

# **Resources Roadshow**

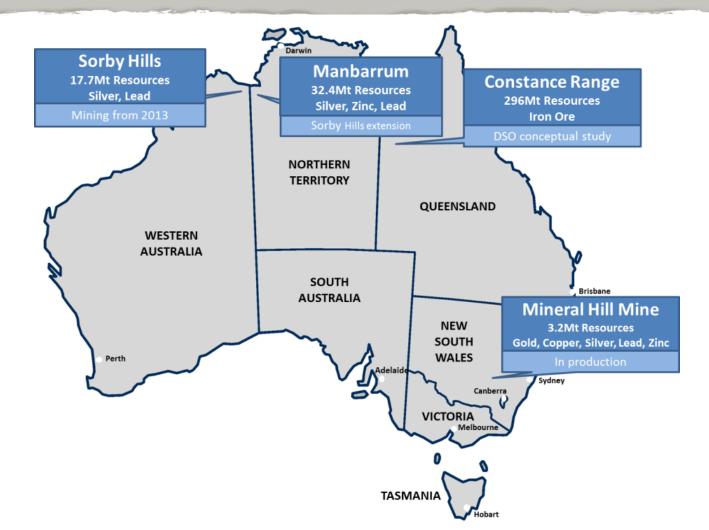
# 20 September 2011

**Stuart Mathews** 

**Chief Operating Officer** 



### **PRECIOUS & BASE METAL PRODUCTION COMPANY**







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#### **Competent Persons Statement**

The information in the Presentation that relates to Exploration Results and Mineral Resources has been compiled by Mr Stuart Mathews, MSc (Hons), who is a Member of the Australasian Institute of Mining and Metallurgy and is a full-time employee of the Company. He has sufficient experience that is relevant to the styles of mineralisation and types of deposit under consideration and to the activity that is being undertaking to qualify as a Competent Persons as defined in the 2004 edition of the Australasian Code for Reporting of Exploration Results, Minerals Resources and Ore Reserves. Mr Mathews consents to the inclusion in the Presentation of the matters based on his information in the form and context that the information appears.

Information relating to Resource Estimates is based on prior reports prepared by Mr Colin Lutherborrow (an employee of Zilloc Pty Ltd and a Member of the Australasian Institute of Mining and Metallurgy) in relation to the Mineral Hill project, and Mr Daniel Wholley (an employee of CSA Australia Pty Ltd and a Member of the Australian Institute of Geoscientists) in relation to the Sorby Hills, Manbarrum and Constance Range projects. Each of these persons has sufficient experience that is relevant to the styles of mineralisation and types of deposit under consideration and to the activity that is being undertaking to qualify as Competent Persons as defined in the 2004 edition of the Australasian Code for Reporting of Exploration Results, Minerals Resources and Ore Reserves. Further, each of these persons consents to the inclusion in the Presentation of the matters based on his information in the form and context that the information appears.



## **POST-NOTES CAPITAL STRUCTURE**

Shares on issue*	188.2m	5,0
38c Convertible Not	tes** 35m	4,
Options	2.4m	4,0
Market Cap (at 30c/	(share) <b>\$</b> 56.5m	3,
Cash (June 2011)**	* <b>\$</b> 10.4m	3,0
Adjusted Cash Posi	tion** <b>\$23.2m</b>	2,
Enterprise Value****	* <b>\$</b> 46.6m	2,0
Kimberley Metal	s investors	1,!
18%	11%	5
■ Yuguang (Australia) ■ Jinji Australia ■ Other Top 20	<ul> <li>7%</li> <li>4%</li> <li>4%</li> <li>Toho Zinc</li> <li>Board &amp; Management</li> <li>Rest</li> </ul>	



\* Includes 23.4m shares escrowed until 25 February 2012 \*\* Assumes full acceptance of Placement and Rights Issue (ex costs) \*\*\* Includes \$2.1m Sorby Hill Joint Venture cash as at **30 June 2011** \*\*\*\* Enterprise Value = Equity + Debt - Cash



# **CONVERTIBLE NOTE**

- \$8.4m raised in Placement and Rights Issue
- \$4.9m shortfall being placed
- Key Terms
  - 10% per annum
  - 5 years to maturity
  - 38 cent issue price
  - Listed on ASX (KBLGA) and trading from 9 September 2011

### • Conversion (1:1)

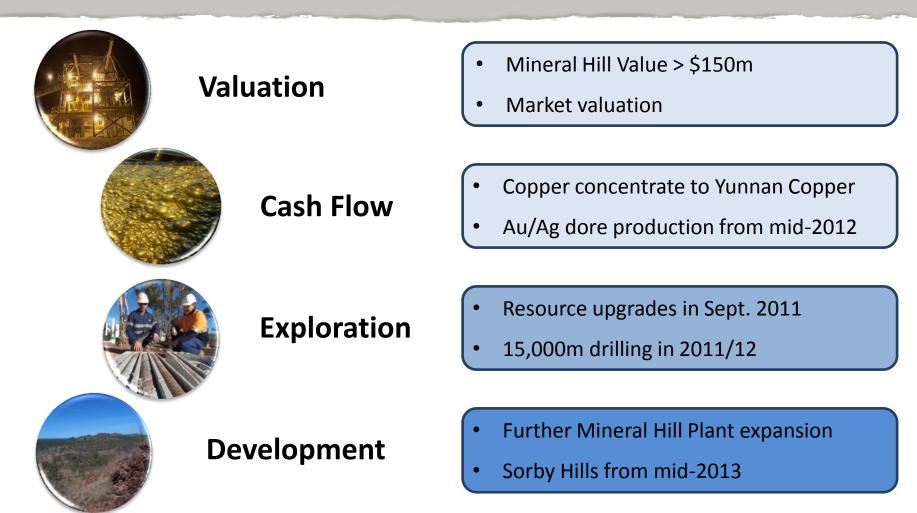
- Noteholder: Option to convert each quarter over duration
- Company: Share price >50c for at least 45 consecutive business days during final 3 years and only after giving Noteholder option to convert

