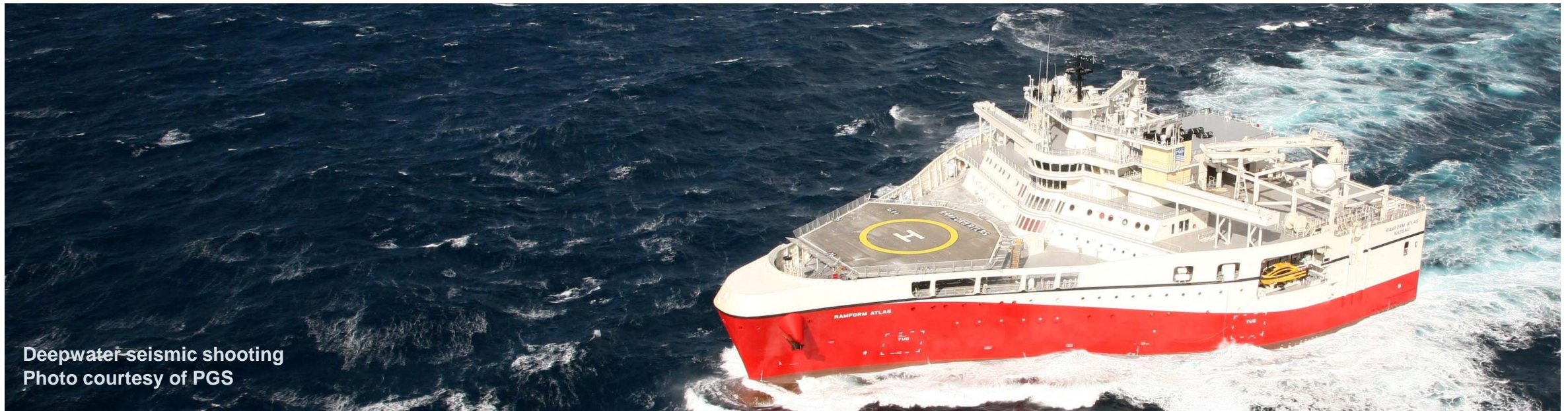


Value creation through exploration

27 June 2016

Laura Tyler, Head of Geoscience



Deepwater seismic shooting
Photo courtesy of PGS

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This presentation contains forward-looking statements, including statements regarding: trends in commodity prices and currency exchange rates; demand for commodities; plans, strategies and objectives of management; closure or divestment of certain operations or facilities (including associated costs); anticipated production or construction commencement dates; capital costs and scheduling; operating costs and shortages of materials and skilled employees; anticipated productive lives of projects, mines and facilities; provisions and contingent liabilities; tax and regulatory developments.

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Key themes

- **A focused exploration approach**
 - regional exploration teams supported by globally integrated geoscience expertise
 - exploration investment through the cycle
 - more targeted analysis has generated high-quality portfolio
- **Targeting deep water oil in the Gulf of Mexico, Caribbean and Western Australia**
 - analysis of high-quality data underpins our prospects
 - testing three basins over the next three years
 - counter-cyclically securing additional acreage and rigs
- **Pursuing greenfield copper discoveries with a focus on the Americas and Australia**
 - improvements in geoscience and technology are increasing drilling efficiency
 - progressing potential opportunities in preferred deposit types
 - seeking partnerships with junior explorers to de-risk projects and secure future options

