



Carpentaria Exploration Ltd Investment Update

May 16th 2013

We find it. We prove it. We make it possible.



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CARPENTARIA EXPLORATION

Company Snapshot



ASX : CAP

FINANCIAL 10th May 2013

Cash A\$3.8 million

ISSUED SECURITIES

108 m shares

BOARD OF DIRECTORS

Nick Sheard - Geophysicist

Bob Hair - Lawyer

Bin Cai - Accountant

Neil Williams - Geologist

Paul Cholakos - Mining Engineer

Share Price and Volume 12 months



[Open in a new window](#)

KEY ASSET

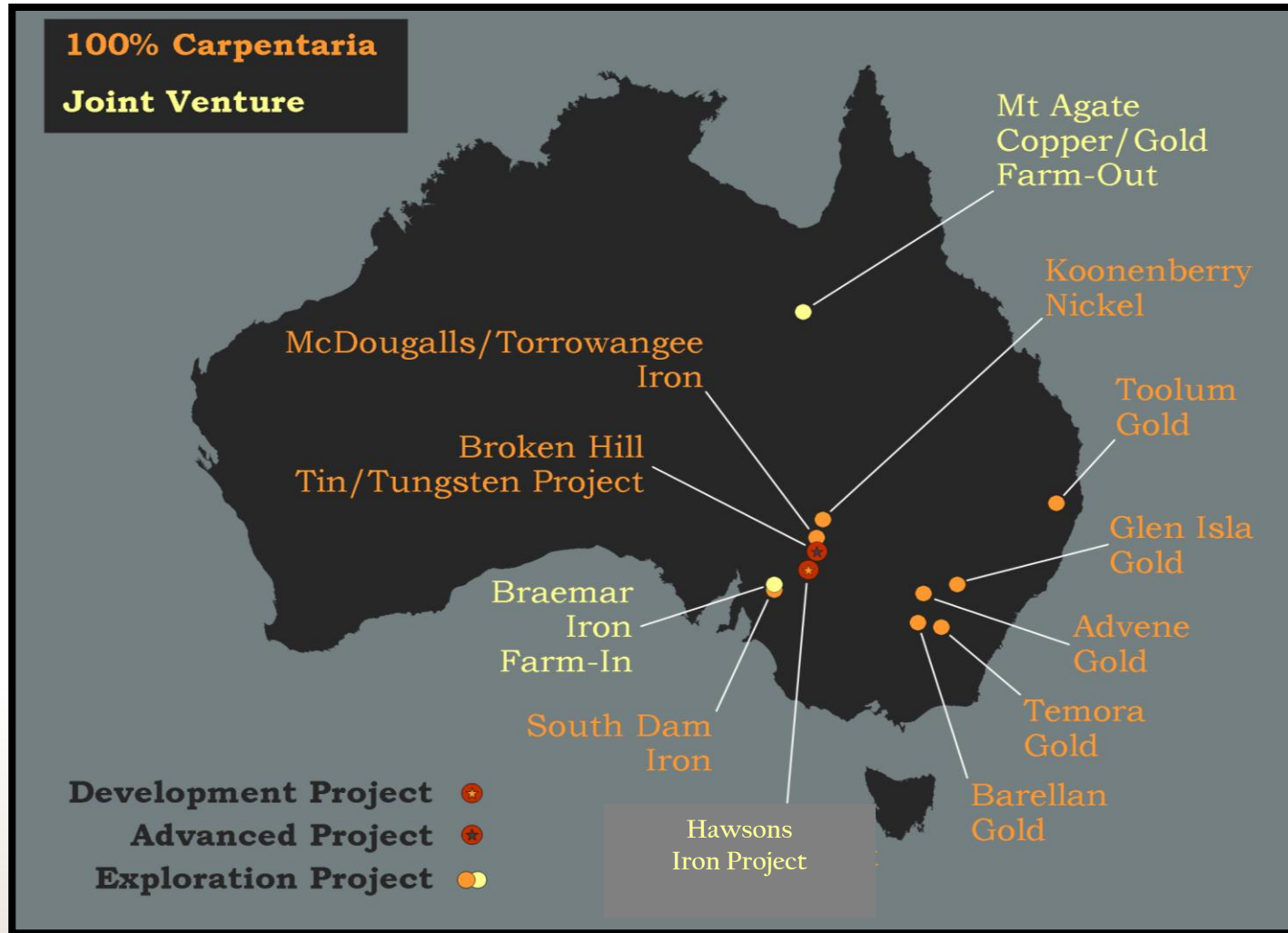
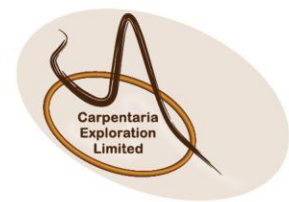
**Hawsons Iron Project JV – Carpentaria 60%
Pure Metals 40%***

