



# Beginning to Make New Gold Discoveries

Corporate Presentation Kalgoorlie WA 6 August 2018

ASX: AME www.altometals.com.au

### **Disclaimer & Competent Persons Statement**



#### **Disclaimer Notice**

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#### **Competent Persons' Statement**

The information in this Report that relates to Exploration Targets and Alto Metals Ltd's Exploration Results is based on information compiled by Mr Dermot Ryan, who is an employee of Xserv Pty Ltd and a Director and security holder of the Company. Mr Ryan is a Fellow of the Australasian Institute of Mining and Metallurgy and a Fellow of the Australian Institute of Geoscientists and has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Ryan consents to the inclusion in this report of the matters based on information in the form and context in which it appears.

Mineral Resource estimates for Lord Nelson and Lord Henry contained in this presentation were estimated in 2016/17 by Snowden Mining Industry Consultants and are reported pursuant to the 2012 Edition of the JORC Code.

All historic exploration results and mineral resources referred to in this Report were previously reported by Troy Resources NL pursuant to 2004 Edition of the JORC Code, and are based on information reported in the 2011 Troy Resources Limited Annual Report (TRY:ASX release 21 October 2011) and the Snowden Mining Industry Consultants, June 2007, National Instrument 43-101 Technical Report-Sandstone (TRY: ASX release 10 December 2007) which also details drilling and sampling methods, quality control and analytical methods. The Company is not aware of any new information or data that materially affects the information provided in the 2011 Troy Resources Annual Report and the Snowden Mining Industry Consultants 2007 Report, and considers that all of the previous assumptions and technical parameters underpinning the estimates and drill results in the previous announcements have not materially changed.

The resource estimates reported by Troy are consistent with the 2004 JORC Code guidelines and are not reported in accordance with the JORC 2012 Code and a Competent Person has not completed sufficient work to accurately classify the 2004 estimates as Mineral Resources under the JORC 2012 Code. Indeed it is uncertain if, following further exploration, the 2004 estimates will be able to be reported as Mineral Resources in accordance with the JORC 2012 Code. The Company is in the process of upgrading the historical published Mineral Resources to JORC 2012 as a matter of priority. There is a low level of geological confidence associated with Inferred Mineral Resources and there is no certainty that further exploration work will result in the conversion of Inferred Mineral Resources to Indicated Mineral Resources.

# **Corporate Overview**



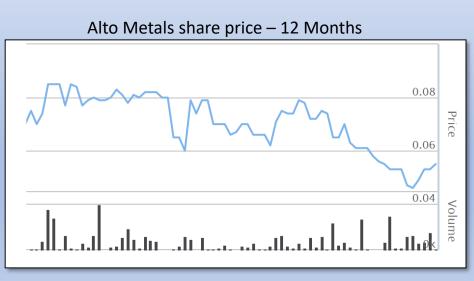
Share Price Close 3 Aug 2018	\$0.055
Shares on Issue	185.5M
Performance Shares (vendors)	25M
Performance Rights (management)	6.75M
Market Capitalisation	~\$10M
Cash at 30 June 2018	\$0.9M

Terry Streeter	Non-executive Chairman Founder & former Chairman Western Areas NI
Dermot Ryan	Managing Director
	Exploration geologist 41 years experience
Terry Wheeler	Non-executive Director
	Minerals Chemist- Businessman 50 years experience
Dr Jingbin Wang	Non-executive Director
	Geologist + 25 years global experience
Pat Holywell	CFO & Company Secretary
	Accountant +15 years experience
Dr Changshun Jia	Chief Geologist
-	Geologist +15 years experience
Dr David Groves	Chairman of Alto External Research Committee
	Emeritus Professor of Geology- UWA- retired