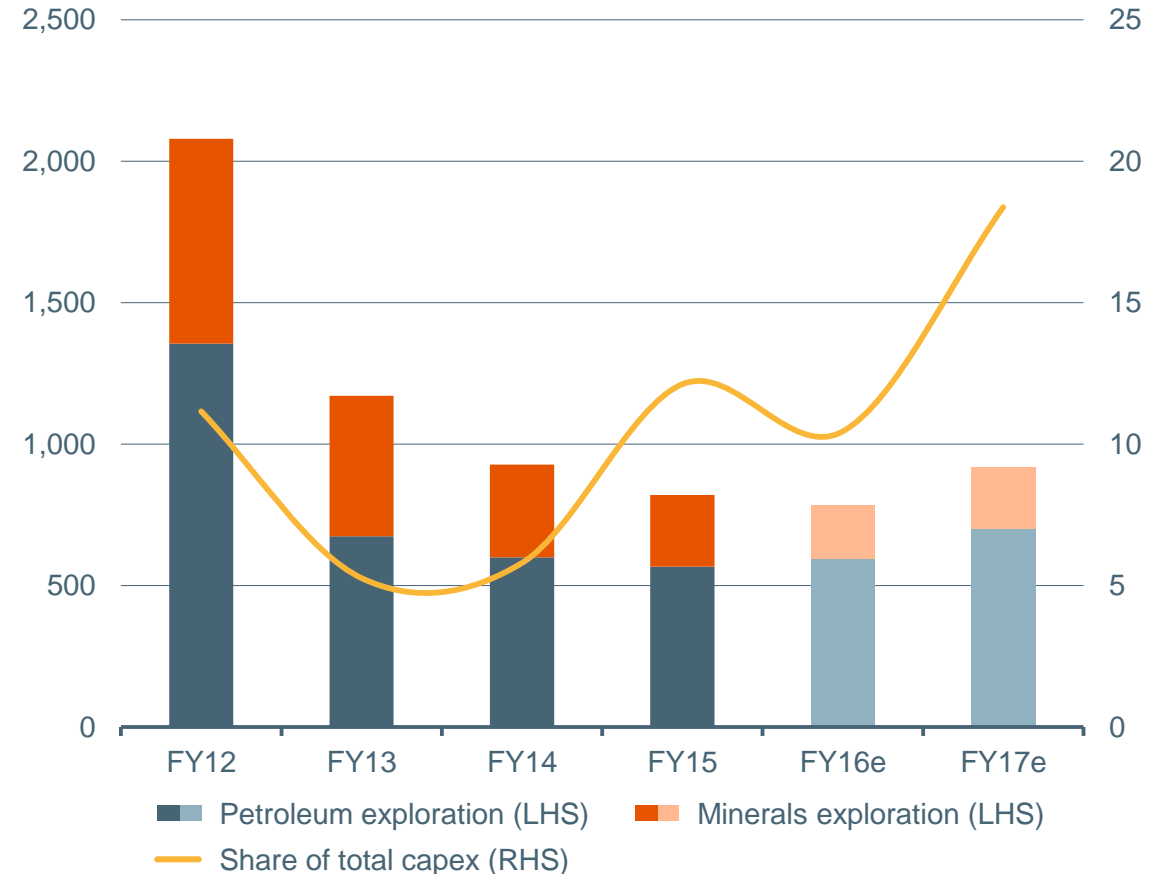
A value-focused exploration approach

- Exploration is a key source of value creation
 - investment through the cycle with US\$700-900 million of annual spend anticipated from FY16 to FY18
 - exploration increases as a proportion of total capital expenditure as we accelerate evaluation
- We have the right people and processes
 - regional based exploration teams supported by globally integrated geoscience expertise
 - right data and fit-for-purpose systems
- A focused portfolio of opportunities in copper and conventional oil
 - further brownfield potential in our large, long-life, low-cost assets
 - seeking large greenfield discoveries in copper and oil to complement our strong portfolio of tier 1 assets
 - access to preferred ore bodies and fields supported by key stakeholder relationships and financial strength

A key component of value creation through the cycle

(capex, US\$ million)

(share of total capex, %)

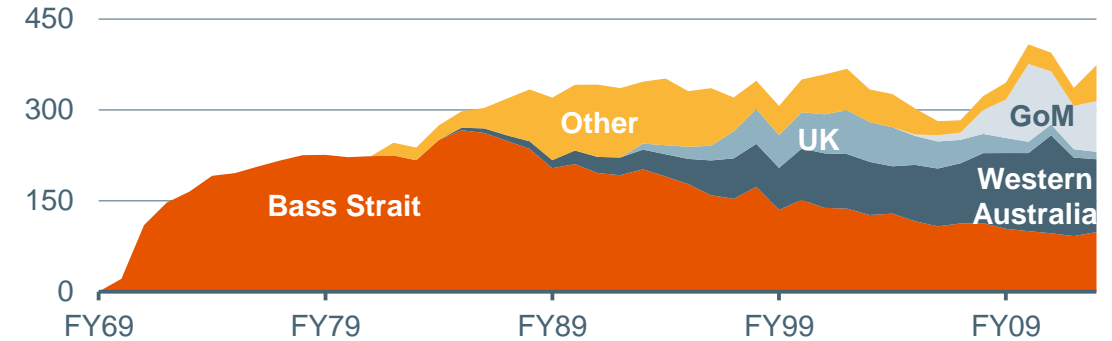


Targeting tier 1 opportunities in Petroleum

- Our Petroleum exploration program has delivered success
 - Bass Strait (1960s): Australia's first world-class hydrocarbon province
 - Angostura (1990s): discovered gas field in Trinidad and Tobago
 - Gulf of Mexico (2000s): discovery and development of Shenzi deepwater oil and gas field
 - Permian (2010s): defined core area and identified optimal production horizons
- We continue to seek potential tier 1 opportunities...
 - 5 Bboe petroleum system
 - 1 Bboe potential (net to BHP Billiton)
 - multiple 250 Mmboe pools
 - >100,000 kboe/d (net to BHP Billiton)
- ...with characteristics to maximise returns
 - supportive fiscal terms
 - 'early mover' advantage
 - security of tenure

