

Fast Tracking Gold Production
On target to become a +150,000ozpa gold producer
Wilson HTM Rapid Insights Conference, Sydney
12 November 2012



This presentation contains "forward-looking statements". Such forward-looking statements include, without limitation:

- estimates of future earnings, the sensitivity of earnings to metal prices and foreign exchange rate movements;
- estimates of future metal production and sales;
- estimates of future cash flows, the sensitivity of cash flows to metals prices and foreign exchange rate movements;
- statements regarding future debt repayments;
- estimates of future capital expenditures;
- estimates of reserves and statements regarding future exploration results and the replacement of reserves; and
- statements regarding modifications to the Company's hedge position.

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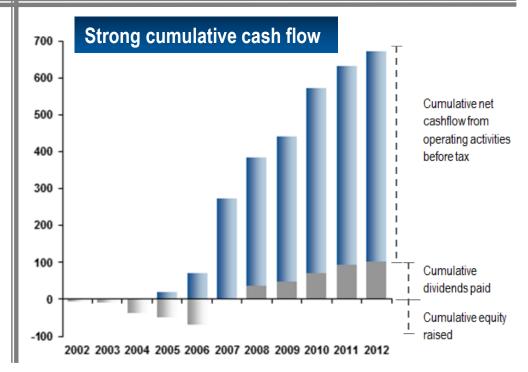






Significant Resource Base								
Platinum + Palladium 2.8M oz								
Gold	2.2M oz							
Nickel	193kt							
Copper	42kt							
Cobalt	4kt							

Market Cap and Enterprise Value Pro forma							
S&P Index	S&P/ASX300						
Shares on issue	255.7M						
Share Price	\$0.60 (9 November 2012)						
Market Capitalisation	~A\$154M (31 October 2012)						
Cash	~A\$38M (30 September 2012)						
Hedge Book Value	~A\$3M (30 September 2012)						
Enterprise Value	~A\$113M						





**Finance and Accounting** 

**Savannah Operations** 

**Lanfranchi Operations** 

Gold

**PGMs** 

#### **Our Board**



**Brian Phillips** Non Exec. Chairman Over 50 years extensive mining industry experience.



**Peter Harold Managing Director** Over 26 years corporate experience in the minerals industry.



**Christopher Langdon** Non Exec. Director Over 25 years of corporate finance and management experience.



John Rowe Non Exec. Director Over 40 years experience as a geologist with extensive mining expertise.

## **Our Senior Management Team**



Trevor Eton **CFO / Company Secretary** Over 25 years corporate experience in the minerals industry.

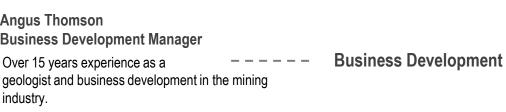


**Christopher Williams General Manager Project Development & Technical Services** Over 30 years experience as a mining engineer in the mining industry.











**Exploration Manager** Over 30 years experience in the Australian mining and exploration industry.

**Exploration, Resources, Geology** 



## Multi commodity

- Two operating nickel sulphide mines (18-19ktpa Ni) with copper and cobalt credits
- Two gold projects at advanced feasibility stage
- Two advanced PGMs projects

### Countries

- Australia
- Canada
- Norway

Diversification in commodities and countries

#### Dividends

 \$102M in fully franked dividends paid out to-date

#### Well funded

\$38M cash on hand at
 30 September 2012, no bank debt

## Leveraged to

Nickel price upswing, exploration success, news flow on development projects, A\$ depreciation

## Gold & PGM production

- ~150,000ozpa¹ gold within three years
- ~150,000ozpa² Pt+Pd within five years

## Exploration upside

Near mine and greenfields

Growth pipeline

## Operational excellence

Value created

shareholders

for our

## Experienced team

- Exploration
- Project financing
- Mine development
- Operating

### Safety

- Continuous improvement in safety performance and outcomes
- Technical competencies
- Operating efficiencies

 Based on Magma Metals Preliminary Economic Assessment for Thunder Bay North Project (Feb 2011) and Platinum Australia 2012 BFS Review for Panton Project (March 2012)

Based on in-house Gidgee Scoping Study (refer ASX announcement 7 August 2012) and work on Mt Henry Project by Kalgoorlie-Boulder Resources (ASX: KAL) (refer ASX announcement 17 April 2008)



