



# **AGM Presentation**

29 November 2011

Northwest Resources Limited • ASX: NWR • www.nw-resources.com.au

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The information in this presentation relating to exploration results is based on information compiled by Mr. Charles Gillman, who is a Member of Australian Institute of Geoscientists. Mr. Gillman is a full-time employee of the Company and 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 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr. Gillman consents to the inclusion in this presentation of the matters based on his information in the form and context in which it appears.



# Presentation outline

1	Northwest
2	Gold & Antimony
3	Nullagine Gold & Antimony Project
4	Camel Creek Trend
5	Blue Spec Shear



# Project snapshot

### Northwest controls the Nullagine Gold & Antimony Project in WA

Within the Project are the high-grade Blue Spec Shear gold-antimony deposits and the moderate grade Camel Creek Trend gold deposits



### **Camel Creek Trend**

Gold production in early 2015 from non-core Camel Creek open pit deposits through announced production joint venture with Millennium Minerals



### **Blue Spec Shear**

Currently developing the core Blue Spec Shear deposits into one of the highest grade underground gold mining centres in Australia



# Corporate snapshot

### Northwest is an undervalued gold stock

ASX code: NWR		NWR     Daily Line Chart [Close]       XGD - Daily Line Chart [Close]       8400 - ↓	
Shares on issue:	130.9m (no options)		
12 month range:	8c - 17c		
Market cap:	\$14.4m (@ 11c)		
Shareholders:	~1,100 (top 20: ~65%)		.110
Cash:	\$3.75m *		
Current JORC resources		- 14 10 10 10 10 10 10 10 10 10 10 10 10 10	.080
Gold: Antimony: Gold Eqv:	402,000 oz 9,000 t 481,000 oz	NWR Volume (with MA) [200]	000000
EV/oz:	\$39	<u>In the state of t</u>	

Northwest 12 month share price compared with the S&P/ASX All Ordinaries Gold Index

Northwest

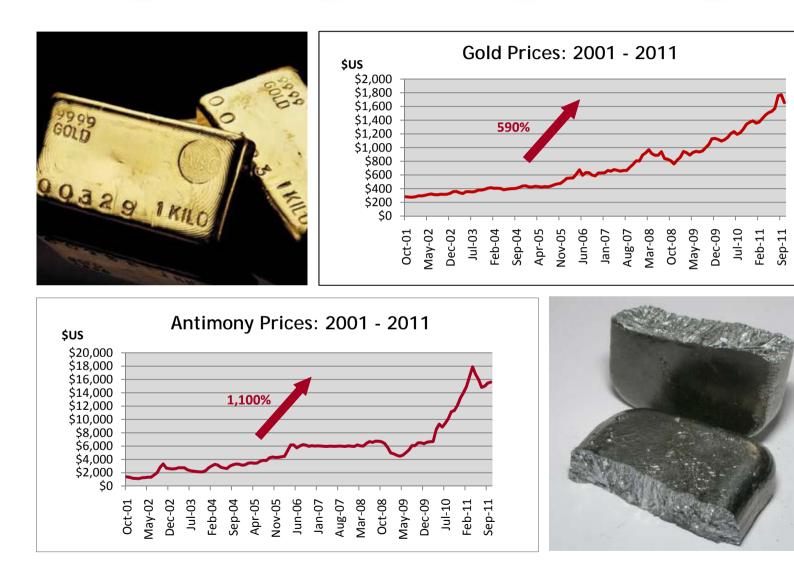
\* As at 30 June and includes value of Camel Creek JV equalisation payments



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# Gold & Antimony



Northwest

Sources: www.metalprices.com (18 Oct 2011)

# Strong outlook for gold



### EU economic and regional geopolitical concerns

- ∠ EU sovereign debt concerns (Greece, Italy, Spain, Ireland)
- ∠ North African and Middle Eastern political turmoil
- ∠ Driving safe haven investment

### US economic and inflationary concerns

- ∠ Federal Reserve quantitative easing (printing money)
- ∠ S&P downgrade of US national debt (\$14 Trillion)
- ∠ No recovery for US dollar in sight