#### Top 10 hold 96.4M Shares (51.4%)

2 Aug 2018

Rank	Name	Units	
1	WINDSONG VALLEY PTY LTD <wheeler a="" c="" family=""></wheeler>	31,405,198	16.93
2	SINOTECH (HONG KONG) CORPORATION LIMITED	15,900,000	8.57
3	ENTERPRISE METALS LTD	12,000,000	6.47
4	MR STEPHEN STONE <the a="" c="" pearlstone=""></the>	8,787,500	4.74
5	CROWNLUXE INVESTMENT LTD	7,500,000	4.04
6	MR DERMOT MICHAEL RYAN + MRS VIVIENNE ELEANOR RYAN	6,590,141	3.55



### **Summary**



- 100% of most of Sandstone Goldfield
- 1.3Moz gold produced up to 2010
- A systematic approach to exploration over past two years by Alto
- Now beginning to make new discoveries
- And seeking a pathway to gold production having substantially compiled our own database
- Scoping study underway to assess potential for mining project to generate cash to fund ongoing exploration for major deposit(s)

#### Sandstone, in a 60Moz gold province



Jundee, Agnew, Gwalia: Drilling to +1,000m depth

## **Mining History - High Grade Gold Field**

• <u>1894 - 1920 - underground</u>

Hacks u/g: 206Koz @ **24.0** g/t Au Oroya u/g: 223Koz @ **16.5** g/t Au Bull Oak u/g: 40Koz @ **28.9** g/t Au

- <u>1993 1997 open cut</u>
   Herald Resources NL
   Oroya+Bull Oak: ~125Koz
- <u>1999 2010 open cut</u>

#### **Troy Resources NL**

 Bulchina:
 250Koz @ 3.4 g/t Au

 Lord Nelson:
 207Koz @ 4.6 g/t Au

 Lord Henry:
 48Koz @ 3.6 g/t Au

Comment: Small oxide plant drove previous exploration strategy 1993-2010 Eg: Average RC hole: 41 metres Average RAB/AC: 36 metres

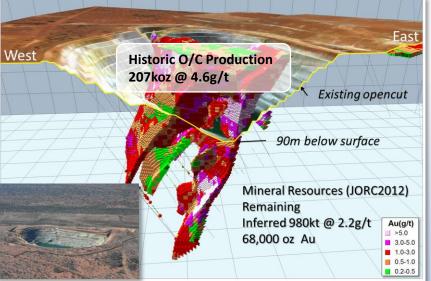




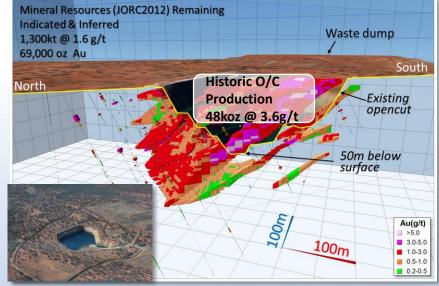
### **JORC (2012) Current Deposits**



### Lord Nelson



### Lord Henry

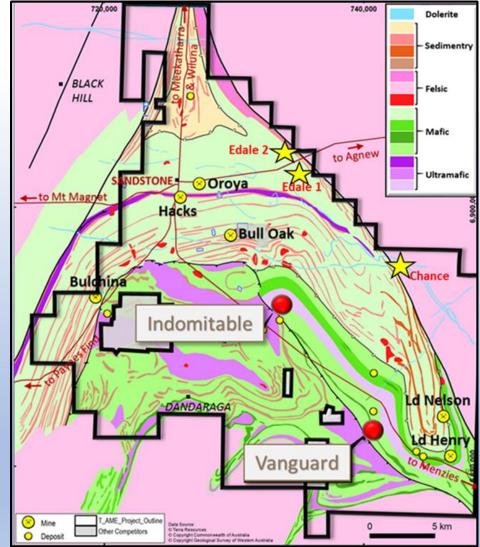




### Systematic Approach to Exploration (applied over past 2 years)



- Compilation of available historical drilling, geochemical and geological data
- Detailed magnetic surveys
- Litho-structural interpretation for targets
- Input from various consultants
- Integration of above produced the new geological plan
- Which identified 5 camp style Target Areas, ranked by potential prospectivity
- Initial focus on Vanguard Indomitable camps in "Mafic Terrane"
- 253 aircore holes (12,205m) drilled in June Quarter 2018, following extensive soil sampling program