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* Awaiting assignment of project

CARPENTARIA'S PROJECTS

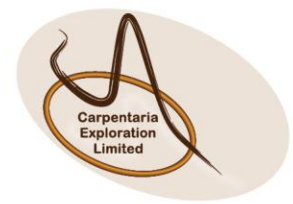


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BRAEMAR IRON PROVINCE

Australia's Emerging Iron Supplier



Rail Option

- 10-13Mt existing capacity - upgradeable

Slurry pipeline

- potential route along existing rail

Working Port

- Port Pirie existing spare berths
 - 20-30Mtpa potential – low cost upgrade

Workforce

- Major population centres nearby

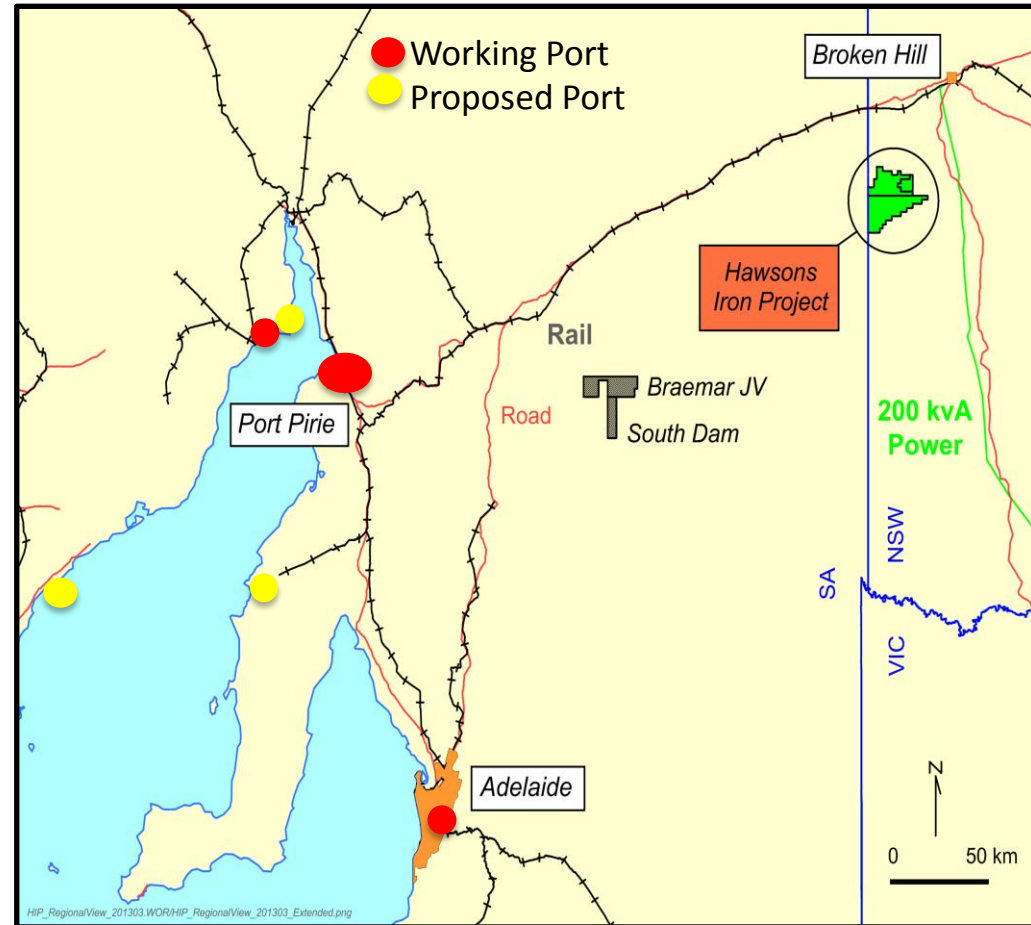
Braemar Province provides

- Existing infrastructure
- Low capital intensity
- Low operating costs

CAP is a dominant player with the key asset

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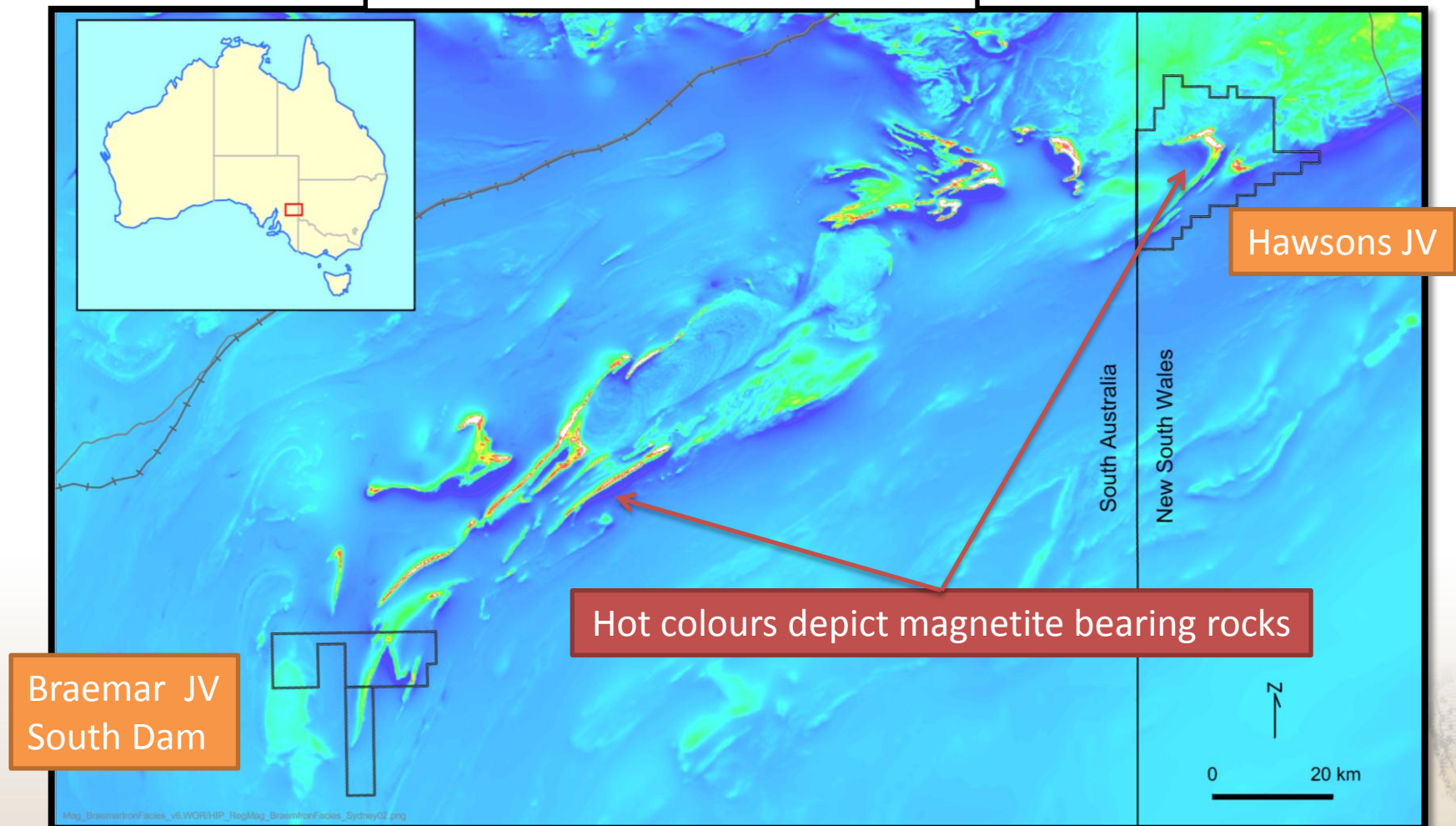