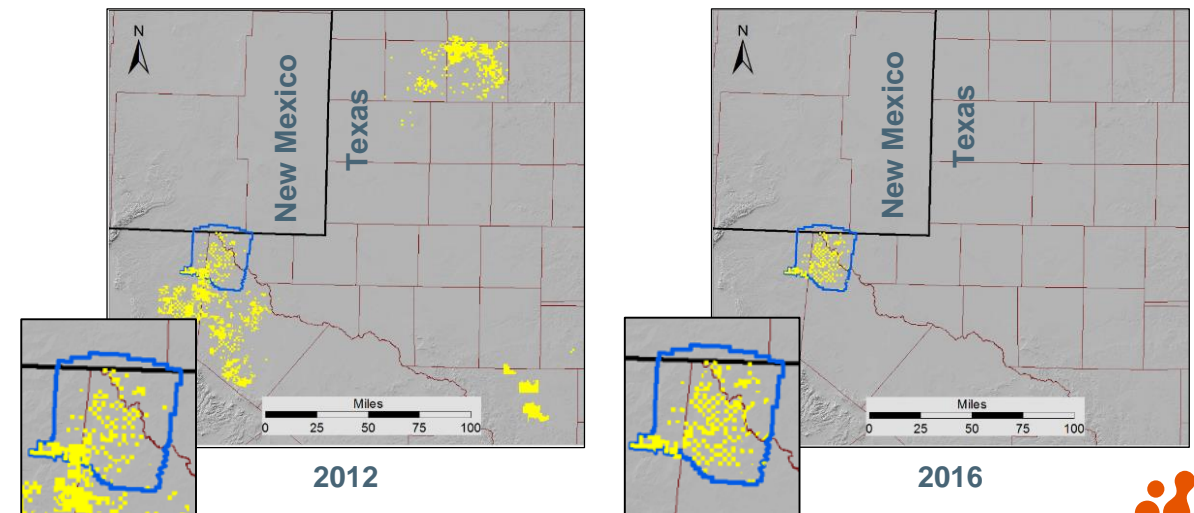
A long history of Conventional exploration success

(production, kboe/d)



Optimised Onshore US acreage through exploration

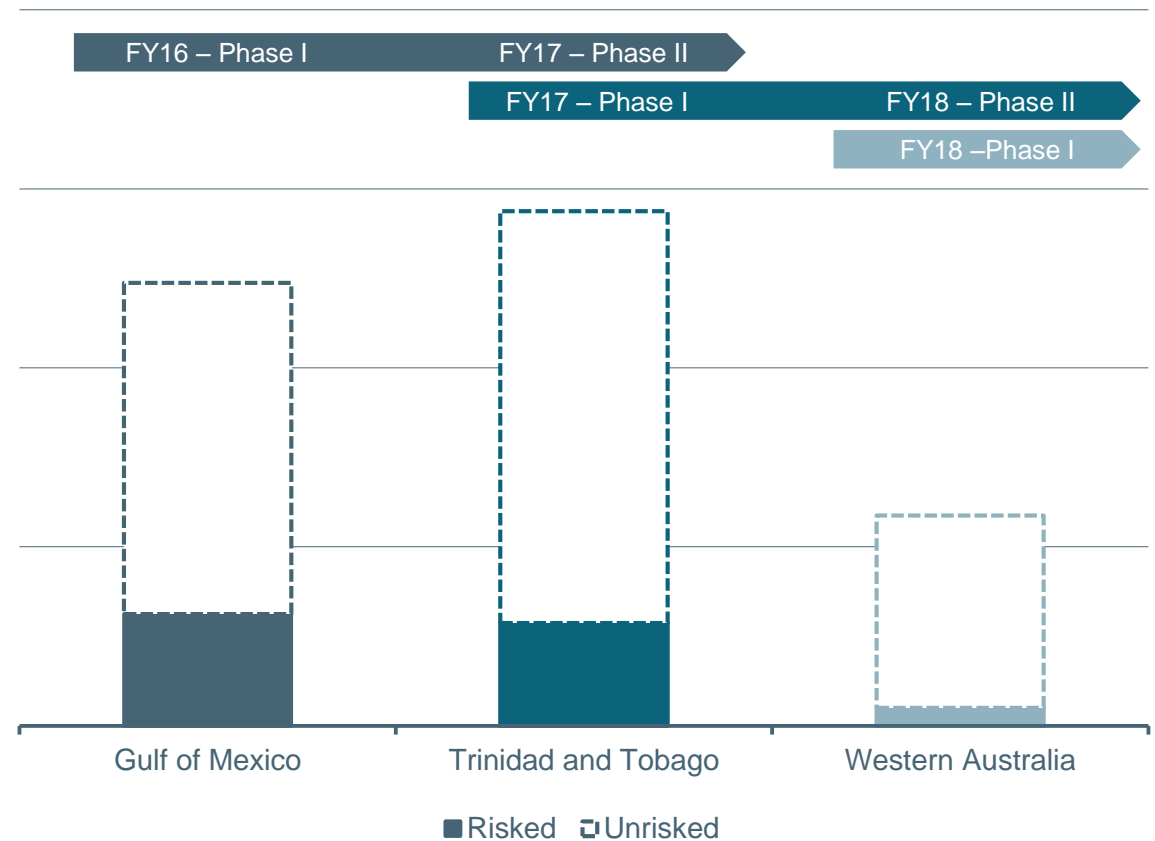
(Permian acreage)