### Investment demand

- ↗ India and China driving consumer demand for gold jewellery
- ↗ Gold bars and coins owned by individuals accounted for 19% of world's gold stocks in 2009
- ↗ Government reserves accounted for only 16% of gold stocks



# Strong outlook for antimony



### \$1.8 billion annual market size

- Largest use as flame retardant in clothing & construction industry
- ↗ Also used in manufacturing PET plastic bottles
- New uses in flash memory devices for computers, mobiles & USB devices

### Reduced supply driving sustainable price

- ∠ Major Chinese mines will be depleted in 4 years (60% of world's reserves)
- ∠ Chinese government production quota since 2009 (along with rare earths & tungsten)
- ∠ Scramble for non-China sources of supply





### A strategic metal

- ↗ No commercial substitute for antimony
- EU declared antimony 1 of 14 technology metals critical to European industry and facing supply challenges in 2010
- China declared antimony a strategic metal in 2009



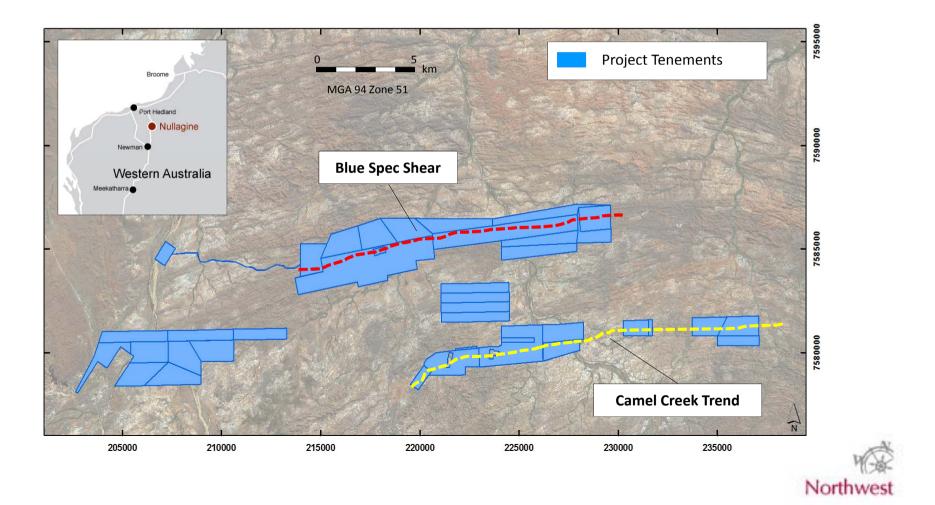


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# **Nullagine Gold & Antimony Project**

Nullagine is emerging as a new mining centre only 2 hours by road from Newman



# Nullagine Gold & Antimony Project

The Nullagine Au/Sb Project hosts separate low grade and high grade project areas



### **Camel Creek Trend**

- ↗ Multiple low grade deposits
- ↗ Open pit development



### Blue Spec Shear

- ↗ Multiple high-grade deposits
- ↗ Gold and antimony
- ↗ Underground development
- Current JORC mineral resource at Blue Spec & Golden Spec -329,000 oz @ 20.7 g/t & 9,000 t Sb



