

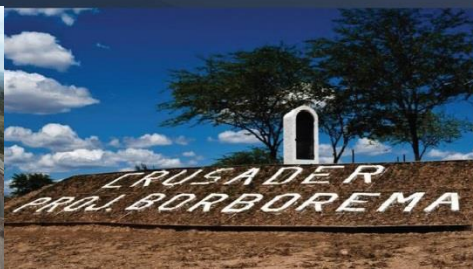
# crusader



## International Roadshow – February 2016

ASX:CAS

[www.crusaderresources.com](http://www.crusaderresources.com)



### Disclaimer

The information provided in this presentation is of a general nature only. Although it has been prepared in good faith with all due care there can be no guarantee that it will continue to be accurate in the future. No one should act or rely upon the information but should undertake their own independent due diligence or seek appropriate professional advice. To the extent permitted by law Crusader Resources Limited ("Crusader") excludes all liability from any statement in, or omission from, this presentation. Nothing in this presentation should be construed as either an offer to sell or a solicitation of an offer to buy or sell Crusader securities in any jurisdiction.

### Forward Looking Statements

This presentation may contain certain forward looking statements and projections regarding:

estimated resources and reserves;  
 planned production and operating costs profiles;  
 planned capital requirements; and  
 planned strategies and corporate objectives.

Such forward looking statements/projections are estimates for discussion purposes only and should not be relied upon. They are not guarantees of future performance and involve known and unknown risks, uncertainties and other factors, many of which are beyond the control of Crusader. The forward looking statements/projections are inherently uncertain and may therefore differ materially from results ultimately achieved.

Crusader does not make any representations and provides no warranties concerning the accuracy of the projections, and disclaims any obligation to update or revise any forward looking statements/projections based on new information, future events or otherwise except to the extent required by applicable laws.

### Competent Person Statement

The information in this report that relates to Jurueña Gold Project exploration results, Posse Iron Ore Project exploration results and Borborema Gold Project exploration results released after 1 December 2013, is based on information compiled or reviewed by Mr Robert Smakman who is a full time employee of the company and is a Fellow of the Australasian Institute of Mining and Metallurgy, and has sufficient experience that is relevant to the type of mineralisation and type of deposits under consideration to qualify as a Competent Person as defined in the 2012 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Smakman consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this report that relates to:

- a) Borborema Gold Project and Posse Iron Ore Project Exploration Results released prior to 1 December 2013 is based on information compiled or reviewed by Mr Robert Smakman who is a full time employee of the company;
- b) Borborema Gold Mineral Resources is based on information compiled by Mr Lauritz Barnes and Mr Brett Gossage, independent consultants to the company;
- c) Borborema Gold Ore Reserves is based on information compiled by Mr Linton Kirk, independent consultant to the company;
- d) Posse Fe Mineral Resources is based on and accurately reflects, information compiled by Mr Bernardo Viana who is a full time employee of Coffey Mining Pty Ltd,

and who are all Members of the Australasian Institute of Mining and Metallurgy (Rob Smakman and Linton Kirk being Fellows), and who all have sufficient experience that is relevant to the type of mineralisation and type of deposit under consideration, and to the activity which they are 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. Each of Mr Smakman, Mr Lauritz Barnes, Mr Kirk, Mr Viana and Mr Brett Gossage consent to the inclusion in the report of the matters based on their information in the form and context in which it appears.

This information was prepared and disclosed under the JORC Code 2004. It has not been updated since to comply with JORC Code 2012 on the basis that the information has not materially changed since it was last reported..

# A Brazilian Mining Company

crusader

Utilising strong local relationships to acquire and develop mineral assets in Brazil.  
Cash flow from Posse Iron, exciting gold potential, now with Li!



## Juruena Gold Project (CAS 100%)

- 250koz @ 11g/t Au
- Exceptional high-grade gold potential

## Borborema Gold Project (CAS 100%)

- Resource – 2.43Moz Au
- Reserve – 1.61Moz Au

## Posse Iron Ore Mine (CAS 100%)

- Unique high-value product
- Domestic sales to local Brazilian market

## Crusader Lithium- Manga (CAS 50%)

- Crusader asset- Li-Sn-In greisen
- Results from Rock chips to 1.3% Li<sub>2</sub>O
- JV with Lepidico and their L-Max extraction technology

Time horizon >3 years →

Exploration



Manga

Pre-feasibility



Juruena

Time horizon 1-2 years →

Feasibility



Borborema

Development



Juruena

Operations



Posse

# Corporate Overview

<i>Capital Structure (ASX : CAS)</i>	<i>As at 8 Feb 2016</i>
Share Price	\$0.13
Ordinary Shares (ASX:CAS)	170 M
Options <sup>1</sup>	35 M
Market Capitalisation	\$22 M
Cash at Bank (31 Dec 2015)	\$1.4 M
Debt	\$4.5 M

<i>Major Shareholders</i>	<i>As at 8 Feb 2016</i>
CAS Directors	25%
IFC	8%
Farjoy Pty Ltd	7%
Strong Institutional Representation	

<sup>1</sup> Exercise prices: \$0.15 to \$0.80

# Board & Management



## Board Of Directors

### Chairman

#### Stephen Copulos



+ 30 years' experience in business & investments in a wide range of industries, and over 14 years' experience as a company Director for both listed and unlisted companies. Major shareholder of CAS for many years. Aligned to improving shareholder returns.

### Managing Director

#### Robert Smakman



Highly experienced Geologist & Manager with over 20 years' Australian & international experience. Founding member of Crusader & has played integral part in moulding company into its present shape. Rob is based in Brazil (+ 8 yrs) and fluent in Portuguese. Fellow - AusIMM.

### Executive Director

#### Paul Stephen



+20 years' experience in Financial services & Australian equity markets, specialising in Capital Management & Corporate Structuring. Paul is a founding member of Crusader Resources Ltd. and holds a number of non-executive roles in the finance and resources sectors.

### Non-Executive Director

#### Mauricio Ferreira



More than 35 years in resources/ energy sectors. Highly educated and experienced manager. Ex Vale executive. Has been involved in the exploration and development of three Brazilian gold projects. Mauricio is a Brazilian national.

### Non – Executive Director

#### John Evans



Experienced Director & Chartered Accountant. Over 15 years in private sector finance executive roles, including listed Companies. Currently Principal of a Business Broking & Corporate Advisory Practice. Chairman of Crusader's Audit & Remuneration Committees.