A focused oil exploration program

- Based on our global endowment study we have built a position across six plays in the deep water
 - Paleogene and Cretaceous in the Gulf of Mexico
 - Pliocene, Miocene and Paleogene in the Caribbean
 - Jurassic in the Beagle sub-basin
- Evaluation of tier 1 oil potential supported through...
 - high-quality, comprehensive 3D seismic data
 - best-in-class technical computing infrastructure
 - maturing opportunities in the fastest timeframe
- We aim to test these plays through a drilling program over the next three years
 - drilling underway in Trinidad and Tobago
 - program accelerated by securing additional rig currently en route to Gulf of Mexico to drill in parallel

Significant exploration potential in the next three years (value¹, BHP Billiton share)

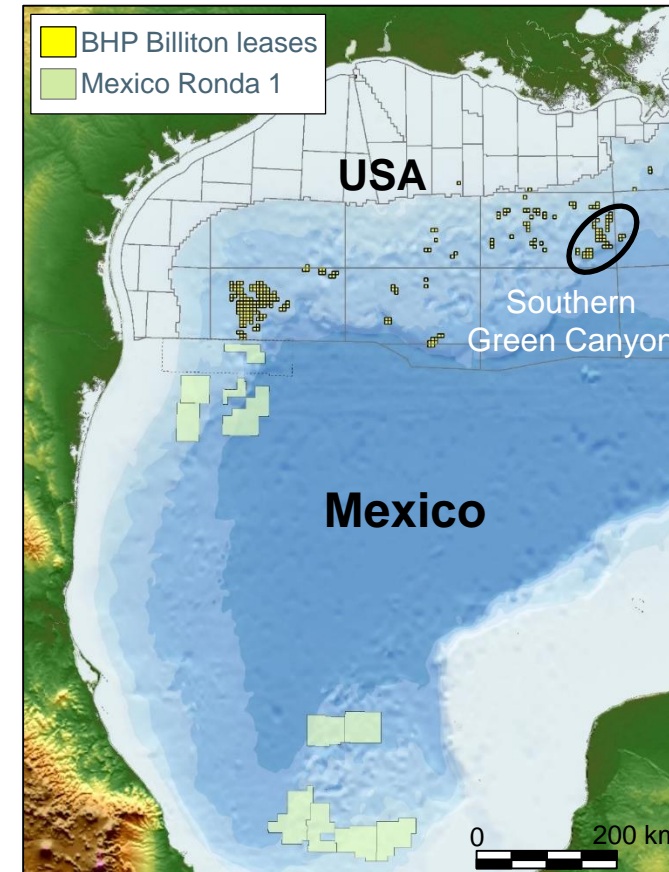


1. Under our long-term price forecasts; BHP Billiton share.

Gulf of Mexico remains highly prospective

- We have a track record of successful exploration and operations in the Gulf of Mexico
- We continue to build our acreage position in the current low oil price environment
 - 91 blocks secured in past nine months with no well obligations
- Shenzi North exploration wells encountered hydrocarbons
 - assessing nearfield potential in our Southern Green Canyon production heartland
 - accelerated plan to further appraise the basin by drilling the Caicos well early in FY17
- Possible opportunities beyond Shenzi North
 - Paleogene and Cretaceous plays in the western Gulf of Mexico
 - continue to evaluate deepwater for potential access in Mexico

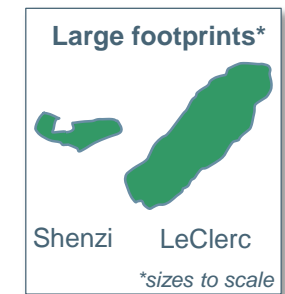
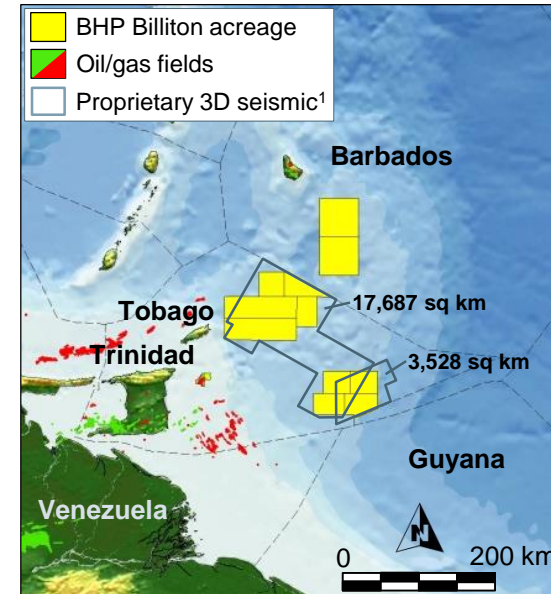
Significant acreage offers tier 1 oil potential