2001 - Core Farm & first drill rig

**2003 -** Process Plant construction

**Current** – Mining from u/g at +700ktpa



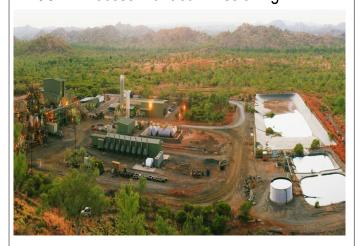




2002 - Resource drilling



**2004 -** Process Plant commissioning



### **History**

- 1973 Discovered by Anglo American
- 2001 Acquired by Sally Malay Mining (Panoramic) for \$1.7 million
- 2004 Built and commissioned process plant, open pit mine and associated infrastructure for a cost of \$65 million
- 2008 Extended mine life with addition of Lower Zone Reserve
- **2010** Extended offtake agreement with Jinchuan to 2020
- 2012 Commenced drilling below the 900 Fault

## **Development expertise - Lanfranchi**

vision commitment results



**2004 -** Purchased from Western Mining Corp

2006 - Commenced mining activities at Winner

**2011 -** Built and commissioned the Lanfranchi Village







**2005 -** Re-commenced mining



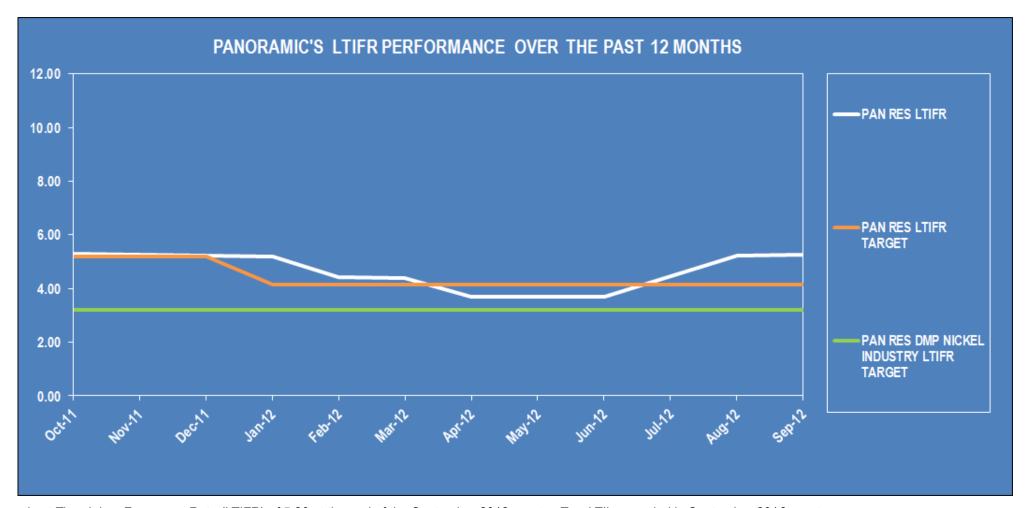
**2009 -** Renewed offtake with BHP Nickel West to 2019



#### **History**

- 2004 Purchased from WMC
- 2005 Commenced mining
- 2006 Commenced mining activities at Winner
- 2007 Deacon Orebody discovery
- 2009 Construction of Deacon ventilation shaft
- 2009 Offtake contract extended to 2019
- 2011 Village built and commissioned
- 2012 Mining from underground at ~500ktpa



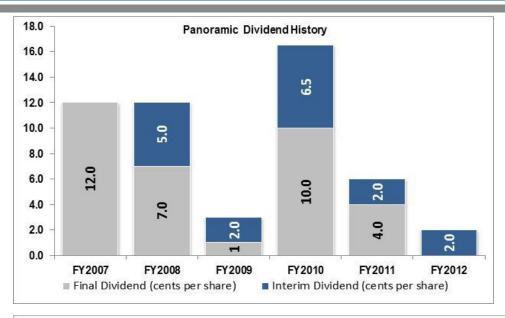


Lost Time Injury Frequency Rate (LTIFR) of 5.26 at the end of the September 2012 quarter. Two LTI's recorded in September 2012 quarter:

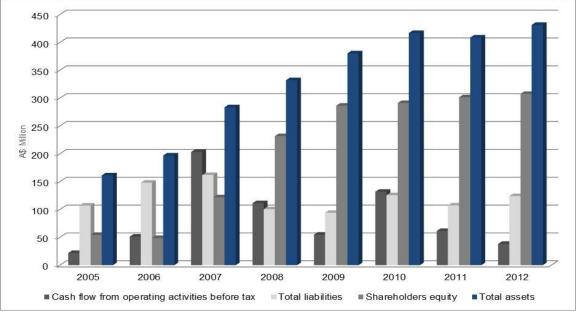
- 1 Back injury sustained after slipping on a grate
- 2 Mild shoulder injury that became an LTI after later surgery

## **Value Created for Shareholders**





# \$102M PAID IN FULLY FRANKED DIVIDENDS TO-DATE



# SHAREHOLDER EQUITY & TOTAL ASSETS CONTINUE TO GROW



#### Savannah

 Financed, built and commissioned the open pit and underground mines, 1Mtpa concentrator

### Lanfranchi

Purchased and commenced underground mining

## Resource & Reserves

 Added significant nickel resource and reserves through exploration success (Deacon 70kt Ni, Savannah Lower Zone)

### **Nickel Production**

 Grown from 6kt Ni in 2005 to a record of 19,791t Ni in FY12

## **Aggregate Production**

Over 110kt Ni contained since 2005

## Dividends

 Paid \$102 million in fully franked dividends (51.5 cents per share) to shareholders to end FY12

### **Diversification**

 Added 2.2Moz gold and 2.8Moz PGMs to existing resource base



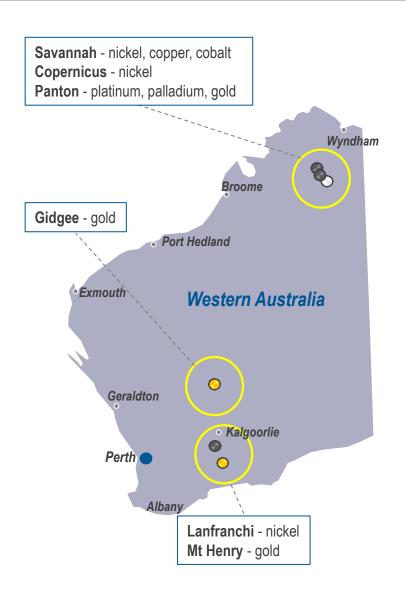


- Safety FY12 LTIFR down from 8.21 to 3.69
- Cash Flow \$38 million free cash flow FY12
- Group Nickel Costs A\$6.01/lb FY12 avg (incl. royalties)
- Production 19,791t Ni a record
- Savannah Extension Exploration 9.7m at 2.55% Ni below the 900 Fault
- Lanfranchi Extension Exploration mineralisation defined below existing resources
- Gidgee Resource upgrade increased to 1.16Moz Au
- Gidgee Scoping Study Released 87,000oz pa Au over initial 7 years
- Mt Henry Acquired (70%) approx. 1.0Moz Au in Resource
- Panton Acquired 1.0Moz Pt and 1.1Moz Pd in Resource
- Thunder Bay North Acquired 377kt Pt and 355kt Pd in Resource



