CORE
EXPLORATION LTD

Offtake and Mining
FINNISS LITHIUM PROJECT
Company Update

December 2017

ASX code: **CXO**

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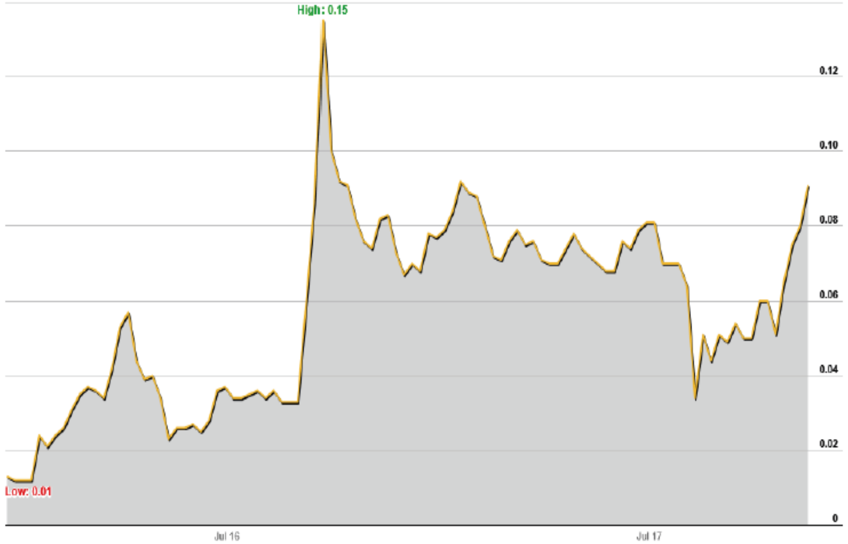
OFFTAKE AND MINING APPROVALS FINNISS LITHIUM PROJECT

- **1,000,000t Binding Offtake Agreement and $2M placement** to Yahua recently completed
- **US$20 million prepayment** facility secured with Yahua (one of China's largest lithium producers)
- **Mining Lease** Application lodged for development of Grants Lithium Resource
- Grants **DSO Mining and Concentrate Processing Approvals** Commenced
- **HOA with Darwin Port** for export
- **Preliminary Feasibility Study** (PFS) underway to be delivered Q1 2018 – targeting first production mid 2019
- Core has established one of the **Highest Grade Lithium Deposits in Australia near Darwin** in the NT
- **Resource Upgrade at Grants Q1 2018** and significant potential to grow Resources near Darwin
- **54m @ 1.4% Li_2O at nearby BP33 and 3 drill rigs active** on adjacent **recently acquired Bynoe Project**
- Core valuation growth to reflect move from **Explorer to Developer**

COMPANY INFORMATION

Shares

Price A$ (30/11/2017)	~$0.09
Shares on issue	~496M
Market cap	~$45M
Cash (30/11/2017)	~$5M
EV	~$40M