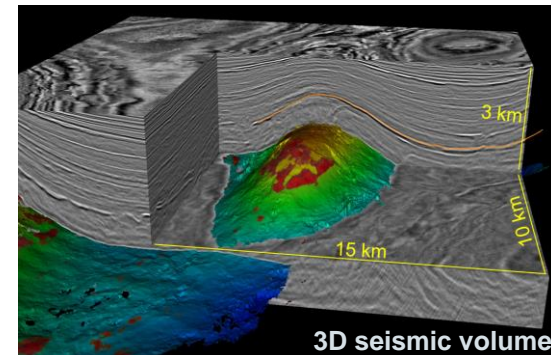
First mover advantage in the Caribbean

- We have built a dominant 'first mover' deepwater acreage position in Trinidad and Tobago, and Barbados
 - ~17,500 sq km across two plays
 - eleven blocks (nine in Trinidad and Tobago, and two in Barbados)
 - 60% to 100% BHP Billiton equity
- Safely completed largest seismic survey ever undertaken by an Independent Oil Company in FY14-15
- Ongoing evaluation of the high quality 3D seismic continues to support tier 1 potential
- Staged program to test three independent plays
 - stage 1: completed data acquisition and interpretation
 - stage 2: commenced first of 3 wells, LeClerc, spud in May 2016
 - stage 3: further 5 well drilling campaign

