

3	28	79	55	27
Li	Ni	Au	Cs	Co
6.941	58.69	196.967	132.905	58.933



Targeting Key Global Demand-driven Commodities

Investor Presentation
May 2017

David Crook
Managing Director

ASX: PIO



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- The material provided to you does not constitute an invitation, solicitation, recommendation or an offer to purchase or subscribe for securities.
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- The information in this report that relates to 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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- There can be no assurance that the Company's plans for development of its mineral properties will proceed as currently expected. There can also be no assurance that the Company will be able to confirm the presence of additional mineral deposits, that any mineralisation will prove to be economic or that a mine will successfully be developed on any of the Company's mineral properties. Circumstances or management's estimates or opinions could change. The reader is cautioned not to place undue reliance on forward-looking statements.

Company Overview

Company Strategy



- To hold a portfolio of projects in Australia and Canada (Tier 1 jurisdictions) which are prospective for key global demand-drive commodities
- Pioneer's current focus is to:
 - ***Develop the Sinclair Zone Caesium Resource*** : Pioneer Dome (Which will provide funds to.....)
 - Drill Lithium (Spodumene and Lepidolite) Targets: Pioneer Dome
 - Drill Lithium (Spodumene) Targets: Mavis Lake, Raleigh, Canada
 - Consider our Cobalt strategy: Golden Ridge greater project area
 - Progressively explore for Nickel Sulphides: Blair Mine
 - Engage external funding partnerships: Acra Gold JV (WA) Northern Star (ASX: NST)

Corporate Overview



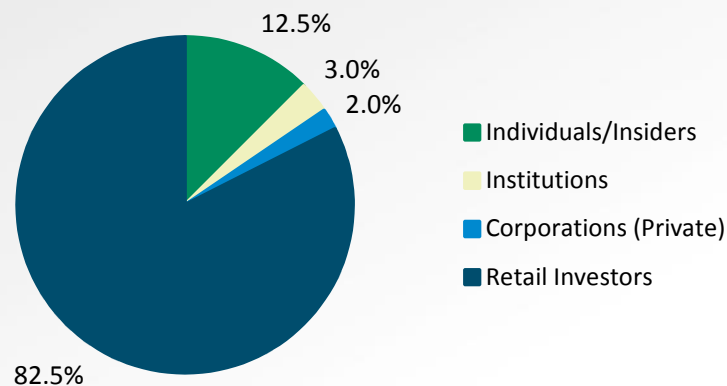
Capital Structure

Share Price (10 May 2017)	\$0.020
Shares Outstanding (m)	1,037.7
Market Capitalisation (\$m)	20.7
Cash (\$m)	3.4
Debt (\$m)	0.0
Options Outstanding (listed/unlisted(m))	44.3/55.3

Board of Directors

Craig McGown	Non-Executive Chairman
David Crook	Managing Director
Allan Trench	Non-Executive Director
Wayne Spilsbury	Non-Executive Director

Shareholder Analysis



Top 20 Ownership: 16.5%

12 Month Share Price chart



Well-Credentialed Board and Management



Craig McGown – Chairman (Investment Banker - Resources)

- With over 35 years' experience consulting to companies in Australia and internationally, particularly in the natural resources sector.
- The former Chairman of DJ Carmichael and currently with New Holland Capital.



David Crook – Managing Director (Geology)

- Founding Managing Director since 2003.
- A geologist with over 30 years' experience in the mining industry, including senior exploration, mining and management roles with a number of Australian and international companies.
- 25 years experience in the Kalgoorlie District



Allan Trench – Non-Executive Director (Geophysics, Management, Academia)

- A mineral economist, geophysicist and business management consultant.
- Professor CET at UWA and Curtin Graduate Business School.
- Perth representative CRU Strategies.



Wayne Spilsbury – Non-Executive Director (Geology)

- A geologist with over 35 years of experience including 28 years with Teck Cominco Limited - former General Manager, Exploration – Asia Pacific.
- Has worked on gold and base metal projects in Western Canada, the United States, Asia and Australia.



Nigel Brand – Consultant (Geochemistry)

- Internationally regarded specialist geochemist

Paul Dunbar – Consultant (Chief Geologist)

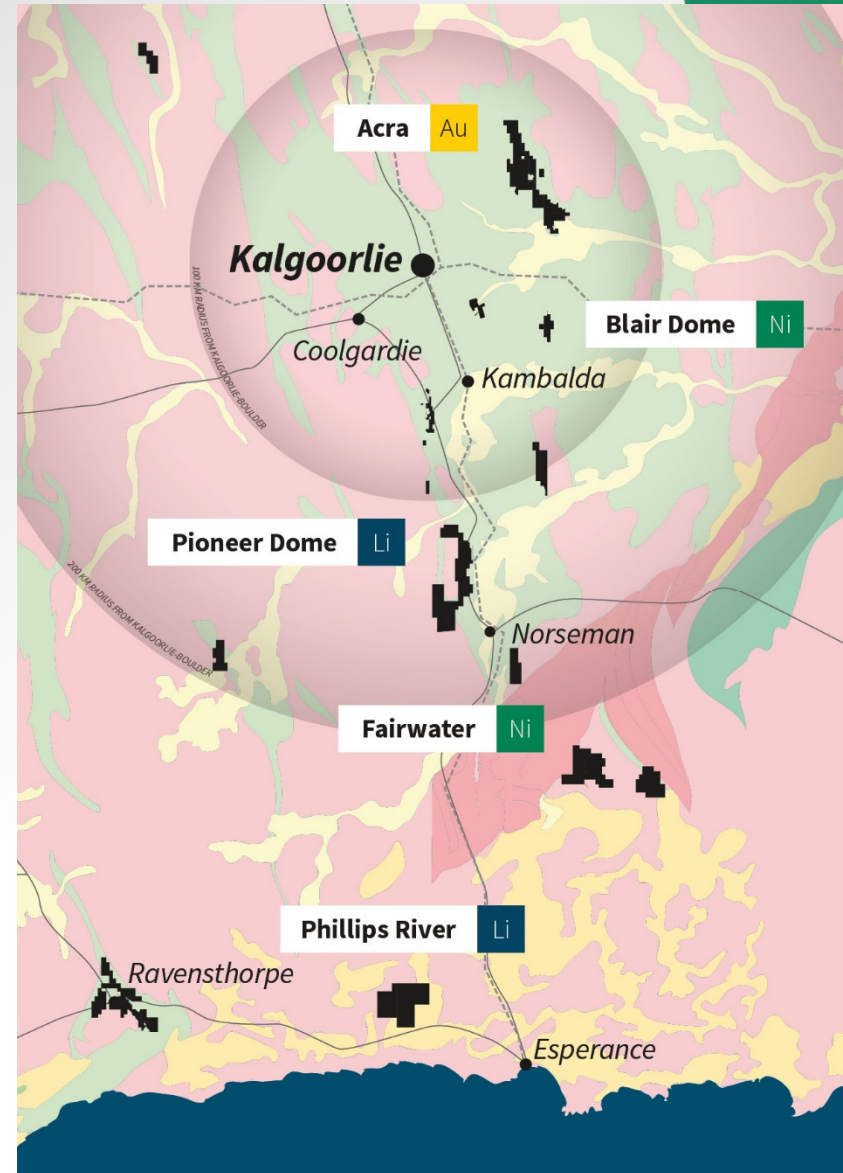
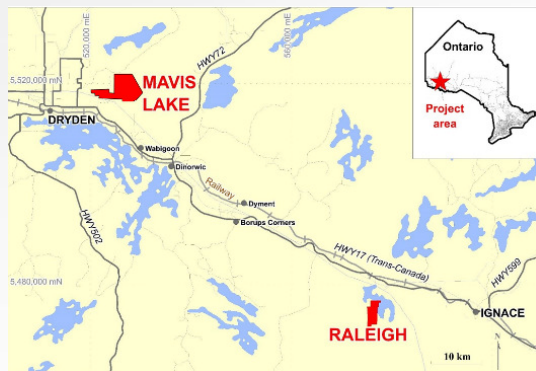
- A well accredited explorationist with corporate experience



