

### Blina Diamond Project, West Kimberley, WA:

Targeting high grade diamond production from proven alluvial channels using new bedrock mapping technology







8.4 carat Fancy Yellow diamond from the Blina Project

Investor Presentation **December 2017** 



# POZ Mineral Limited (ASX Code – POZ)

### **Board Of Directors**



Executive Chairman Jim Richards



Non-Executive
Director & Company
Secretary
Grant Mooney



Non-Executive Director Mark Thompson

Total Shares on Issue	167,168,333
Market Capitalisation (undiluted at \$0.05 per share)	\$8.0 M
Cash on Hand (30 September 2017)	\$1.8 M

Major Shareholders	Shares	% of Capital
Jim Richards	35,016,401	20.9
Other Directors	13,134,999	7.9
Sir Ron Brierley	14,485,373	8.6
Kesli Chemicals Pty Ltd	14,066,354	8.4

### **Share Price History 12 Months**





# **Peer Comparison**

Market capitalisation shows POZ as undervalued within peer group

Company	Stock Exchange & Code	Diamond Operations	Location	Market Cap A\$ million
Lucapa Diamond Company	ASX: LOM	Mining/Development	Angola/Lesotho	95
Newfield Resources Limited	ASX: NWF	Bulk Sampling	Sierra Leone	66
Kennady Diamonds Inc.	TSX-V: KDI	Resource Definition	Canada	145.5
Blina Diamonds NL (2006)	ASX: BDI	Bulk Sampling/Trial Mining	Western Australia	125
POZ Minerals Limited	ASX: POZ	Bulk Sampling/Trial Mining	Western Australia	8

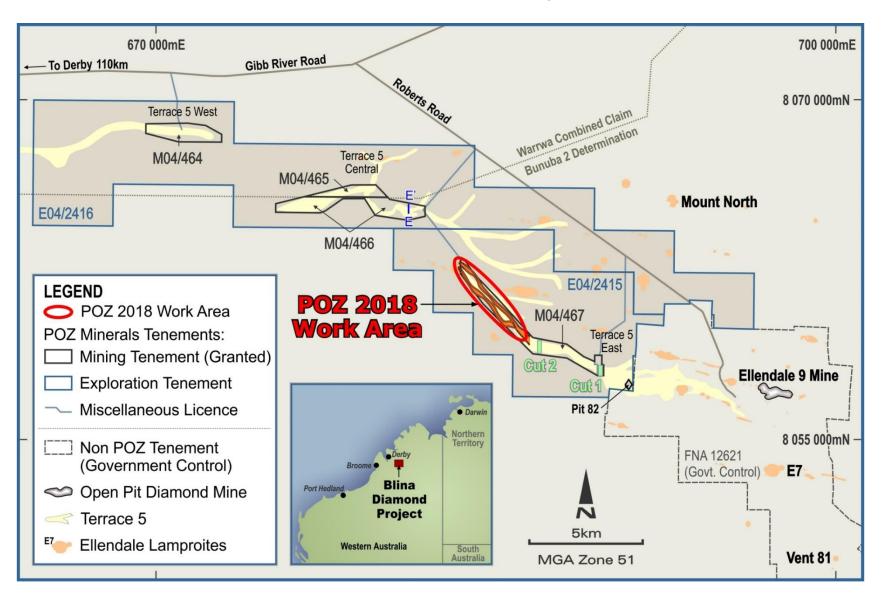
### **POZ Blina Diamond Project – Key Points**

- 100% POZ. Blina project previously held by Blina Diamonds NL (see above)
- Four granted mining leases with Native Title Mining Agreements
- 40km strike of diamondiferous Terrace 5 alluvial gravels
- Targeting high grade alluvial trap sites using new GPR bedrock mapping technology
- Nine newly defined untested 'high grade' target areas (28 hectares)
- Historic grades from bulk sampling 'lower grade' channels from 4.0 cphm³ to 10.5cphm³
- POZ Bulk sampling and trial mining in 2018



# Blina Diamond Project, WA: Location

Excellent access,120km west of Derby, WA. Gibb River Road sealed nearly all the way to project turn-off, then good laterite road to project camp site





