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## **121 MINING INVESTMENT CONFERENCE PRESENTATION**

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Lucapa Diamond Company Limited (ASX: **LOM**) (“Lucapa” or “the Company”) attaches the Company presentation to be delivered to the 121 Mining Investment conference in Cape Town on 8 February 2016 by Chief Executive Stephen Wetherall.

Please note the presentation was prepared before Lucapa requested a trading halt be placed on the Company’s securities on 5 February 2016 and, as such, does not include the diamond update from the Lulo Diamond Project in Angola referred to in the 5 February 2016 trading halt request to the ASX.

For and behalf of the Board.

**MARK CLEMENTS**  
**COMPANY SECRETARY**



LUCAPA DIAMOND COMPANY

[ASX: LOM]

## CLOSING IN ON THE SOURCE OF EXCEPTIONAL DIAMONDS



121 Mining Investment Conference - Cape Town February 2016

# Lucapa Diamond Company Limited



## Stock Exchange Listings:

Australian Securities Exchange (ASX: LOM)  
Frankfurt Stock Exchange (FSE: NHY)

## Shares on Issue:

258 million (ASX:LOM)\*

## Market Cap:

\$83 million @ 32c

## Lucapa Board and Management:

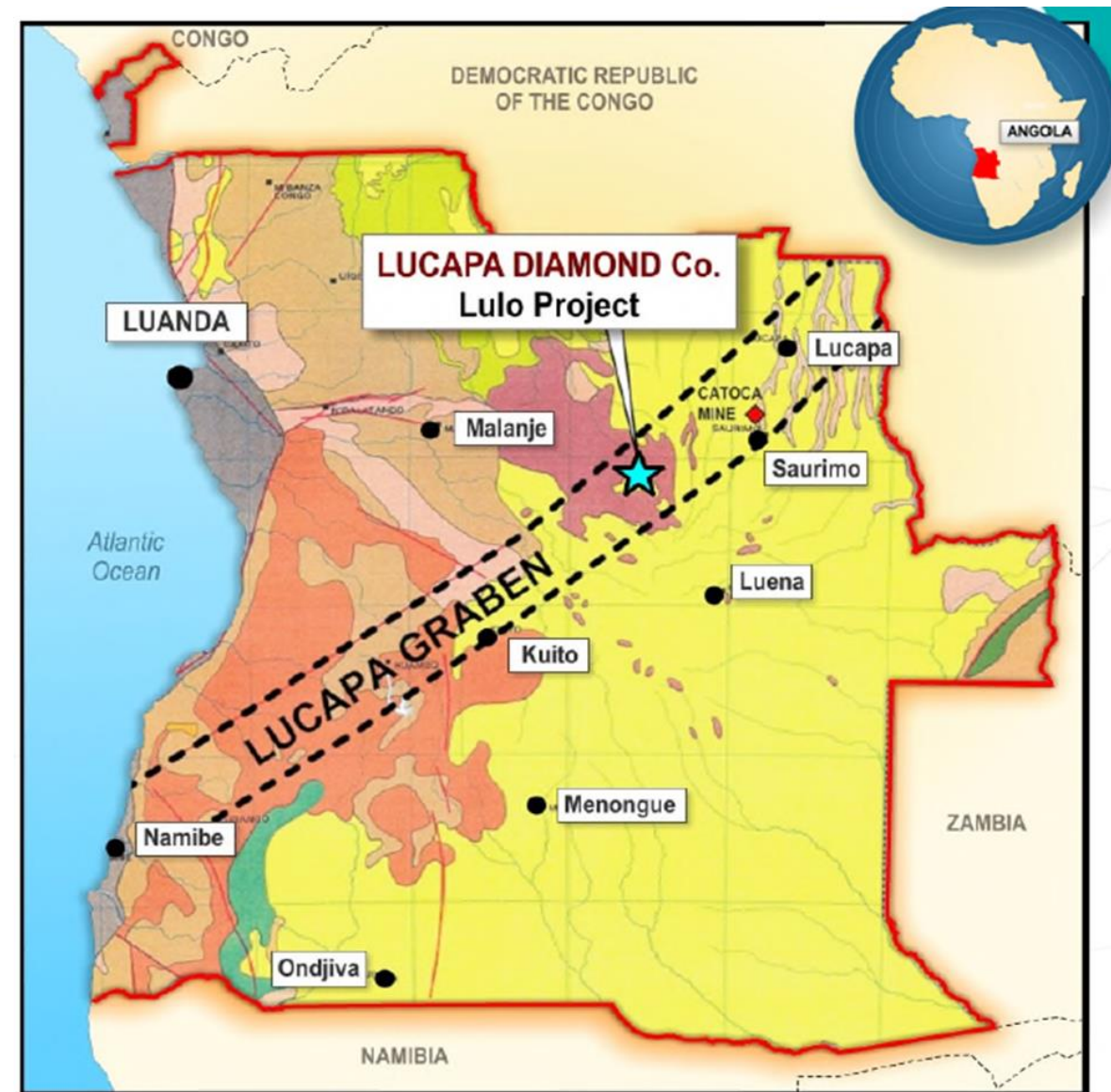
Miles Kennedy (Chairman)	Gordon Gilchrist
Stephen Wetherall (CEO)	Albert Thamm
Nick Selby (COO)	