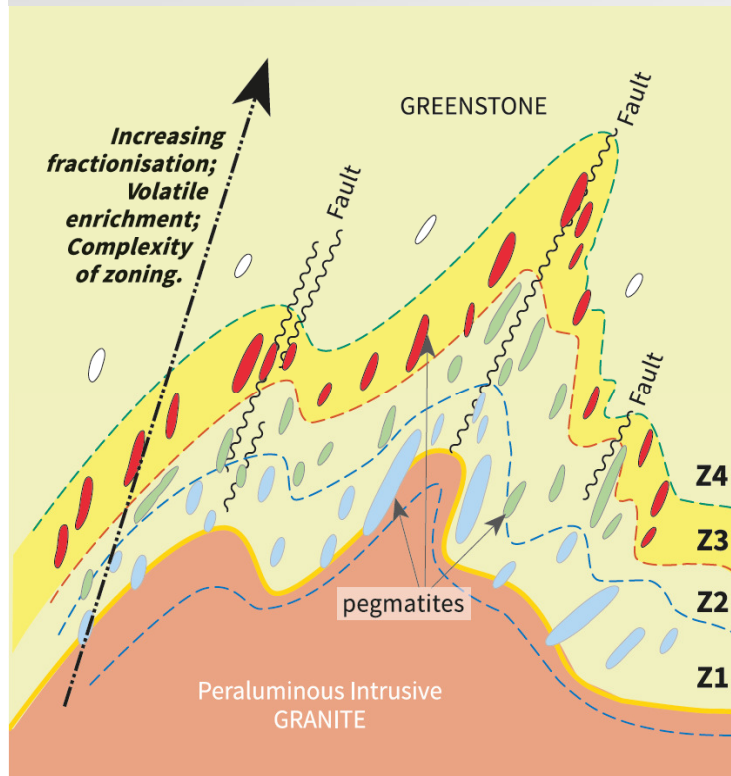
Key Assets

Key Assets Overview

Project	Location	Commodity	Ownership	Status
Pioneer Dome	Eastern Goldfields	Lithium, Caesium, Tantalum	100%	Caesium Resource drill out, lithium drilling
Blair Dome	Kalgoorlie	Nickel, Cobalt	100%	Nickel resource, assessing cobalt potential
Mavis Raleigh	Ontario	Lithium	Earning 80%	Maiden drill programme complete
Acra	Kalgoorlie	Gold	80%	NST farming-in to project (up to 75%)



First, some geology: Zonation of Complex LCT Pegmatites



Economic Mineral Zonations:

Be / Nb / Ta / Cs

Z4 Distal Greenstone

Be / Nb / Ta / Sn / Li

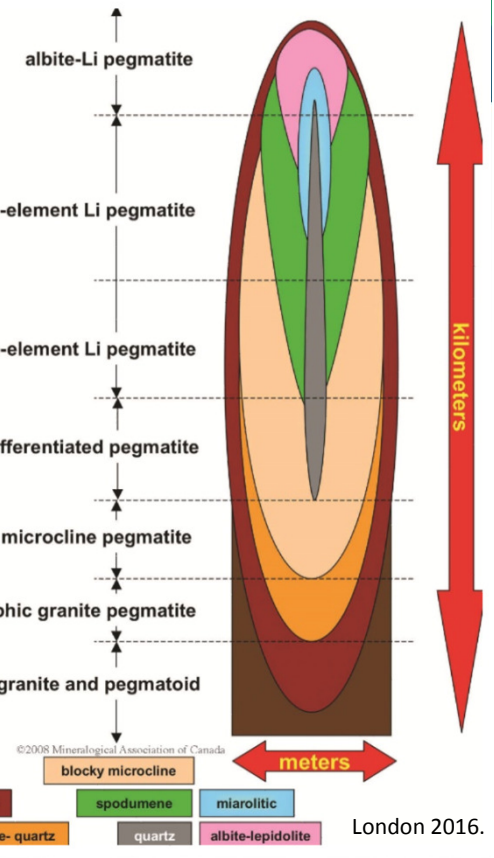
Z3 Spodumene zone

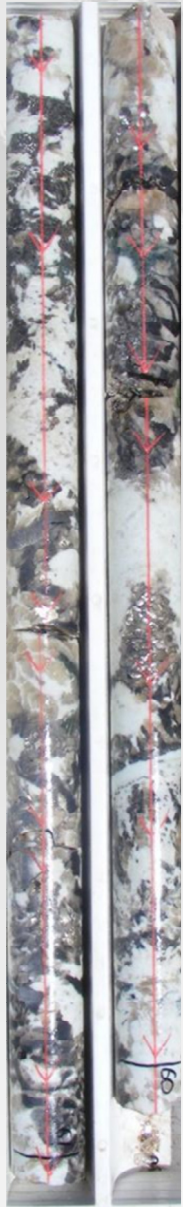
Be / Nb / Ta / Sn

Z2

Z1 Granite - greenstone contact

Barren





GP2:

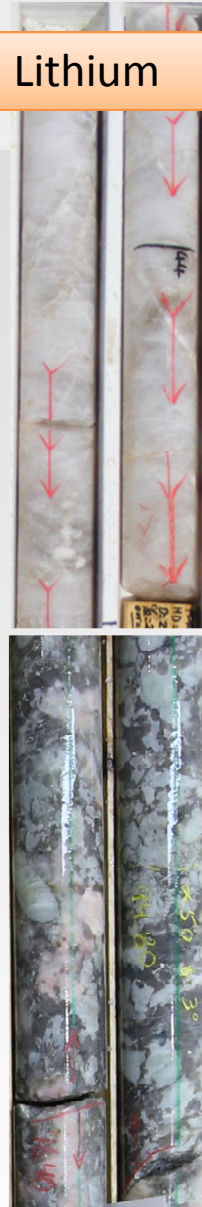
Wall zone
Plag - quartz



GP4:

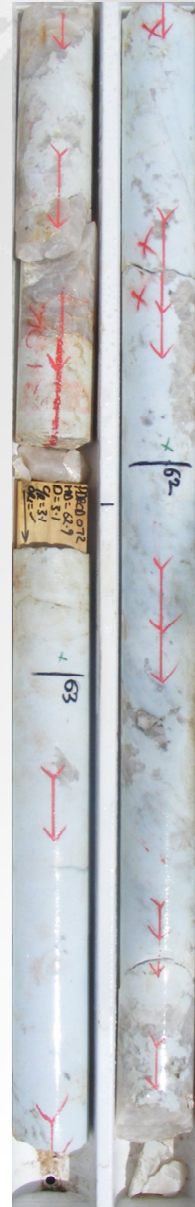
Lower

Lithium



GP5:

Li-Al silicates



GP6:

K-Feldspar



GP7:

Quartz



Caesium

GP8:

Pollucite



Lithium
Rubidium

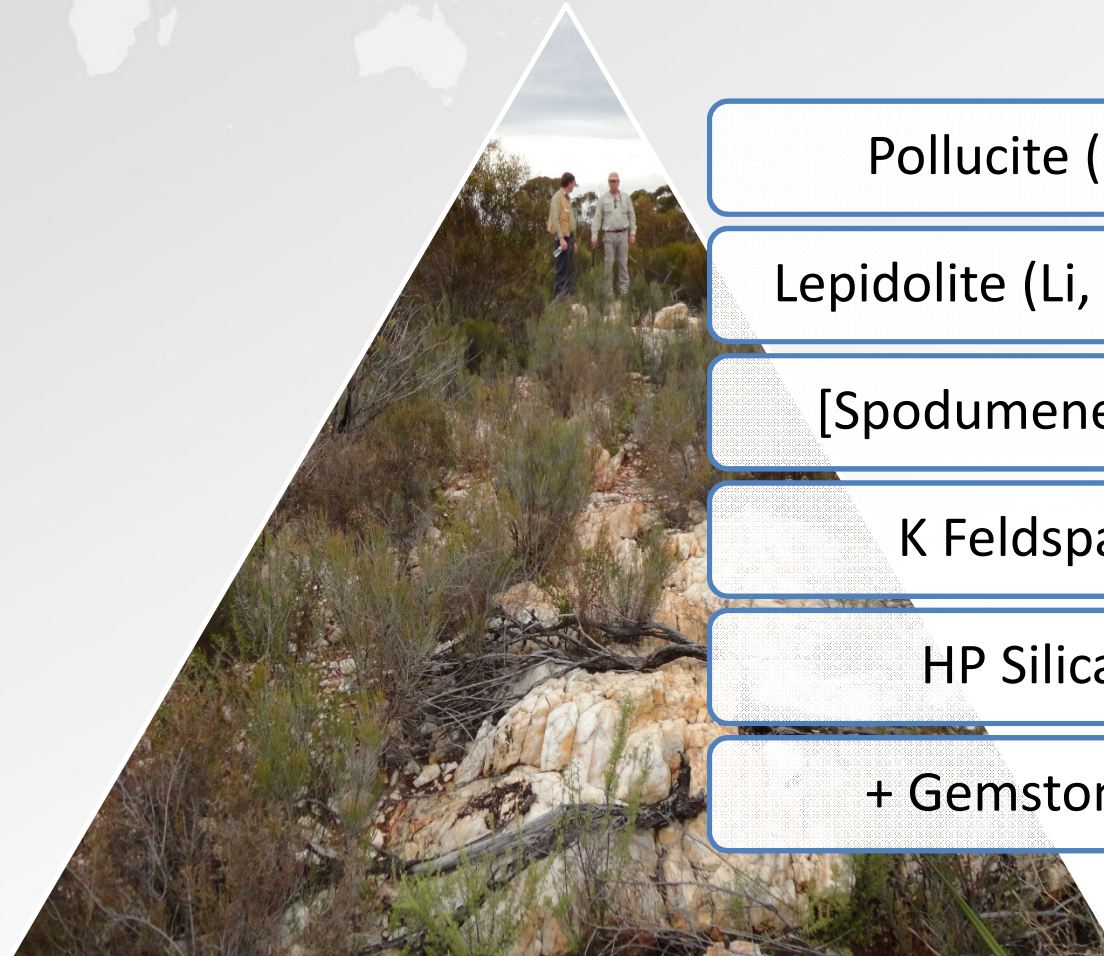
GP9:

Lepidolite

Intermediate Zones

Highly Fractionated Core

Complex LCT Pegmatite Products



Pollucite (Cs)

Lepidolite (Li, Cs, Rb)

[Spodumene] (Li)

