

#### **Corporate Overview**

#### **Capital Structure**

**Shareholder Analysis** 

Share Price	\$0.019
Shares Outstanding (m)	1,504
Market Capitalisation	\$30.0
Cash (\$m) (approx. 30/09/2018)	\$9.1
Debt (US\$m)	4.8
Options Outstanding (unlisted(m))	6.7

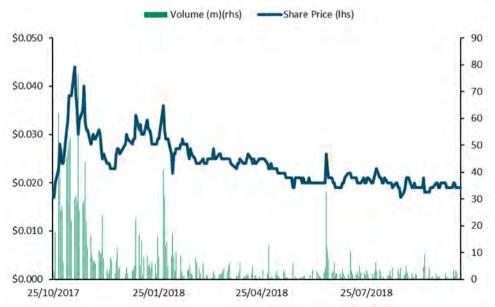
#### **Board of Directors**

Craig McGown	Non-Executive Chairman
David Crook	Managing Director
Allan Trench	Non-Executive Director
Wayne Spilsbury	Non-Executive Director
Tim Spencer	CFO/Company Secretary

#### 12 Month Share Price Chart

# 12.5% 3.0% 2.0% Individuals/Insiders Institutions Corporations (Private) Retail Investors

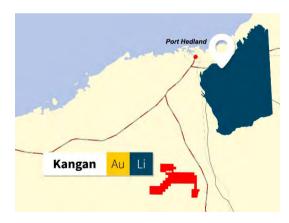
Top 20 Ownership: 19.6%

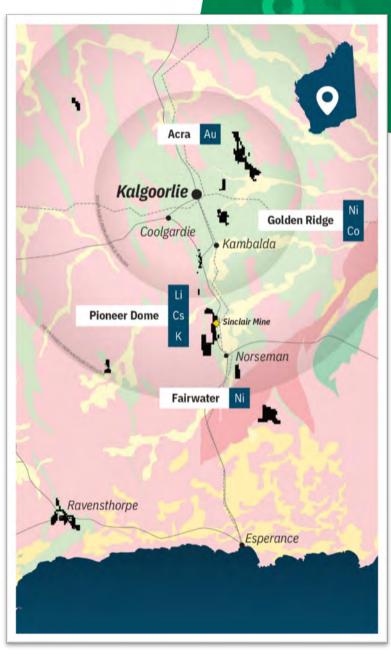


**Key Assets Along Infrastructure Corridors in WA and Ontario** 

Pioneer Dome Golden Ridge Mavis Lake Kangan Norseman Kalgoorlie Ontario Pilbara



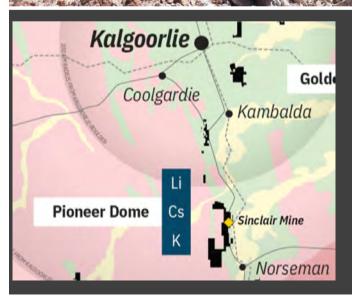












The Sinclair Mine Opened in September 2018
This is Australia's First Caesium Mine
Cabot Specialty Fluids – Offtake Partner