## Primary Project

Lulo Diamond Project in Angola

Website: [www.lucapa.com.au](http://www.lucapa.com.au)

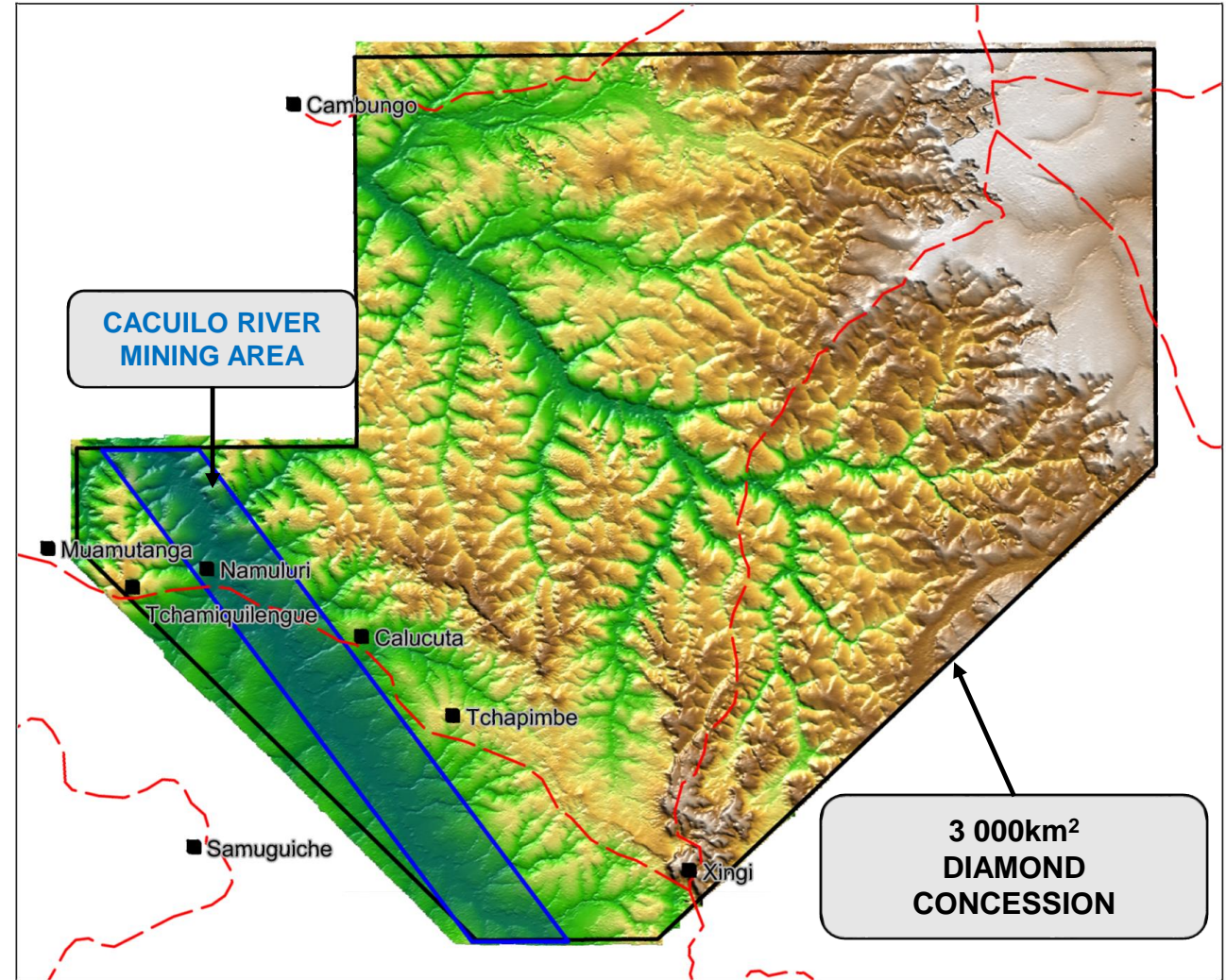
\* Options issued: 47m listed 20c options (LOMOA),  
59m listed 30c options (LOMOB) and 7m unlisted 30c  
options