## Section 1

# Posse Iron Ore Mine



# Posse Iron – Overview

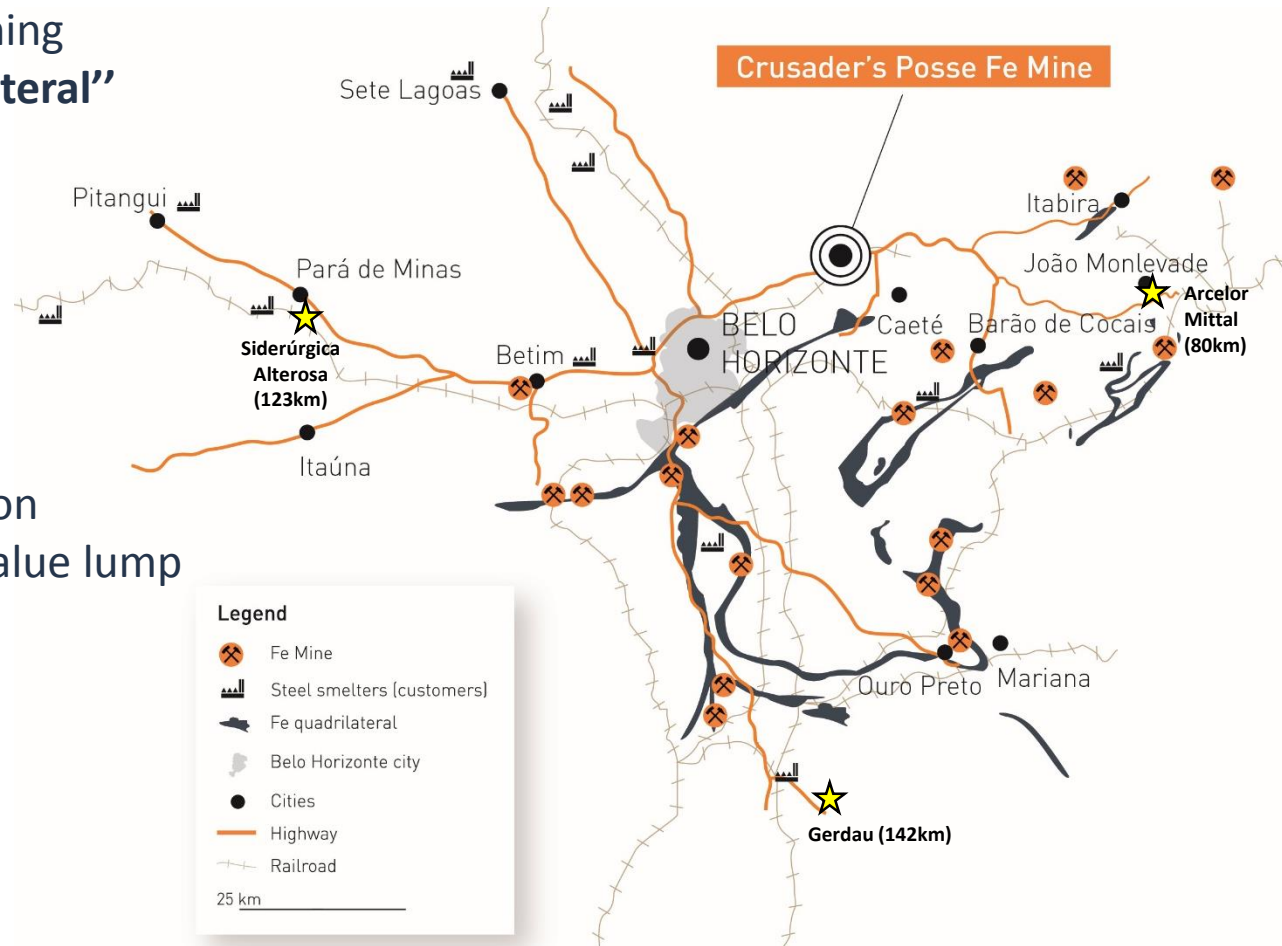
crusader



- 100% Crusader
- Heart of Brazilian iron industry
- High value product mix
- **Producing multiple products:**
  - Coarse lump - High and low Fe (+19mm -32mm)
  - Fine lump - HTT and HTT1 (+6.35mm -19mm)
  - Fines - (-6.35mm)