Directors

Stephen Biggins – Managing Director
ex SAU, IVR

Greg English – Chairman
AXE, LCK

Heath Hellewell – Non-executive Director
CMM, DKM, ex DRM

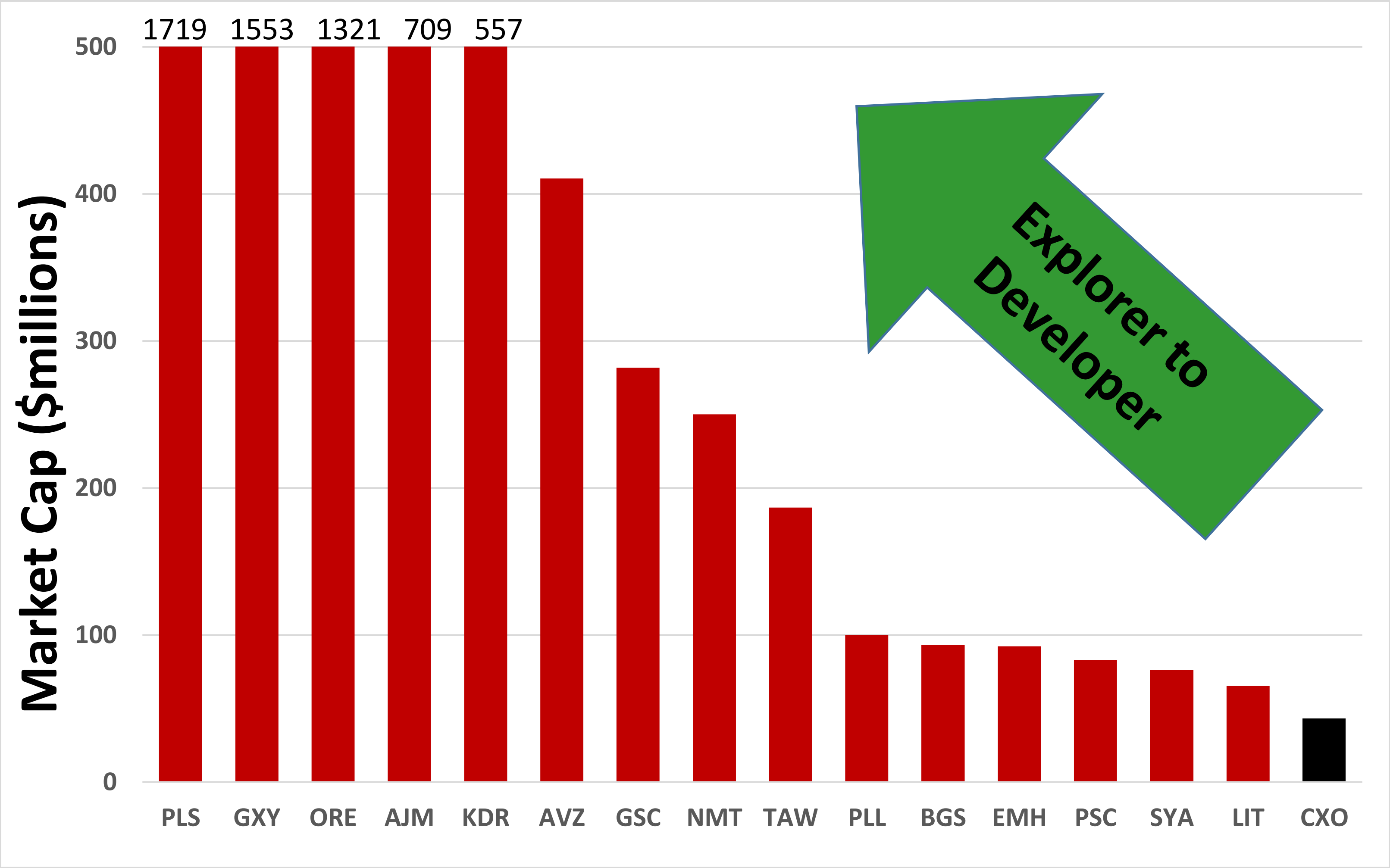
Management

Blair Duncan – General Manager Development

David Rawlings – Exploration Manager

Jarek Kopias – Co Sec / CFO

ASX LITHIUM SECTOR COMPARATIVE MARKET CAP



Binding Lithium Offtake and $20M Pre-Payment

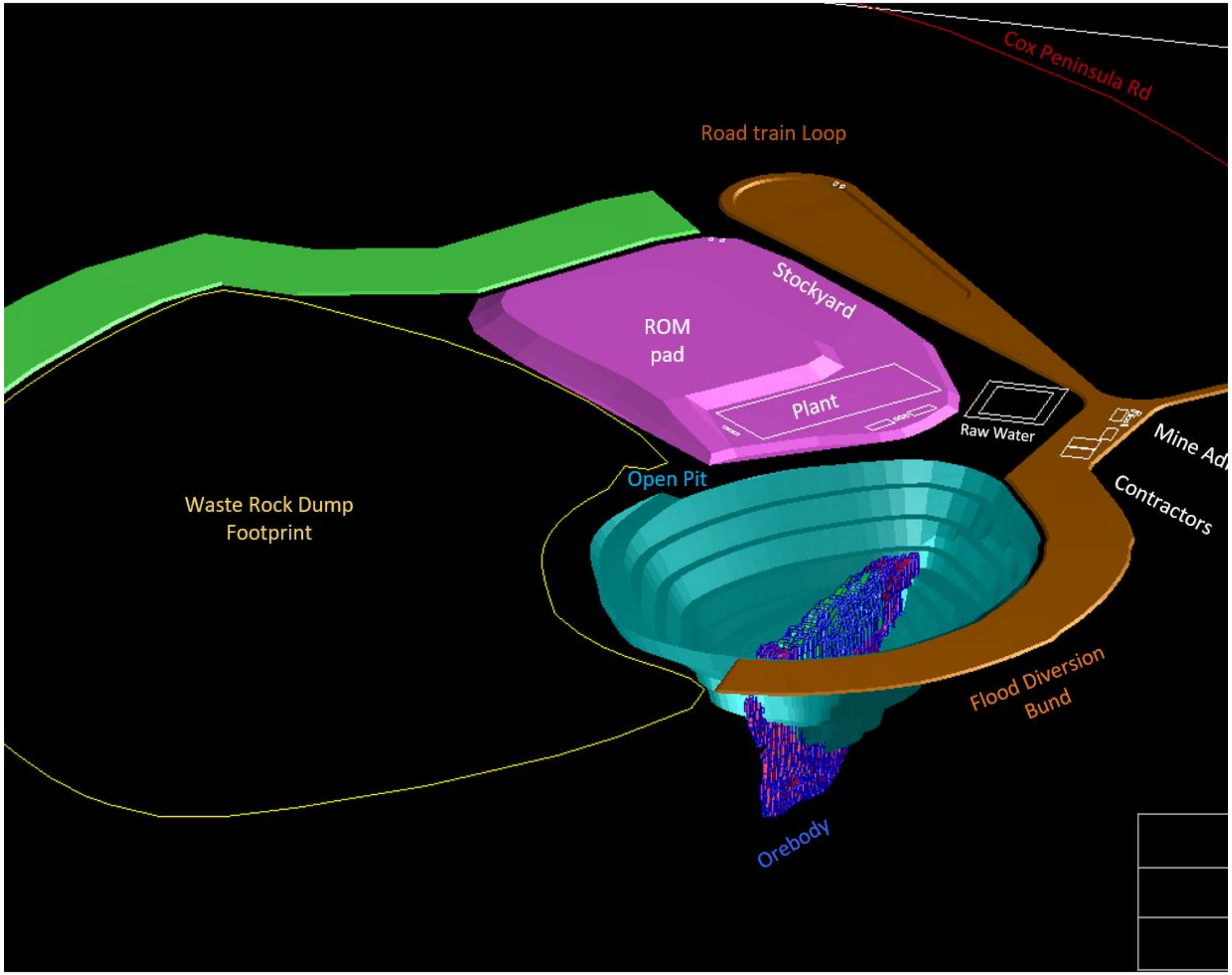
Core signs million tonne Binding Offtake and $20 Million Prepayment Agreement with Yahua