# Nullagine Gold & Antimony Project





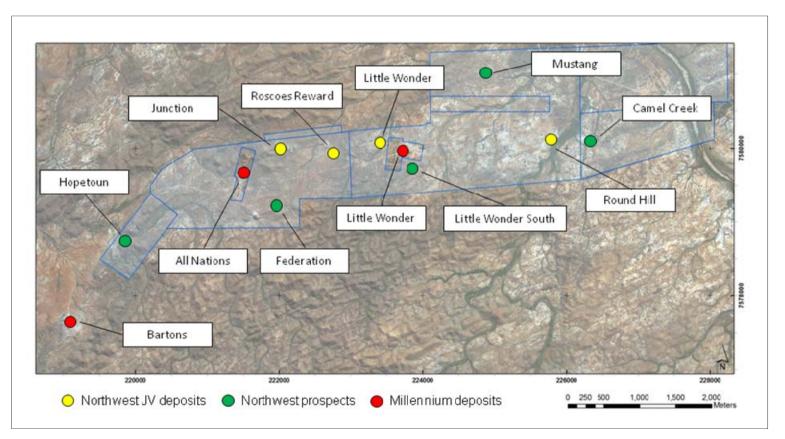


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# **Camel Creek Trend**

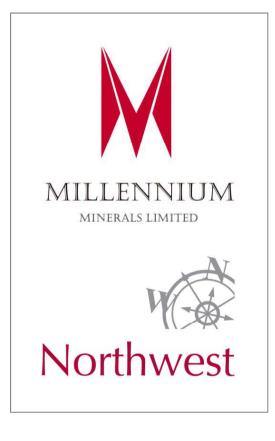
Near surface gold deposits with excellent potential for further discoveries





# **Camel Creek Joint Venture**

The JV ensures Northwest transitions from explorer to producer status



### Partner - Millennium Minerals (ASX: MOY)

- ↗ Constructing 1.5 MTPA gold project at Nullagine
- ↗ Financing complete production in Q3 2012
- ↗ Camel Creek deposits a natural fit with MOY's project

### Joint Venture

- ↗ Signed and announced
- ↗ 50/50 JV to be operated by MOY
- → JV mining to start in early 2015

#### Revenue

- → Target JV production from current deposits ~40,000 oz
- ↗ Anticipated cash costs ~\$750 per oz
- ↗ No up-front capex contribution from Northwest
- ↗ Exploration will add new deposits to JV



# **Exploration Upside**

### Northwest is confident that further exploration will add deposits to the JV



### Exploration upside

- Drilling programme at JV deposits currently underway to test extensions to deposits
- ↗ Reserve estimates for JV deposits expected in 2Q 2012
- Numerous prospects for follow-up drilling (Federation, Corsair, Mustang)



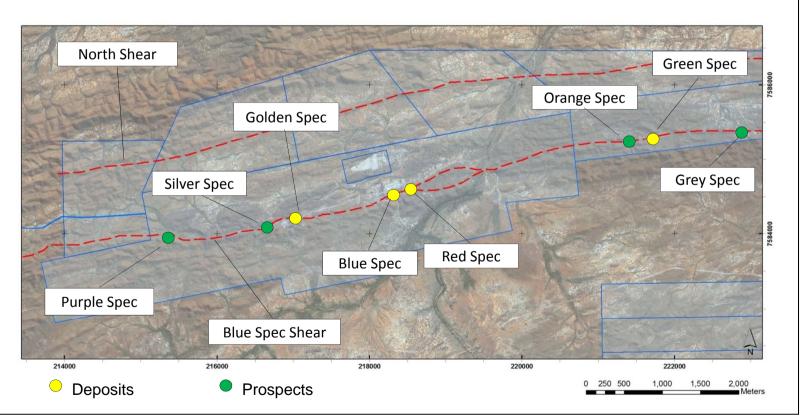


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## **Blue Spec Shear**

Blue Spec & Golden Spec are some of the highest grade gold deposits in Australia





## High grade narrow vein gold mining

Quality high grade narrow vein underground gold mines are company makers



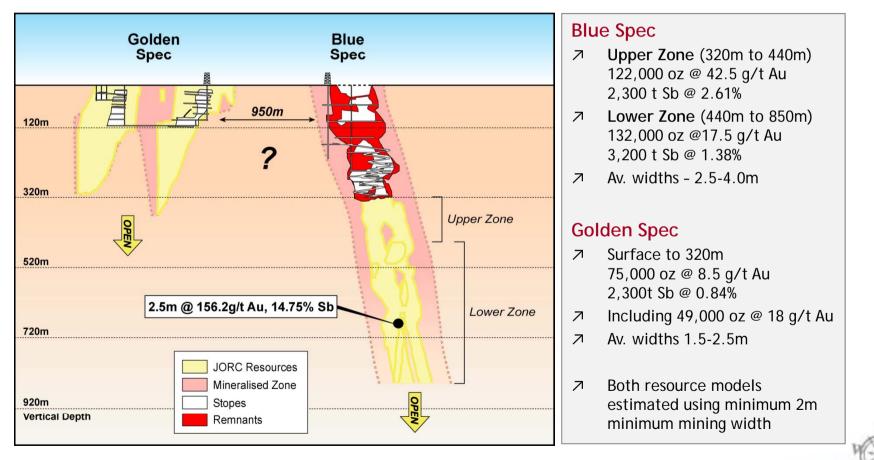
### Successful narrow vein gold mines:

- ↗ Modest resources & reserves on start-up
- Mined ounces replaced by underground exploration drilling
- ↗ High-margin operations
- ↗ Huge value created for shareholders



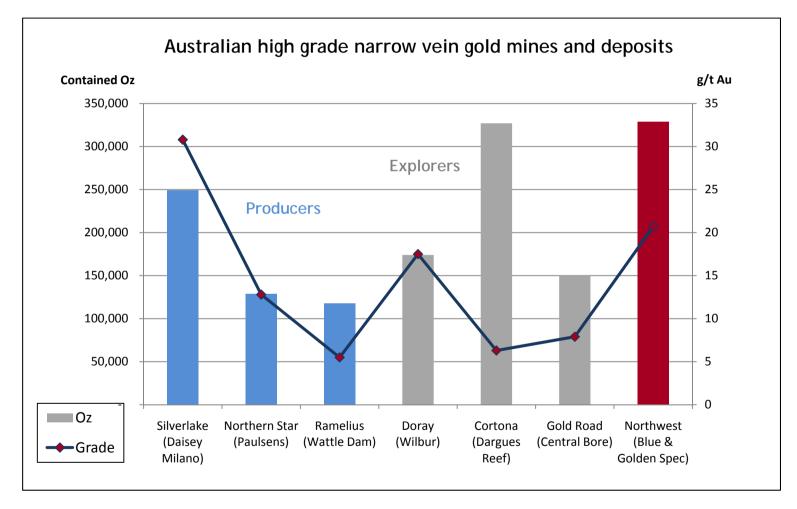
# **Blue Spec - Golden Spec**

Current mineral resource inventory of 329,000 oz @ 20.7g/t & 9,000t Sb at Blue Spec-Golden Spec is a robust platform for mining





### How does Blue Spec - Golden Spec compare



Source: Public reports

For producers graph shows JORC resources on commencement of production under current ownership For explorers and Northwest graph shows current JORC resources



# **Blue Spec - Golden Spec potential**

Excellent potential to expand Blue Spec-Golden Spec significantly

### **Blue Spec**

- A Lower Zone (440-850m) grade adversely affected by lower drilling density compared to Upper Zone
- ↗ Lower Zone intersections include bonanza 2.5m @ 156.2 g/t Au & 14.75% Sb from 715m down-hole
- ↗ Target mineralisation: Additional 250,000 280,000 oz from Lower Zone

#### **Golden Spec**

- ↗ "Specs" show remarkable plunge continuity
- ↗ Golden Spec could be defined down to Blue Spec depth (850m not closed off)
- ↗ Target mineralisation: Additional 110,000 140,000 oz at Golden Spec

#### "New" Spec

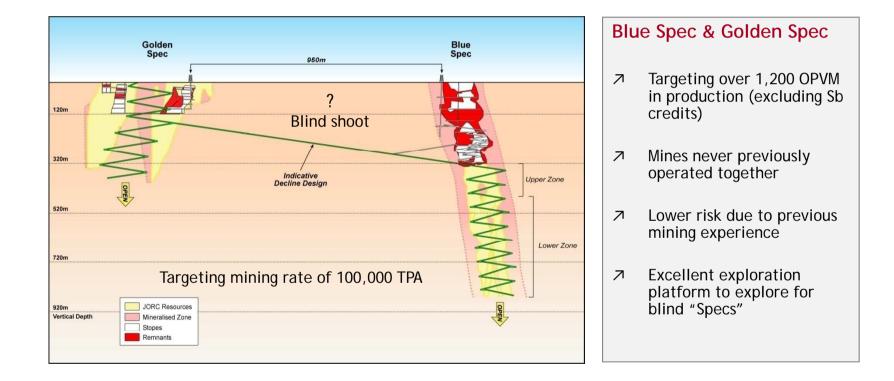
- Potential to discover blind shoot(s) between Blue Spec and Golden Spec during development
- ↗ Target mineralisation: ???