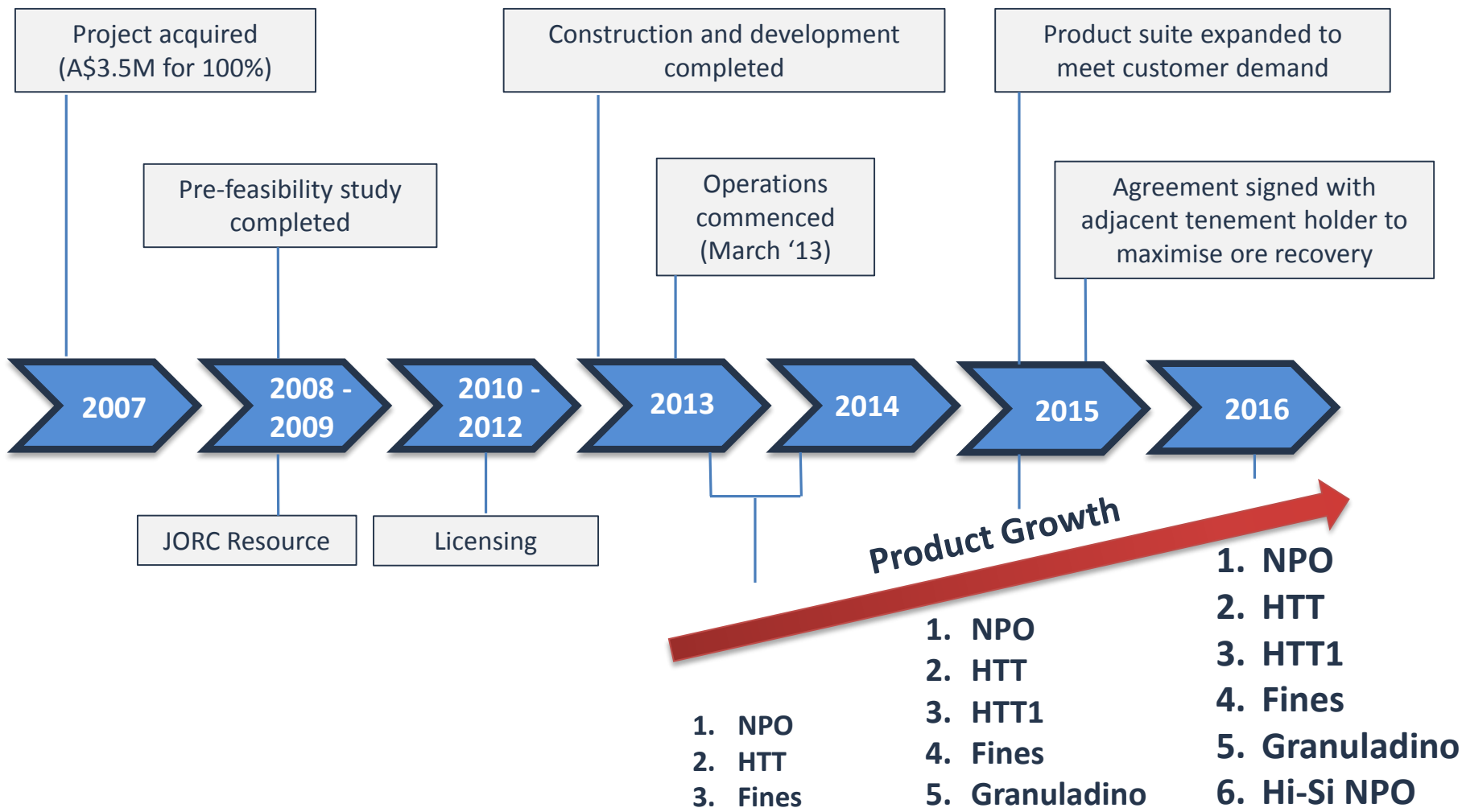
# Close to Infrastructure & Customers

- Belo Horizonte, Brazil's mining heart – **"The Iron Quadrilateral"**
- Highway network to the mine gate
- Pig iron smelters surround the project
- Strong demand from pig iron smelters for Posse's high-value lump products





# Posse Iron History



## Section 2

---

# Crusader Gold





## EXPLORATION

### Juruena Gold Project

- Recent acquisition
- Potential for high-grade, low Capex projects
- Exciting advanced exploration program underway
- Significant historical drilling – approx. 30,000m

## DEVELOPMENT

### Borborema Gold Project

- 1.61 Moz Au in Reserve
- 85,000m drilled
- Low cost mining environment
- Optimisation underway

# Juruena – The Golden Opportunity

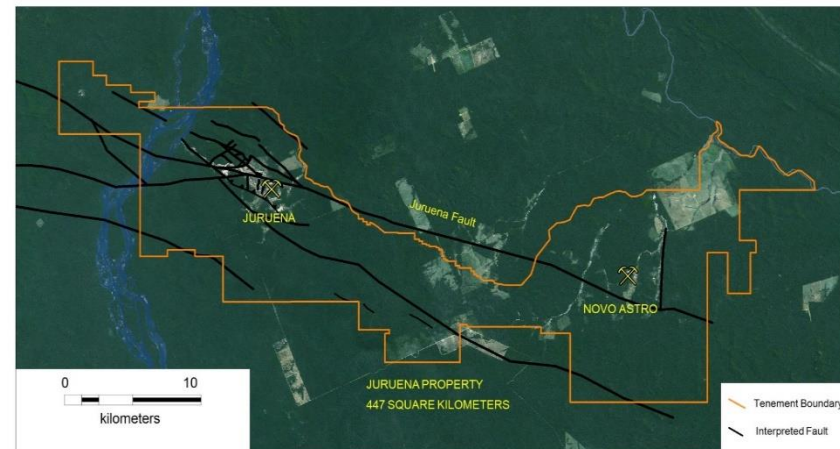
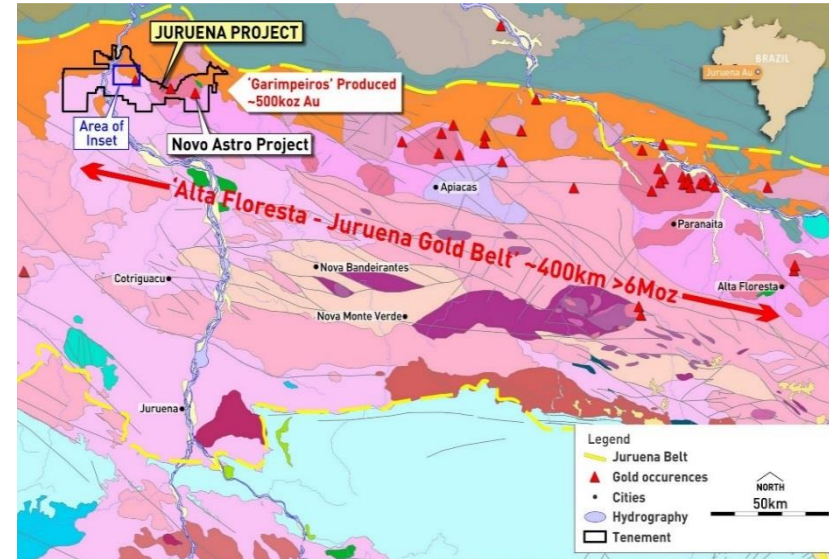
crusader



# Juruena – Jewel of the Alta Floresta Gold Belt

crusader

- **Location - Alta Floresta Gold Belt - Central Brazil**
  - Extensive granite/felsic volcanic belt stretching ~400km east-west with multiple intrusive & extrusive events identified
  - 7Moz produced 1979-1997 from 40 documented gold discoveries (DNPM)
  
- **CAS controls 100% of 2 key areas- >500koz produced!**
  - **Juruena - closest to production**
  - 20,000 strong garimpeiro workforce -1980s
  - Only 2 of initial 16 targets tested - 178koz > 12g/t
  
- **Novo Astro – Garimpeiros (artisanal) mining centre**
  - 5km wide circular soil anomaly potentially multi-million-ounce intrusion related gold deposit
  - Rock chips - 264 g/t Au and 101.7 g/t Au
  - Alluvial gold mining active ~ 40 years by local Brazilian garimpeiros. (Ongoing today)
  - Comparisons to + 10Moz targets