- Binding Offtake and Prepayment Agreements signed with $3B Market Cap Yahua
- Yahua is one of China’s largest lithium producers
- Offtake Agreement provides for the supply of 1 million tonnes of lithium DSO from Finniss Lithium Project
- US$20 million conditional prepayment facility, to be repaid through the supply of future DSO or Li_2O concentrate
- PFS expected Q1 2018
- Targeting first deliveries from mid-2019

PFS TO DEVELOP GRANTS UNDERWAY

DELIVERY Q1 2018

- ✓ **High Grade Resource**
- ✓ **Mine and Process Design**
- ✓ **Mining Lease application**
- ✓ **Regulatory approvals commenced**
- ✓ **Port Access HOA**
- ✓ **Infrastructure**
- ✓ **Offtake Agreement**
- ✓ **$20 Million Pre-Payment facility**



LITHIUM PRODUCTION MILESTONES

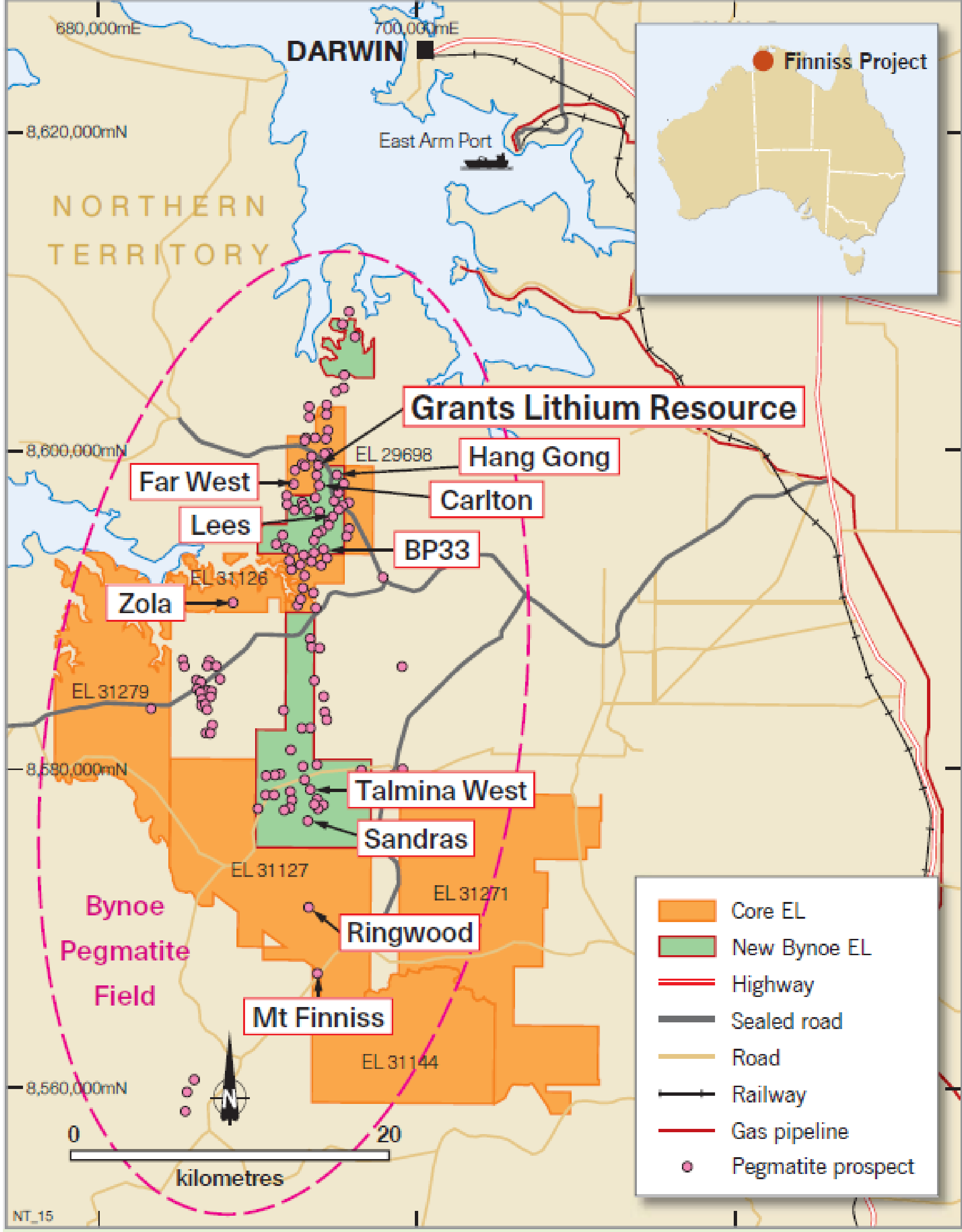
Milestone	Q4 2017	Q1 2018	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Q2 2019	Q3 2019
Apply Mining Lease	■							
Commence Development Approvals (NOI)	■							
Yahua Offtake	■							
Exploration and Resource Drill Results	■	■						
PFS		■						
EPA Response/Timeline		■						
Upgrade Grants Resource		■						
Potential Additional Resources		■						
Feasibility Study			■	■				
Addtional Offtake			■	■				
Project Finance			■	■				
Potential Additional Resources				■	■	■		
Approvals Received				■	■	■		
Commence Mining					■	■		
Ship First Ore							■	■