## Panoramic's project locations



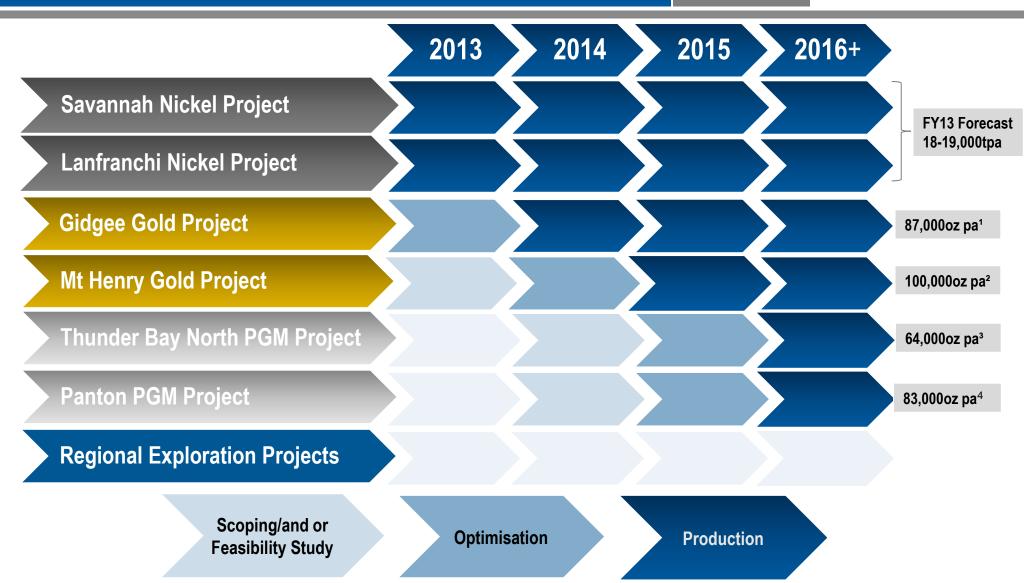




## **Building scale through diversification**

vision commitment results





<sup>.</sup> Based on in-house Gidgee Scoping Study (refer ASX announcement 7 August 2012)

Refer to Kalgoorlie-Boulder Resources (ASX: KAL) ASX announcement dated 17 April 2008

<sup>3.</sup> Based on Magma Metals Preliminary Economic Assessment (Feb 2011) for combined Pt+Pd

<sup>.</sup> Based on Platinum Australia 2012 BFS Review (March 2012) for combined Pt+Pd+Au



## **Gidgee Gold Project**



Product	Gold
Mining	Open pit and underground
Resources*	11.8Mt @ 3.07g/t for 1.16Moz Au
Processing*	1.05Mtpa
Production* Start Date	80-90,000oz Au pa Second half 2014
Initial Life*	Seven years

\*Based on the August 2012 Gidgee Scoping Study
\*See Appendix 3 for detailed resource tables

## Mt Henry Gold Project (70% Interest)



Product	Gold
Mining	Open pit
Resources	26.4Mt @ 1.72g/t for 1.46Moz of Au
Processing*	1.8Mtpa
Production* Start Date	100,000oz Au pa (PAN 70%) Mid 2015
Initial Life*	Seven years

<sup>\*</sup>Based on Study work undertaken by previous owners

- See ASX:KAL release dated 17 April 2008



## **Key Points**

- Average Grade 3.15g/t (o/p 2.6g/t, u/g 6g/t)
- Average Annual Production 87,000oz
- Initial Production 606,000oz
- Capital Cost ~A\$127M (mining development, processing & associated infrastructure)
- Initial Life seven years
- Average Cash Costs A\$870/oz
- Project Economics cumulative pre-tax free cash flows of:
  - Base Case A\$213M (A\$1,500/oz)
  - Alternative Case A\$516M (A\$2,000/oz)
- Moving into gold production
   targeting 2<sup>nd</sup> half 2014
- Upside exploration ongoing



Gidgee Open-Pits – Aerial View



## **Upgraded gold resource**

 Increase in total Resources to 11.8Mt at 3.07g/t Au for 1.16Moz\* Au

## **Acquisition of Wilsons**

- 325,400koz Au in Resource at Wilsons
- Study by previous owners in 2008 indicated potential for an underground operation
- 14km from the existing infrastructure