K Feldspar

HP Silica

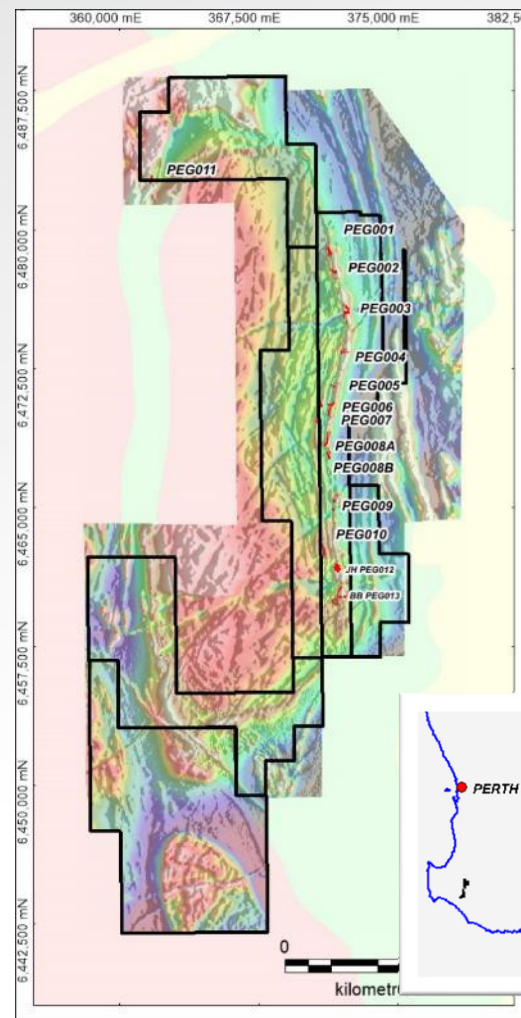
+ Gemstones

Pioneer Dome LCT Project

Project Details



- LCT Pegmatites recognised mid 2016.
- **Contains the World's 3rd largest pollucite (high grade caesium) deposit**
 - Ability for this to become globally significant:
A rare commodity with high demand
 - 19 'priority 3-5' LCT pegmatite targets
 - Drilling in progress
- Also prospective for lithium (spodumene and lepidolite)
- Lepidolite strategy: PEG009 Farm-in agreement with Lepidico (ASX: LPD) ***Gives L-Max® exposure***
- Key infrastructure in place with road, rail, gas and water all passing through the tenements

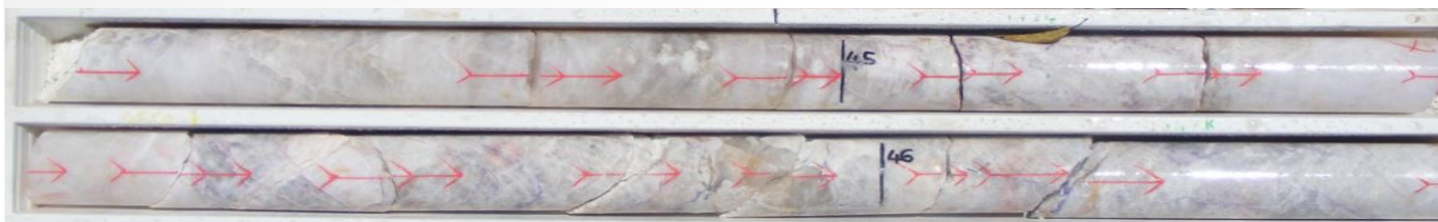
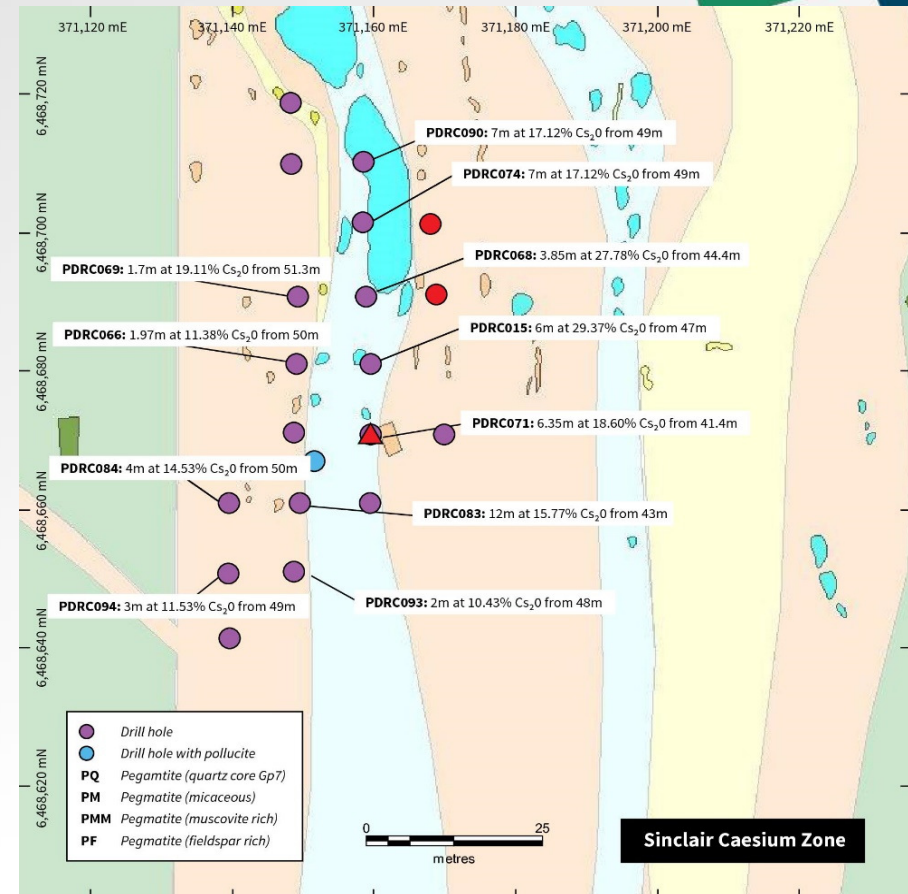


Pioneer Dome – Sinclair Zone

Australia's First Pollucite Resource

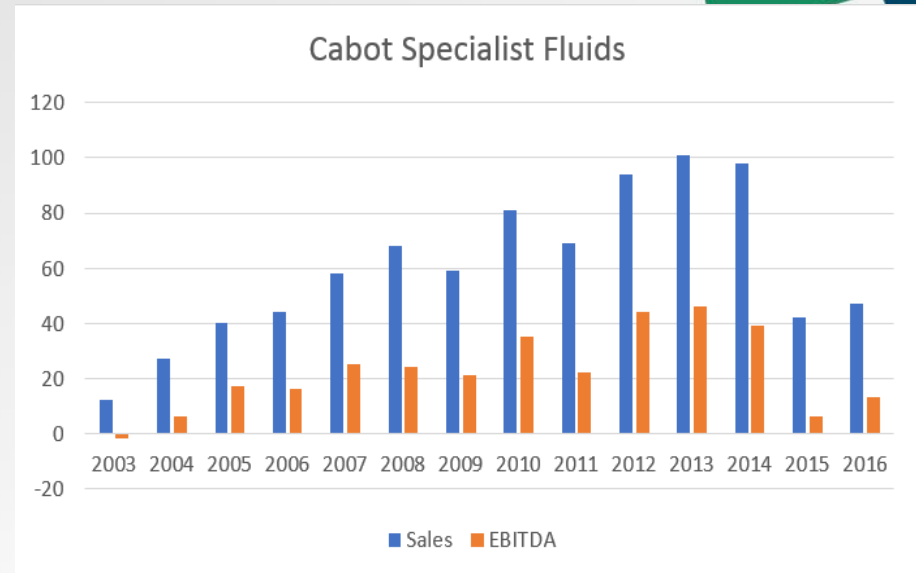


- Discovered in October 2016
- Measured Mineral Resource of **10,500t pollucite grading 17.1% Cs₂O**
- This makes it the World's 3rd largest known pollucite deposit (pre-depletion of others)**
- Pollucite is rare and supply very constrained
- Mining studies already commenced and 5,000t bulk sample met test-work in 2H 2017
- Negotiations to secure offtake with leading global caesium users progressing well