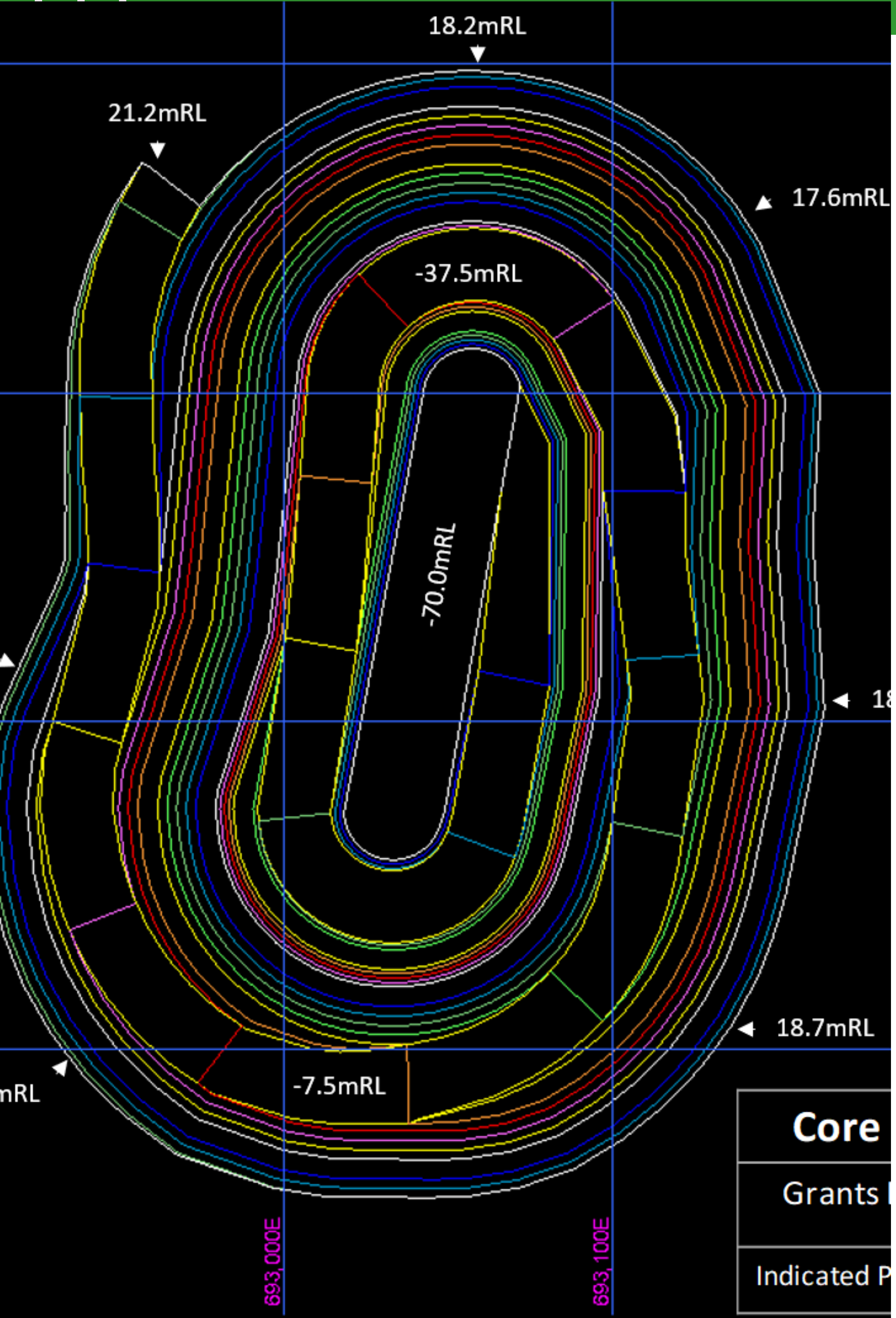
FINNISS AND NEW BYNOE LITHIUM PROJECTS

Development Project with Scale Upside

Core's dominant position in the Bynoe Pegmatite Field expanded by acquisition of Liontown's adjacent project, includes :

- One of Australia's highest grade lithium resources
- Over 100 historic pegmatite occurrences
- Large area ~500km^2 of tenements
- Granted mining lease over historic pegmatite mine
- Widespread high grade spodumene drill intersections at multiple prospects
- Existing and new large pegmatite targets to be tested
- Easy trucking distance by sealed road to Port Darwin





CXO FIRST LITHIUM RESOURCE IN THE NT

Less than 12 months from 2016 discovery to deliver one of the highest grade undeveloped lithium deposits in Australia

- Maiden Resource of 1.8Mt at 1.5% Li_2O defined at Grants in 2017
- Preliminary Mining Study shows strongly positive outcomes for potential development of DSO
- Mine Design and Baseline Environmental Studies Underway
- Mining Licence (ML) Application made in October 2017
- Notice of Intent (NOI) lodged in Nov 2017 for regulatory approval for development of Grants with NT EPA
- EPA Response expected Q1 2018
- PFS underway and expect to complete Q1208