# Juruena Project Evolution

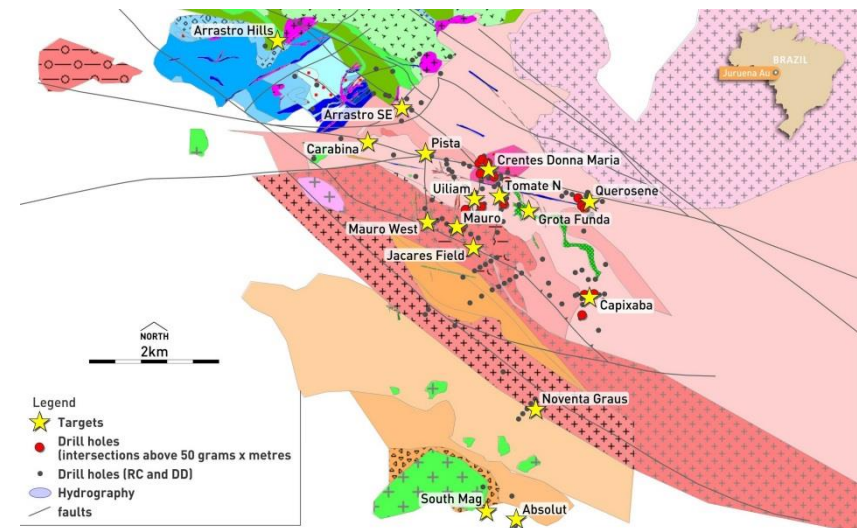
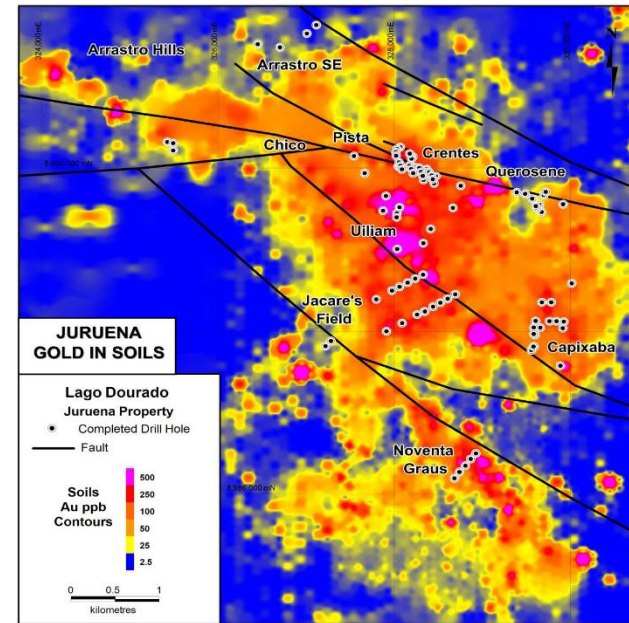


## History

- Estimated 500koz produced from shallow garimpo workings (limited to depth of 15m)
- 1994 – 1998: Systematically explored by Madison JV
  - Diamond drilling – 15,822m in 91 holes - Aeromag – 10,600 line km, broad spaced
- 2006: Acquisition of licences by Talon and GEOMIN - No Modern Exploration
- 2009 - 2014: Lago Dourado (TSX(V)) JV formed and purchased Juruena, exploration between 2009 -2013
  - Soils - 11, 499 samples - Rock chip – 802 samples; Auger drilling – 3,458m for 423 holes
  - RC drilling – 6,618m in 90 holes - Diamond Drilling – 22,018m in 70 holes (Total pre CAS - **44,458m**)
  - Geophysics: Aeromag – 2,600 line km, tight spaced, Gradient IP
- **>USD\$25M spent pre-Crusader**
- **2014: Crusader – acquires 100%**
- 2014 – 2015: 10,000m diamond and RC drilling
  - RC drilling – 7,749m; Diamond drilling - 1,863m; Auger drilling – 995m for 111 holes
  - Metallurgical testwork Querosene & Dona Maria: > 90% for gold and silver using standard leaching
- 2015: Maiden JORC Resource estimate calculated for 3 key prospects totaling **1.3Mt @ 5.6g/t for 234koz Au**
  - Querosene: **263,500t at 12.3 g/t for 104,100oz Au**
  - Dona Maria: **196,300t @ 11.8 g/t for 74,700oz Au**
  - Crentes: **846,450t @ 2.0 g/t for 55,100oz Au**
- **2016**
  - **Scoping Study - Q1**
  - **Infill drilling program – Q1**
  - **Ongoing exploration**

# Juruena Footprint

- Near-surface, high-grade gold mineralisation identified at Querosene and Dona Maria
- Juruena gold soil anomaly is 'giant', >8km long & 4km wide >50ppb
  - Size and style similar to Boddington (WA) and Las Cristinas (Venezuela)
  - Multi-element geochemistry completed on sampling, refined targeting using Cu, Ag, Bi, Mo, Fe trace elements
- Mineralisation at Juruena is structurally controlled and regional mapping has identified multiple untested controlling structures