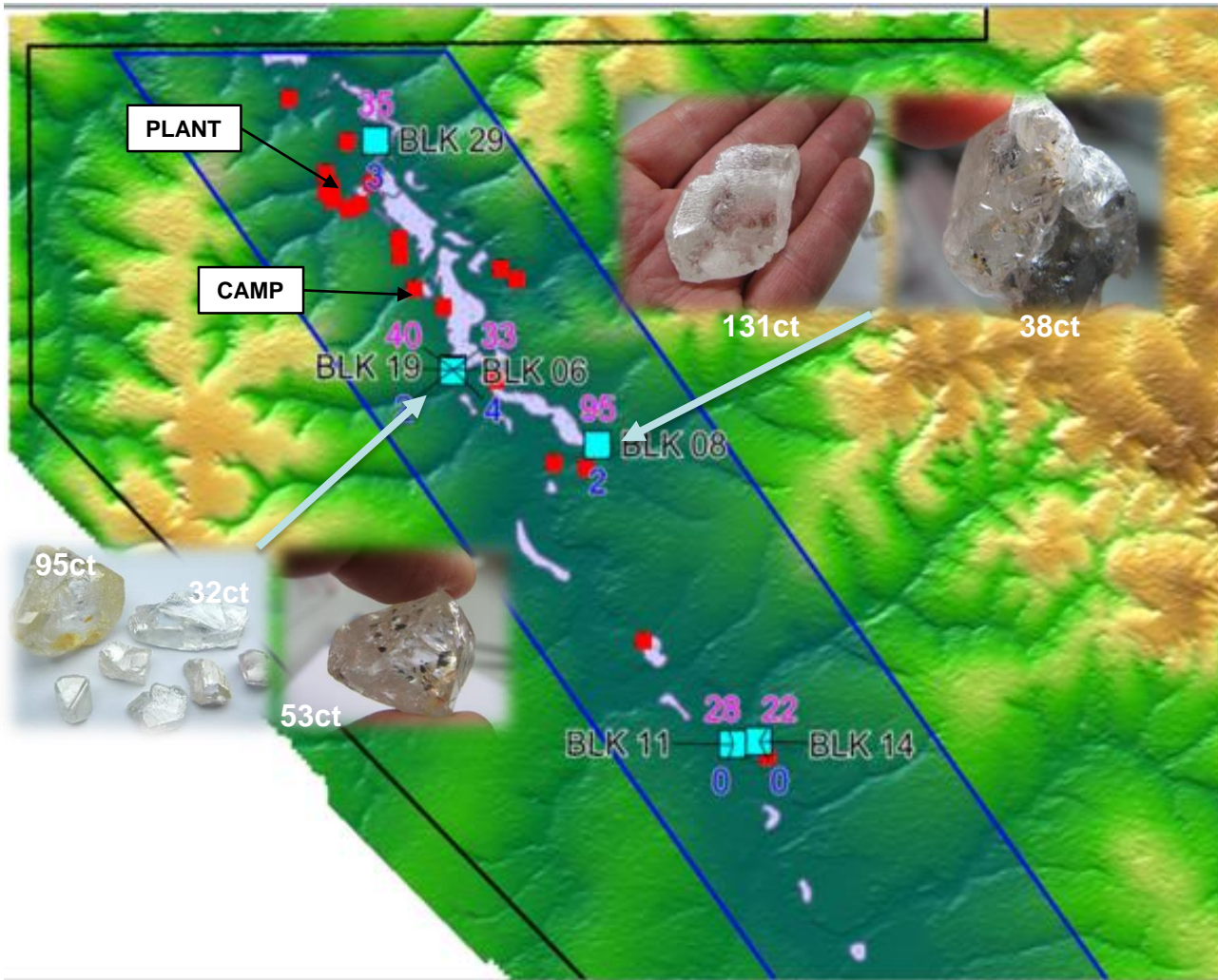




# The Lulo Diamond Project

- In diamond heartland of Angola – world's 4<sup>th</sup> largest producer
- Angola's diamond potential recognised by global leaders – Alrosa & De Beers
- Partnership with Endiama and Rosas & Petalas over 3 000km<sup>2</sup> Lulo concession
- Separate primary and secondary source exploration licenses over:
  - *two kimberlite clusters; and*
  - *extensive alluvial diamond fields*
- Secondary source (alluvial) mining license awarded in November 2014
  - *Incorporates Caculo River valley and terraces*
- Home to exceptional large top quality diamonds





- Historical bulk sampling focused on northern part of the Cacuilto River
- 31 bulk samples/ +19 000 bulk cubic metres (bcm)
  - *average grade of 10 cphm<sup>3</sup>*
  - *average price from 2 sales >US\$6 000 per carat*
  - *average stone size > 1 carat (ct) per stone*
- Diamonds of exceptional size, type and quality recovered
  - *BLK\_8 - 131ct, 38ct*
  - *BLK\_6/19 – 95ct, 53ct, 32ct, 29ct, 14ct, 11ct*
  - *BLK\_11/14 (E46) – terraces returned consistent grades (fancy pink recovered)*
- Resource target developed - Lucapa and partners applied for an alluvial mining license



## ■ Resource and Diamond characteristics

- Large “special” diamonds (diamonds > 10.8 carats)