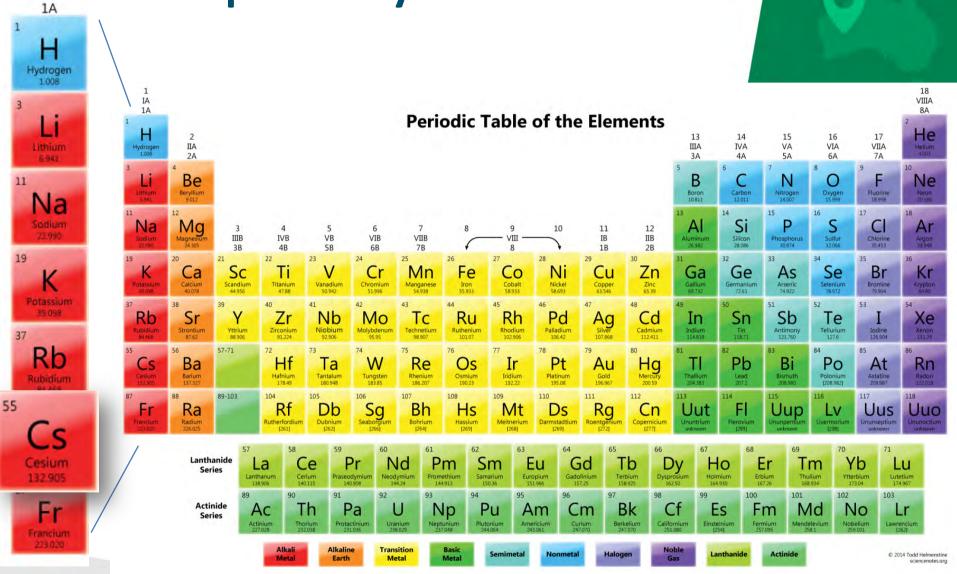




Double Shifting to Quickly Expose Caesium by November 2018
Overburden is High Quality Potassium Feldspar which is being stockpiled for future sale
Mining scheduled to be finished during December 2018

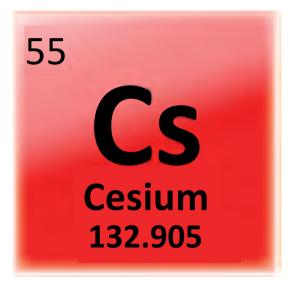
Crushing and transport to Esperance January 2019
Containerisation and Transportation to Canada January – April 2019

# Sinclair is an Alkali Metals Mine but Importantly a Caesium Mine





IA



# Caesium and Pollucite: What is It

- Very rare in any volume:
   Known at approx 110 localities worldwide
   (but range in size from fist-size to small pods)
  - Two (now three) 'commercial-sized' pollucite deposits:
    - Tanco, Canada and
    - Bikita, Zimbabwe
    - Sinclair, Western Australia
- forms in the highly evolved core zone of LCT pegmatites
- co-exists with petalite, silica and lepidolite (lithium mica)

