

Ventnor Resources Limited

WA Silica Sand Projects

November 2018

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Competent Person

The information in this Report that relates to Muchea Exploration Results is based on data collected under the supervision of Mr David Reid, in his capacity as Exploration Manager. Mr Reid, BSc (Geology), is a registered member of the Australian Institute of Geoscientists and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and the activity being undertaken to qualify as a Competent Person under the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Reid consents to the inclusion of the data in the form and context in which it appears.

The information in this report that relates to Mineral Resources is based on information compiled by Mr Grant Louw who is a full-time employee of CSA Global, under the direction and supervision of Dr Andrew Scogings, who is an Associate of CSA Global. Dr Scogings is a Member of the Australasian Institute of Mining and Metallurgy and a Member of the Australian Institute of Geoscientists. He is a Registered Professional Geologist in Industrial Minerals. Dr Scogings has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code for the Reporting of Exploration Results, Mineral Resources, and Ore Reserves (JORC Code). Dr Scogings consents to the disclosure of information in this report in the form and context in which it appears.

The world is facing a global sand crisis



Silica Sand Use



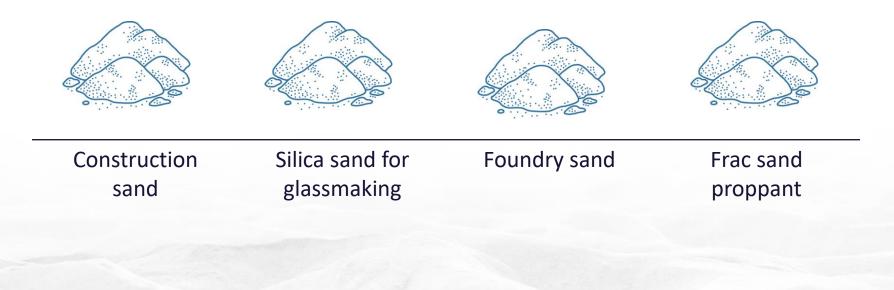
Construction Sand Glassmaking **Metal Casting/Foundry Oil/Gas Well Stimulation Metallurgical** Paint and Coatings **Chemical Production Ceramics and Refractories** Filtration Recreational

Concrete Float, Containers, Architectural, Thin Film Automobile parts Frac sand/proppant Ferrous and Non-ferrous Alloys Brightness and durability Sodium silicate, Silicon gels High temp resistance Water production Inert growing media, Golf bunkers

Silica Sand Markets



Priority for Marketing



Market Outlook



Estimated demand for silica sand for glassmaking by region:

Region	% of Global demand		
Asia Pacific	47%		
North America	20%		
Western Europe	16%		
Eastern Europe	8%		
Africa/Middle East	5%		
Central and South America	4%		

Source: Freedonia



Market Outlook



Asian glass making production increasing 5-6% per year

Use	Spec	Market in Asia
Float (Plate) Glass	99.5% SiO ₂	60-65 Mt
Container Glass	99.5% SiO ₂	70-75 Mt
Cover Glass (Solar Panels)	99.95% SiO ₂ Low Fe	5-6 Mt
Smart Glass (Ultra Clear)	99.97% SiO ₂ Low Fe	1-2 Mt
Specialist Glass (Thin Screen)	99.97% SiO ₂	500-600 Kt