## **Recent Resource Upgrades\***

#### **Howards**

3.5Mt at 1.61g/t Au for **182,500oz Au** 

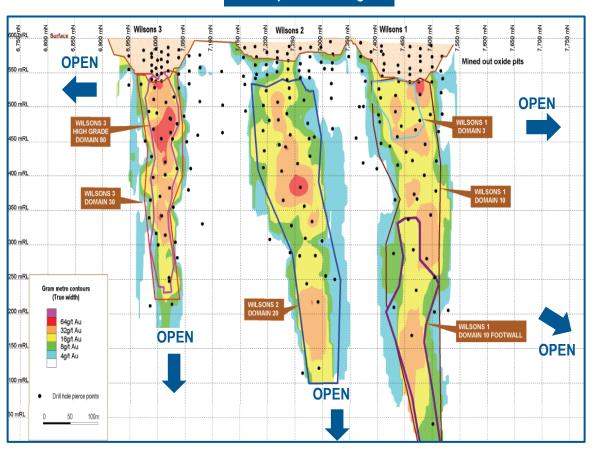
### **Heron South**

1.1Mt at 2.20g/t Au for **80,300oz Au** 

#### **Swan Bitter**

4.1Mt at 3.01g/t Au for 392,800oz Au

## Wilsons Mineralisation and Exploration Targets





#### **Overview**

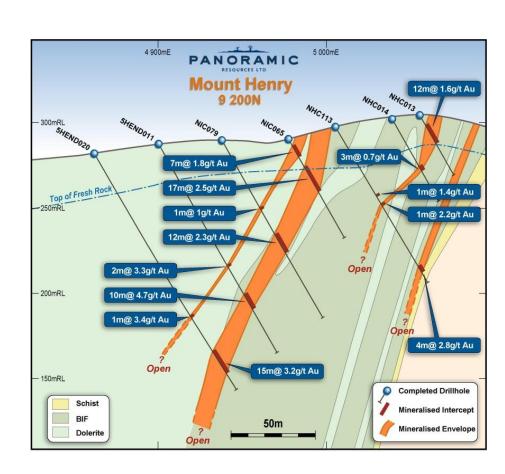
- Location Goldfields-Esperance region of Western Australia, 726kms east of Perth
- Resources 26.4Mt @ 1.72g/t for 1.46Moz of Au
- Equity Interest -1.02Moz Au
- Previous Work Scoping Studies undertaken on the Mt Henry, Selene and North Scotia orebodies by the previous owners and indicate robust economics

## Work in Progress

Bankable Feasibility Study

#### **Investment Rationale**

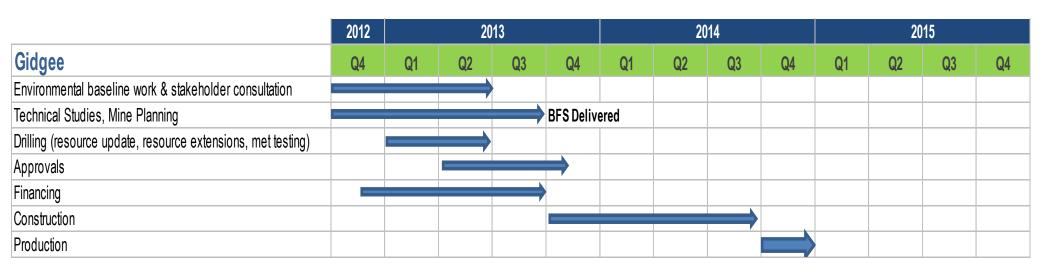
- Adds significant resource base with exploration upside
- Potential production profile of 100,000oz pa for seven years\*
- Continues to advance Panoramic's stated diversification strategy and aim of building a significant gold business

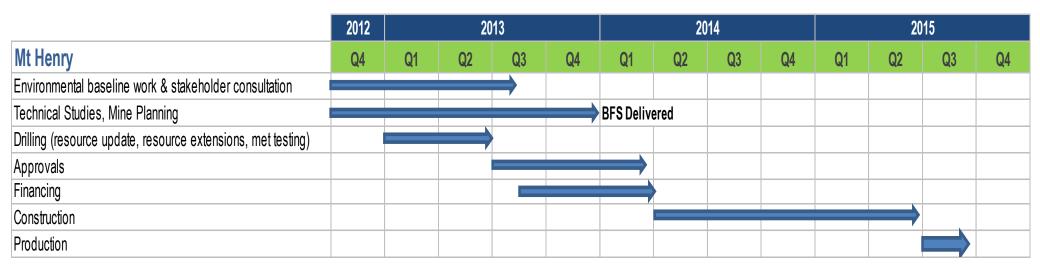


## **Gidgee & Mt Henry Development Timelines**

vision commitment results







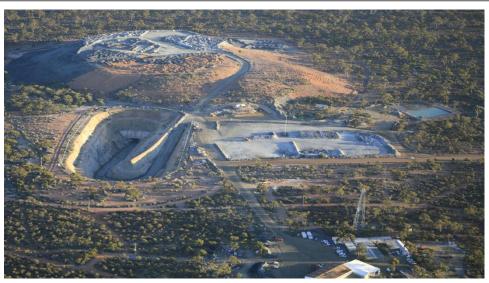


## Savannah Nickel Project



Products	Nickel, Copper, Cobalt in concentrate
Mining	Open stoping with paste fill
Processing	1.0Mtpa, SAG mill, flotation and filtering
Production	7-8,000t Ni pa, 4-5,000t Cu pa & 350-400t Co pa
Life	Ore Reserves to FY2017
Offtake	The Jinchuan Group until 2020
Workforce	~270 employees and contractors
Copernicus	~78% interest in the satellite Copernicus open pit