Querosene – 6m @ 52g/t Au



Capixaba – 9.55m @ 30.92g/t Au



Crentes – 5.8m @ 52g/t Au



Dona Maria - 6m @ 52g/t Au



# First Pass Drilling – 2015 (10,000m) = Resource

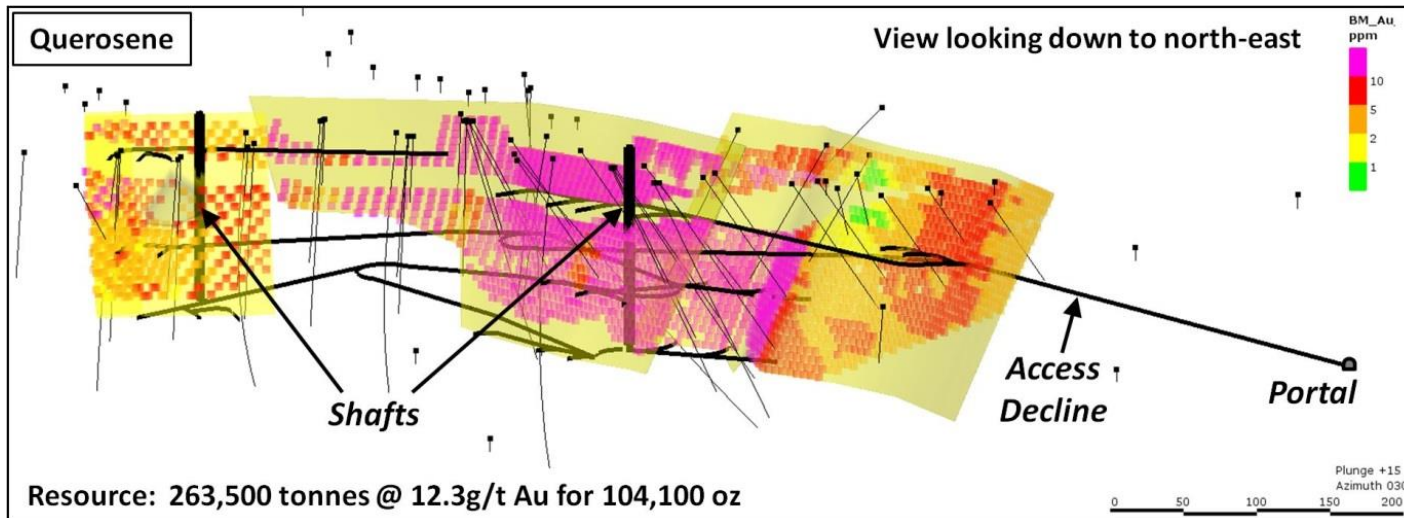
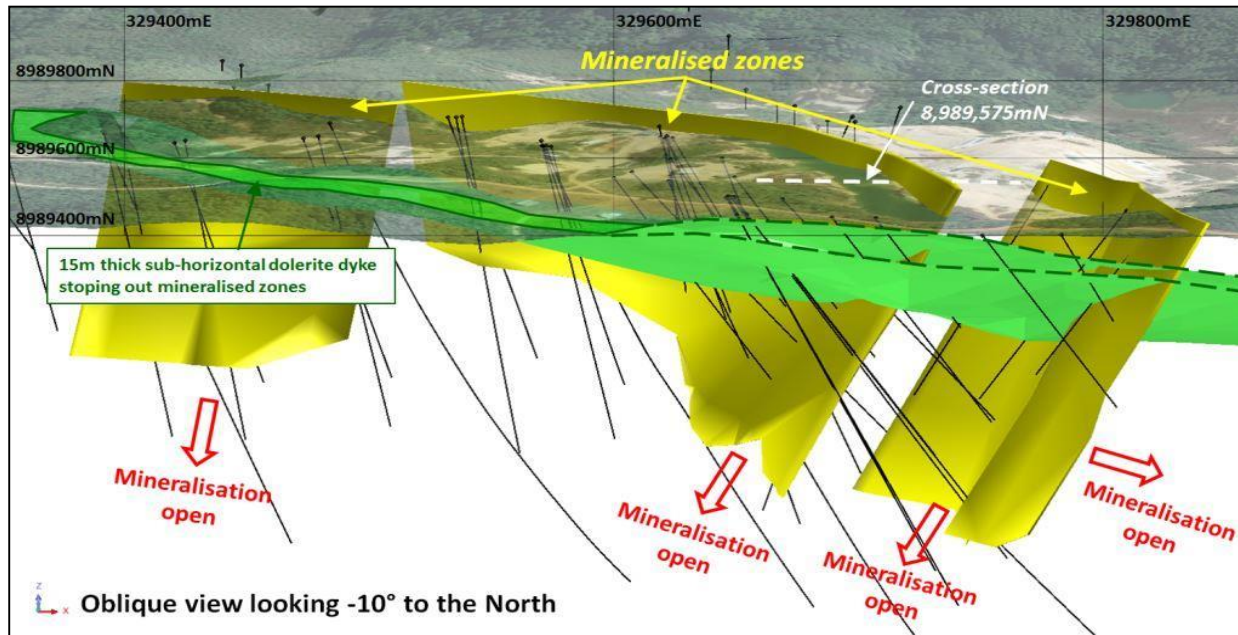
- After reviewing existing core CAS targeted four near-surface gold veins
- Target was high-grade, close to surface ounces
- Would enable small, highly profitable start-up production- Scoping study underway
- Cashflow to fund larger expansion



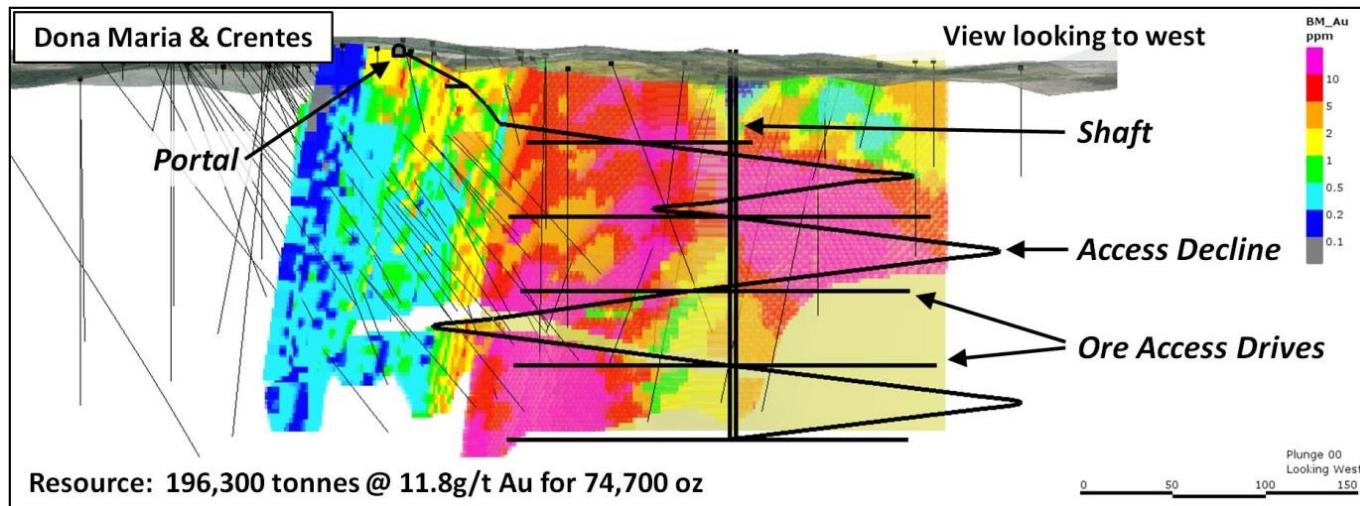
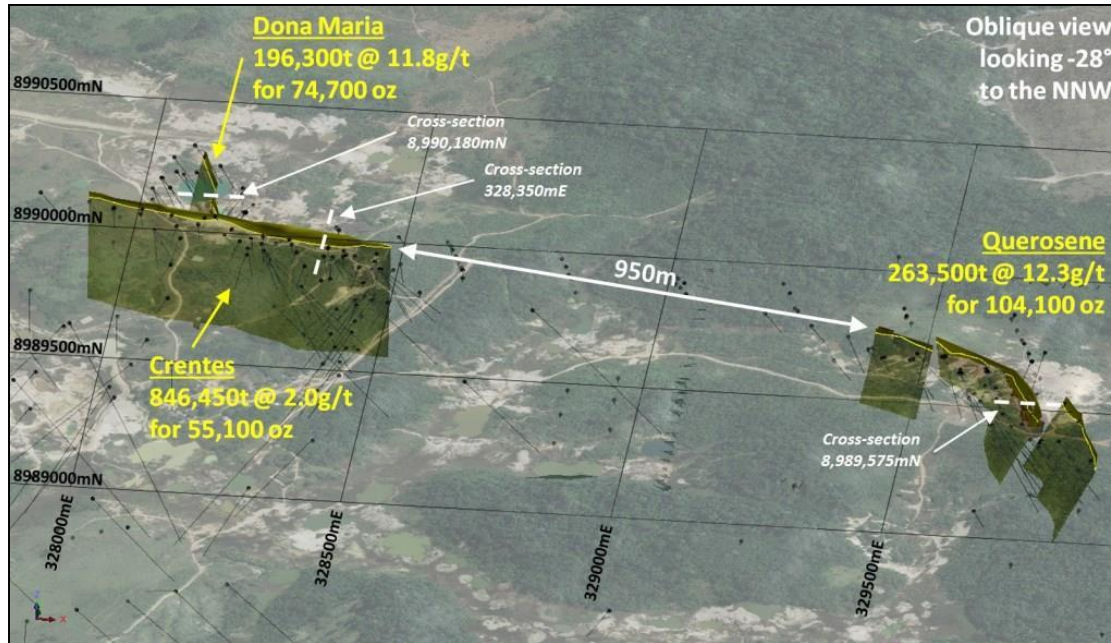
Prospect Name	Resource Category	Lower cut-off	Metric Tonnes	Au (g/t)	Ounces
Dona Maria	Inferred	2.5 g/t	196,300	11.8	74,700
Querosene	Inferred	2.5 g/t	263,500	12.3	104,100
<b>Sub-total high-grade ounces</b>			<b>459,800</b>	<b>12.1</b>	<b>178,800</b>
Crentes	Inferred	1.0 g/t	846,450	2.0	55,100
<b>Total Combined Inferred Resources</b>			<b>1,306,250</b>	<b>5.6</b>	<b>233,900</b>