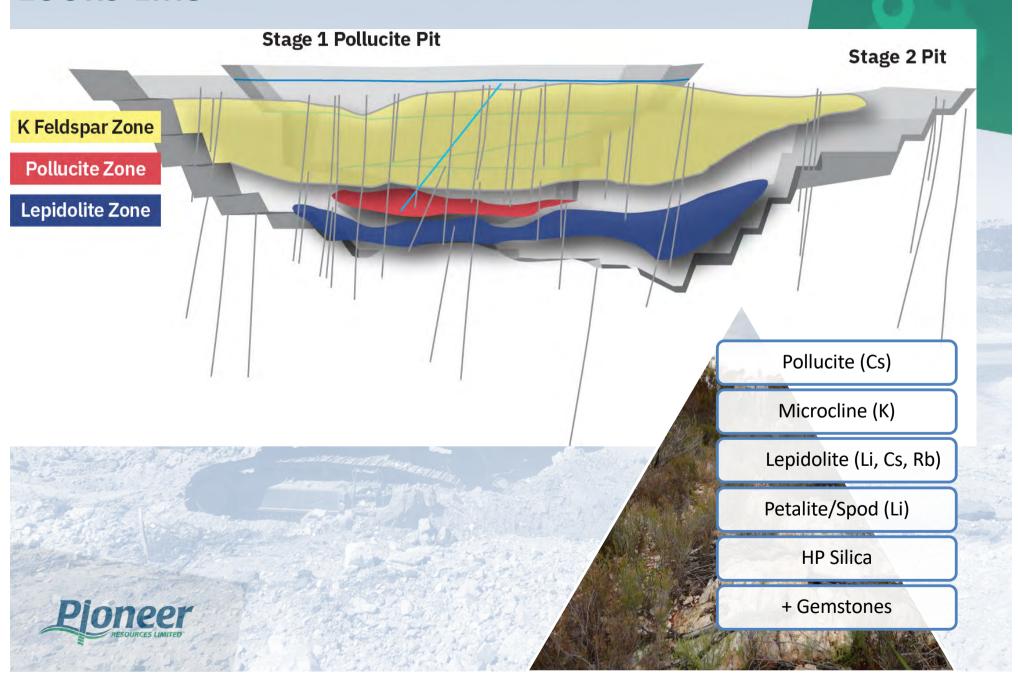


## Most goes into Caesium Formate Brine (CsFm)

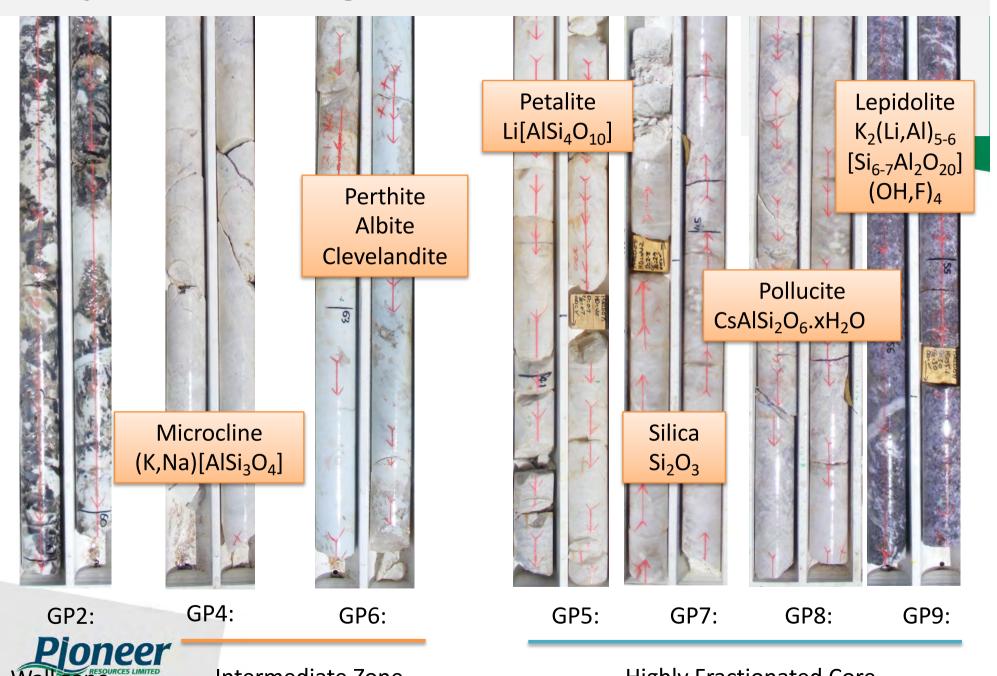


- CsFm is a heavy drilling fluid used in high temperature/high pressure oil and gas drilling
  - Ensures faster hole completion times, and
  - higher oil production rates
- The two main producers of Caesium are:
  - Tanco Mine (Cabot, Canada), produces ore for CsFm business and a lesser amount of Cs chemicals
  - Bikita Mine (Zimbabwe) delivers sporadically into the Cs chemical market
- **CABOT Specialty Fluids:** 
  - 2010-2014 (5 years) EBITDA averages US\$37 million, or \$312 million between 2004 and 2016
  - CsFm **LEASED** to oil companies including Shell, Total, Statoil, ExxonMobil and BP, used in 30 wells per year (2008-2009)

