JORC tonnage at 6.96%THM. Further JORC Resources expansion potential via depth and lateral extensions.

EXTENSIVE LICENSES

9 licenses covering 204km² of Mannar Island incorporating acquisition target adjacent to existing Mannar Island tenements.

INFRASTRUCTURE

Established railway, road, power and water infrastructure, near shipping ports.

STRONG TEAM

Mining, law and capital marketing highly experienced team.

LOW COST

Cost effective operation due to lack of overburden and consistency of heavy metals concentrations.

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