Background

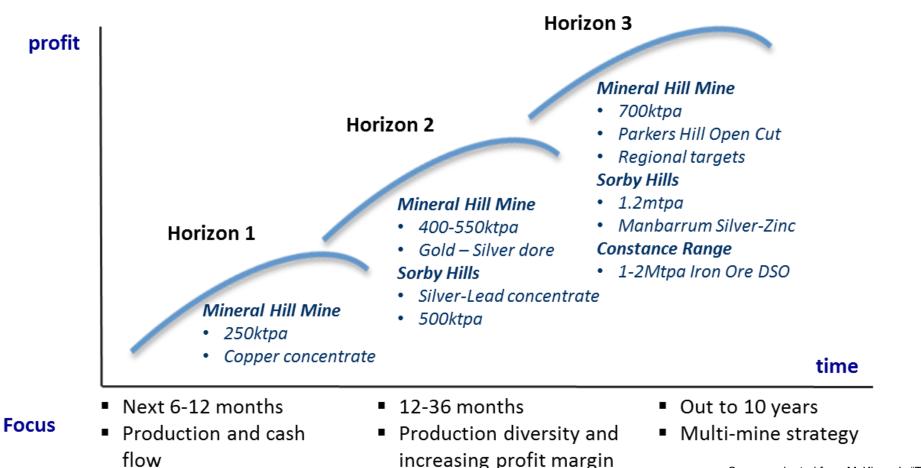
# **KIMBERLEY METALS**



## WHY INVEST IN KIMBERLEY?



## **SUSTAINED GROWTH STRATEGY**



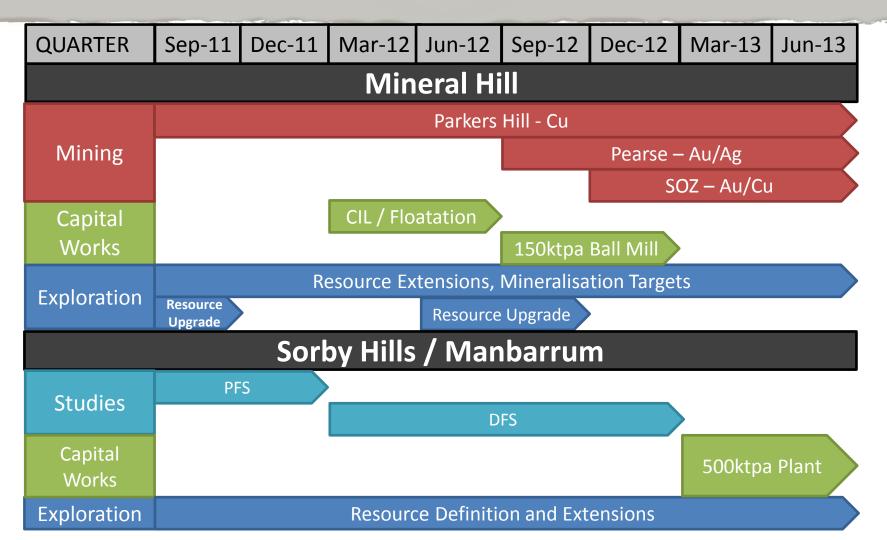
Source: adapted from McKinsey's "The Alchemy of Growth".