# **Seeking a Pathway to Gold Production**

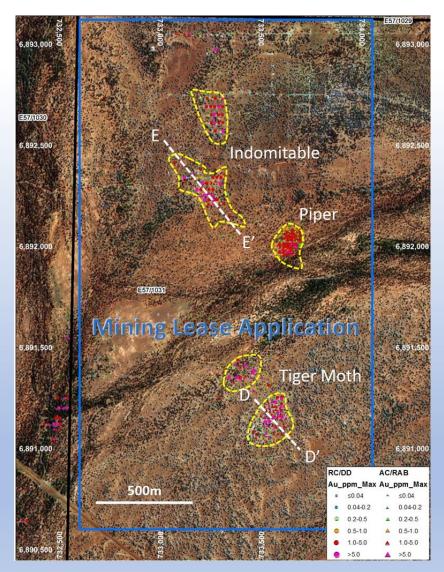


### SHORT TERM

- Indomitable Camp
- Vanguard Camp
- Bull Oak camp: (including open pit and extensions)
- Litho-structural targets
   Soil anomalies

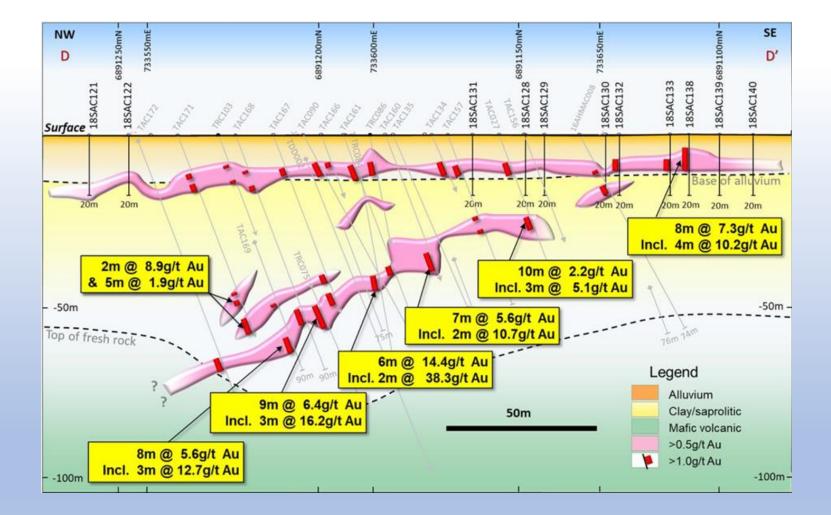
### **MEDIUM TERM**

- Reviewing ability of existing open pits to be cut back and/or deepened
  - Lord Nelson: current resource open and plunging deeper to south
  - Lord Henry: current resource open and dipping to north



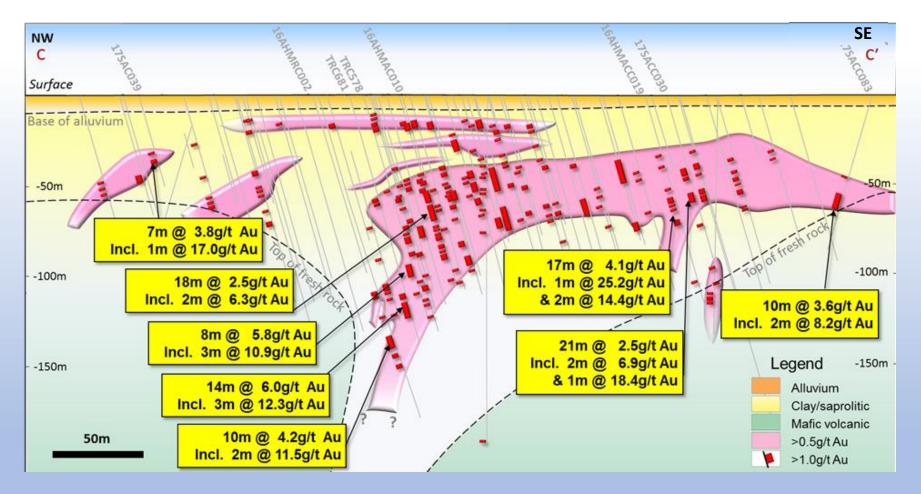
### Tiger Moth Long Section (width +/- 20m)





