Targeting Key Global Demand-driven Commodities

RIU Explorers Conference – Sydney May 2016

David Crook, Managing Director
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- This presentation is provided to you for the sole purpose of providing preliminary background technical, financial and other information to enable you to review the business activities of Pioneer Resources Limited (“Pioneer” or “the Company”).
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For further information
- (Acra) refer to the Company’s announcements dated 16 April 2014, 22 October 2014, 26 June 2015, 6 October 2015, 18 December 2015, 15 February 2016.
- (Mavis) refer to the Company’s announcements dated 15 March 2016, 20 April 2016,
- (Phillips River) refer to the Company’s announcements dated 6 April 2016
- (Donnelly River) refer to the Company’s announcements dated 26 April 2016
- (Pioneer Dome) refer to the Company’s announcements dated 29 April 2016
- Also refer to the Company’s quarterly Activities Reports.
- The Company it is not aware of any new information or data that materially affects the information included in this Presentation
Addition to Strategy

Li  
1.941  
Lithium
Pioneer is actively focussed on key global demand driven commodities

Lithium and Gold
Lithium Strategy
New Acquisitions

Mavis Lake: Ontario Canada
Pegmatite Field – Spodumene in drilling

Pioneer Dome: Eastern Goldfields
Mt Marion – Pegmatite Li

Phillip River: Ravensthorpe
Mt Cattlin - Pegmatite Li

Donnelly River: Greenbushes
Greenbushes – worlds Largest Pegmatite Li
The Lithium Market Today

- Estimated demand 2015: ~160,000tpta LCE (2014: ~150 ktpa)
- Lithium Market 'Value': ~US$900 million.
- Market could grow to 4-500ktpa in next decade.
- Brine sources are dominant supply at present.
- Time to construct and high capex of future brine production are creating opportunities for hard-rock projects.
- Australia is well-placed to play a significant role in future downstream/value-add production.
Potential Impact of Indicative Battery Factory Expansions – Creating Opportunities for New Suppliers

From Kingsnorth 2016
Dynamics of Global Lithium Demand 2011 - 2025

By 2025 global lithium demand will be almost 4X the demand in 2011

Source: SignumBox
Corporate Snapshot

FOCUSED
Global Demand Driven Commodities

FUNDED
Approx $2.2 million in cash

ACTIVE
Financial capacity to explore

LEVERAGE
Huge interest in Lithium
Gold is on the ascendancy
Pioneer Price and Liquidity is up.

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<tbody>
<tr>
<td>Current share price</td>
<td>2.6 cents</td>
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<tr>
<td>Shares on issue</td>
<td>900.4 million</td>
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<tr>
<td>Unlisted options</td>
<td>46.5 million</td>
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<tr>
<td>12-month range</td>
<td>1.0 – 3.2 cents</td>
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<tr>
<td>Cash</td>
<td>$2.2 million</td>
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<tr>
<td>Market capitalisation</td>
<td>$23.8 million</td>
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Well-Credentialed Board and Management

Craig McGown – Chairman (Finance)
- An investment banker 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
The Mavis Lithium Joint Venture Project
LCT Pegmatite Targets at Mavis
New Discoveries - Open to expansion

Near Surface Mineralization

New Discoveries

Untested

Untested

2.58% Li₂O/7.8m

1.86% Li₂O/26.25m

1.51% Li₂O/21.4m

2.53% Li₂O/6m

Parallel Zone of geochem and mag anomalies + pegmatite in DDH

Legend

- 2012 Drillholes
- 2011 Drillholes
- Historical Drillholes
- Section Drillhole Trajectories
- Fair Service Mining Leases

Drill intervals are as intersected and do not represent true thicknesses. For more information see Company news releases dated January 12, 2012 and February 19, 2013.

<table>
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<tr>
<th>Li</th>
<th>Ni</th>
<th>Au</th>
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<td>6.941</td>
<td>58.69</td>
<td>196.967</td>
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Targeted Mineralisation: Spodumene in LCT Pegmatite

- MF-11-08: 7m at 1.83% Li₂O from 4m
- MF-11-09: 7.8m at 1.86% Li₂O from 18.85m
- MF-11-12: 16m at 1.53% Li₂O from 125m
- MF-11-12: 26.25m at 1.55% Li₂O from 152m
- MF-11-13: 5m at 1.44% Li₂O from 19m
- MF-11-14: 3m at 2.15% Li₂O from 24m
- MF-12-24: 16.4m at 1.86% Li₂O from 161.9m
- MF-12-25: 5.15m at 1.75% Li₂O from 130.7m
- MF-12-28: 6m at 2.53% Li₂O from 6m
- MF-12-30: 6.95m at 1.45% Li₂O from 32.25m
- MF-12-33: 3m at 2.26% Li₂O from 22m
- MF-12-34: 5m at 1.5% Li₂O from 24m
- MF-12-36: 6m at 1.48% Li₂O from 31m
- MF-11-15: 5.35m at 1.51% Li₂O from 78.4m**

* All widths reported are drill core widths and have not been converted into true width. Appropriate rounding of Li₂O values applied.