## **Previous Work: Trial Mining of Terrace 5**

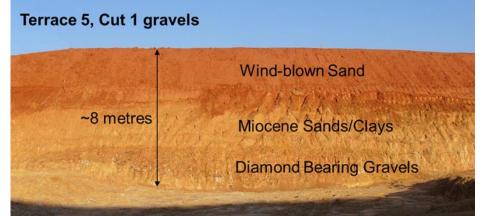


30 cubic metres per hour plant at Cut 1 in 2006. POZ will build a similar capacity plant

- Trial mining in 2005/06 produced 1,432 carats from 40,613 cubic metres at a grade of 3.53 carats per hundred cubic metres (cphm³)
- Previous bulk sampling and trial mining covered only 0.5% of Terrace 5
- High grade trap sites might cover just 3% of Terrace 5; giving previous explorers only a 0.15% chance of finding one of these bonanza targets



Terrace 5 diamonds are in the basal gravels





### **Blina Terrace 5 Diamond Valuation**



Terrace 5 diamonds. All stones are heavier than two carats.

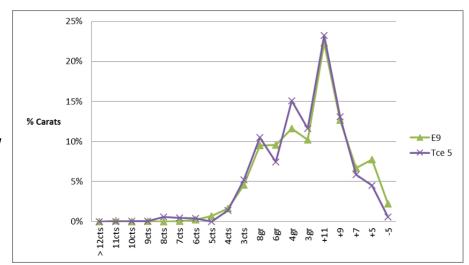


This 8.43 carat Fancy Yellow diamond from Terrace 5 has an estimated value of US\$44,482 (US\$5,277 per carat)

A recent independent valuation of a 1,497 carat parcel of diamonds from Terrace 5 stated:

- The overall parcel valuation was US\$389 per carat (A\$505 per carat)
- The Fancy Yellow component was valued at US\$3,391 per carat (A\$4,403 per carat)