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## **TWO YEAR PLAN**



Precious & Base Metal Production from

# **MINERAL HILL MINE AND PLANT**

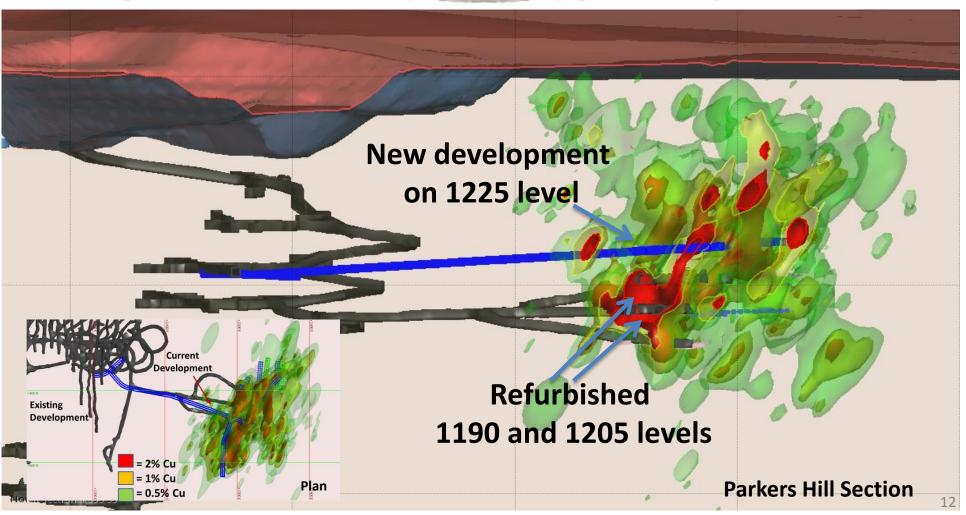
## **Decade Long Production Potential**

New Resource	t	Cu %	Pb %	Zn %	Ag g/t	Au g/t
Parkers Hill Primary/Sulphide	1,500,000	1.9	1.2	1.2	36	0.3
Parkers Hill Oxide	1,100,000	0.9	3.7	0.4	70	0.05
Pearse	298,000				80	6.5
ESOZ	315,000	1.9	0.1	0.1	8	4.6
SOZ	MAIDEN RESC	OURCE TO	BE ANNO	UNCED IN	SEPTEMBER	
Metal Content	t	t	t	t	OZ	OZ
Parkers Hill Primary	1,500,000	28,500	18,000	18,000	1,741,935	14,516
Parkers Hill Oxide	1,100,000	9,900	40,700	4,400	2,483,871	1,774
Pearse	298,000	-	-	-	769,032	62,484
ESOZ	315,000	5,985	315	315	81,290	46,742
SOZ	MAIDEN RESC	OURCE TO	BE ANNO	UNCED IN	SEPTEMBER	
Summary		t Cu	t Pb	t Zn	oz Ag	oz Au
New Indicated & Inferred Resource	3,213,000	44,385	59,015	22,715	5,076,129	125,516
Old Indicated Resource	2,687,000	31,091	51,768	15,468	4,388,871	76,667
ADDED	526,000	13,294	7,247	7,247	687,258	48,849
Change	20%	43%	14%	47%	16%	64%

Indicated and inferred resources for Mineral Hill broken down in slide 37



# CURRENT MINE DEVELOPMENT AT PARKERS HILL





## PARKERS HILL SUMMARY

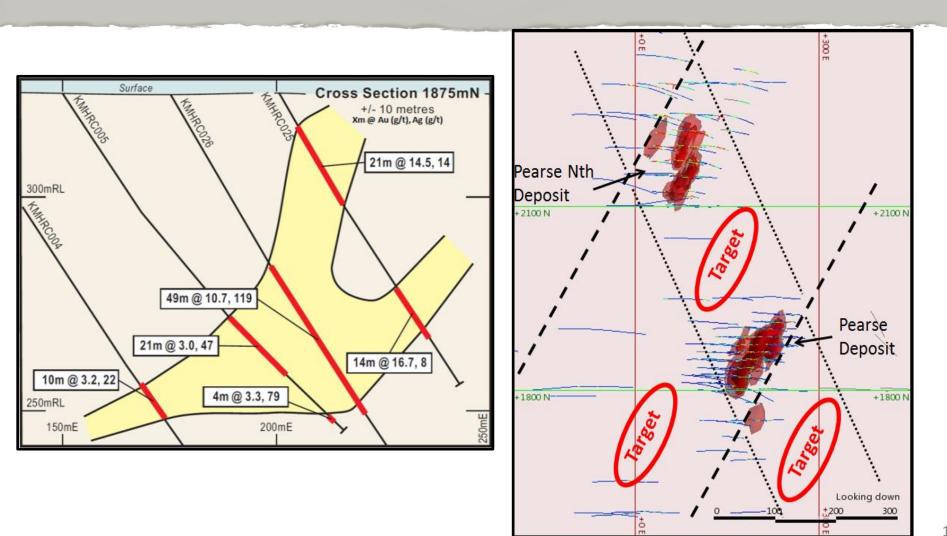
<b>Copper Annual Production</b>		
Ore Treated	250,000	t
Grade	2.10%	
Recovery	90%	
Concentrate	20,000	t
Cu metal	5,000	t

Credits		
Au	1,500	OZ
Ag	120,000	oz 🔒





### **PEARSE DEPOSIT**







## **PEARSE OPEN CUT**

Gold - Silver Annual Production	2.5 years	
Ore Treated	120,000	t
Grade Au	7	g/t
Grade Ag	72	g/t
Recovery Au	80%	
Recovery Ag	50%	
Au production per annum	20,000	OZ
Ag production per annum	135,000	OZ

- Public display completed with no objections.
- Regulatory approvals expected November 2011
- Production targeted to commence mid-2012

Addition of Pearse production raises Mineral Hill output to 50,000oz Au equivalent