# Indomitable Long Section (width +/- 30m)



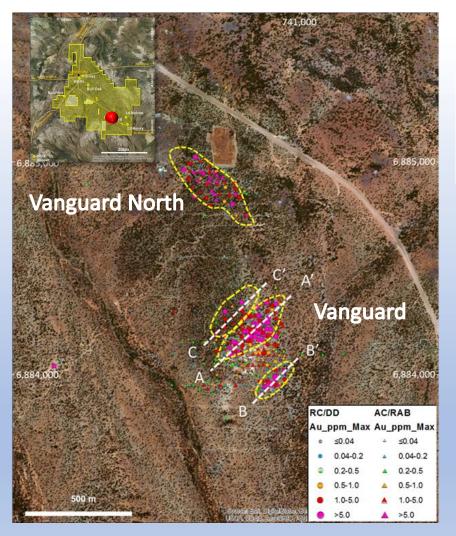


- Five metres of alluvium hid mineralization from early prospectors
- Deep tongue of oxidation (+200m deep) follows mineralization plunging off to NW
- Gold grades improve down plunge as mineralized structure approaches fresh rock

### Early Drilling Success – but more drilling required



### VANGUARD CENTRE



#### **Vanguard Oxide Intersections**

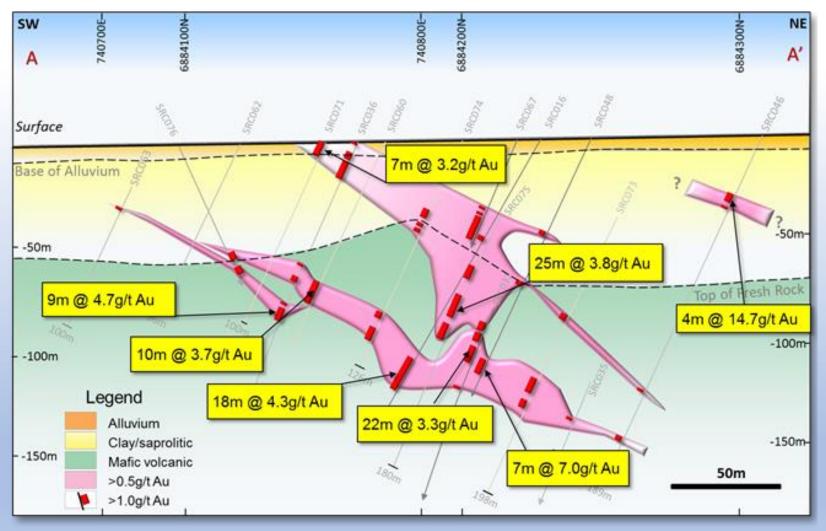
Hole ID	From (m)	To (m)	Interval (m)	Grade (g/t Au)
SRC046	34	42	8	7.8
SRC064	28	57	29	2.3
SRC067	39	72	33	2.3

#### **Vanguard Primary Intersections**

Hole ID	From (m)	To (m)	Interval (m)	Grade (g/t Au)
SRC075	28	50	22	4.2
SRC016	133	150	17	4.5
SRC032	109	131	22	3.3
SRC048	128	135	7	7