**Note:** Appropriate rounding applied. For further information, please see the section below: Summary of Resource Estimate and Reporting Criteria.

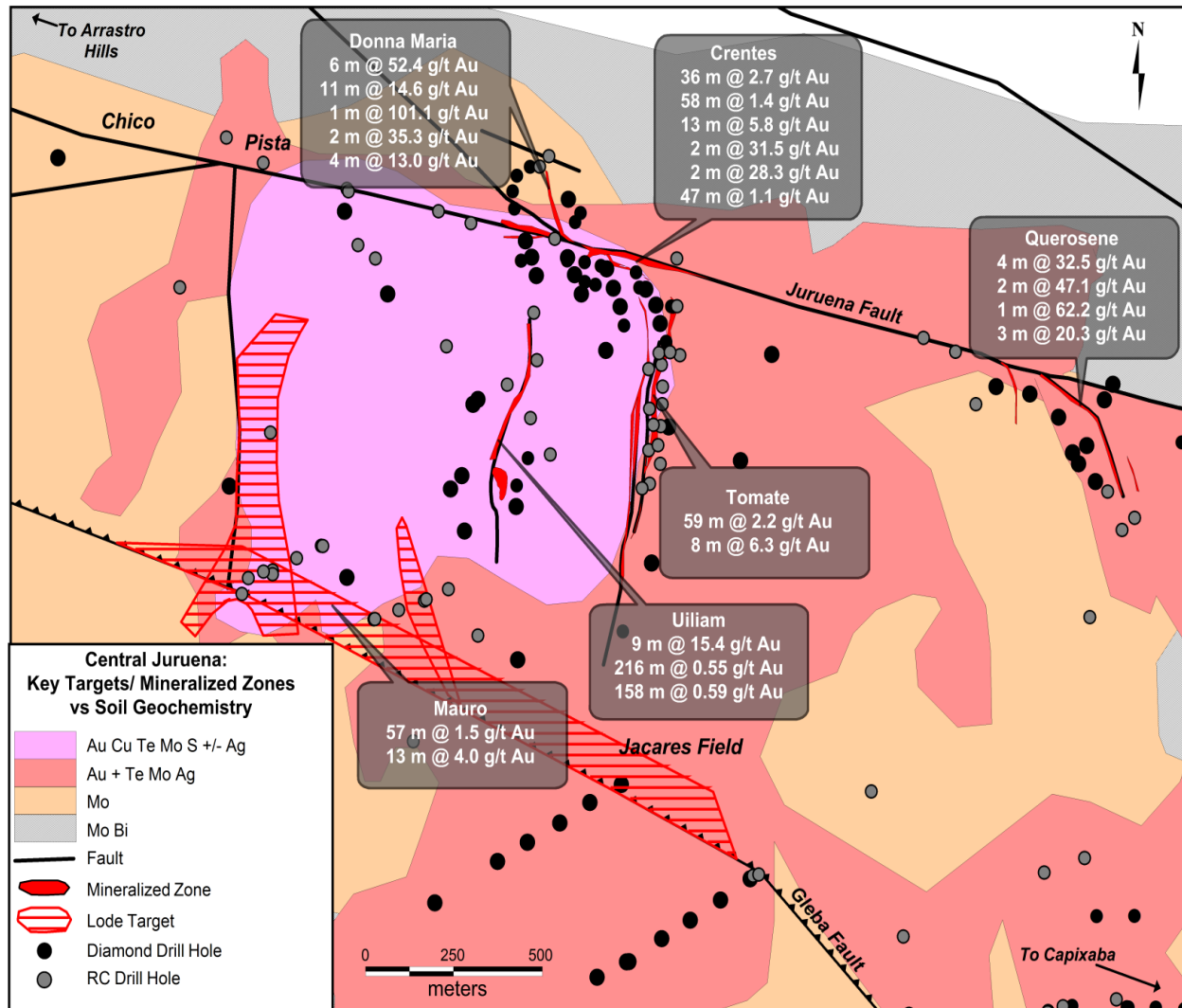
# First Production Decline Planned - Querosene



# 2nd Production Asset - Dona Maria ~ 1km



# Juruena – Additional Targets



## Six Mineralised Zones Discovered to Date

- Two very high-grade zones: Querosene & Dona Maria
- Mineralisation structurally controlled
- Numerous structural targets remain untested

➤ Tomate

➤ Mauro

➤ Uiliam

# Borborema Gold



# Overview of Borborema

- Large, wholly owned, open-pittable gold discovery by Crusader, 68.6mt @ 1.10g/t Au for 2.43Moz contained gold
- Low discovery cost of US\$9.50/oz provides significant leverage for Crusader shareholders to various value realisation options
- JORC reserve 42mt @ 1.20g/t released 2012 comprises 2 ore lens', shallow lens contains the bulk of the reserve (26mt @ 1.14 g/t Au for 970koz)
- The development potential for the Borborema Gold Project has continued to benefit from the recent triple effects of:
  - Improving commodity price (USD gold price improved \$115 or 10% in January 2016).
  - Weakening currency (Brazilian Real (BRL) has dropped ~20% against the USD in line with the AUD, as a result, BRL gold price is approaching all-time highs)
  - Lower fuel costs (oil price drop of >50% over the last 6 months)
- Exploration potential remains with ore body open and grades increasing at depth

# Infrastructure & Regulatory Advantages

- All project locations are not created equal
  - Borborema has significant advantages over comparable grade projects
- High level of existing support infrastructure
  - Bitumen highway BR226, 140km from city (and port) of Natal to mine gate
  - Power lines traverse Crusader's tenements (expected power cost 7c/kWh)
  - 25km from mining town of Currais Novos
- Conducive regulatory environment
  - Sudene tax concessions<sup>1</sup> may be available – overall tax rate of 15.25%
  - Low government mineral royalties<sup>2</sup> - currently 1%
- Efficient logistics and power infrastructure significantly reduce project development and execution risk