### **REFURBISHED AND UPGRADED PLANT**





#### EXTENDING THE LIFE OF MINERAL HILL MINE

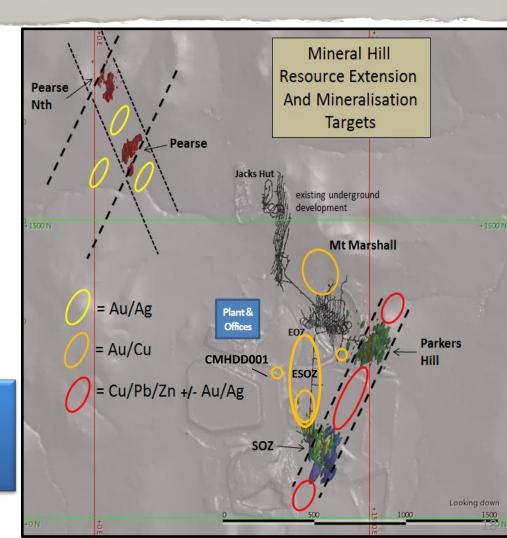


# **MINERAL HILL RESOURCE EXPANSION**

- Extend current ore zones
  - ESOZ (Maiden Resource Sept '11)
  - Parkers Hill (upgraded Sept '11)
  - SOZ
  - Pearse North
- Test mineralisation targets
  - Red Terror
  - Parkers Hill to SOZ
  - Mt Marshall
  - CMHDD001

#### Resource upgrade for SOZ in September 2011 TARGET : 1-1.5mt @ 1.75-2.25% Cu, 1-2g/t Au\*

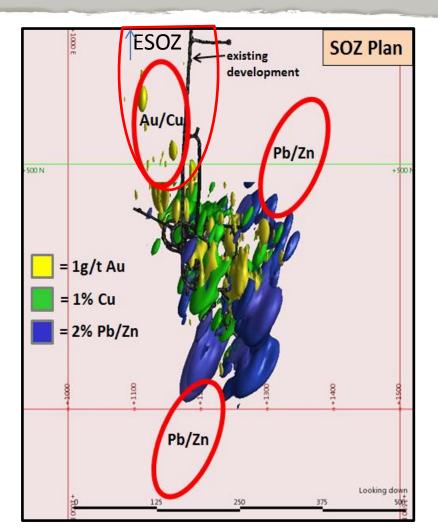
\* Potential quantity and grade is conceptual in nature, there has been insufficient exploration to define a Mineral Resource and it is uncertain if further exploration will result in the determination of a Mineral Resource

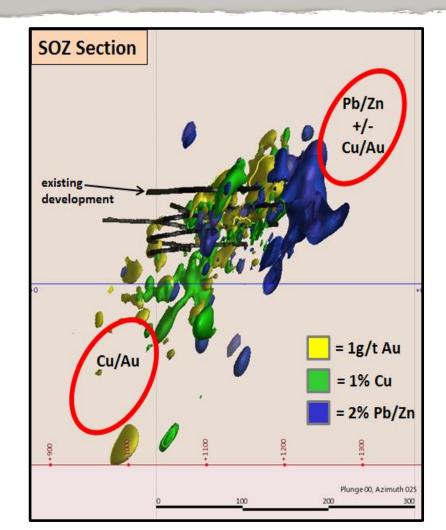






# SOZ (Pb-Zn-Ag, Cu-Au)









## **PRIORITISED TARGETS**

### 1. Red Terror

- Re-discovered high grade Cu/Au trend
- Accessible from existing development
- High priority drill targets:
  - UEOZ01: 7.6m @ 1.4% Cu & 8.8g/t Au
  - UEOZ03: 12.8m @ 4% Cu & 2.7g/t Au

### 2. Parkers Hill to SOZ

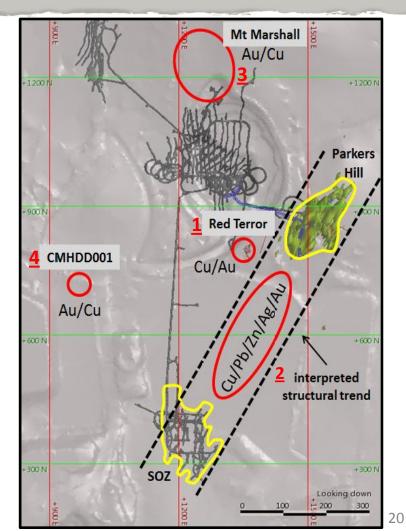
- Newly defined Cu-Au-Ag-Pb-Zn structural corridor
- Potential to discover Parkers Hill/SOZ styles
- Accessible from existing development
- 400m long target zone

### 3. Mt Marshall

- Potential pit cut-back at Eastern Pit into oxide Cu/Au trend
- Drill targets defined

### 4. CMHDD001

- Single isolated drill hole
- Results: 5m @ 3.5g/t Au, 3.4% Cu
- Potential new SOZ-type Au/Cu ore zone

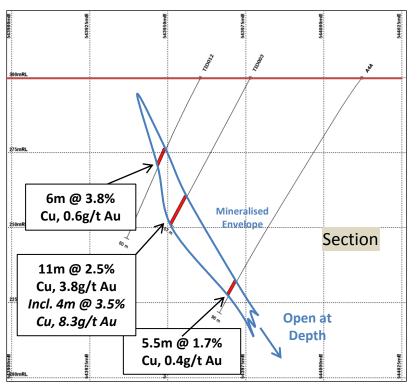


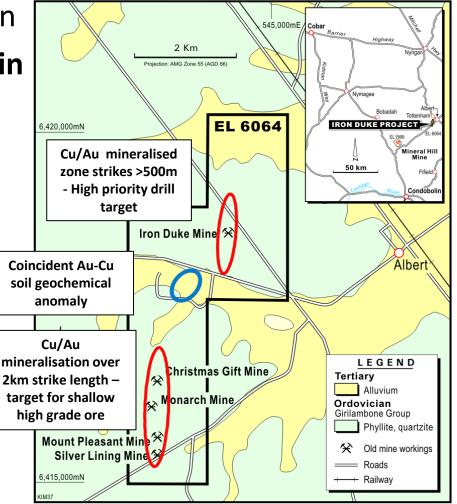




# **IRON DUKE (Au-Cu)**

- Significant Au/Cu mineralisation
- Drill Rig to commence drilling in October 2011