HAWSONS IRON PROJECT

Braemar Iron Formation



Regional Airborne Magnetic Data



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HAWSONS IRON PROJECT

Key Facts



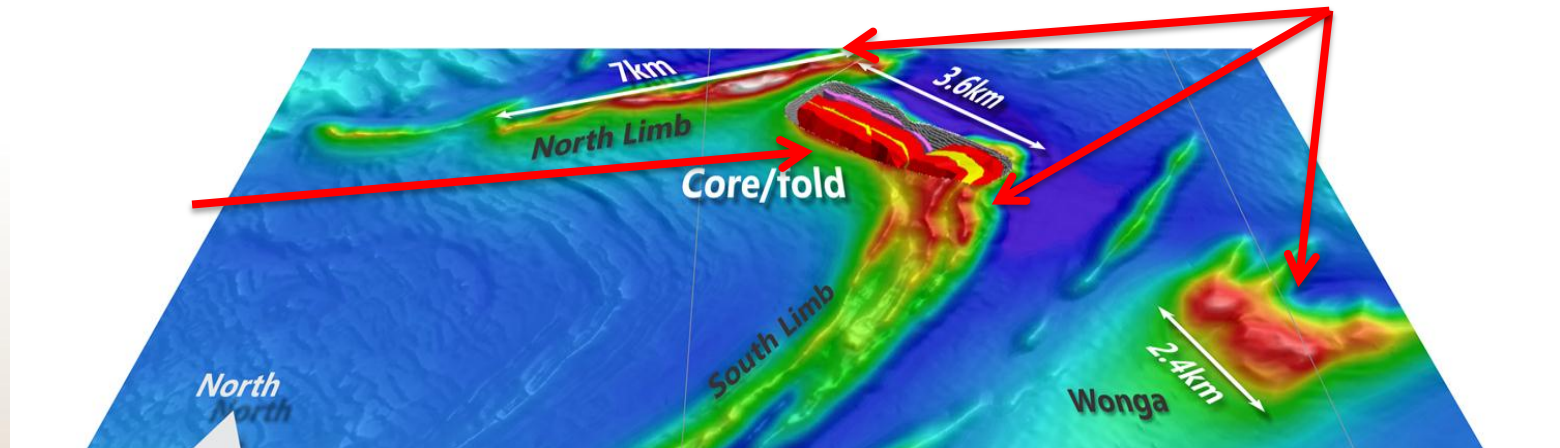
- **Key Asset in the Braemar Province**
 - lowest estimated cost
 - largest proposed production
 - Prefeasibility study completed (ASX release Nov 2011- (2004 JORC Code))
 - BFS underway
- **Aim**
 - 10 to 20 Mtpa concentrate (69.5% Fe)

JORC Inferred Resource

- 1.4 Billion tonnes for **220 Million tonnes con'**
- 15.5% mass recovery
- **69.9%Fe** and 2.50% SiO₂

Exploration Target ¹

- **6-11 Billion tonnes** at 14-17% mass recovery 69%Fe 2.5% SiO₂ (defined by drilling and assaying all magnetic anomalies combined with detailed magnetic modelling)



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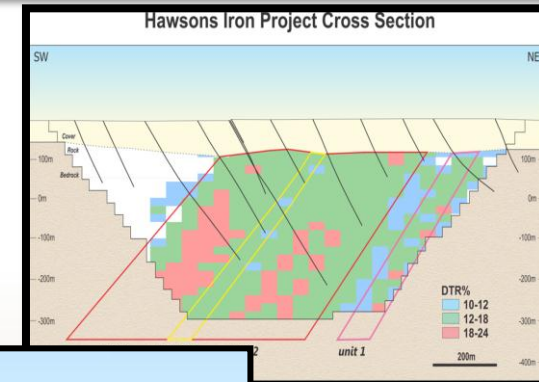
¹ The potential quantity and grade of the exploration targets is conceptual in nature and there has been insufficient exploration to define a Mineral Resource. It is uncertain if further exploration will result in the determination of a Mineral Resource.