** To date only 3 holes have been drilled at the Mavis Lake 18 Pegmatite, including MF-11-15.
Zonation in Pegmatites

Schematic regional mineral zonation outboard of a fertile, peraluminous S-type granite, showing swarms of associated pegmatite dykes.

PEG009 is an example of a complex LCT pegmatite with lepidolite mineralisation.
Phillips River

Roadside soil samples coloured by Lithium values in ppm.
(Data from Fletcher and Howard, 2010; Eddison and Fairall, 2012).

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Donnelly River (Greenbushes)

Donnelly Lithium Project tenements and geochemistry anomalies
(Morris P.A. 2008).
Geographic Focus Eastern Gold Fields

Acra Gold Project
Drilling continues to impress
Next phase – Drilling for a Mineral Resource
Acra Gold Project
A Growing Gold Project in Gold Bull Market is a Good Thing

Ironically, this was our lead project when we listed in 2003

Pioneer acquired the Gold Rights from Xstrata, after a history of nickel exploration

The Project had a 30,000 point geochemical database

The data contained a 20km long gold-in-soil anomaly

Over 100 of the existing (nickel) holes intersected over 1.0g/t Au.
Acra Gold Project
It’s a good thing to have Gold Project in this Market

With 20km of strike to explore we needed a ‘roadmap’

Work by D Isles, an aeromagnetic data specialist, has provided an exploration roadmap, using a 7 factor ‘weight of evidence’ approach.

Gold-focussed work infilling or extending ‘nickel’ generation geochemistry.
Acra Gold Project continues to deliver exciting results at a number of prospects.

Drilling Results confirm gold endowment.

Kalpini South:
- KSRC004: 10m at 6.38g/t from 61m
- KSRC004: 5m at 3.29g/t from 100m
- KSRC004: 8m at 1.45g/t from 85m
- KSRC005: 9m at 5.31g/t from 36m
- KSRC007: 13m at 3.31g/t from 94m
- KSRC007: 12m at 0.91g/t from 113m
- KSRC010: 3m at 5.44g/t from 128m
- KSRC010: 8m at 1.41g/t from 85m
- KSRC018: 18m at 1.98g/t from 97m
- KSRC021: 6m at 1.89g/t from 85m
- KSRC031: 9m at 6.17g/t from 60m
- KSRC032: 7m at 1.93g/t from 106m
- KSRC024: 0.22m at 116.5g/t from 131m
- KSRC025: 2.2m at 12.17g/t from 145.42m

Jubilee East:
- JERC002: 13m at 2.84g/t from 27m
- JERC003: 2m at 12.42g/t from 57m
- JERC007: 4m at 8.1g/t from 34m
- JERC010: 7m at 2.6g/t from 101m
- JERC038: 8m at 2.14g/t from 52m
Results provide evidence of parallel targets

- Conductors in sediments tested by aircore yield gold and arsenic anomalies.
- New targets appear as rungs in a ladder.
Results provide evidence of new targets over a big area – but still a fraction of the project’s extent.

- Similar orientation targets evident at Rainbow and Deep River Prospects, 2 kilometres south.

- **Deep River Aircore:**

  21m at 1g/t inc 3m at 4.6g/t
December quarter drilling

Results provide evidence of new targets over a big area – but still a fraction of the project’s extent.
Immediate Work Programs

Rare-metal geochemistry (Li, Cs, Rb, Nb and Ta) coupled with geological, structural and the new geophysical data will be the key to new-target generation.

**MAVIS**

- Ground magnetic survey: pegmatites are represented as magnetic lows.
- Soil geochemistry: Much of the property hasn’t been sampled.
- Drilling: to identify new, and further define known, spodumene occurrences.
- Work programs are scheduled to start in June 2016.

**PIONEER DOME**

- Soil geochemistry: 4000 samples covering 13 mapped pegmatites.
- Existing drilling: pegmatite intersections resampled.
- This work is in progress – early results this month.
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