Source: Stratum Resources



Ventnor's silica sand strategy

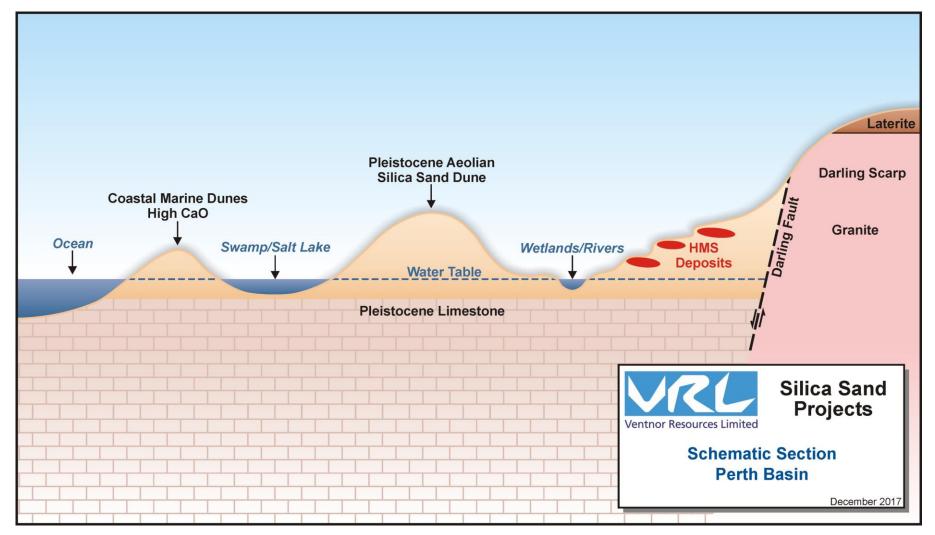
Identify and delineate large scale silica sand resources close to infrastructure

Develop plans for the mining and export of high quality silica sand

Explore opportunities for further processing to value-add

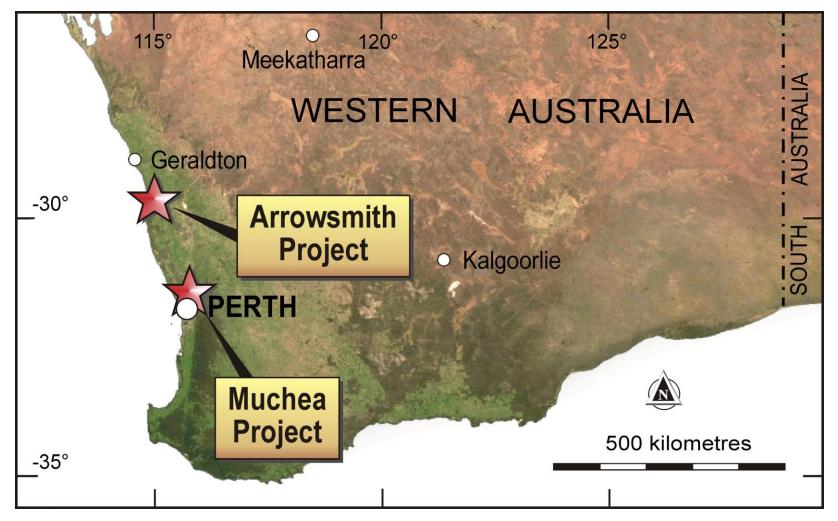
Setting



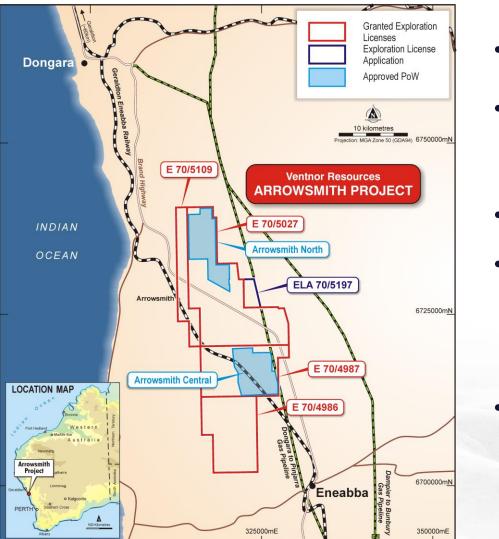


WA Silica Sand Projects





Arrowsmith





- 270km nth of Perth
- South of Dongara with rail
 - connections to Geraldton Port
- Very large-scale potential
- Preliminary testwork confirms glass-making quality
 - (+99.5% SiO₂)
- Low capital intensity and low environmental impact mining propositions