HAWSONS IRON PROJECT

Key development advantages

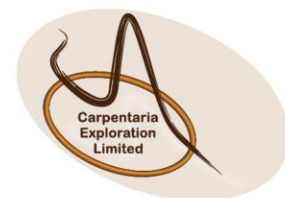


- Existing rail and port infrastructure
- Existing power and water supply
- Soft ore – low capital cost processing equipment
- Transport concept
 - Rail first 10Mt
 - Pipeline for full production
 - Port Pirie transshipment to Cape size ships following low cost upgrade
- Large deposit with 0.3 waste to ore ratio and no internal dilution
- Very soft ore – low cost processing
 - Approx. one quarter power usage of standard magnetite iron ores
- Grid power – \$0.085Kwh
- Lower labour costs



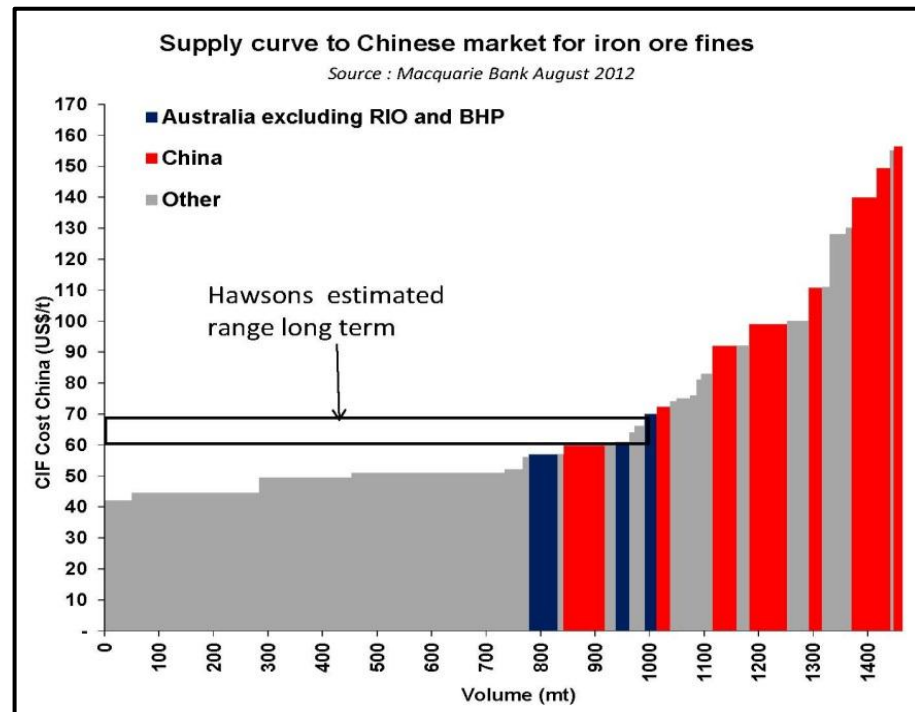
HAWSONS IRON PROJECT

very competitive



Estimate :

- Supply 69% Fe CIF China USD60-70/t
 - Lower than ~ 80% of Chinese production
 - Similar prices to some Australian hematite producers 58-60% Fe
- Cost base very competitive globally
- Margins potentially higher than some Australian hematite producers because of higher price received at similar production costs



Revenue Calculation (@ spot)		RIO	BHP	FMG	Atlas	Mt Gibson	Grange	BC Iron
Iron ore fines price - 62% Fe	US\$/dmt cfr	93	93	93	93	93	93	93
Fe%		62%	62%	58%	58%	61%	66%	57%
Rec'd price*	A\$/wmt FOB	77	77	66	65	65	92	66
Cash Costs*	A\$/wmt FOB	31	38	52	70	63	100	54
EBITDA Margin	A\$/t	47	40	14	(5)	2	(8)	12

* After UBSe and company filings, adjusted, moisture, Fe content, impurities, freight, royalties - August 2012

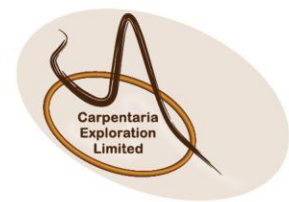
** Nov 2011 PFS

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HAWSONS IRON PROJECT

First Mover – on track to deliver



Recent Work

- On track for mining lease in late 2014 and production in 2016
- Full access to land
 - Landowner agreements
 - Native Title extinguished
- MoU agreements with port and rail providers
- Proof of concept - small scale pilot plant returns 69.5% Fe and 3.1% SiO₂
- Secured Partner to continue BFS

Next Steps

- Continue BFS
- Maintain EIS progress (2 year process as per Director General Requirements)
- Optimise production rates and lower CAPEX
- Apply for Mining Lease