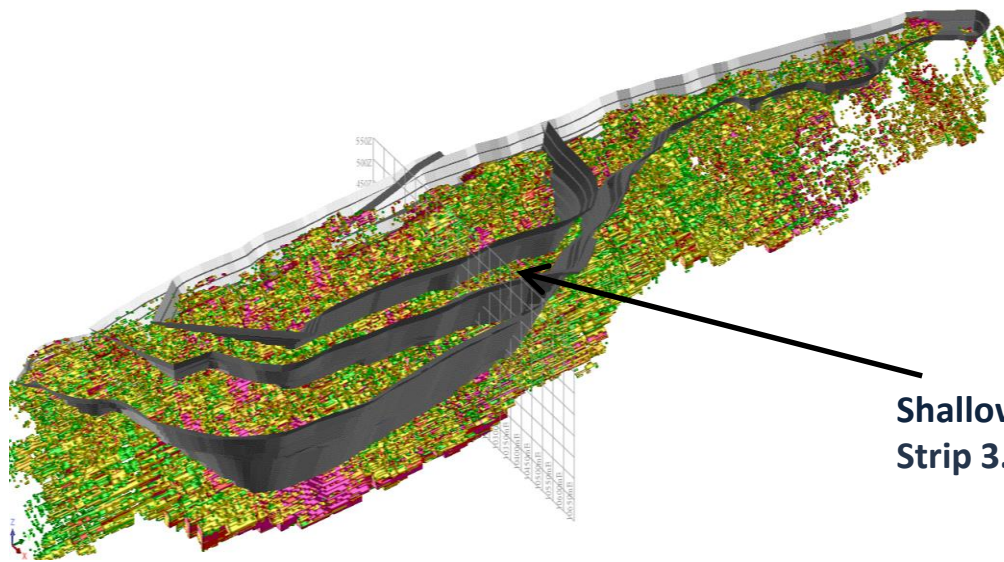


<sup>1</sup>A federal government economic stimulus scheme, called Sudene, provides significant benefits for businesses operating in the north east of Brazil, including Rio Grande do Norte. The scheme was introduced to boost economic activity in a relatively impoverished area of Brazil. Company tax rates are reduced from 34% to 15.25% for a period of 10 years. Other benefits include reduction in the rates of taxes such as goods and services taxes, sales taxes and import duties.

<sup>2</sup>The current rate of government royalty is 1% of sales revenue. There is also a 0.5% royalty payable to the landowners. Note that Crusader owns a number of farms in the immediate area including the one that covers the central part of the ore body.

# Borborema – Development

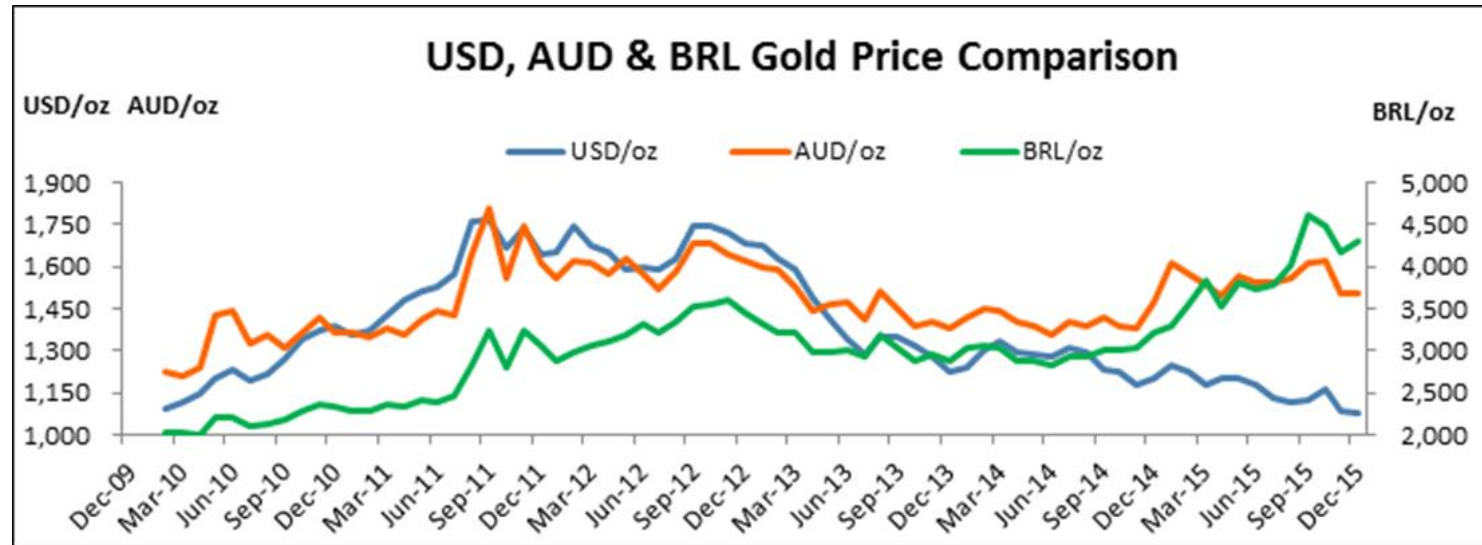
- Development strategy now focussed on shallow lens with a strip ratio of  $\sim 3.3:1$ 
  - Significant capital and operating cost savings through reduced footprint and material movements
- Drilling completed to support metallurgical optimisation test work
- Smaller pit- can allow scheduling to delay road relocation and stockpile optimisation
- Optimised development study expected to be completed early 2016



**Shallow lens only pit – Up to 20Mt @ 1.2 g/t,  
Strip 3.3:1 – 800 koz**



# Brazil Gold – The Right Economics!



- Crusader has commenced preliminary discussions with potential financing partners to provide a debt facility to develop the Juruena Gold Project. These discussions are ongoing with a final firm agreement likely to be linked to the completion of the Scoping Study and new resource statement scheduled for April 2016.
- The weakening Brazilian currency continues to have a positive effect on the economics of gold production in Brazil in a similar dynamic to that being experienced by Australian gold producers. Crusader intends to fast-track the development of Juruena to take advantage of this favourable commodity environment.