$6\%\ Li_2O$ CONCENTRATE AT > 80% RECOVERY IN METALLURGICAL TESTWORK OF DSO SPODUMENE

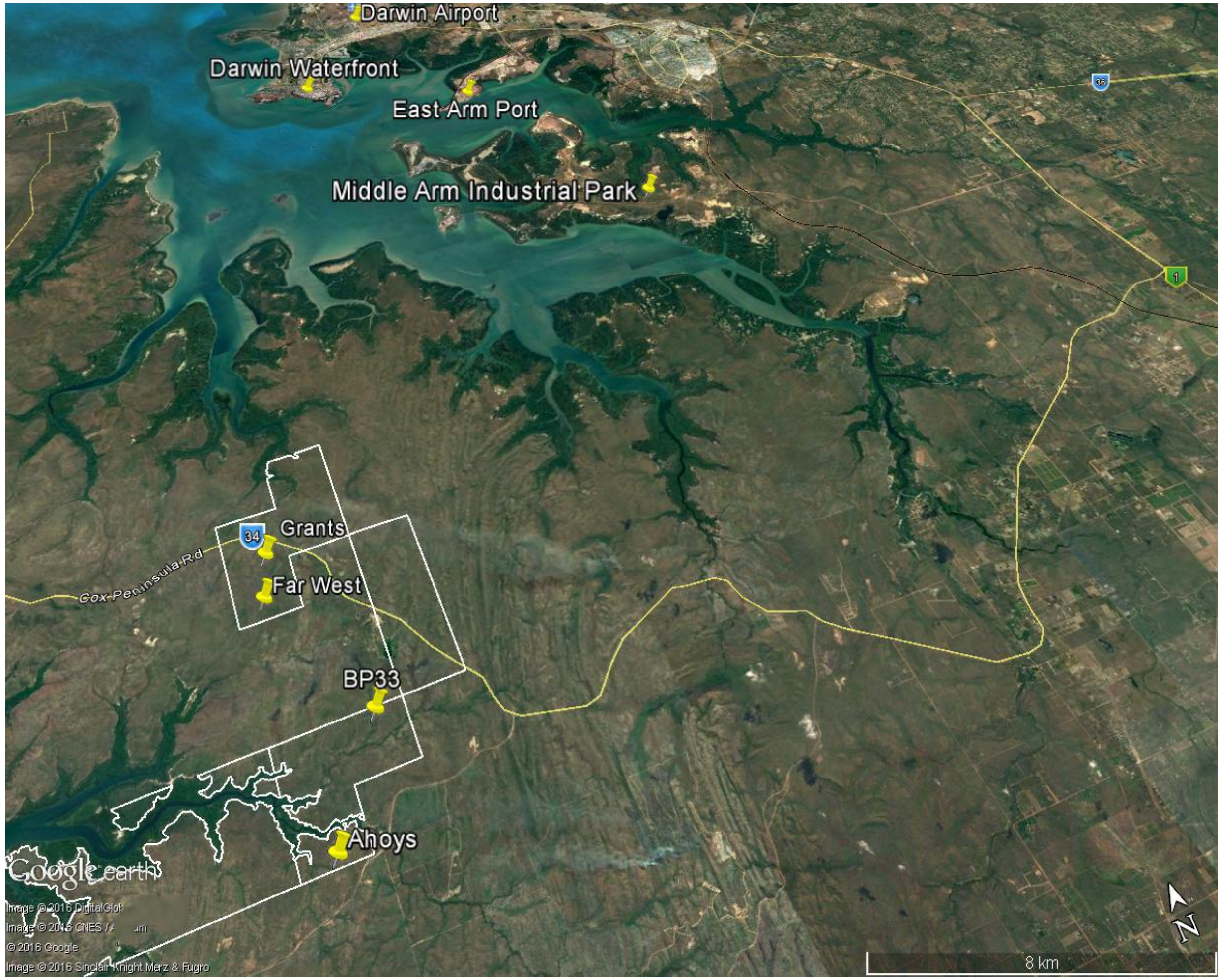
- Metallurgy confirms value of DSO Spodumene Ore from Grants
- Customers recognise the good metallurgy of Grants Spodumene DSO
- A low capex DMS process may produce a high value ~5% Li_2O concentrate product at acceptable recoveries as an additional early development option to DSO
- Further review of development options in PFS in context of potential additional resources expected in Q1 2018

8.10% Li_2O Spodumene from HLS Testwork

GRANTS DSO INFRASTRUCTURE

SUBSTANTIAL INFRASTRUCTURE ADVANTAGES – LOW TRANSPORT COSTS

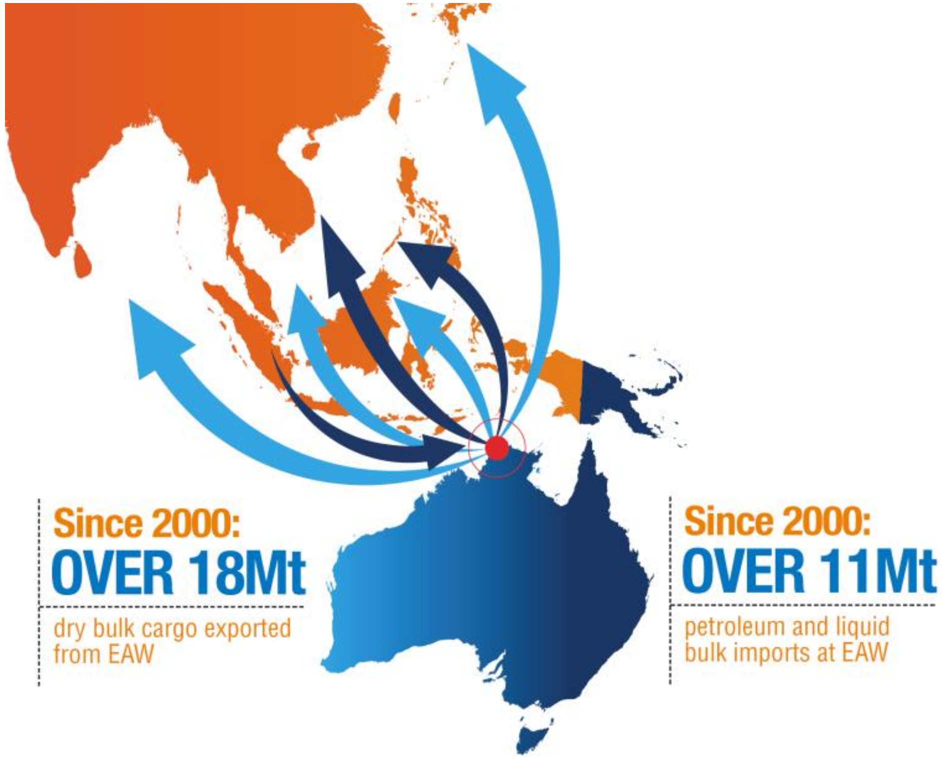
- Core's Finniss Lithium Project has substantial infrastructure advantages
- Potentially best logistics chain to China of any Australian lithium project
- Darwin Port located in close proximity (80km by sealed road) to Grants
- Grants is close to grid power, gas and rail infrastructure and within easy trucking distance by sealed road to Port Darwin