## Lanfranchi Nickel Project



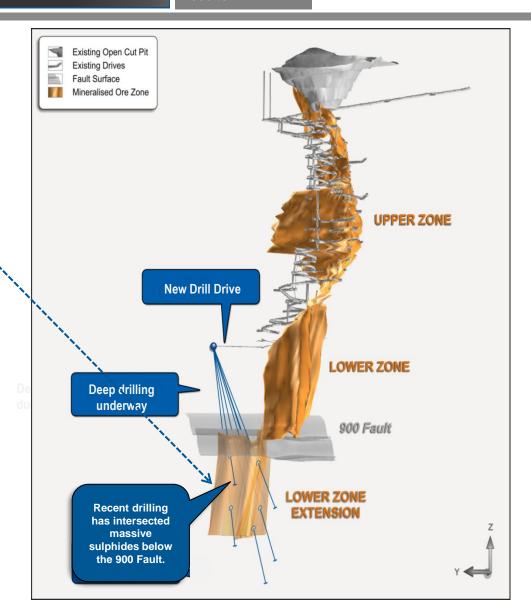
Products	Nickel and Copper in ore
Mining	Open stoping with paste fill
Processing	BHP Billiton Nickel West Kambalda Concentrator
Production	10-12,000t Ni & 1,000t Cu pa
Life	Ore Reserves to FY2016
Offtake	BHP Billiton Nickel West until 2019
Workforce	~250 employees and contractors



## **Lower Zone Extension drilling**

- First results
  - KUD1500 9.70m @ 2.55% Ni, 0.52% Cu, 0.16% Co, including 8.00m @ 2.92% Ni, 0.74% Cu, 0.19% Co
  - **KUD1504 8.46m @ 2.20% Ni,** 0.51% Cu, 0.12% Co



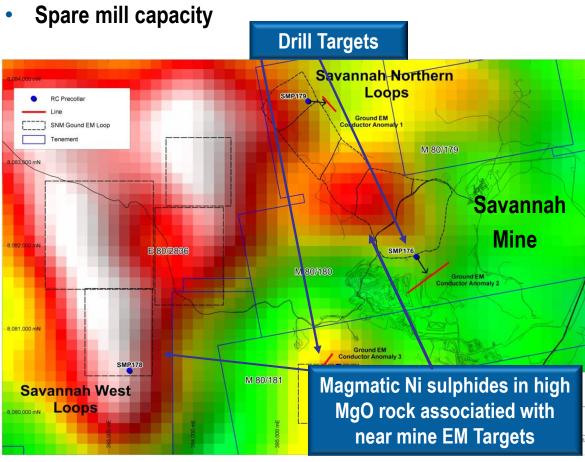


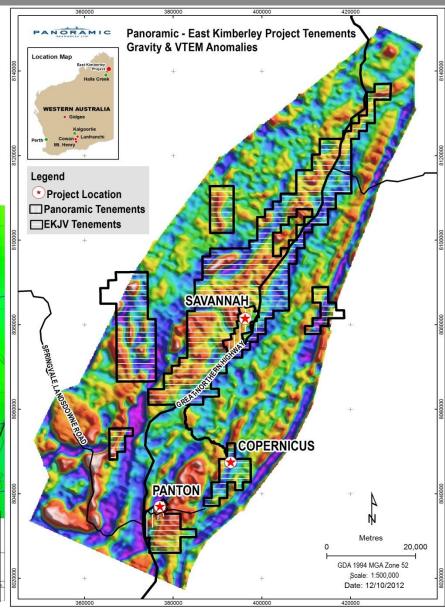
## Savannah Regional – Upside

vision commitment results



- Large exploration package ~1,000km²
- Under-explored
- Multiple targets with similar geophysical signatures to Savannah







Production to date >150,000t Ni

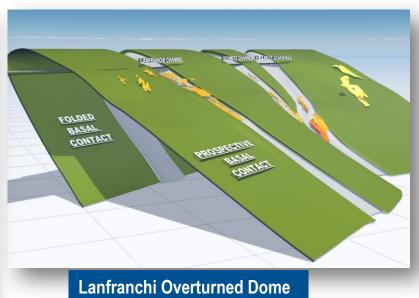
Exploration focus on down-plunge & regional