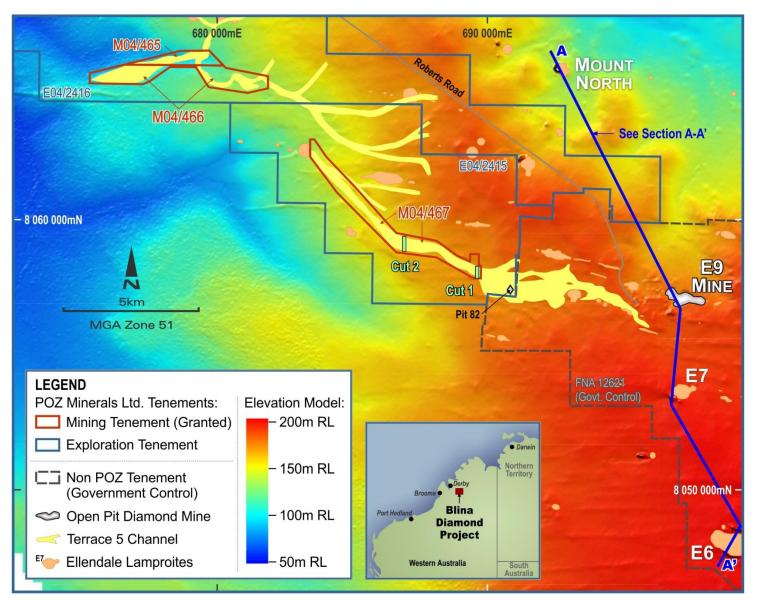
Diamond size: E9 vs Terrace 5





## **Terrace 5 Diamond Source – Eroded E9 Pipe**

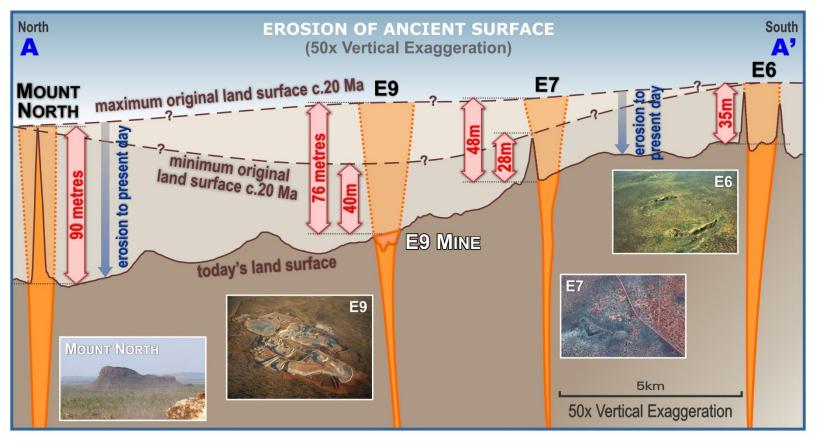
Eroded E9 pipe has liberated diamonds which have ended up in the Terrace 5 alluvials

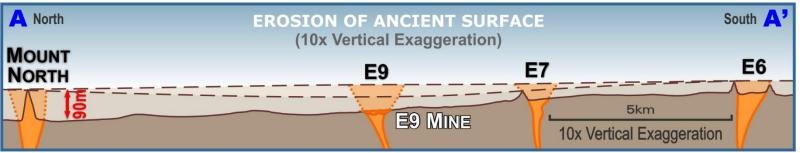




## 'Missing Diamonds' of Ellendale

Ancient surface levels indicate 40 to 76 metres of erosion from E9 pipe





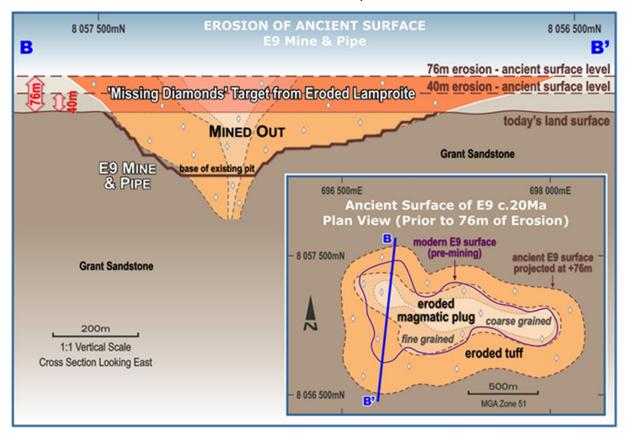


## **Terrace 5 Alluvials - JORC Exploration Target**

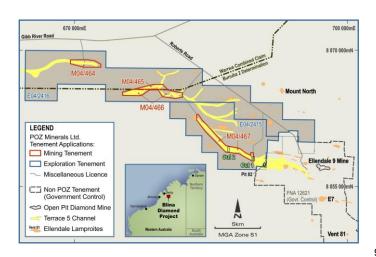
Target amount of 'Missing Diamonds' in Terrace 5 estimated from the erosion of E9

Volume	Volume Gravels		Grade		iamonds
(m	13)	(carats per cubic metre)		(million carats)	
From	То	From	To	From	To
700,000	1,000,000	2.3	4.1	1.6	4.1

The potential quantity and grade of this Exploration Target is conceptual in nature, there has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource.

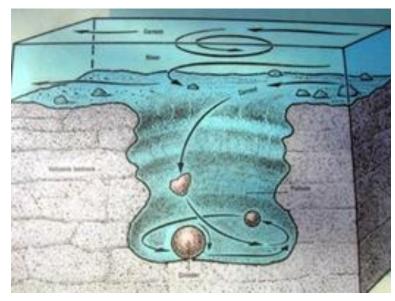


For further details on this JORC Exploration Target, refer to POZ ASX Release dated 21 Nov 2017