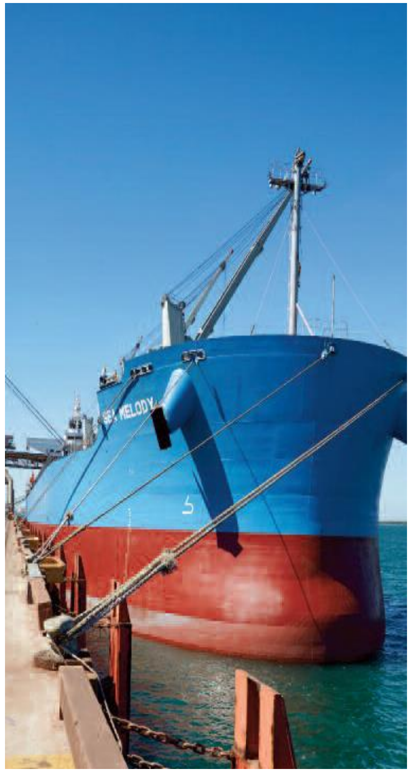


DARWIN PORT AGREEMENT

CORE HAS AGREEMENT WITH DARWIN PORT TO SHIP 1MT/Y OF SPODUMENE

- Heads of Agreement signed with Darwin Port in respect of potential export of lithium products from Grants
- Agreement provides Core with capacity to export up to 1Mtpa of spodumene direct shipping ore (DSO) or up to 250,000 tpa of spodumene concentrate
- East Arm Wharf facilities at Darwin Port are well suited to handle potential future production from Core's lithium projects
- Darwin Port is Australia's nearest port to China