### **Vanguard Section "A"**

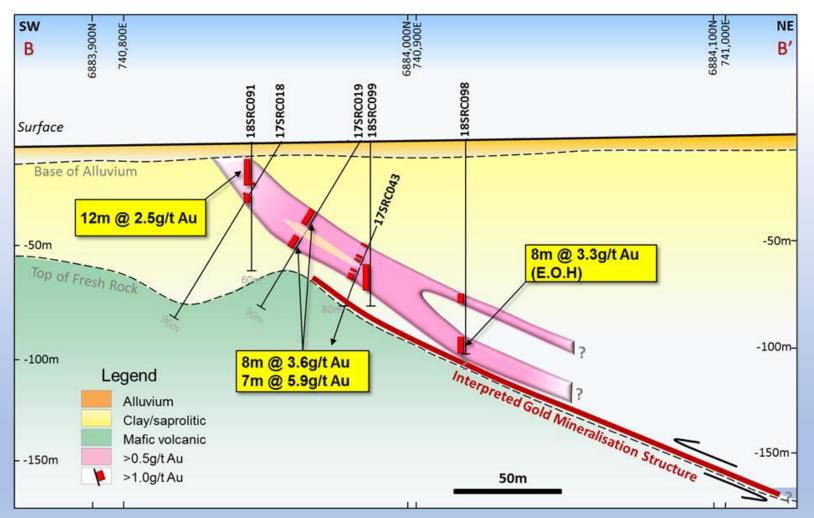




- Oxide gold mineralization close to surface.
- Primary gold mineralization open at depth with improving grades

### Vanguard Section "B"

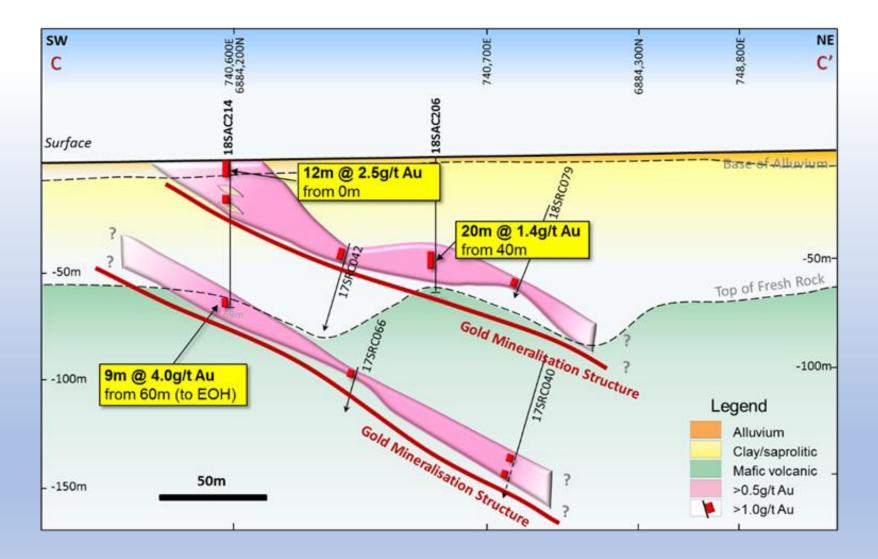




- Oxide gold mineralization close to surface.
- Primary gold mineralization open at depth with improving grades