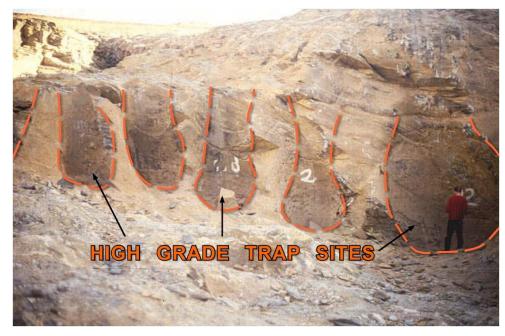




## The Target: High Grade Diamond Trap Sites



How potholes concentrate diamonds



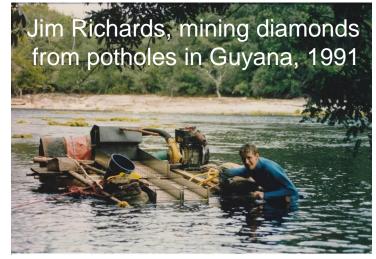
Auchas Diamond Mine, Namibia: Pothole sequence

Boulder field trap site



Target gravels in a pothole

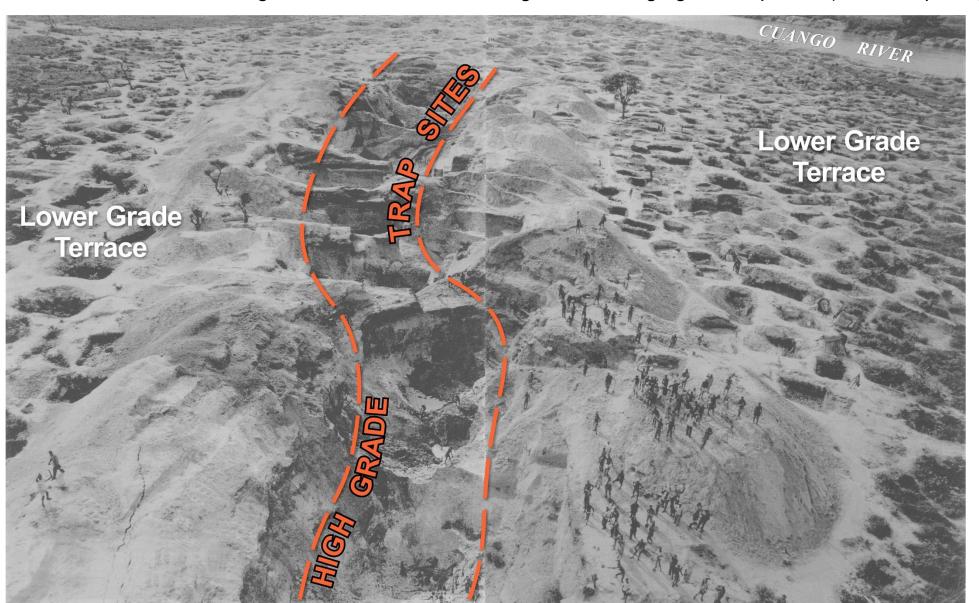






# The Target: High Grade Diamond Trap Sites

Cuango River Diamond Rush, Angola, 1992. High grade trap sites (centre of photo)