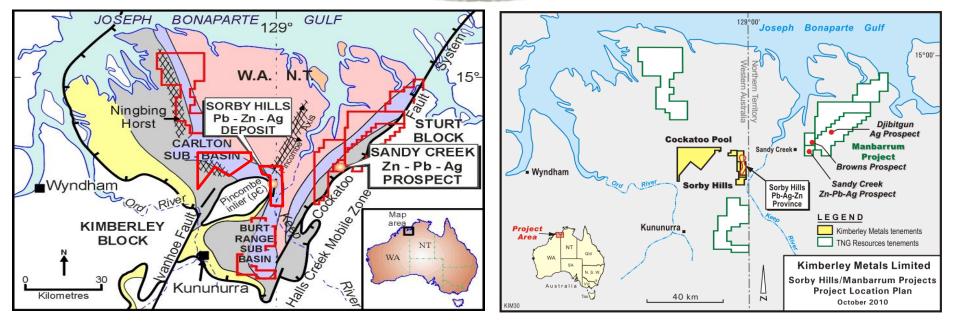
# **SORBY HILLS & MANBARRUM**

NEW MINING REGION - BONAPARTE BASIN





## **BONAPARTE BASIN**



- Mississippi Valley Type (MVT) Ag-Pb-Zn mineralisation
  - 140km strike
  - **Open Cut Depths** with **5 30m** of alluvial cover
  - Sorby Hills on West limb of syncline, Manbarrum on East limb



# WORLD CLASS MVT Ag-Pb-Zn DISTRICT

### **BONAPARTE BASIN, WA**

(Kimberley Metals)

- Unmined
- Open cut depths
- Resource drilling only
- 120km to Wyndham port
- Value?

### KAPOK, LENNARD SHELF, WA

(Meridian/Northwest Non-Ferrous)

- Mined since 1988
- Underground
- Substantial reserves added during mining
- ~300km to Derby Port
- \$68m conditional takeover of Meridian
  Contained Metal

Resources			Grade			Contained Metal			
Deposit		MT	Zn %	Pb %	Ag g/t	Zn (t)	Pb (t)	Ag (oz)	
Sorby Hills	Inferred/Indicated	17.7	0.7%	4.5%	54	123,900	796,500	30,832,258	
Sandy Creek	Inferred/Indicated	22.9	1.8%	0.5%	4.6	412,200	114,500	3,398,065	
Djibitigun	Inferred		0.6%	0.0%	20	57,000	-	6,129,032	
TOTAL	Bonaparte Basin	50.10	1.2%	1.8%	25	593,100	911,000	40,359,355	
Kapok	Inferred	17.73	4.5%	5.1%	24	797,850	897,138	13,726,452	

2.5% Pb Cut-off for Sorby Hills – refer to pages 64 & 65

<sup>24</sup> 



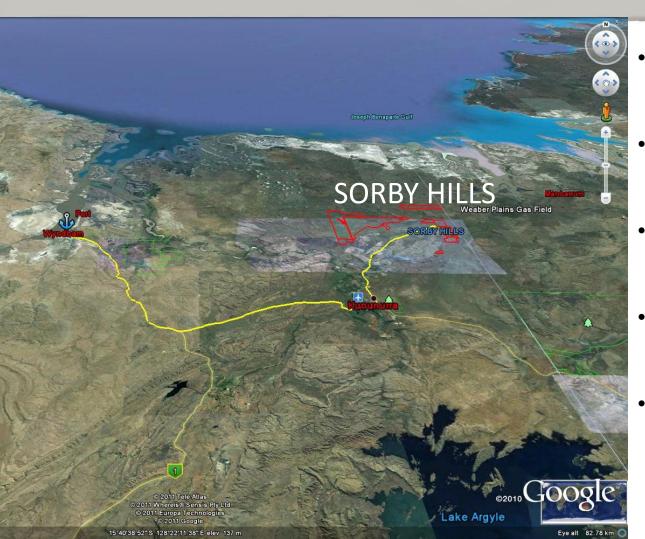
Australia's largest undeveloped Ag-Pb resource at **open cut depth** 

# **SORBY HILLS**





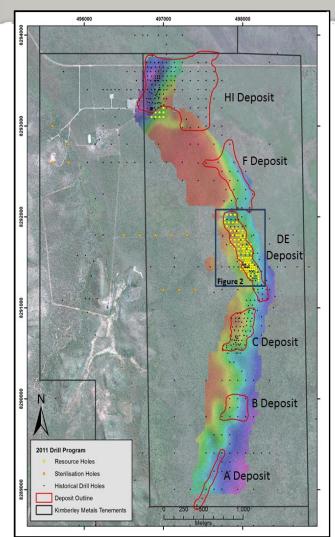
## **SORBY HILLS SILVER-LEAD PROJECT**



- 40 km north of Kimberley regional centre, Kununurra
- Adjacent to modern infrastructure
- 120km by road to port facilities at Wyndham
- Large undeveloped Ag-Pb resource at open cut depth
- Definitive Feasibility Study targeted for end 2012