Global Caesium Demand

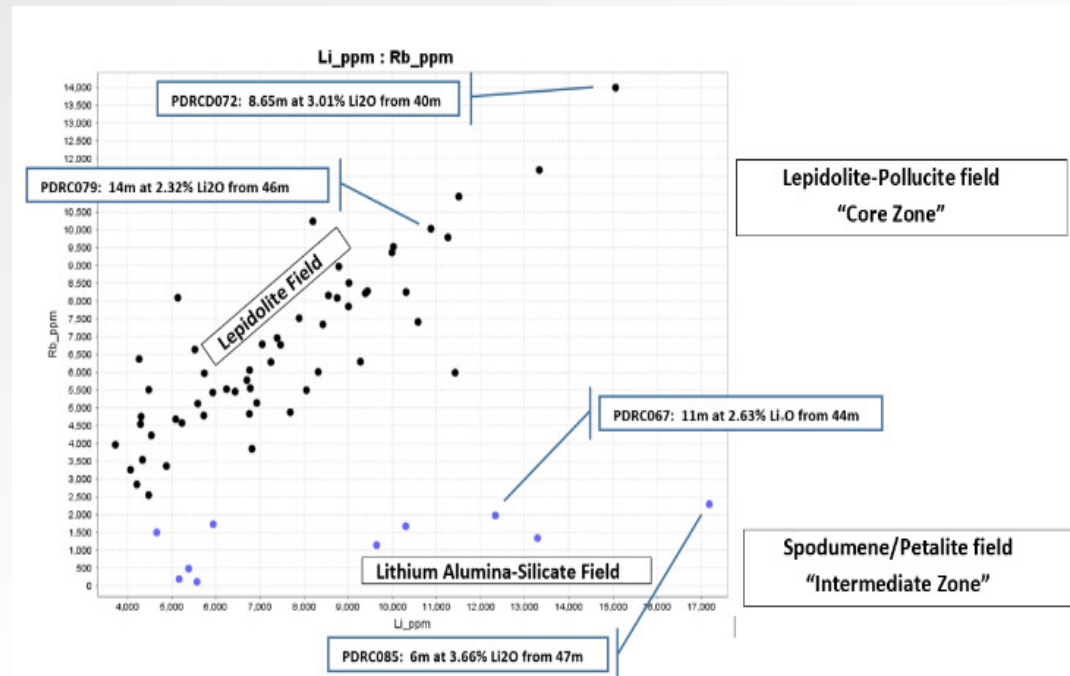
- Caesium Formate (CsFm) brine:
 - lubricant in high temperature/high pressure oil and gas drilling,
 - Ensures faster completion times and
 - higher production rates
- The two main producers of Pollucite:
 - TANCO mine, CABOT Canada, produces sufficient ore to generate approximately 8,400bbl CsFm and a lesser amount of Cs chemicals
 - Bikita Mine in Zimbabwe (sporadic, and supplies the Cs chemical market)
- CABOT Specialty Fluids:
 - 2010-2014 (5 years) EBITDA averages US\$37 million, or \$312 million between 2004 and 2016
 - CsFm rented to oil companies including Shell, Total, Statoil, ExxonMobil and BP, used in 30 wells per year (2008-2009)



Pioneer Dome – Lithium

Lithium Alumina-silicates (Spodumene/petalite)

- **PDR067: 11m at 2.63% Li_2O from 44m**
- PDR085: 6m at 3.66% Li_2O from 47m
- PDR102: 6m at 1.16% Li_2O from 30m
- PDR059: 3m at 2.85% Li_2O from 38m
- PDR076: 5m at 2.22% Li_2O from 47m



Pioneer Dome – Lithium cont.

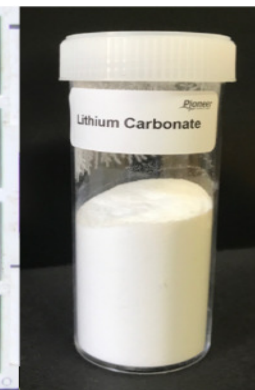
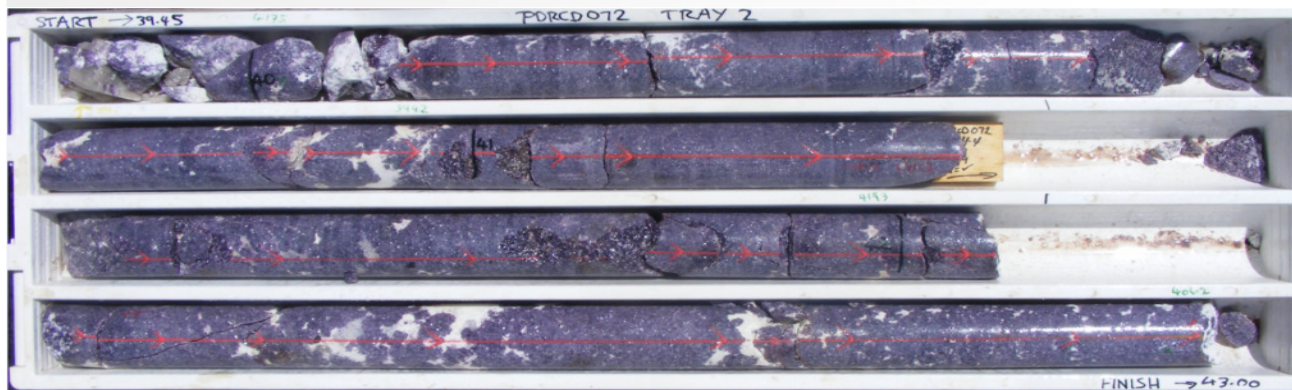
Lepidolite Exploration

Adjacent to the Sinclair Caesium Zone:

- PDRC070: 12m at 2.22% Li_2O from 44m
- PDRC073: 13m at 2.13% Li_2O from 39m
- PDRC072: 8.65m at 3.01% Li_2O from 40m
- PDRC079: 14m at 2.32% Li_2O from 46m
- PDRC090: 8m at 2.62% Li_2O from 51m
- PDRC091: 13m at 2.03% Li_2O from 55m
- PDRC095: 6m at 2.95% Li_2O from 49m