- Specials are a high contributor to overall carat weight (~25%) and revenue (~86%)
- High gem quality production with fancy coloured diamonds
- High proportion of higher value Type Ila diamonds (~37% of parcel tested)
- Large average stone size >1.0 carat per stone
- Average selling price of all recoveries is US\$1 473 per carat

***The source of these exceptional diamonds would likely be a very special mine***



## Development objectives

- *Generate positive cashflows*
- *Begin generating a ROI*
- *Inform kimberlite exploration program*
- *Staged ramp up*
- *Develop JORC resource & extend*

	H1 15	H2 15	FY 15	Total Lulo
<b>Actual Treated m<sup>3</sup> (bulked)</b>	30,176	82,411	112,587	131,958
<b>Actual Carats Recovered</b>	2,765	5,630	8,394	10,345
<b>Actual Grade Recovered (cphm<sup>3</sup>)</b>	9.16	6.83	7.46	7.84
<b>Actual No of Stones Recovered</b>	3,135	4,490	7,625	9,365
<b>Actual Avg Stone Size Recovered</b>	0.88	1.25	1.10	1.10
<b>Specials Recovered</b>	15	71	86	101
<b>Actual Sales (A\$)</b>	3,666,929	9,115,237	12,782,166	18,822,166
<b>Actual Price per Ct (A\$)</b>	1,227	1,438	1,370	1,846
<b>Actual Price per Ct (US\$)</b>	976	1,030	1,013	1,473

## 2015

- *Commenced mining*
- *Increased throughput:*
  - *10 000bcm/ month by June 2015*
  - *20 000bcm/ month by Sept 2015*
- *Expanded mining fleet*
- *Expand resource/ JORC*