Arrowsmith







Arrowsmith North Inferred Resource



193.6 million tonnes @ 98% SiO₂*

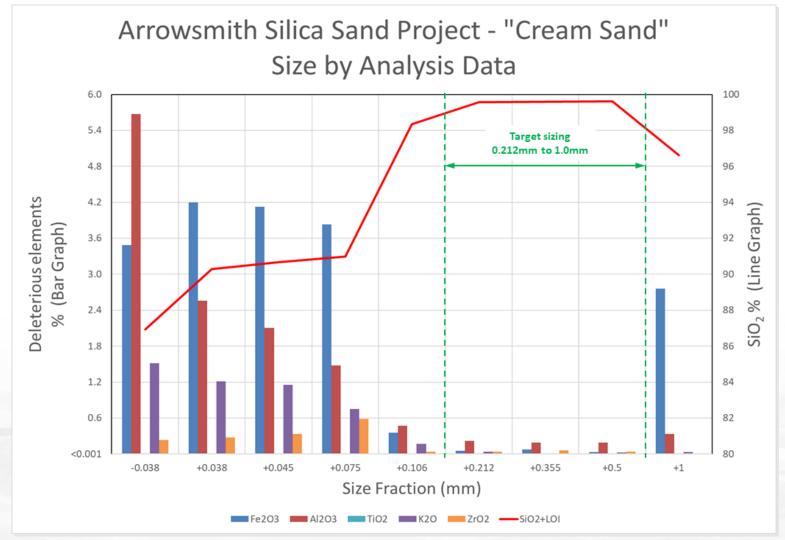
Classification	Domain	Million Tonnes	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	TiO₂%	LOI%
	Yellow Sand	149.4	97.7	1.1	0.4	0.2	0.5
Inferred	White Sand	44.2	99.1	0.3	0.1	0.2	0.2
	All Sand	193.6	98	0.9	0.3	0.2	0.4

*Note: Interpreted mineralisation is domained into different sand types based on drill logging data and publicly available soil mapping information, above a basal surface wireframe defined based on the current drill sampling depths. Depletion zones include the upper 0.5 m for rehabilitation purposes, and minor swamp zones in the east and south of the modelled area. Differences may occur due to rounding.

* Details of Arrowsmith North Resource Estimate are contained in the ASX announcement of 2 October 2018