# BACKGROUND

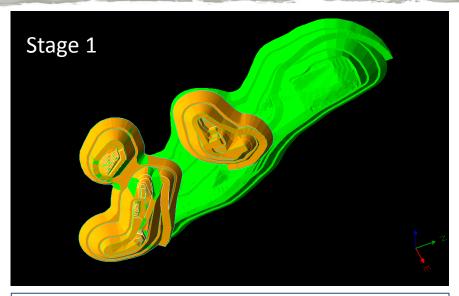


- 17 Mineralised Deposits over 8km strike length
- 17.7mt of indicated and inferred resources @ 4.7% Pb and 54g/t Ag
- Discovered 1971 by Elf Aquitaine
  - 1972-88: **889 drill holes**
  - 3 Preliminary Feasibility Studies (1974-79)
  - Project shelved in 2000s due to Ord River Scheme expansion uncertainty
- Project acquired by Kimberley in 2008
  - Government development plans now include Project
  - WA government renewed mining leases for 21 years in February 2010
- 25% JV with China's largest Lead smelter, Henan Yuguang Gold & Lead (HYG&L)



## **STRATEGIC DEVELOPMENT PLAN**

- Shallow (<70m) open cut mining project based on D-E Deposits
- Lower capital cost development option with reduced operational risk
- Stage two expansion based on F & I
   Deposits, Alpha & Beta Deposits & underground options
- Target Project Approvals late 2012
- Target First Mining Operations mid 2013



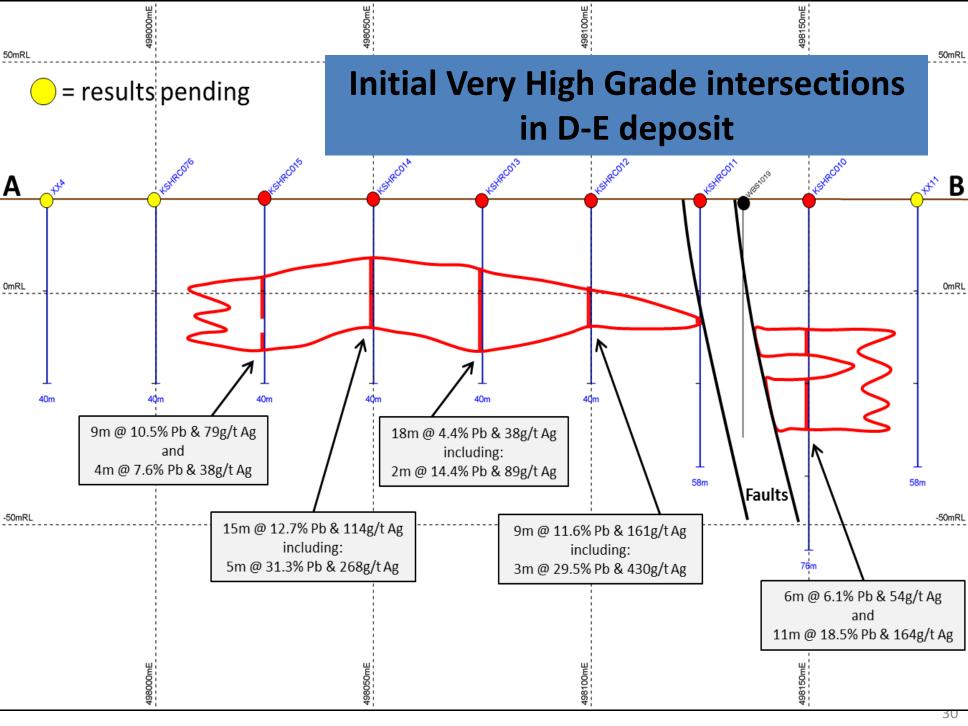
- Stage 1: 450-600ktpa ore
- 3.5Mt @ 60g/t Ag, 4% Pb, 0.36% Zn (2% Pb cut-off)
- 4.7:1 strip ratio
- 90T Truck access
- > 10 year mine life
- Stage 2: 1.2mtpa



# 2011 WORK PROGRAM

### Complete Pre-feasibility Study to establish project parameters

- Key project personnel on-site
- 6,000m of infill resource drilling of E-Deposit & resource extension of D-Deposit
- Hydrogeological and environmental fieldwork complete and community consultation underway
- Beijing General Research Institute of Mining & Metallurgy (BGRIMM) appointed for PFS plant design & costing



Sorby Hills project extension

# MANBARRUM







## BACKGROUND



- Kimberley farmed into TNG's Manbarrum project up to 80% in February 2011
- 30km from Sorby Hills
- \$15m spent on drilling over past 5 years by TNG
- Substantial exploration upside
- Two key deposits:
  - Sandy Creek
  - Djibitgun