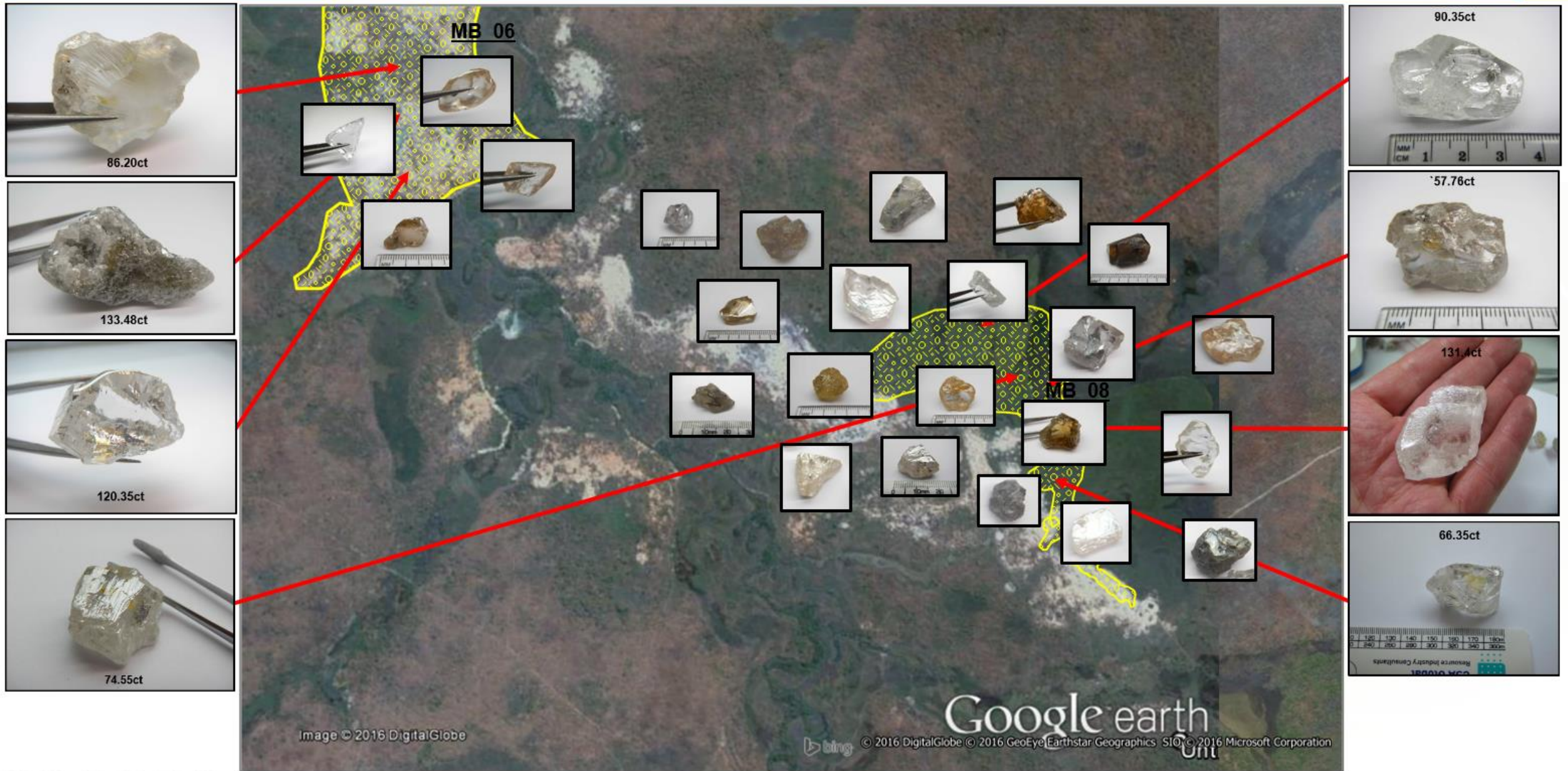


## 2016

- *Continue mining high value mining blocks*
- *Double production to 40 000 bcm/ month*
- *Increase JORC resource*
- *Improve mine efficiency (wet season)*
- *Continue to grow resource knowledge*



# Exceptional Mining Blocks – Select Specials Recovered



**86.20ct**

**133.48ct**

**120.35ct**

**74.55ct**

**90.35ct**

**57.76ct**

**131.4ct**

**66.35ct**

**MB 06**

**MB 08**

Google earth  
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# Following Exceptional Alluvial Diamonds to Source

- Alluvial activities informed kimberlite exploration program significantly
- Significant and frequent large diamond recoveries