# Using Ground Penetrating Radar (GPR) to Discover High Grade Trap Sites at Blina

2002

Old GPR Technology: Previous Blina Survey

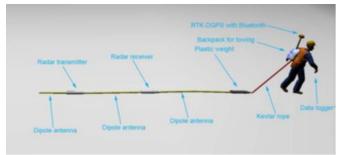


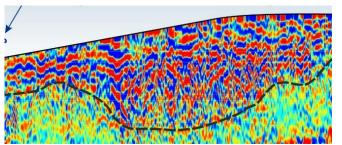


2017

New GPR Technology: POZ Minerals Survey





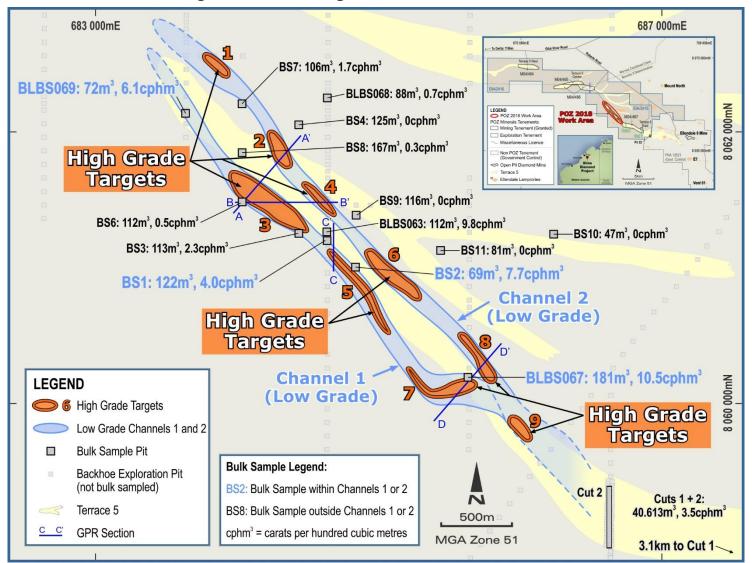


- Compare GPR last used at Blina in 2002 with latest POZ GPR survey data in 2017
- New rapid GPR data acquisition rates fixes previous signal to noise ratio problems
- Models prospective bedrockcover contact
- Indicates untested alluvial trap sites with potential to host bonanza grade diamond deposits
- Fast and inexpensive
- Correlates with historic pitting and exploration data



# 9 x New 'High Grade' Trap Site Targets

### Untested 'High Grade' targets within 'Low Grade' channels

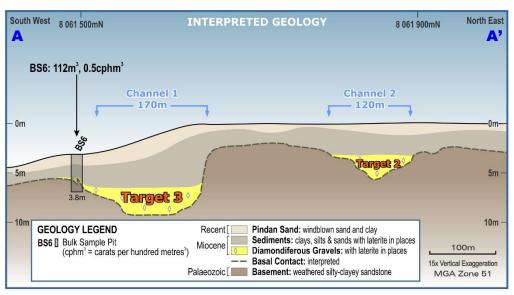


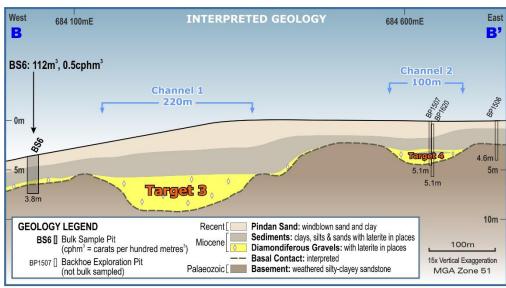
- Nine untested 'High Grade' targets from GPR work
- Area of 28 hectares
- 'High Grade' targets sit within two 'Low Grade' Channels (1 & 2)
- Four bulk samples from the 'Low Grade' channels returned 4.1 to 10.5 cphm<sup>3</sup>
- POZ 'High Grade' Exploration Target grade is 2.3 to 4.1 cpm³ (ie ~100x the grade of the 'Low Grade' Channels)

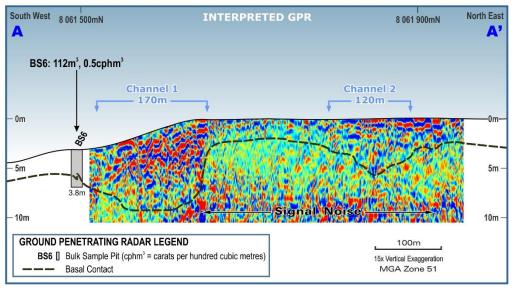


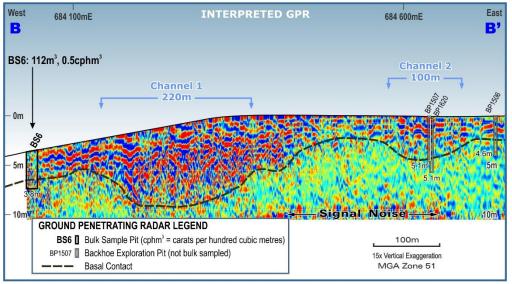
## Untested 'High Grade' Targets 2, 3 &4

When the GPR is run from a different direction over the same target (below), you get the same result