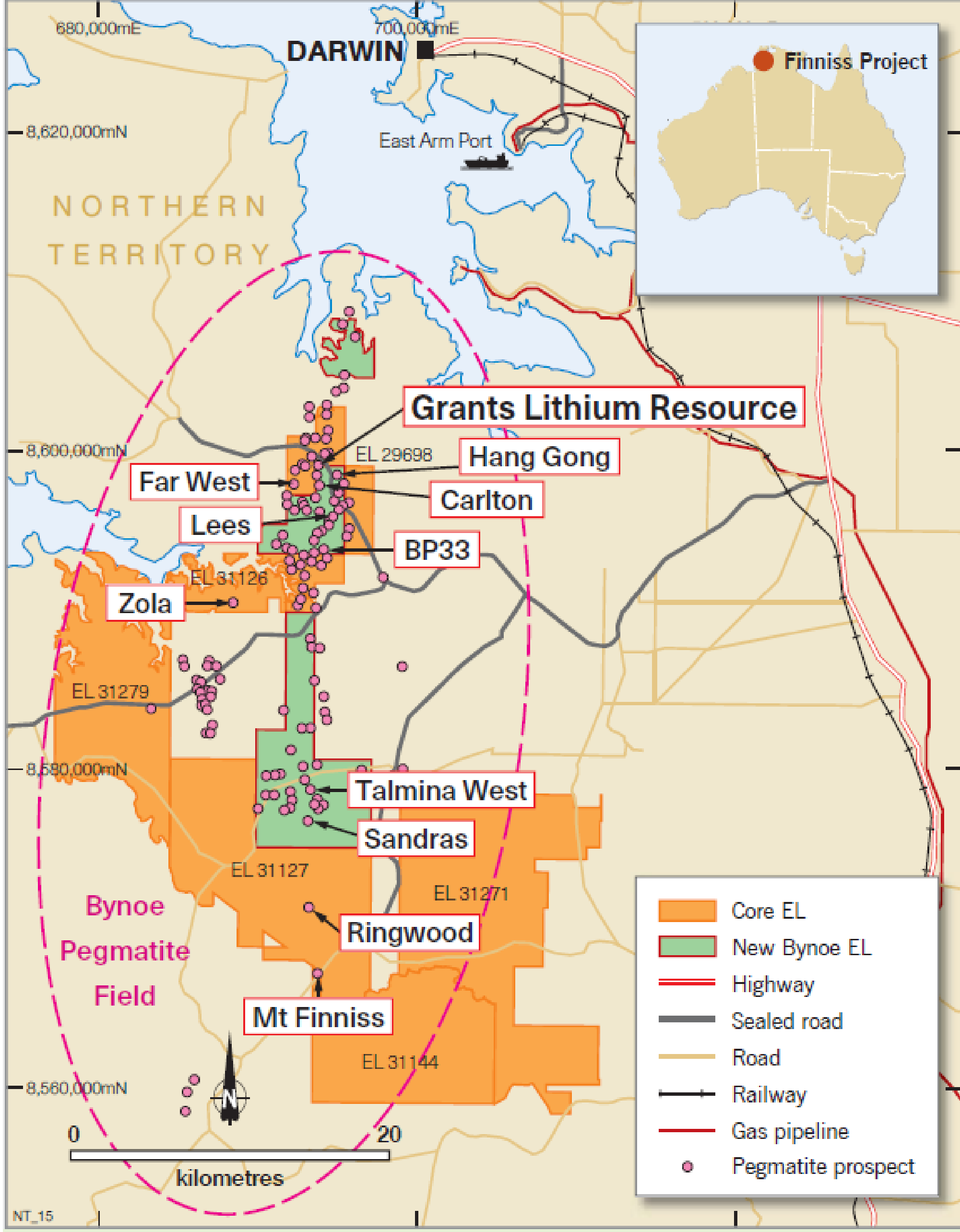




2017/2018 LITHIUM EXPLORATION

Drilling underway

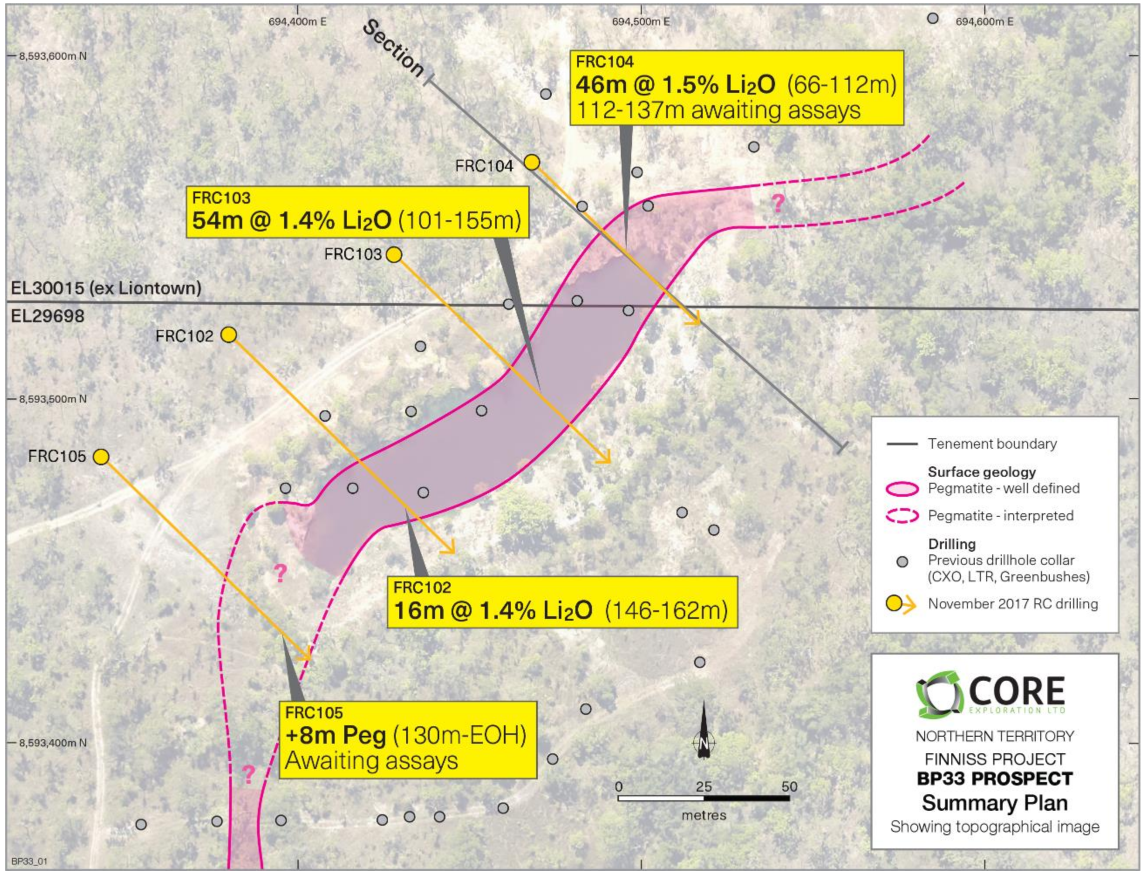
- Current Exploration and aggressive drill programs into 2018 to target building a resource base to support a long-life lithium production operation
- 3 rigs currently drilling : shallow RAB and deeper RC and Diamond Drilling underway
- Exploration to date has discovered some of the highest grade lithium in Australia, capable of producing a quality chemical grade spodumene concentrate
- Numerous high grade lithium pegmatite targets already identified
- High potential for additional Resources



Wide High Grade Lithium Intersections at BP33

BP33 only 5km from Grants

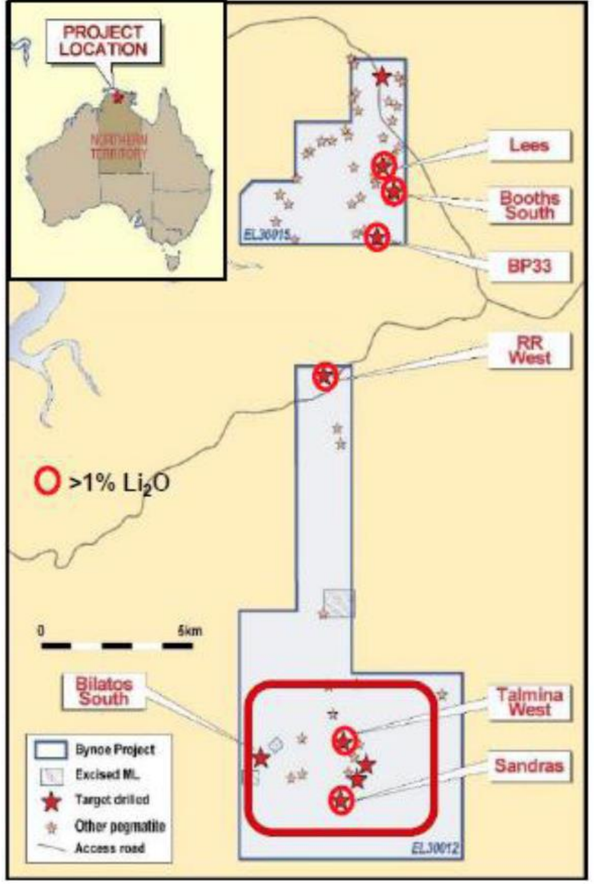
- Recent high-Grade Lithium drill assays received from BP33, including:
  - 54m @ 1.42% Li_2O from 101m in FRC103
  - 46m @ 1.51% Li_2O from 66m in FRC104
- New High grade lithium intersections represent some of the widest spodumene intersections ever drilled in the NT
- Results confirm that BP33 spodumene pegmatite is open along strike both to the north and to the south, and is thicker at depth than anticipated
- Diamond Drilling has commenced immediately at BP33 to undertake follow-up drilling for an initial Resource estimate for BP33