Production, exploration and development

# **EXPERIENCE**





## **EXPERIENCED MANAGEMENT TEAM**

Jim Wall	Bob Besley	Steve Lonergan	Stuart Mathews	Michael Hanlon
Executive Chairman	Non- Executive Director	Executive Director/Co. Sec.	Chief Operating Officer	General Manager, Mineral Hill
B Eng (UWA) Mr Wall has been Managing Director of Nicron Resources Limited, Executive Director of Aztec Mining Company Limited and Managing Director of Savage Resources Limited, during which time its market capitalisation on ASX increased by 40 times to over \$600 million. He is a fellow of the Australian Institute of Mining and Metallurgy and is the former Executive Chairman of CBH Resources Limited, retiring in March 2009. He is currently a non-executive director of Ferraus Limited, and has previously been a director of other listed companies, such as Emperor Mines Limited and BMA Gold Limited.	<ul> <li>BSc (Hons) (U. Adelaide)</li> <li>Mr Besley has more than 40 years International experience in the minerals industry.</li> <li>He spent 13 years with Unocal, seven of those as Manager of Minerals for Australia and the Pacific. Mr Besley was General Manager of Australimin Holdings Limited when that company developed a minerals sands project in eastern Australia and a gold mine in Western Australia.</li> <li>Mr Besley was formerly the Managing Director of CBH Resources Limited.</li> <li>Until recently he was the Deputy Chairman of the NSW Minerals Council. He is a member of the Australaaian Institute of Mining and Metallurgy.</li> </ul>	LLB (Hons), LLM. Mr Lonergan is a commercial lawyer based in Sydney with more than 30 years experience in the Australian and international mining industry. He has been General Counsel of Pancontinental Mining Group, a partner at Baker & McKenzie Sydney, General Counsel and Company Secretary of Savage Resources Limited and General Counsel and Company Secretary of CBH Resources Limited. Directorships of other listed companies in the last 3 years: Paradigm Metals Limited and Finders Resources Limited.	<ul> <li>MSc (Geology)</li> <li>Mr Mathews has 23 years of geology, mining, and project development experience both in</li> <li>Australia and internationally including project development through to production at the large Palmarejo Silver and Gold Mine in Mexico and the Cowal Gold Mine in NSW, Australia.</li> <li>Stuart Mathews was previously a Vice President at Coeur D'Alene Mines Corporation.</li> <li>His prior experience includes management roles at gold and base metals mines in Western Australia, New South Wales, Queensland and New Zealand.</li> </ul>	Mr Hanlon brings in excess of 20 years of senior management and technical experience in WA and NSW and recently was the resident manager at the Tritton Copper Mine for Straits Resources Limited. <b>Ed Newman</b> <b>Project Manager, Sorby Hills</b> Mr. Newman has over 33 years experience in the mining and exploration industry. He has held positions as chemist and manager of an analytical services laboratory as well as being involved in feasibility studies, design, construction and commissioning of several mining and processing operations in Australia and

Papua New Guinea.

**Kimberley Metals Ltd** 

# **RESOURCES AND RESERVES**

## **KIMBERLEY METALS RESOURCES**

#### Summary of Resource Tables on slides 37 to 41

						Grade		
Project	Category	Mt	Fe %	Cu %	Pb %	Zn %	Ag g/t	Au g/t
Mineral Hill	Indicated	3.2		1.4	1.8	0.7	49	1.2
Sorby Hills	Inferred/Indicated	17.7			4.4	0.7	53	
Manbarrum	Inferred/Indicated	32.4			0.35	1.27	9.2	
Constance Range	Inferred	296	53.1					

					Meta	l Content		
Project	Category	Mt	Fe (kt)	Cu (t)	Pb (t)	Zn (t)	Ag (oz)	Au (oz)
Mineral Hill	Indicated	3.2		44,385	59,015	22,715	5,076,129	125,516
Sorby Hills	Inferred/Indicated	17.7			778,800	123,900	30,261,290	
Manbarrum	Inferred/Indicated	32.4			113,400	411,480	9,615,484	
Constance Range	Inferred	296	157,176					



### MINERAL HILL MINE RESOURCES

#### **Parkers Hill Oxide Zone**

Category	Tonnes			Grade			Contained metal					
	(thousands)	Copper %	Lead %	Zinc	Silver g/t	Gold g/t	Copper (Kt)	Lead (Kt)	Zinc (KT)	Silver (oz)	Gold (oz)	
Indicated	900	0.7	3.7	0.4	67	0.05	5.9	33.6	3.5	1,925,957	1,447	
Inferred	200	0.4	0.9	0.1	19	0.01	0.8	1.7	0.1	122,880	64	
Total	1,100	0.6	3.3		61		6.7	35.3	3.7	2,048,837	1,511	

#### Parkers Hill Sulphide/Primary Zone

Category	Tonnes			Grade			Contained metal					
Category	(thousands)	Copper %	Lead %	Zinc %	Silver g/t	Gold g/t	Copper (Kt)	Lead (Kt)	Zinc (KT)	Silver (oz)	Gold (oz)	
Indicated	1,450	1.9	1.2	1.2	36	0.30	27.6	17.4	17.4	1,678,268	13,986	
Inferred	50	1.6	1.1	2.4	48	0.20	0.8	0.6	1.2	77,162	322	
Total	1,500	1.9	1.2	1.2	36	0	28.4	18.0	18.6	1,755,429	14,307	

#### **ESOZ (Eastern Southern Ore Zone)**

Category	Tonnes			Grade			Contained metal				
	(thousands)	Copper %	Lead %	Zinc	Silver g/t	Gold g/t	Copper (Kt)	Lead (Kt)	Zinc (KT)	Silver (oz)	Gold (oz)
Indicated	101	1.5	0.1	0.2	7	3.7	1.5	0.1	0.2	22,731	12,015
Inferred	214	2.1	0.1	0.1	8	5.1	4.5	0.2	0.2	55,042	35,089
Total	315	1.9	0.1	0.1	8	4.6	6.0	0.3	0.4	77,773	47,104