HAWSONS IRON PROJECT

Pure Metals Deal



Pure Metals complete purchase of 40% from Liquidator:
Ownership CAP 60% Pure Metals 40%

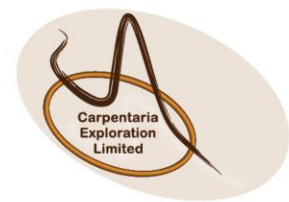
Pure Metals :

- Fund \$5.0 million in 12 months to progress the Bankable Feasibility Study
- Pay CAP \$1.0 million on assignment of the 40% Joint Venture Interest to Pure Metals – est. May 31st
- Pay CAP \$2.8 million at a time the earlier of completion of Federal Court proceedings or two (2) years
- The Federal Court has ruled the sale from the Liquidator of the 40% interest can proceed and no serious questions to be tried, final hearing to be nominated
- Re-evaluating scope of the project and finalise work program for \$5m funding

Result : On assignment the BFS will proceed at a greater pace

HAWSONS IRON PROJECT

Moving Forward



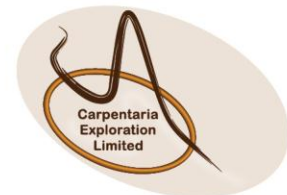
Deal with Pure Metals Allows :

- \$5.0 million to be spent on project
 - EIS
 - Metallurgical testing, engineering for process and infrastructure
- Reduce CAP's ongoing funding requirement for Hawsons
- Increase access to iron ore end users and Asian capital markets
- Secure funding in difficult market shows confidence in project
- CAP to retain 60% ownership through above deal
- Increases CAP's treasury position in difficult market (+\$3.8m)



Carpentaria Projects

Tin / Tungsten

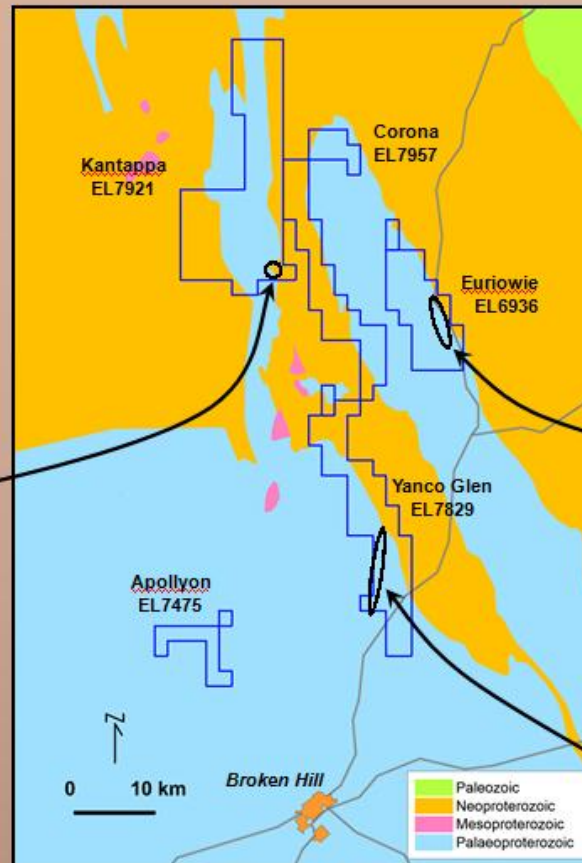


Strategic Concept

Establish a cluster of tin and tungsten deposits with coarse-grained mineralisation close to Broken Hill that can be easily mined by low cost methods and processed at a central location. Covers all historical tin fields - Euriowie, Kantappa, Waukeroo and Yanco Glen.

- Kantappa Tin Mine grab samples - **1% to 4% tin**.
- The area includes several untested pegmatite bodies with potential for high-grade, near-surface tin deposits.

Scheelite (CaWO_4) fluorescing under ultraviolet light



Cassiterite in pegmatite

- Drill results include:
 - 10 m at 0.16% tin from 7 m.
 - 4 m at 0.38% tin from 15 m.
- Rock channel sample results include:
 - 8 m at 0.44% tin, including 1 m at 1.2% tin.
 - 6 m at 0.36% tin, including 1 m at 1.6% tin.

- Inferred Resource of 3.4 Mt at 0.11% WO_3 (at a cut-off grade of 0.05% WO_3) containing 3,950 t WO_3 .