Leading 'first-mover' acreage position



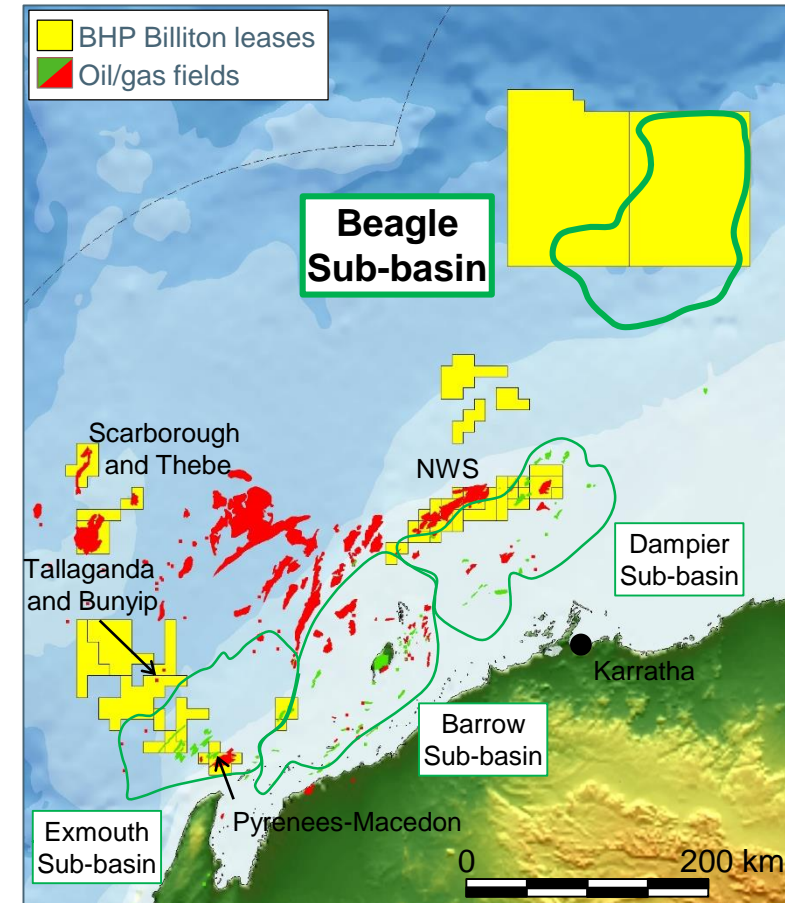
Trinidad and Tobago LeClerc prospect



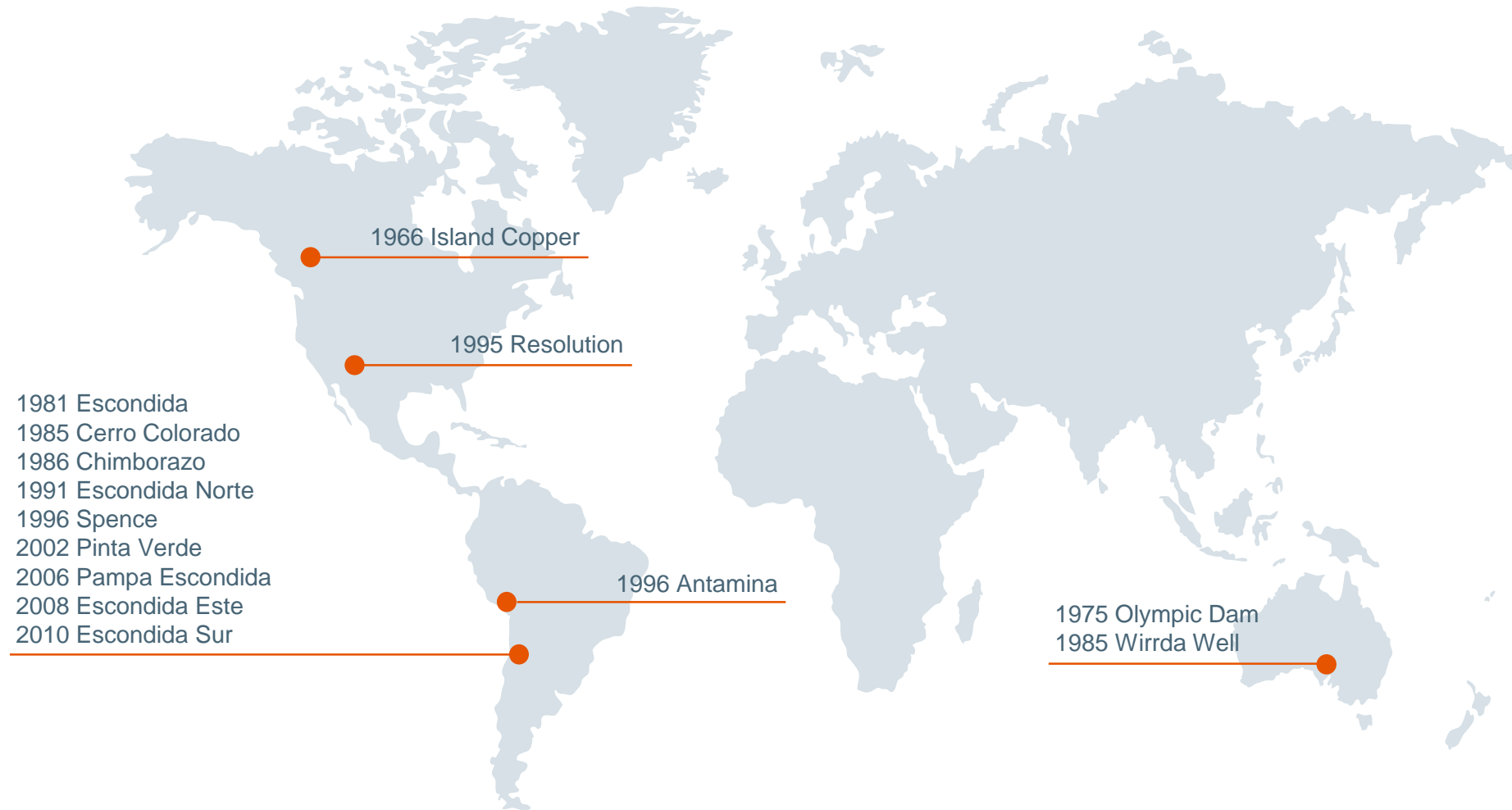
Prospective position in Western Australia

- We have accessed a dominant position over largely untested Northern Beagle sub-basin
 - farmed into two blocks totalling ~25,000 sq km
 - 55-60% working interest and operatorship
- >30,000 sq km of 3D seismic data accessed
- Sub-regional evaluation in progress
 - targeting Jurassic-aged play
 - drilling decision expected in FY17

A dominant position in the Northern Beagle sub-basin



A history of successful copper exploration



21 additional deposits were discovered and divested based on competitiveness within the BHP Billiton portfolio.