Lepidolite Development Strategy

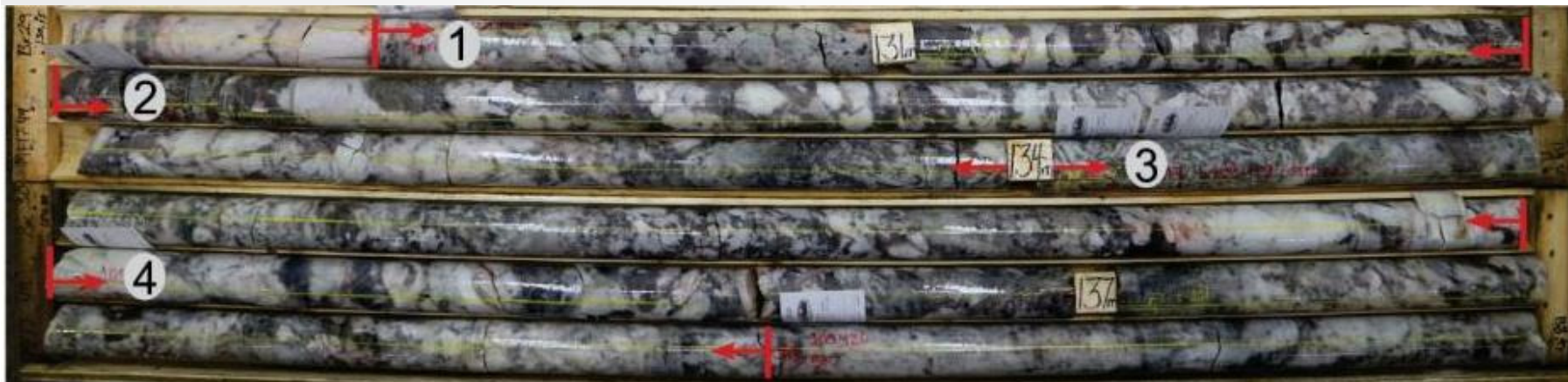
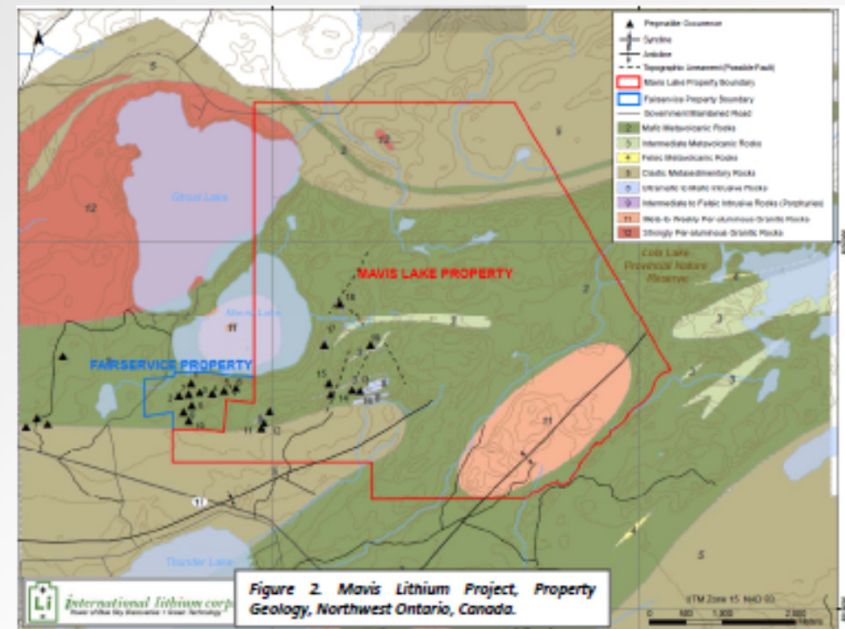
- **Lepidico** can earn 75% interest in PEG009 only
- Pioneer retains non-lepidolite rights
- JV covers 2% of the Pioneer Dome project area, and
- provides exposure to encouraging L-Max® technology – a lepidolite treatment solution



Mavis Lake Lithium Project

Project Details

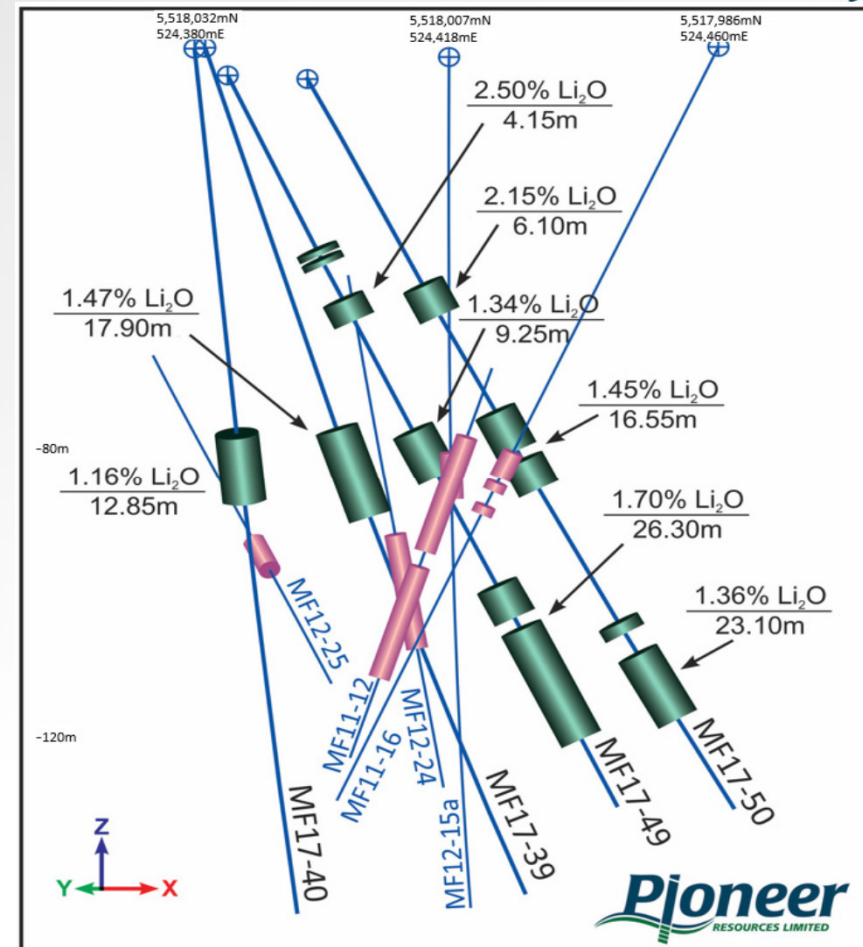
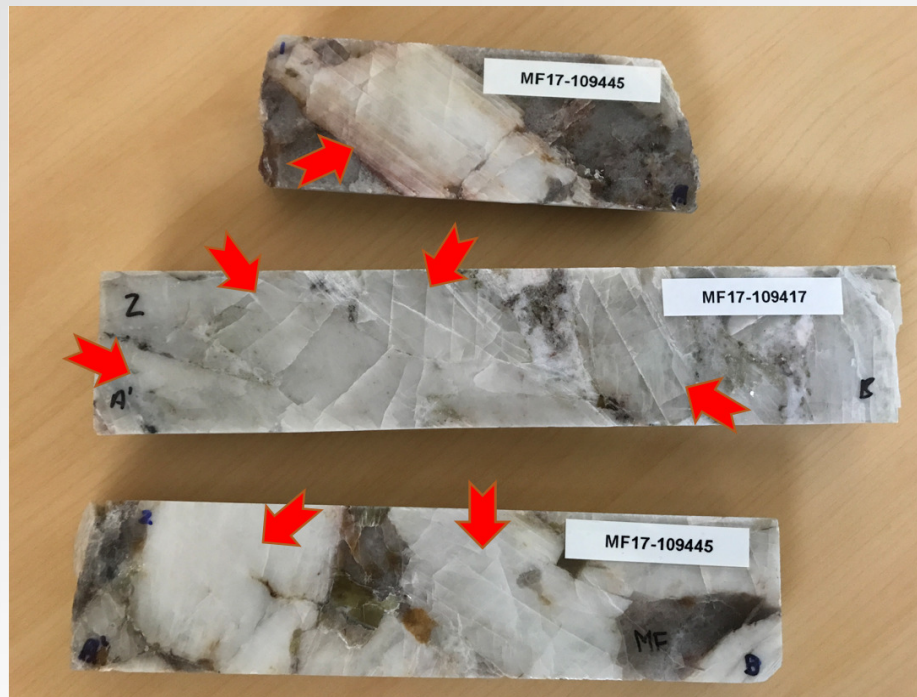
- PIO earning up to 80% ownership in the project from International Lithium Corp. (TSXV: ILC)
- Low geological risk – most pegmatites have spodumene mineralisation
- Project tenements are adjacent to the Trans Canadian highway and rail