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Carpentaria Projects Gold / Copper

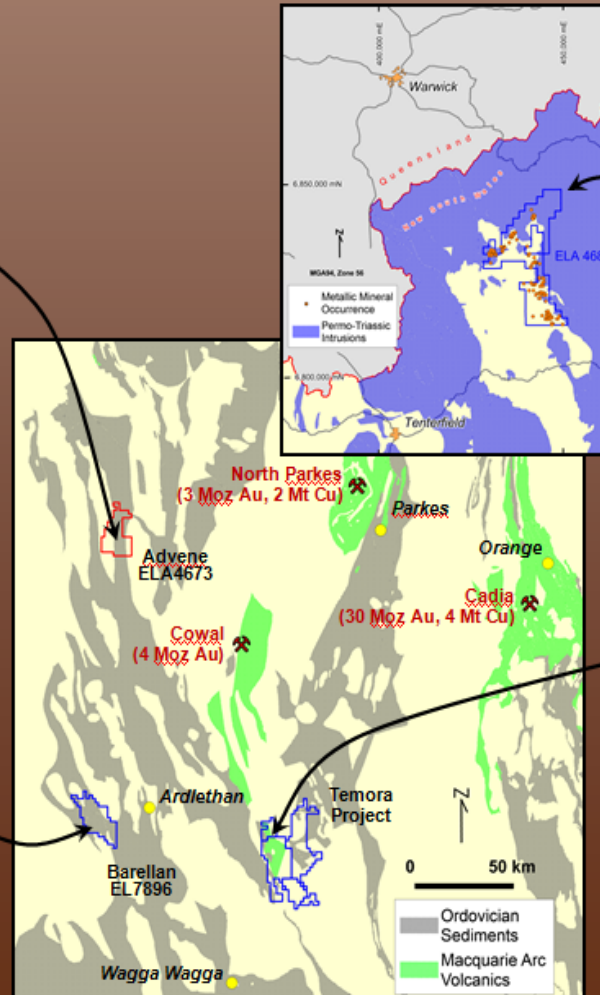


- Target is pipe or sheet-like gold-base metal deposits located in the margins or roof zones of buried granite.
- Historical channel sampling:
 - 16 m at 6.95 g/t gold.

- Target is Permo-Triassic intrusion-related gold-silver-base metal deposits.
- 130 mineral occurrences, of which nearly 100 are gold.

- Target is pipe or sheet-like gold-antimony +/- tin deposits in sediments located in the margins of buried granite.
- Untested historical surface trench rock traverse:
 - 60 m at 1.5 g/t gold, including 10 m at 4.5 g/t gold.
- Untested Carpentaria rock chip sample:
 - 5.6 g/t gold.

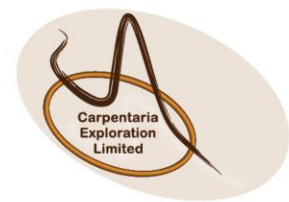
- Target is porphyry gold-copper and epithermal gold deposits.
- Historical drilling results include:
 - 6 m at 2.35 g/t gold from 38 m to BOH, including 2 m at 6.8 g/t gold from 38 m.
 - 8 m at 2.17 g/t gold from 0 m, including 4 m at 3.95 g/t gold from 2 m.



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Carpentaria Summary Set to Reward Investors



CAP's Iron Projects

- Hawsons
 - Large scale, low cost, long term
 - Existing infrastructure gives immediate export opportunity
 - Estimated OPEX \$50/t FOB and low capital intensity \$150/t
 - On track for Mining Lease in 2014 and production 2016
- Future
 - Secure funding and development partner
 - Finalise BFS

- South Dam / Braemar JV
 - 32 kms of potential strike extent
 - Drilling confirms magnetite
 - Returns grades – 108m @28.1% mass recovery with con' grades 64.5% Fe and 8.8% SiO₂ (RC112 BM002 – Dec' 2012 Quarterly)

CAP's other Projects :

- Tungsten Resource outlined
- Growing quality Gold portfolio

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To find out more, visit us at
www.capex.net.au



@CARPEXPLORE



The information in this presentation that relates to Exploration Results and Resources is based on information compiled by S.N.Sheard, who is a Fellow of the Australian Institute of Geoscientists and has had sufficient experience which is relevant to the style of mineralization and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. S.N.Sheard is an employee of Carpentaria and consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.