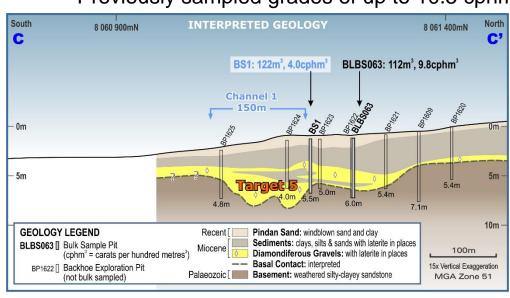


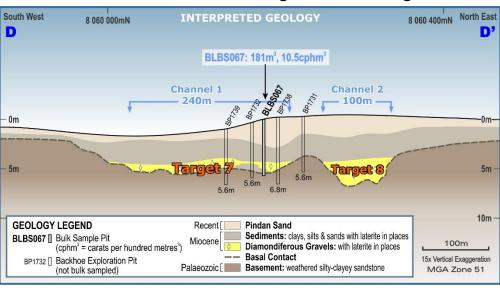


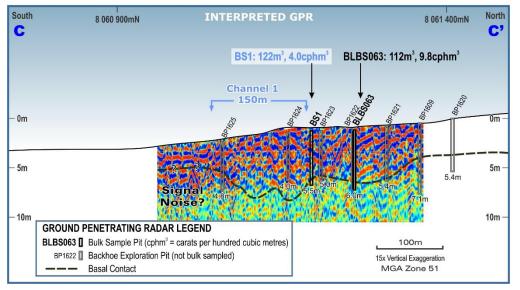


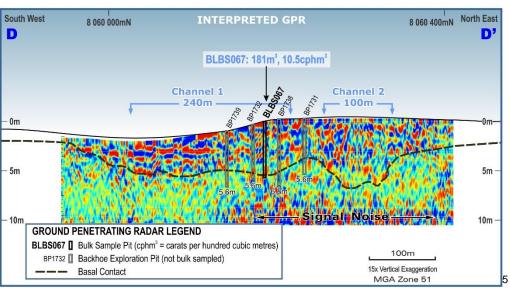
## Untested High Grade Targets 5, 7 & 8

Previously sampled grades of up to 10.5 cphm<sup>3</sup> lie close to POZ untested 'High Grade Targets'











## **Historic Mining Agreement with Bunuba People**





- Recent historic Mining Agreement with the Bunuba Dawangarri Aboriginal Corporation ('Bunuba'), the Traditional Owners for the main part of the Blina Diamond Project area
- This Agreement has allowed the grant of Mining Leases M04/466 and M04/467 which are the two key licenses at the heart of developing the Blina Diamond Project
- Terms of the agreement include employment and training, share options, profit share and an earthmoving contract
- The Bunuba are fully supportive of POZ's operations in the area



## **Project Milestones**

Activities to commence operations in 2018 are well underway

#### **Achievements So Far**

- ✓ Historic mining Agreement with Bunuba Dawangarri Aboriginal Corporation
- ✓ Grant of four Mining Tenements and two Miscellaneous Licenses
- ✓ Blina Project, Terrace 5, independent diamond valuation
- ✓ Fauna and flora survey report completed
- ✓ Tailings Storage Facility (TSF) permitting report completed
- ✓ Additional GPR survey for better alluvial trapsite target resolution
- ✓ Liaison with other stakeholder and government groups Ongoing

### **Ongoing Operational Goals to December 2018**

- Conduct a heritage clearance survey with Traditional Owners
- Permitting for bulk sampling and trial mining operations in 2018
- Hiring of personnel
- Set up a project camp
- Set up the alluvial treatment plant and TSF close to mining operations.
- Start systematic bulk sampling operations of priority targets.
- Commence trial mining operations on best and most consistent grades.
- Conduct diamond sales.







### **POZ Minerals Limited (ASX: POZ)**

Australia's Next Diamond Producer



### **Contact Details:**

Jim Richards – Executive Chairman +61 8 9422 9503

16 Ord Street, West Perth, WA 6005

Email – info@pozminerals.com.au

www.pozminerals.com.au



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