Mavis Lake Exploration

2017 Drilling Results: 3 sheets of pegmatite identified

- MF17-39: 17.90m at 1.47% from 80.00m
- MF17-40: 12.85m at 1.16% from 80.05m;
- MF17-49: 26.30m at 1.70% from 111.9m including 7.70m at 2.97% from 130.5m
- MF17-50: 16.55m at 1.45% from 74.55m and 23.10m at 1.36% from 122.00m

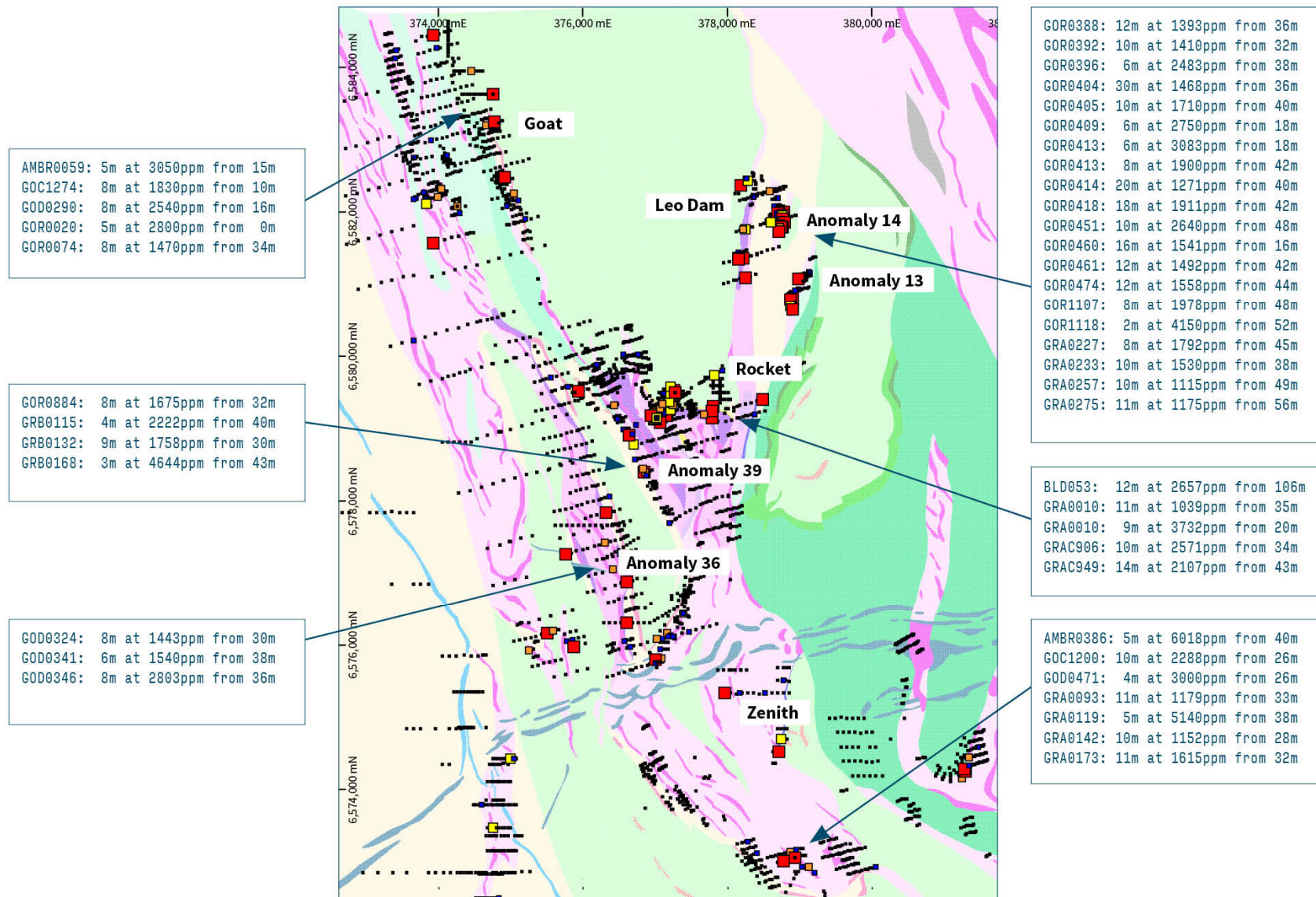


Mavis Lake Exploration



Blair Dome – Cobalt

Prospective for cobalt which has been detected in previous drilling



Rocket Prospect

BLD053: 12m at 2657ppm Co from 106m
 GRAC949: 14m at 2107ppm Co from 43m
 GRAC906: 10m at 2571ppm Co from 34m