Laura Tyler, Head of Geoscience

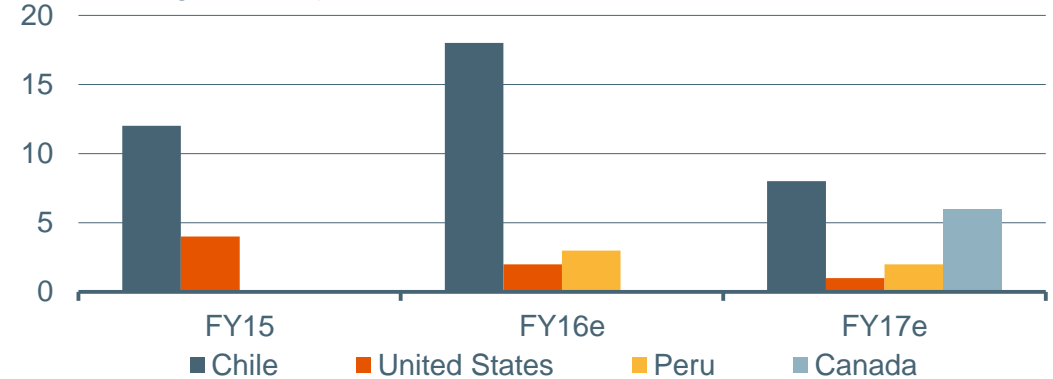
27 June 2016

Copper exploration remains a strategic priority

- Safe, focused and disciplined programs
 - brownfield exploration has maximised our existing ore bodies
 - current focus on greenfield copper exploration with annual budget of >US\$60 million from FY16 to FY18
- >1.6 million hectares with >100 active projects in different stages
 - 102,000 and 41,000 additional hectares acquired in Peru and the South West US in FY16, respectively¹
 - seeking partnerships with junior explorers to de-risk projects and secure future options
- Greenfield discoveries can deliver copper for US\$0.02 to US\$0.04 per pound
 - 44% increase in targets tested in FY16
 - reduced operating costs by 70% per metre drilled since 2013

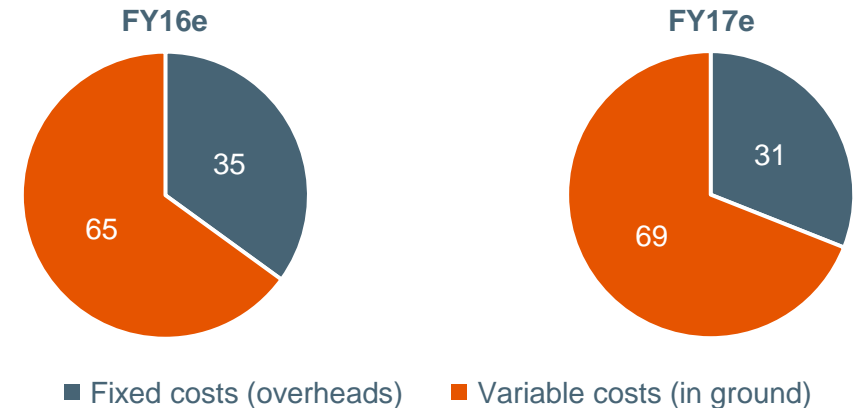
Increased drilling activity at prospective projects

(number of targets tested)



A greater focus on in ground expenditure

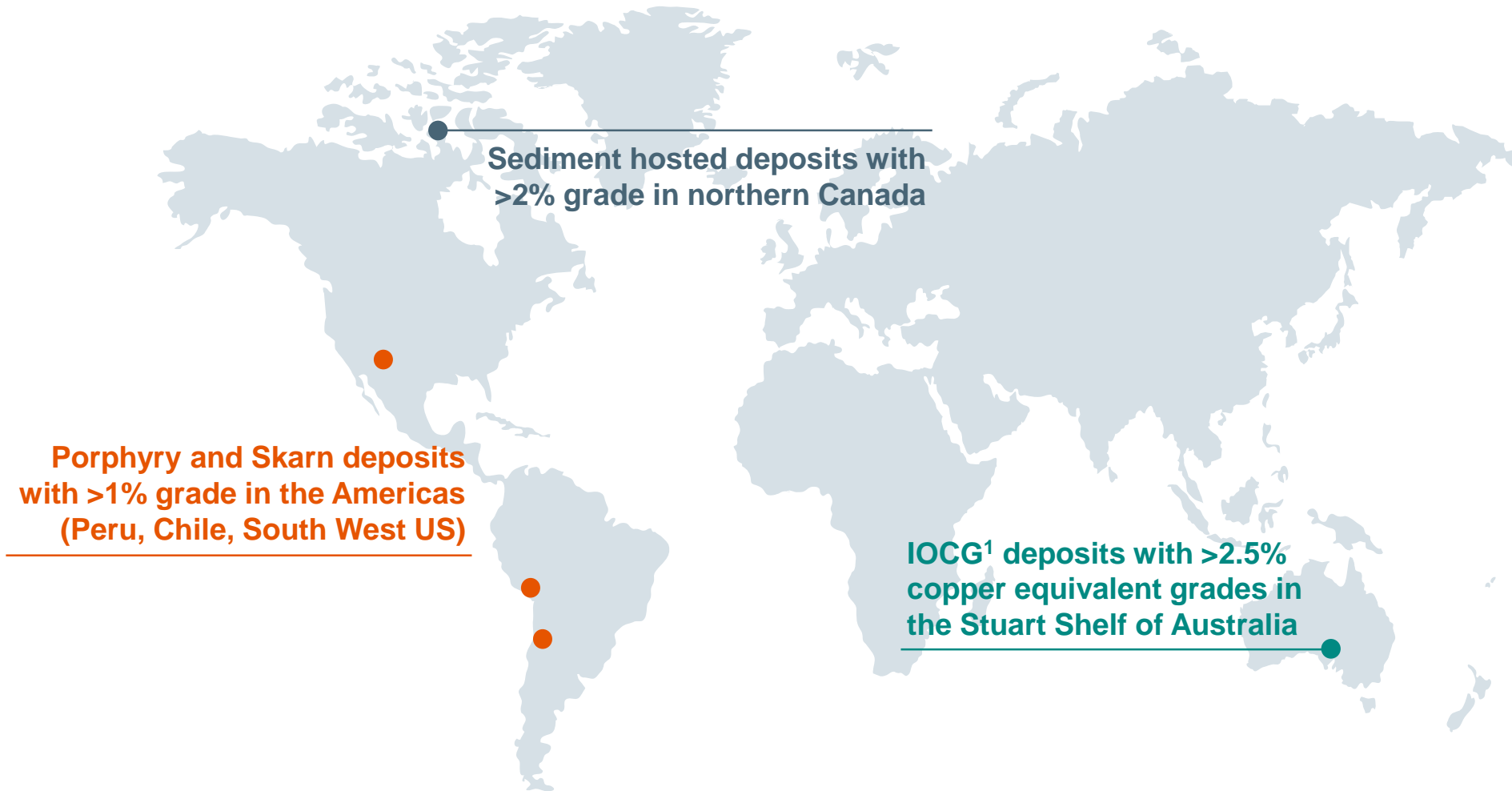
(%)