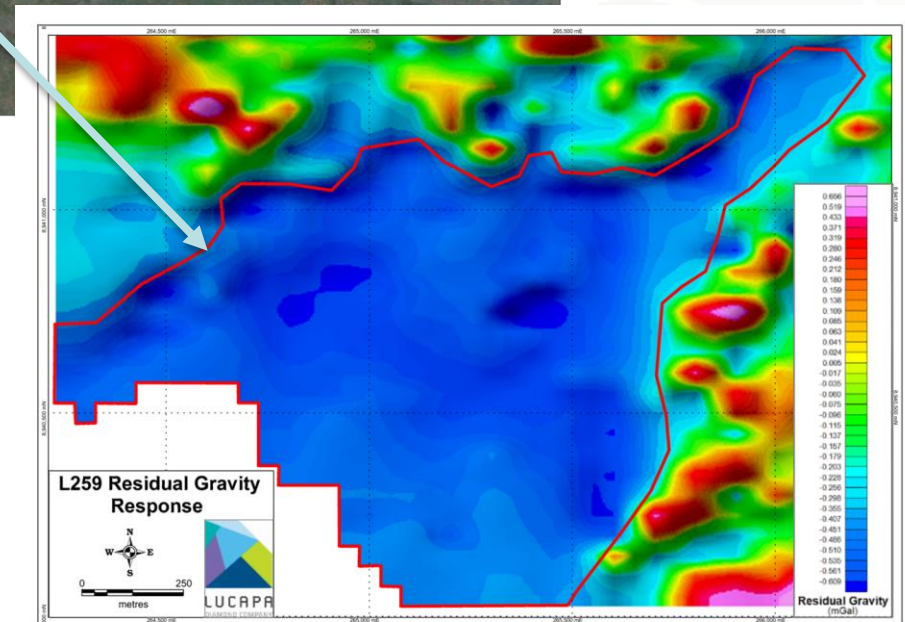
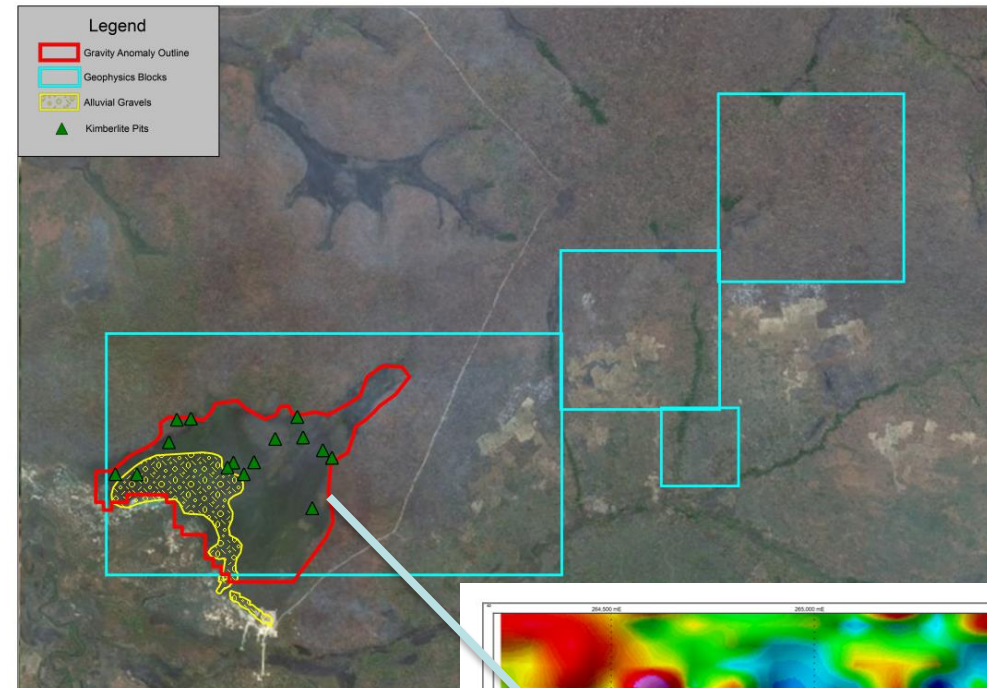
	Mining Block 8	Mining Block 6 (new mining block)
<b>Treated (bcm)</b>	50 000	16 000
<b>Total Carats (ct)</b>	4 000	1 000
<b>Specials (No)</b>	60	8
<b>Size &gt; 50 cts</b>	8 > 50cts incl 131ct and 75ct	3 > 50cts 133ct, 120ct & 86 ct
<b>% Total Weight</b>	41%	43%

- Kimberlite indicator minerals recovered
- Kimberlite material recovered in pitting program
- Identification of highest priority L259 area