# This is what the Sinclair Mine Design Looks Like



#### Complex Zoned Pegmatite more akin to Tanco Mine, Canada



Intermediate Zone

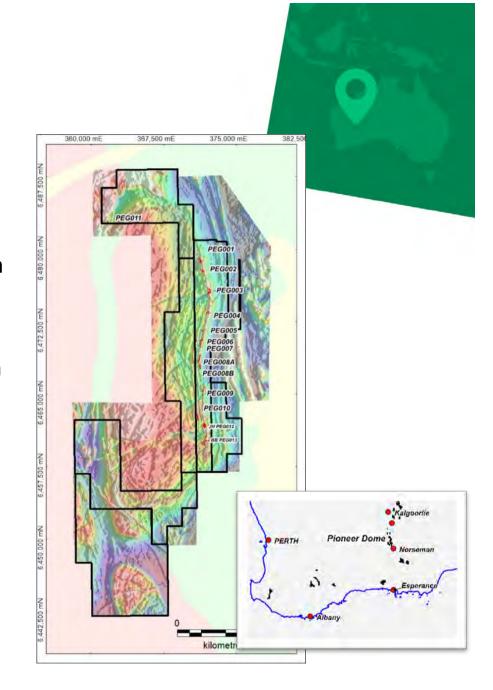
Wall zone

**Highly Fractionated Core** 

#### Caesium and Lithium

#### We've Just Started

- 20km of strike-length to be explored systematically
- One of the few significant **Pollucite** deposition environments known so why not more?
- Lithium (Spodumene / Petalite) intersected in drilling: Conventional lithium exploration model to be followed
- Lepidolite widespread
  - Much Chinese lithium derived from lepidolite