1. Subject to regulatory approvals.

2. Based on industry exploration costs and BHP Billiton analysis; considers discoveries with an identified resource ≥ 1 Mt of contained copper.

Targeting large, high-grade, long-life, option-rich deposits

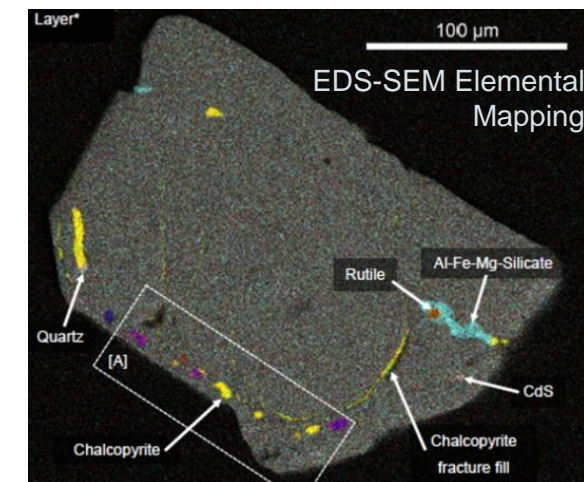
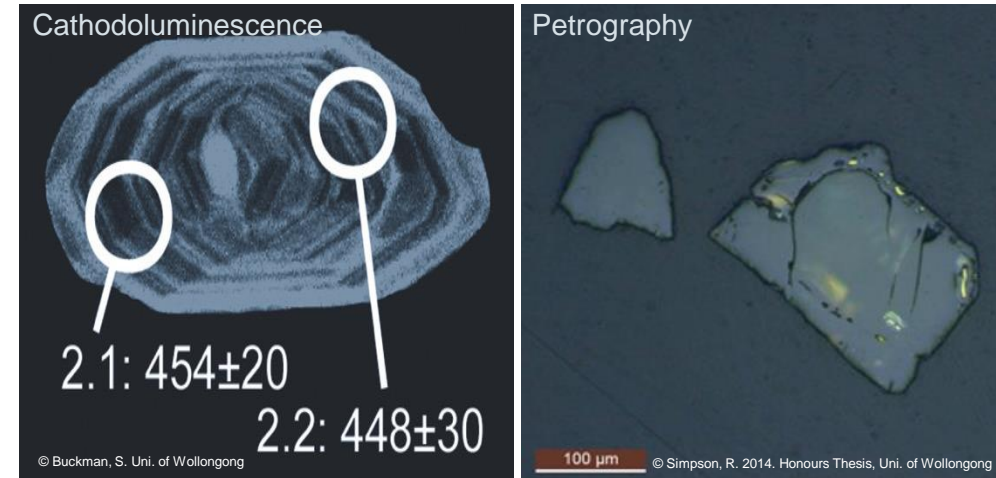


1. Iron ore, copper and gold poly-metallic ore body.

The next generation of copper exploration

- We have a wide range of improvement initiatives
 - partnerships with Bristol and Wollongong Universities on determination of mineralisation
 - potential to leverage our Petroleum geoscience to identify prospective sediment-hosted-copper deposit basins
 - Centre of Excellence and increased team focus
- The use of technology will improve expenditure efficiency
 - drone mounted sensors allow greater coverage and improve safety
 - down-hole assay tool allows rapid, on-the-ground analysis and sampling
 - potential to apply Petroleum directional drilling techniques to Copper exploration

Improved mineral characterisation through partnerships and technology (determination of zircon mineralisation, Wollongong University)



© Simpson, R. 2014. Honours Thesis, Uni. of Wollongong

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