# Closing in on the Source

- Weight of Evidence pointed to proximal source in Mining Block 8
- Pitting recovering kimberlite material
- No aeromagnetic anomaly signature from prior 2008 & 2013 AM surveys
- Designed ground-based gravity and electromagnetic (EM) survey grids over L259/ L13/ L15
- Gravity survey revealed an ~110Ha gravity low/ kimberlitic signature at L259
- EM survey underway
- Drilling to commence soon





## • Right Geography

- *Angola – known diamond province*
- *4th largest diamond producer next door*
- *Two kimberlite provinces on concession ~300 targets, 5 diamondiferous pipes*
- *Surrounded by large alluvial producers*



## • Right Indicators

- *High concentrations of kimberlite indicator minerals (garnets, ilmenite etc.)*
- *Little to no abrasion on indicator minerals and diamonds*
- *Bimodal diamond population*



## • Right Diamonds

- *Frequent large diamond recoveries*
- *Irregular shaped, jagged edged*
- *Type IIa's*
- *Localised in L259 area (Mining Block 6 and 8 just 2kms apart)*

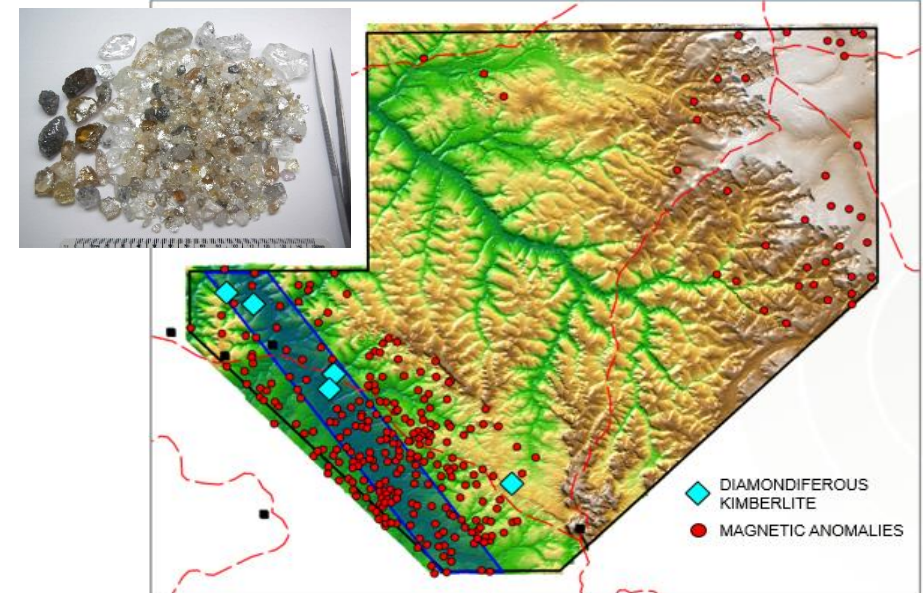


## • Expert Peer Review and Consultants

- *Dr John Ward*
- *ZStar*
- *Remote Exploration Services*
- *Foundation Resources*

- Exciting diamond project in diamond rich country
- Growing alluvial production and cash flows
  - Pathway to increase production to 40 000bcm/ month
  - In exciting large stone producing areas
  - Expanding JORC resource
- Focused kimberlite exploration program
  - L259/13/15 area
    - Complete EM surveys
    - Extend gravity to surrounding area
    - Drill ordered and en route
  - 5 other diamondiferous pipes
- Exciting first quarter 2016 with significant milestones and news flow due

“We have enormous diamond potential. Ninety per cent of kimberlite diamonds [sources] remain to be discovered....”  
Endiama CEO  
Dr Antonio Carlos Sambula





# Forward-Looking & Competent Person's Statements



## Forward-Looking Statements

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## Competent Person's Statement

Information in this Presentation that relates to exploration targets, exploration results, mineral resources or ore reserves is based on and fairly represents information and supporting documentation prepared and compiled by Mr Albert Thamm who is a Corporate Member of the Australasian Institute of Mining and Metallurgy. Mr Thamm is a Director of Lucapa Diamond Company Limited. Mr Thamm has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves. Mr Thamm consents to the inclusion in this Presentation of the matters based on this information in the form and context in which it appears.