### Vanguard Section "C"

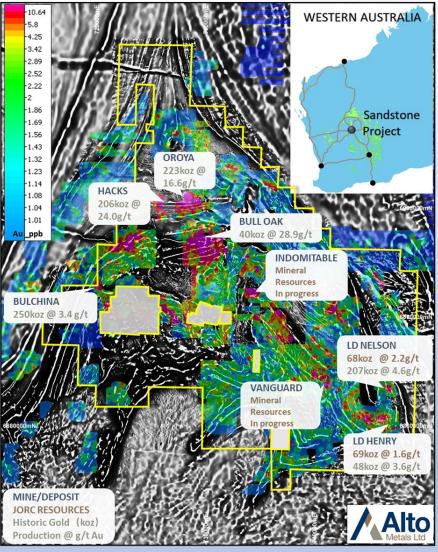




# 2018 Alto Soil Sampling Program



- Orientation soil sampling at Vanguard and Maninga Marley demonstrated successful methodology (Feb 2018)
- ~3,000 sample soil program completed (May 2018) to cover Alto's litho-structural targets and complement historic soil surveys
- Multiple priority target areas defined by soil program, eg:
   Valiant, Edale 1 & 2, Hancocks, Superb, Bulletin, and others
- Additional soil sampling in progress to refine targets
- Soil assay results have prioritised targets for aircore drill testing Q3, 2018



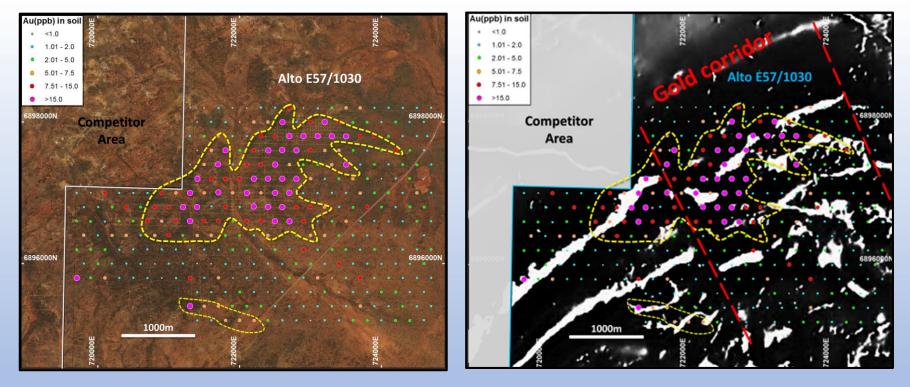
2018 Soil Results Integrated with Historical Work

# Gold in Soil Anomaly – target for drill testing



### **Valiant Anomaly**

(Alto data)



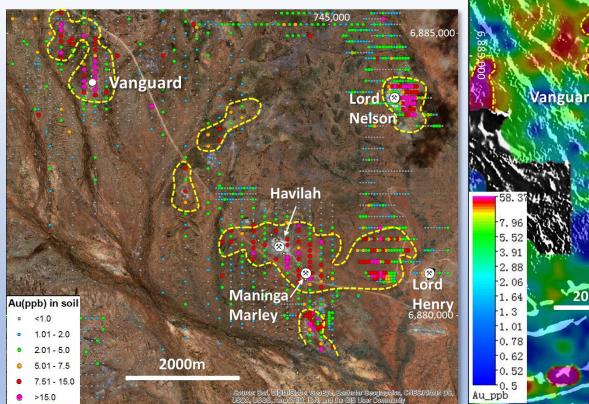
Soil Au Assays over Google Image

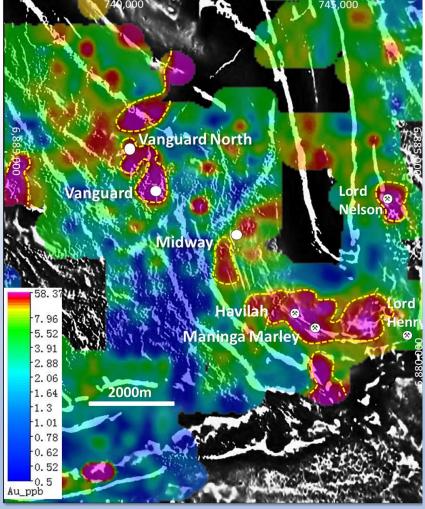
Soil Au Assays over 1<sup>st</sup> VD Magnetics