Target mineralization is conceptual in nature and should not be construed as a mineral resource or reserve. It is based on a projection of known lodes and mineralization having regard to geological advice and it is uncertain if further exploration will result in the determination of a mineral resource. Northwest has estimated the target mineralization for Blue Spec and Golden Spec based on demonstrated plunge continuity and a straight line projection of opvm from the current JORC resources.



## **Combined operation**

### The combined development provides scale and operational flexibility





# **Development Path**

### A focus on de-risking operations and minimising cap-ex



CIP treatment plant on site

### **Underground mining**

- ↗ Introduce an experienced underground contractor to de-risk project
- Ongoing discussions with preferred underground contractors

#### **Processing options**

- Alternative processing options to minimise cap-ex being evaluated
- Refurbishing existing plant on site (rated to 100,000 TPA) or utilising Millennium's Minerals' plant to produce gold & Sb con
- ↗ Building a simple concentrator plant to produce a high value Au-Sb con

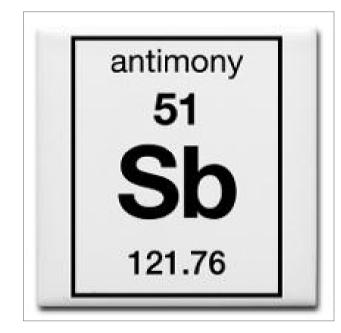
#### Infrastructure

↗ Potential to share project infrastructure with Millennium Minerals



# Antimony's value to Northwest

Gold is the focus but antimony is a significant positive



### By product of gold production

- Sb concentrate sales have potential to generate additional 10-15% revenue as a credit
- Antimony credits will drive low cash costs

### **Off-take potential**

- ↗ Strong overseas off-take interest for Northwest Sb concentrate
- Discussions with interested parties continuing

### Metallurgical test work

- Diamond drilling programme to provide core samples for met test work has started
- ↗ Concentrate samples for discussions with off-take parties

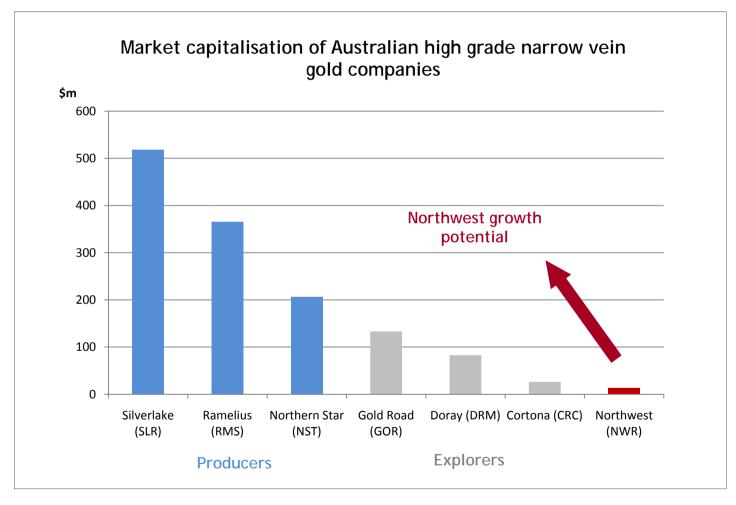


# Why invest in Northwest





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Northwest

Source: ASX (18 Oct 2011)

### The next 12 months

Steps towards achieving Northwest's goal of becoming a mid-tier gold producer in 2013

- ↗ More drilling at Camel Creek Trend and Blue Spec Shear to expand resource base
- ↗ Bring in underground mining partner for Blue Spec-Golden Spec operation
- ↗ Finalise acquisition of minority 35% in Nullagine Gold & Antimony Project
- ↗ Select optimum processing option for Blue Spec- Golden Spec operation
- ↗ Complete permitting for Blue Spec-Golden Spec operation









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