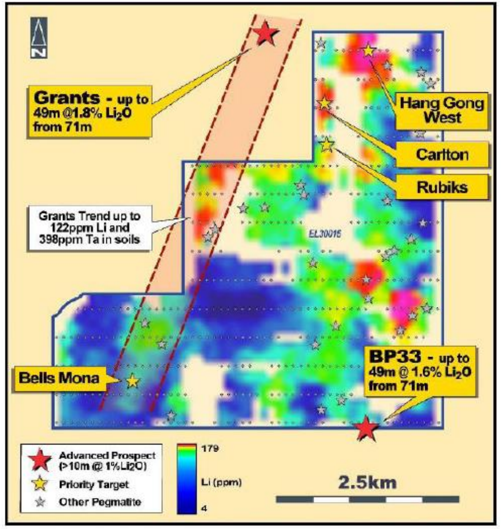


NEW BYNOE LITHIUM PROJECT

Widespread spodumene above 1% Li_2O

- Previous drilling has confirmed widespread spodumene related lithium mineralisation above 1% Li_2O within the new Bynoe Project
- Broad zones of ore grade already discovered at other prospects including Sandras prospect (42m @ 1.0% Li_2O)
- The acquisition adds a large number of untested, highly prospective lithium pegmatite targets to Core’s portfolio, including over 50 historic pegmatite prospects
- Exploration drilling recently commenced on Bynoe Lithium Project





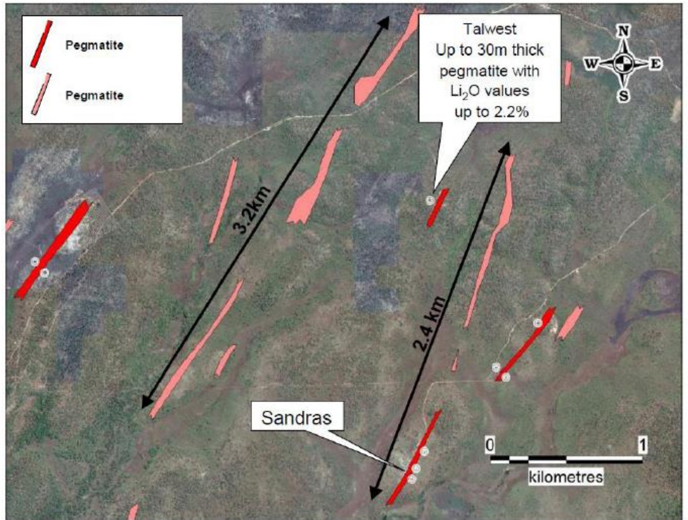
Figures 2-5 (clockwise from top left)

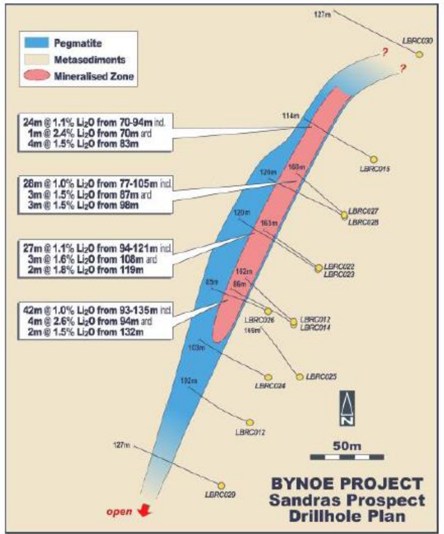
Fig 2. Bynoe Lithium Project Key Prospects

Fig 3. EL 30015 Key Prospects adjacent to Grants and BP33

Fig 4. EL 30012 Sandras Regional Pegmatite Targets

Fig 5. Sandras Prospect Drillhole Plan





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1-Dec-17	Core Enters into Lithium Offtake and Prepayment Agreements
27-Nov-17	Wide High-Grade Lithium Drill Intersections at BP33
20-Nov-17	Bynoe Lithium Project Drilling Update
16-Nov-17	Widest Spodumene Pegmatite Intersections at BP33
9-Nov-17	Applies for Approval to Develop High-Grade Lithium Deposit
19-Oct-17	Core Applies for Mineral Lease to Develop Lithium Mine
14-Sep-17	Core acquires Bynoe Lithium Project from Liontown Resources
29-Sep-17	Placement to Yahua to advance Finniss Lithium Project
8-May-17	Core defines first Lithium Resource in the NT
30-Mar-17	Test work produces high quality 6% spodumene concentrate
7-Mar-17	Non-Binding Heads of Agreement with Darwin Port
2-Feb-17	Final drilling assays deliver outstanding high grade lithium