# Gold in Soil Anomalies – targets for drill testing

### Vanguard to Lord Nelson

(Lord Nelson soil sampled pre-mining)





#### Soil Au Assays over Google Earth Image

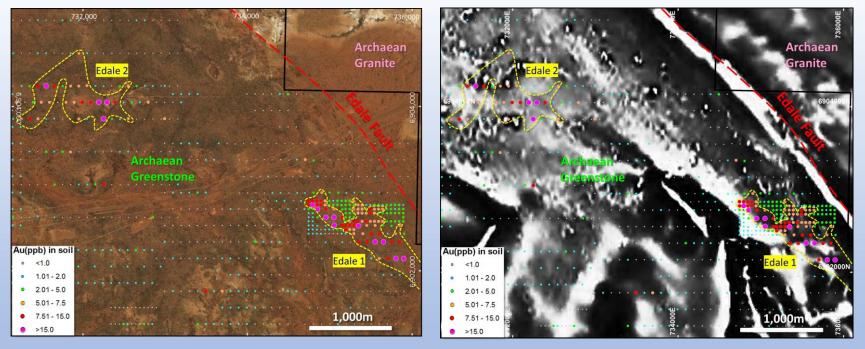
#### Soil Au Image over 1<sup>st</sup> VD Magnetics

# Gold in Soil Anomaly – target for drill testing



### **Edale Anomalies**

(Combination of Alto and historical data)



Soil Au Assays over Google Earth Image

Soil Au Assays over 1<sup>st</sup> VD Magnetics



# **EVALUATION**

- Extension and infill RC drilling at Indomitable and Vanguard Camps to respectively increase resources and for resource definition
- Update to the Company's JORC (2012) Mineral Resource inventory following completion of resource estimates by Carras Mining Pty Ltd
- Scoping study for mining project to fund ongoing exploration (inc. geotechnical and metallurgical studies, DC & infill RC drilling)

### **EXPLORATION**

- Geological reconnaissance and focused soil sampling, followed by AC/RC drilling at a number of gold-in-soil anomalies
- AC drilling at Vanguard to define the extent of the newly discovered mineralised structures
- AC drilling at other areas such as Vanguard and Indomitable where the recent AC program has identified new mineralisation

### **Investment Case**



Alto's back to basics exploration approach in rebuilding the geology from the ground up is beginning to result in discoveries in the 35km x 35km Sandstone goldfield (mostly wholly owned by Alto):

- Vanguard new discovery and growing Resource Estimate in progress for scoping study
- Indomitable re-interpretation of mineralisation controls Resource Estimate for scoping study
- Soil sampling numerous anomalous areas typically >50ppb Au identified, some of which appear to be ~1km x 1km or 3km x 3km, and has also highlighted areas of mined laterite Au, with no evidence of deeper drilling
- Hancocks Bull Oak Emerging gold camp
- Stingray undrilled ~2km diameter area with extensive prospecting evidence and alluvial Au on margins, and extensive "*de-magged*" BIF outcrop
- Oroya historical unmined Au intercepts below and west of the open pit:
   Eg. 4m @ 12.3g/t Au, 7m @ 6.8g/t Au & 12m @ 3.4g/t Au



Sandstone Mineral Resources JORC (2012)					
Prospect	Category	Kt	Grade	KOz	
Lord Nelson	Inferred	983	2.2	68	
Lord Henry	Indicated	1,238	1.6	65	
	Inferred	110	1.3	4	
Lord Henry Total		1,348	1.6	69	
TOTAL (JORC 2012)		<b>2</b> ,331	1.8	137	

### JORC (2012) Resource Estimation in Progress at:

- Indomitable
- Tiger Moth
- Vanguard
- Piper

## **Appendix Sandstone Town**

### **Communication & Infrastructure**

- Shire population ~200
- 600kms north of Perth
- Pastoral region, sheep, cattle
- Gravel daytime airstrip
- Mobile phone coverage
- Grid power, potable water