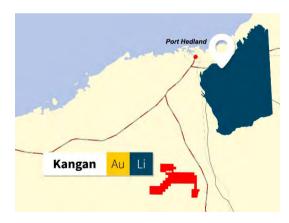


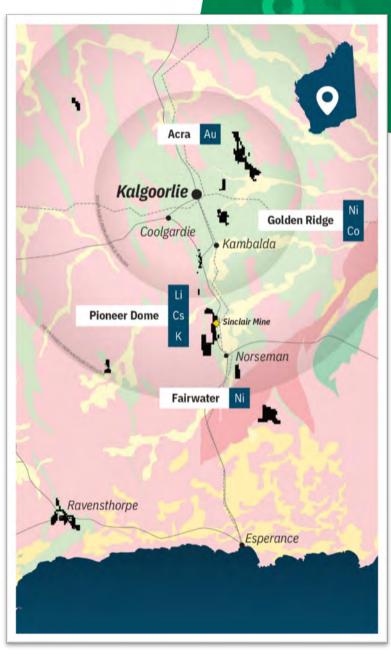


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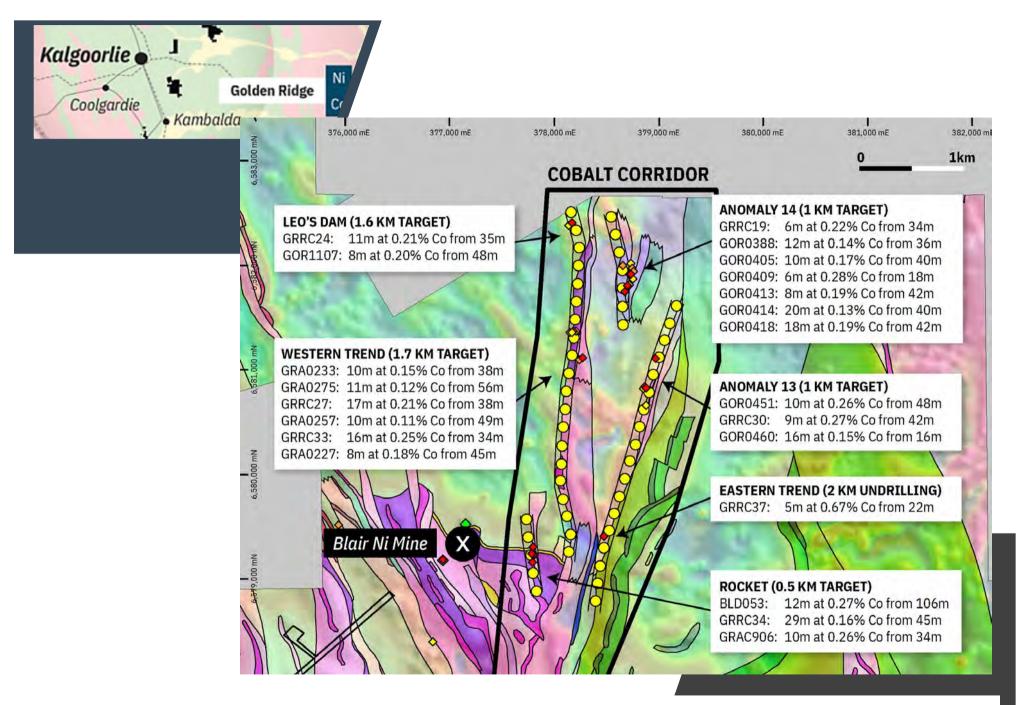
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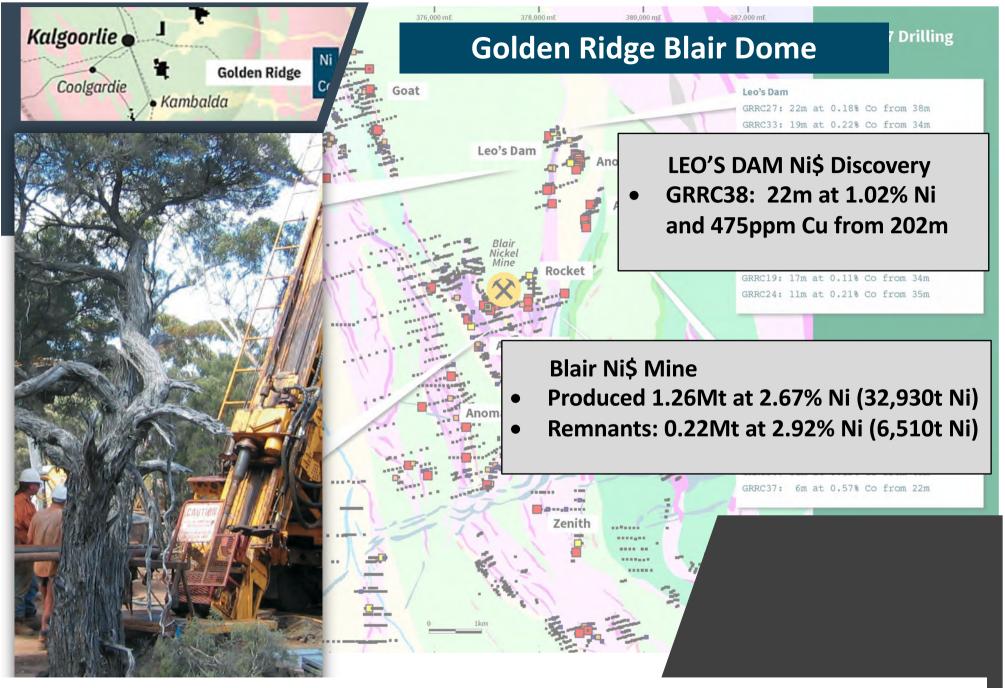