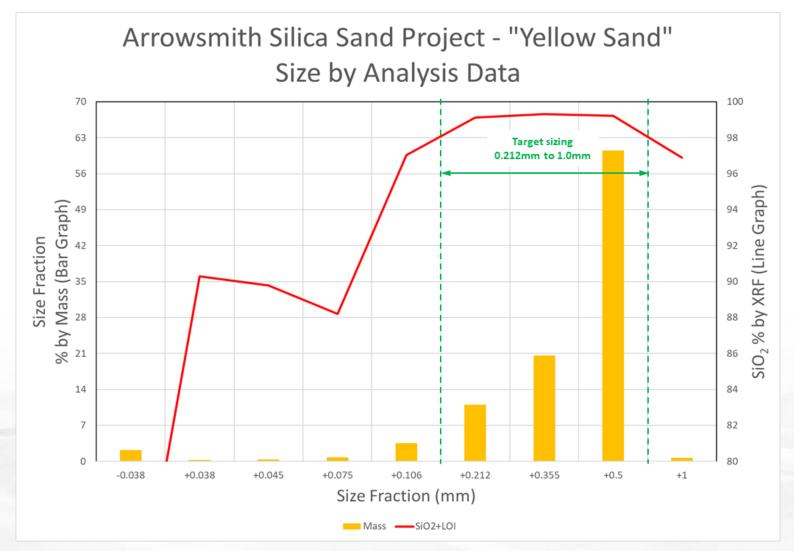
Arrowsmith North Upgrade





Arrowsmith North Upgrade







Rail Access to Geraldton





Geraldton Port





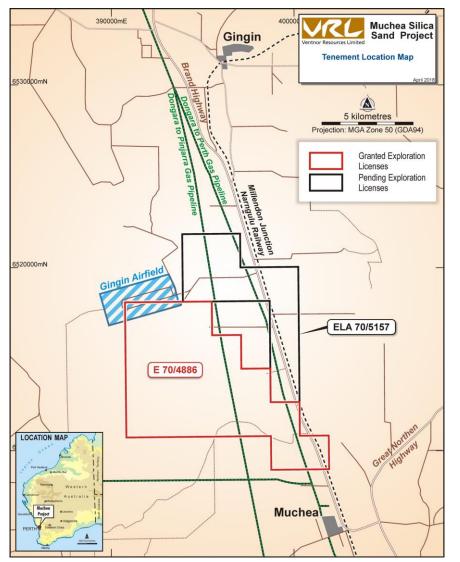
Muchea





- Significant high grade Silica Sand deposit
 - 50 km nth of Perth
 - 14 km nth of Muchea
- Transport logistics rail products to Kwinana Port for export
- Adjacent to Brand Highway
- Granted tenure 100% VRX

Muchea





- Due diligence drilling indicated high-grade SiO₂ (+99.6% Avg)
- Preliminary testwork indicates processing can upgrade sand to specialised glass quality
- Current logistics under-utilised with significant interest from operators

Muchea Indicated/Inferred Resource



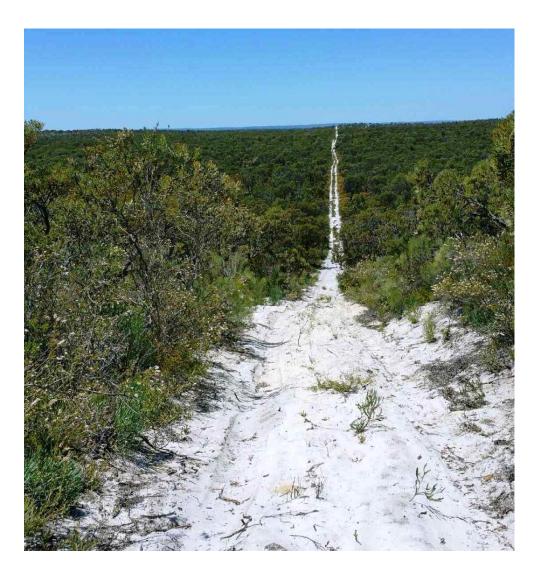
191Mt @ 99.6% SiO₂

Classification	Million Tonnes	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	LOI%	TiO ₂ %
Indicated	19	99.7	0.03	0.03	0.2	0.08
Inferred	172	99.6	0.04	0.02	0.2	0.08
Indicated + Inferred	191	99.6	0.04	0.02	0.2	0.08

*Note: Interpreted mineralisation is domained into different sand types based on drill logging data and publicly available soil mapping information, above a basal surface wireframe defined based on the current drill sampling depths. Depletion zones include the upper 0.5 m for rehabilitation purposes, and minor swamp zones in the east and south of the modelled area. Differences may occur due to rounding.

Details of Muchea Resource Estimate are contained in the ASX announcement of 20 November 2018

Muchea

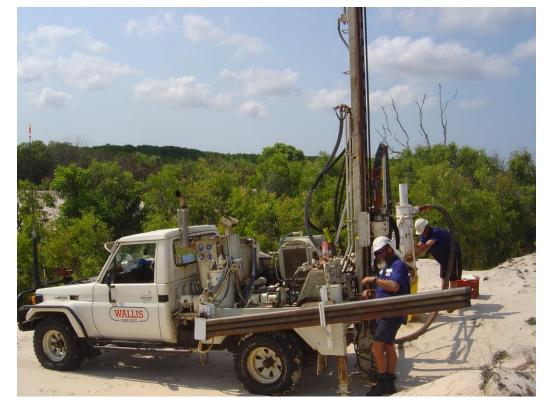




- Muchea is potentially a world class highgrade silica sand deposit
- With an unusually high grade feed stock simple processing can provide almost any required grade product