Targeting >10 year Mine Life

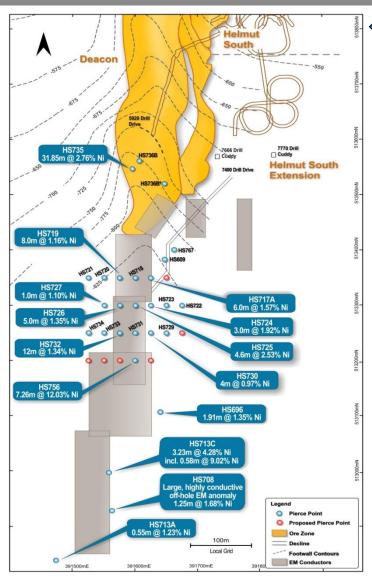


#### **Three Parallel Mineralised Channels at Lanfranchi**











## Deacon/Helmut Channel Extension

 Significant EM conductors down-plunge

**HS735** 31.85m @ 2.76%

**HS719** 8.0m @ 1.16%

**HS732** 12m @ 1.34%

**HS756** 7.26m @ 12.03%

**HS692** 24.0m @ 1.42% Ni

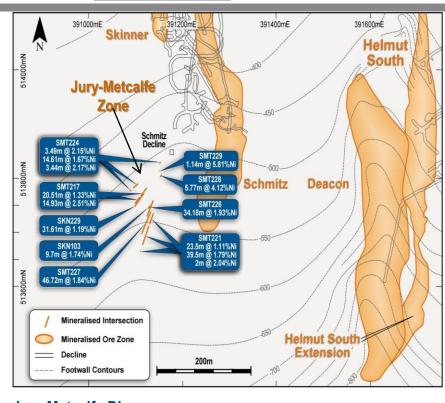
incl. 15.7m @ 1.55% Ni

HS713C 3.23m @ 4.28% Ni

incl. 0.58m @ 9.02% Ni

**HS708** 1.25m @ 1.68% Ni

large, highly conductive offhole EM anomaly



#### **Jury-Metcalfe Discovery**

Six holes intersected disseminated & matrix style Ni sulphides

#### Best results include:

**SMT221** 39.5m @ 1.79% Ni

**SMT226** 34.2m @ 1.93% Ni

**SMT227** 46.7m @ 1.84% Ni

#### **Next steps:**

- Planning further drilling
- Drill drive extension

## Lanfranchi - Upside



## **Lanfranchi Orebody Extension**

Orebody continues down-plunge

**LAN260** 10.18m at 3.84%

**LAN267** 7.15m at 3.26%

**LAN282** 4.39m at 5.74%

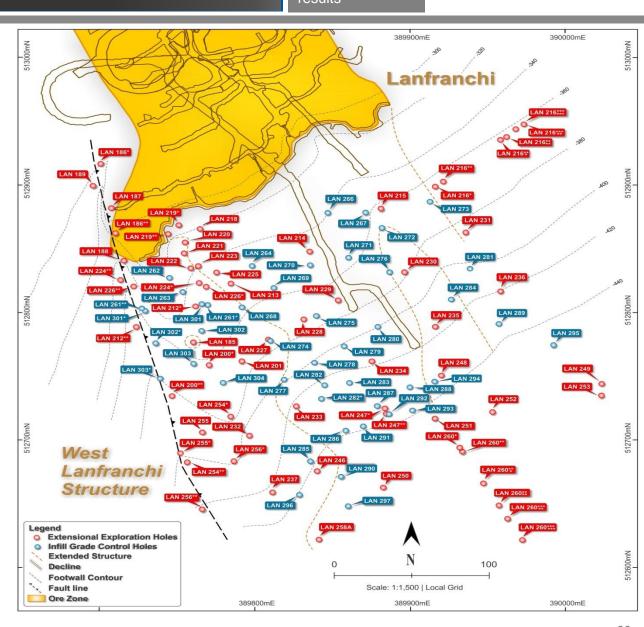
**LAN284** 2.17m at 7.02%

**LAN289** 5.15m @ 3.90%

**LAN271** 2.91m @ 5.32%

**LAN273** 5.28m @ 4.76%

**LAN278** 4.05m @ 5.78%





## **Thunder Bay North PGM Project**



Products	Platinum, Palladium
Mining*	Open cut and underground
Resources*	10.4Mt @ 1.13g/t Pt and 1.07g/t Pd
Processing*	1.5Mtpa
Production*	~65,000oz pa Pt+Pd
Start Date	2016+
Initial Life*	Eight years

## **Panton PGM Project**



Panton Aerial View.