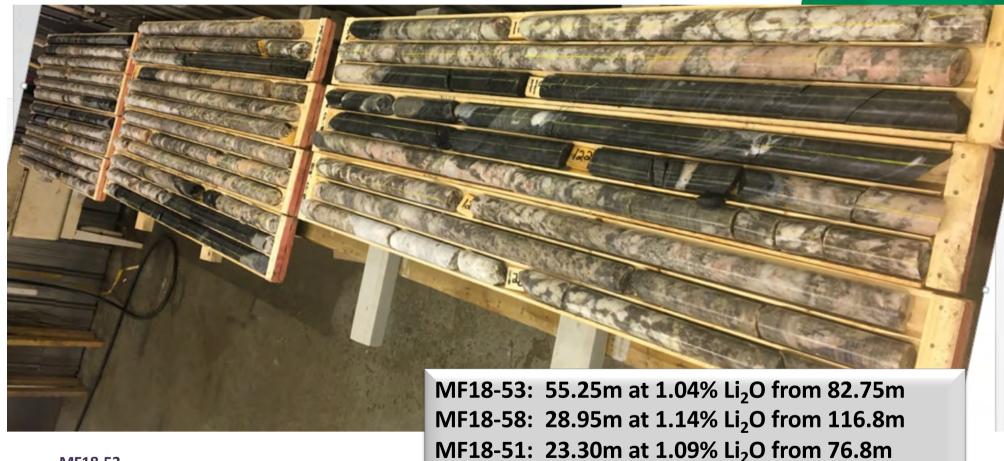


Golden Ridge Project What's Next: Cobalt



Golden Ridge Project What's Next: Nickel Sulphides

### Mavis Lake — Lithium (Spodumene)



MF18-53



MF18-55: 12.35m at 1.41% Li<sub>2</sub>O from 135.14m

MF18-52: 13.45m at 1.17% Li<sub>2</sub>O from 149.95m

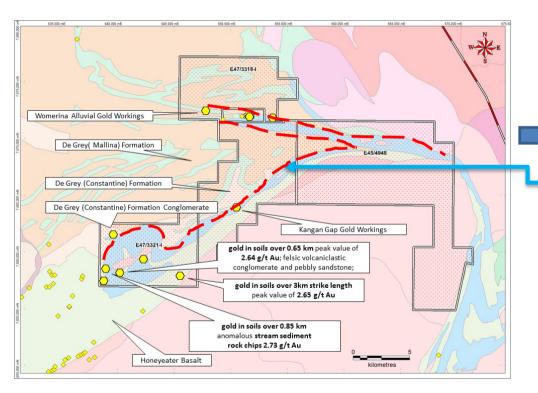
MF18-54: 18.20m at 1.27% Li<sub>2</sub>O from 94.8m and

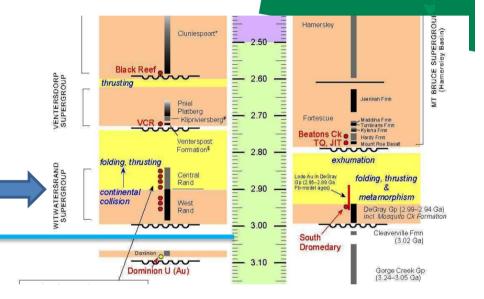
6.10m at 2.33% Li<sub>2</sub>O from 139.25m

All widths reported are drill core widths and have not been converted into true width.

Kangan Gold: A New Joint Venture with Novo Resources

NOVO is one of Canada's most innovative and well-funded gold explorers and the key proponent of the Pilbara Conglomerate-Gold genesis model, driven by Dr Quinton Hennigh





## Comparison between Hammersley Basin and Witwatersrand Basin tectono-stratigraphy

(after Nelson et al., 1992, 1999; Martin et al., 1998; Thorne and Trendall, 2001); From NI 43-101 Technical Resource Report Beatons Creek Gold Project Pilbara Region Australia (Novo Resources Corp, 31 August 2015)



## "Why should you invest in Pioneer?"

- Since listing we've filtered a lot of ground. We are seeing the benefits of that now, with diversified exposure to classical and new generation metals
- With good projects and good funding we provide 'Bang for your Buck' – we completed 14,000m of RC and Diamond drilling this year.
- And we are at a sea-change point as we transition into an income-generating Company.



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- The information in this report paraphrases material that is in the public domain including exploration results is based on information supplied to and compiled by Mr David Crook. Mr Crook is a full time employee of Pioneer Resources Limited. Mr Crook is a member of The Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscientist and has sufficient experience which is relevant to the exploration processes undertaken to qualify as a Competent Person as defined in the 2012 Editions of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'.
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#### Contact us



+61 8 9322 6974



pioneer@pioresources.com.au



Ground Floor, 72 Kings Park Road, West Perth WA 6005



PO Box 1787, West Perth WA 6872

www.pioresources.com.au