Proposed Exploration Program



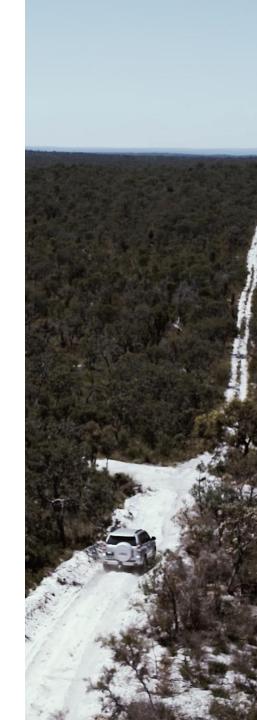


Drilling using 4WD-mounted AC rig and hand held auger



Exploration Program

- Exploration to date has allowed and estimate for an Inferred Resources at Arrowsmith North and an Indicated/Inferred Resource at Muchea
- All exploration above the water table
- Very low cost shallow drilling (10-15m) in free running sand
- Sand 2-3% moisture (no dust...)
- ISBD determination completed
- Significant testwork programs either completed or underway
- Mining will require no dewatering



Development Program

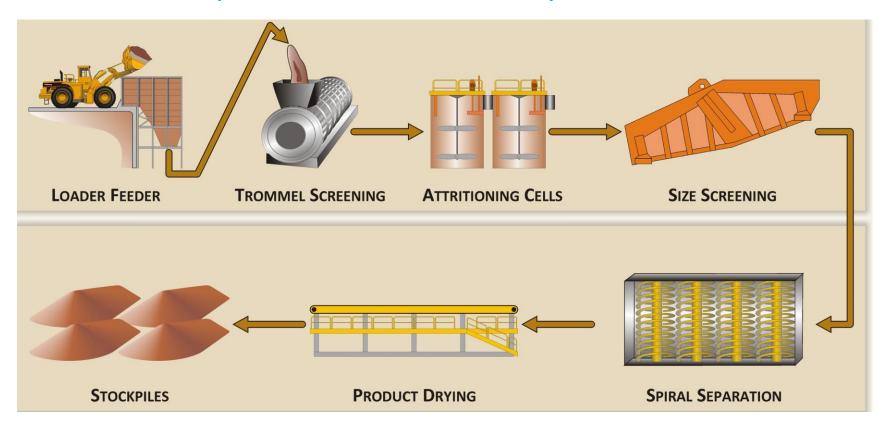
- Closer spaced drilling for an Indicated Resource at Arrowsmith North and an expanded Indicated Resource at Muchea is planned for January 2019
- Third iteration bulk testwork underway will determine potential products and required processing equipment
- Wet processing by conventional plant (no chemicals)
- Preliminary engineering underway ±15% capital cost estimate
- Testwork will also produce final quality samples to send to potential importers in Japan, China, India, Vietnam, Thailand, Taiwan and Korea
- Finalise logistics chain for access to rail and port facilities to export sand from Arrowsmith through Geraldton and from Muchea through Kwinana
- Environmental studies completed to support Mining Proposals
- Feasibility study components to be completed by end of 2018







Established processing techniques (no chemicals, no dust)



Processing





Corporate & Capital Summary

Share Code (ASX)	VRX Shares
Shares on Issue	364.7 m
Options issued	52.0 m
ASX 52 week high/low	\$0.19/\$0.036
Cash	\$1.6 m
Debt	Nil
Market Capitalisation	\$62 m



Directors

Paul Boyatzis Non-Executive Chairman

Bruce Maluish Managing Director

Peter Pawlowitsch Non-Executive Director



Investment Considerations



EMERGING AUSTRALIAN STRATEGIC SILICA SAND PRODUCER

OUTSTANDING PROJECT ECONOMICS AND LOGISTICS IDEALLY PLACED TO CAPITALISE ON ROBUST MARKET OUTLOOK AND DEMAND

POTENTIAL LARGE SAND RESOURCES AND PRODUCTION RAPID PATHWAY TO FINANCING AND PRODUCTION

OTHER PROSPECTS UNDER INVESTIGATION