Anomaly 14 Prospect

GOR0451: 10m at 2640ppm Co from 48m
 GOR0404: 30m at 1468ppm Co from 36m*
 GOR0409: 6m at 2750ppm Co from 18m
 GOR0413: 6m at 3083ppm Co from 18m*
 GOR0418: 18m at 1911ppm Co from 42m*

Skidman Trend

AMBR0059: 5m at 3050ppm Co from 15m
 GOD0290: 8m at 2540ppm Co from 16m

Regional

GOD0346: 8m at 2803ppm Co from 36m
 AMBR0386: 5m at 6018ppm Co from 40m
 GRA0118: 5m at 5140ppm Co from 38m

Comparable Cobalt Projects

Reported Lateritic Cobalt Deposit Size			
Company	Tonnes	Grade*	Location
	(mt)	Co	
Ardea	805	500 ppm	Kalgoorlie, WA
Inc	50	1200 ppm	
CleanTeq	109	1000 ppm	Syerston, NSW
GME	108	600 ppm	Leonora, WA
Conico	32	1200 ppm	Norseman, WA
Platina	9	1500 ppm	Owendale, NSW
Augur	16	500 ppm	Homeville, NSW
Cougar	10	700 ppm	Leonora, WA

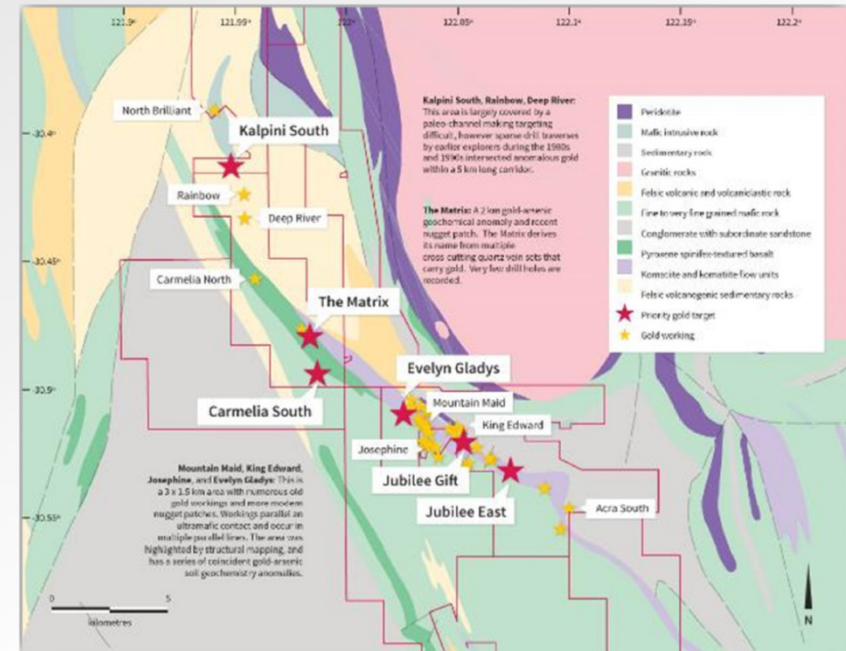
Grades appropriately rounded from reported Co %

Acra Overview

Project Details

- PIO ownership 80%
 - Farm-out agreement with Northern Star (ASX: NST)
 - \$3m spend within 3 years will increase NST ownership to 75%
 - Pioneer free carried until the JV secures DMP approval of a mining proposal
- Tenement area covers 370 km²
- Gold workings, nugget patches and soil geochemistry indicates a gold target zone at least 20km long
- Drilling at targets at Acra South, Jubilee Gift and Jubilee East are the main focus for advanced stage exploration
- Simultaneous early stage, intensive regional exploration campaign on E27/548

Tenement Map



Summary

Summary



- Exposure to a number of key global demand driven commodities
- New discovery of high-value caesium at Pioneer Dome is world's 3rd largest with potential to significant grow
- Pioneer Dome lithium potential also confirmed through recent high grade drill intersections and successful results from Lepidico's L-Max[®] technology
- Maiden drilling programme completed at Mavis Lake in Canada with significant lithium spodumene intersections
- The company is actively establishing an exploration strategy for its cobalt at the Golden Ridge Project
- NST progressing exploration at Pioneer's ACRA project through farm-in agreement

Significant portfolio of highly prospective assets ... some which could be game-changers for Pioneer

Appendices

Reserves and Resources

Sinclair Caesium Zone

Classification	Tonnes	Cs ₂ O	Cs Metal
	(t)	(%)	(t)
Measured	10,500	17.1	1,694
Total	10,500	17.1	1,694

Mineral Resource Summary by Category: Sinclair Caesium Deposit

Note: Appropriate rounding applied

Blair Nickel Mine

Class	Tonnes	Ni	Ni Metal
	(t)	(%)	(t)
Indicated	75,560	4.37	3,300
Inferred	147,150	2.18	3,210
Total	222,710	2.92	6,510

Mineral Resource Summary by Category: Blair Nickel Mine

Note: Appropriate rounding applied

References



- **References**
- Acra: Refer Company's announcements to ASX dated 16 April 2014, 22 October 2014, 26 June 2015, 6 October, 2015, 18 December, 2105, 15 February 2016, 21 October 2016
- Blair: Refer Company's announcements to ASX dated 18 November 2013 (Blair Resource Estimate), May 2014, 27 January 2015, 18 May 2015, 20 July 2015, 13 April 2017.
- Mavis Lake and Raleigh: Refer Company's announcements to ASX dated 15 March 2016, 20 April 2016, 13 July 2016, 26 July 2016, 12 October 2016, 2 December 2016, 7, 8 February 2017, 10 March 2017, 11 April 2017
- Pioneer Dome: Refer Company's announcements to ASX 19 May 2016, 27 July 2016, 28 August 2016, 1 September 2016, 4 October 2016, 17 October 2016, 14 November 2016, 2 December 2016, 13 December 2016, 13 January 2017, 24 January 2017, 23 February 2017, 20 March 2017, 22 March 2017

The Company it is not aware of any new information or data that materially affects the information included in this Report

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Contact us



+61 8 9322 6974



pioneer@pioresources.com.au



21 Ord Street, West Perth WA 6005



PO Box 1787, West Perth WA 6872

www.pioresources.com.au