## Section 3

# Lithium- Manga (Sn, In) project JV with Lepidico



# Manga Lithium (Sn, In)

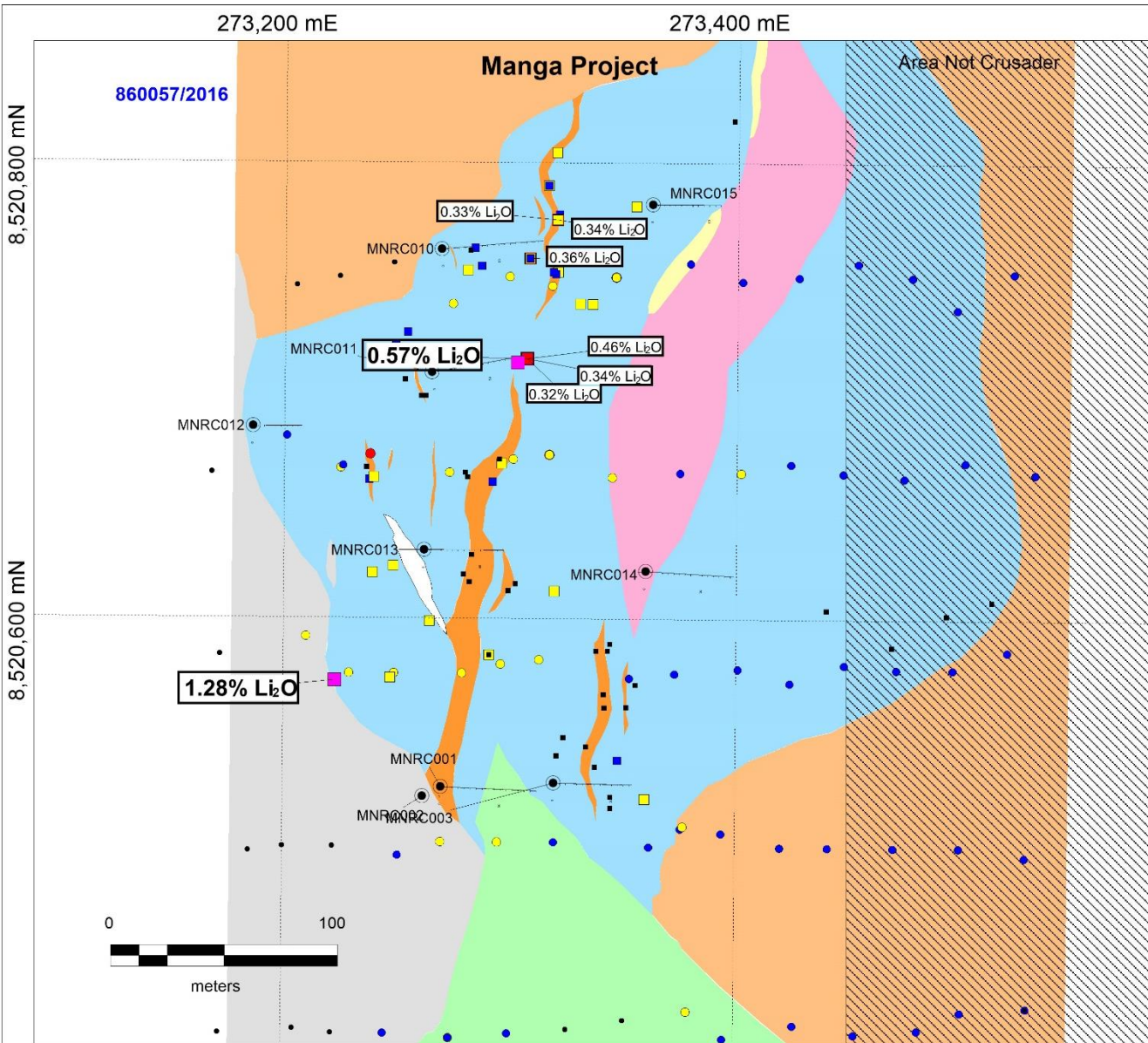


- Manga is a greisen hosted prospect, located in the NE of central Brazil
- Strategic Joint Venture (JV), 50:50 formed with Lepidico Ltd (Lepidico)- owners of “L-Max” patented extraction technology to extract Li from mica ores.
- First prospected by Crusader in 2007 for Tin and Indium, Manga recently recognised as a multi-element tin Li-mica greisen
- Crusader has mapped, soil sampled, rock chipped and drilled the area. Results from rock chipping to 1.3%  $\text{Li}_2\text{O}$
- Compiled an extensive database of geological information about the area. Academic sampling of rock chips described lithium-rich mica (zinnwaldite) and lithium muscovite with whole rock results of up to 1.8%  $\text{Li}_2\text{O}$
- Mica analysis of Manga’s zinnwaldite (Li-rich mica) and the Li-muscovite minerals, returned results of up to 3.6% and 2.3%  $\text{Li}_2\text{O}$  respectively (not whole rock analyses)
- In addition to  $\text{Li}_2\text{O}$ , L-Max produces Potash a by-product. Manga may also deliver Tin and Indium as additional products

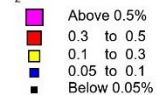
- Lepidico Ltd is a public unlisted company based In Perth, Western Australia
- Formed to commercialise the patented “L-Max” technology, the company has evolved to now be an exploration and project development company with the specific purpose of bringing lithium projects into production
- Lepidico’s L-Max technology targets lithium rich micas, a forgotten ore of lithium, but the company now has a wider brief to exploit all lithium ores
- Lepidico is led by metallurgist and resources industry veteran Gary Johnson, the Managing Director of Strategic Metallurgy.

# Manga - Geology and Sampling

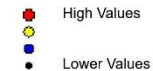
crusader



## Rock Samples $\text{Li}_2\text{O}$



## Soil Samples Li Indicator



## General Lithology



● Drilling

# Crusader Resources – In Summary

## ➤ **Posse is a high quality, strategic asset:**

- Strong cashflow generation
- High quality product, low cash costs
- Located in vicinity of our customers
- Cash flow helps fund other assets

## ➤ **Our gold assets provide very strong upside potential:**

- Juruena has exceptional high-grade potential
- Juruena is current focus of planned 6,000m drilling program – 2 rigs
- Borborema is a significant option on the gold price

## ➤ **Lithium JV formed with Lepidico to explore for Li projects in Brazil**

## ➤ **Low market cap**

# Contact Information

crusader

## Head Office

Australia

Suite 1, Level 1, 35 Havelock Street  
West Perth WA 6005, Australia

Brasil

Crusader do Brasil Mineração Ltda.  
Avenida do Contorno 2090 – Pilotis, Bairro  
Floresta - 30.110-012, Belo Horizonte, MG,  
Brasil

**Tel:** +61 8 9320 7500

**Email:** [paul@crusaderresources.com](mailto:paul@crusaderresources.com)

**Web:** [www.crusaderresources.com](http://www.crusaderresources.com)