#### Pearse

Category	Tonnes	Gra	ade	Contained metal		
	(thousands)	Silverg/t	Gold g/t	Silver (oz)	Gold (oz)	
Indicated	226	84	6.7	611,430	48,769	
Inferred	71	67	5.7	153,803	13,085	
Total	298	80	6.5	765,232	61,853	



### **MINERAL HILL MINE RESERVES**

#### PARKERS HILL UNDERGROUND

Copper <b>R</b>	Copper Reserve: Probable Reserves (@ 1% Copper Cut-off Grade)										
Category	Tonnes	Conner %	7inc %	lead %	Kilvor a/t	Gold g/t	Contained	Contained	Contained	Contained	Contained Gold (oz)
Category	Tonnes	copper //	21110 /0		Shver g/t		Copper (T)	Zinc (T)	Lead (T)	Silver (oz)	Gold (oz)
Probable	493,600	2.17	1.07	0.85	29.4	0.43	10,711	5,282	4,196	466,566	6,824

Lead-Zinc-Low Copper Combined Zone: Probable Reserves (@ 3.5% Combined Lead-Zinc Cut-off Grade)											
Category	Tonnes	Copper %	Zinc %	Lead %	Silver g/t	Gold g/t	Contained Copper (T)	Contained Zinc (T)	Contained Lead (T)	Contained Silver (oz)	Contained Gold (oz)
Probable	343,000	1.27	1.89	1.91	49.2	0.13	4,356	6,483	6,551	542,563	1,434

#### **PEARSE PROJECT**

Open Cut l	Open Cut Reserves									
Category		Tonnes	Silver g/t	Gold g/t	Contained Silver (oz)	Contained Gold (oz)				
Probable	Primary	28,458	76	6.9	68,417	6,212				
	Oxide	18,244	14	4.4	8,102	2,546				
Sub Total		46,702	52	5.9	76,519	8,758				
Proven	Primary	152,489	91	7.3	444,709	35,674				
	Oxide	36,049	16	6.5	18,519	7,523				
Sub Total		188,538	77	7.2	463,228	43,198				
TOTAL		235,240	72	6.9	539,746	51,956				



#### **Total Resources**

Cut-off	Cotogony	Tonnes		Grade	
	Category	(millions)	Silver g/t	Lead %	Zinc %
2.5% Lead	Inferred/Indicated	17.7	53	4.4	0.7
1.0% Lead	Inferred	28.4	43	3.4	0.6



### **MANBARRUM RESOURCES**

#### Sandy Creek Primary Zone

51-101-200-00000000	Tonnes		Grade	12 P
Category	(millions)	Silver g/t	Lead %	Zinc %
Indicated	12.9	4.8	0.6	2.1
Inferred	10.0	4.4	0.3	1.5
Total	22.9	4.6	0.5	1.8

#### Djibitgan Oxide Zone

Category	Tonnes	Grade					
	(millions)	Silver g/t	Lead %	Zinc %			
Inferred	9.5	20.2	12	<u>2</u> 0			



### **CONSTANCE RANGE IRON ORE DEPOSIT**

#### **Constance Range Iron Ore Deposit**

		Tonnes	Grade						
	Category	(millions)	Iron %	Silica %	Phosphorus %	Aluminium Oxide %	LOI %		
Within National									
Park	Inferred	59.59	52.7	10.58	0.02	1.64	11.28		
Within Buffer Zone	Inferred	131.95	53.1	10.51	0.02	2.09	11.11		
Outside Buffer Zone	Inferred	104.41	53.4	10.09	0.02	1.02	11.23		
Total	Inferred	295.96	53.1	10.38	0.02	1.63	11.19		
Total (excluding									
National Park)	Inferred	236.37	53.2	10.33	0.02	1.62	11.16		

The information herein that relates to Exploration Results and Mineral Resources has been compiled by Mr Stuart Mathews, MSc (Hons), who is a Member of the Australasian Institute of Mining and Metallurgy and is a full time employee of the Company. He has sufficient experience that is relevant to the styles of mineralisation and types of deposit under consideration and to the activity that is being undertaking to qualify as a Competent Persons as defined in the 2004 edition of the Australasian Code for Reporting of Exploration Results, Minerals Resources and Ore Reserves. Mr Mathews consents to the inclusion in the Presentation of the matters based on his information in the form and context that the information appears.

Information relating to Resource Estimates is based on prior reports prepared by Mr Colin Lutherborrow (an employee of Zilloc Pty Ltd and a Member of the Australasian Institute of Mining and Metallurgy) in relation to the Mineral Hill, Sorby Hills, Manbarrum and Constance Range Projects. Each of these persons has sufficient experience that is relevant to the styles of mineralisation and types of deposit under consideration and to the activity that is being undertaking to qualify as Competent Persons as defined in the 2004 edition of the Australasian Code for Reporting of Exploration Results, Minerals Resources and Ore Reserves. Further, each of these persons consents to the inclusion in the Presentation of the matters based on his information in the form and context that the information appears.