Products	Platinum, Palladium, Gold
Mining*	Open cut and underground
Resources*	1.0M oz Pt and 1.1M oz Pd
Processing*	600,000tpa
Production*	~83,000oz pa Pt+Pd+Au
Start Date	2016+
Initial Life*	Ten years

<sup>\*</sup>Based on Platinum Australia (ASX: PLA) March 2012 BFS Review

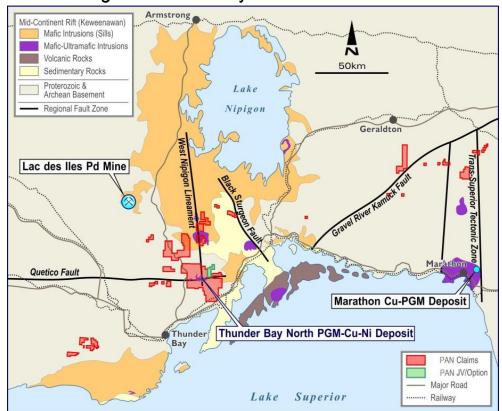


#### **Overview**

- Large regional ground position 1,100km<sup>2</sup>
- Excellent infrastructure road, rail, power within 20km
- Exploration Potential
  - resource open at depth and to the south east
  - right geology for large Ni-Cu-PGM deposits analogous to the giant Norilsk camp in Russia
  - emerging province with Rio Tinto actively exploring in the area

## **Progress Since 2011 Preliminary Economic Assessment\***

- Resource Base grown by 71koz Pt-Eq
- Engineering Studies undertaken to reduce CAPEX & OPEX
- Various Metallurgy options considered
- Underground feasibility considered

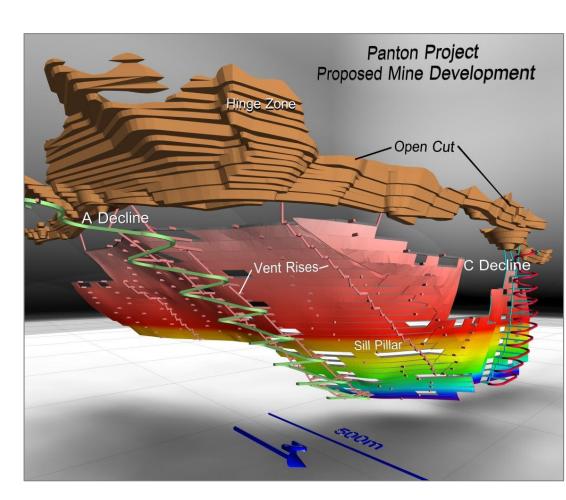


<sup>\*</sup> Refer Magma Metals (ASX: MMW) ASX announcement dated 23 February 2012



#### **Overview**

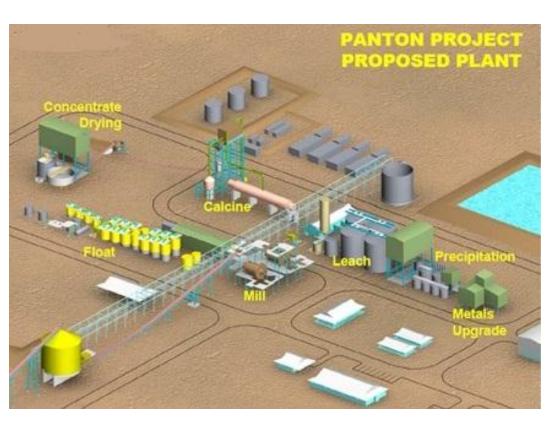
- Location 60km south of Savannah Mine on granted mining leases
- Significant Resource Panton is one of Australia's largest, highest grade undeveloped PGMs deposit
- Proposed Processing Route standard crush, grind and float to produce a concentrate which is beneficiated by the 'Panton Process' (a patented calcine leach metals recovery process)
- Previous Work
  - 2003 Bankable Feasibility Study
  - 2012 updated BFS (2012 BFS Review)
  - Panoramic has previously undertaken mining and metallurgy trials on Panton ore





## **Key Parameters**

- Initial Production 600,000tpa
- Average Annual Production 83,000oz 3E pa
- Initial Life Ten years
- Average Cash Costs US\$830/oz on the Base Case and US\$790/oz on the Alternate Case
- Project Economics pre-tax NPV (10% discount rate)
  - US\$15 million on the Base Case; and
  - US\$41 million on the Alternative Case;
- Internal Rate of Return:
  - Base Case 13%
  - Alternative Case 18%
- Upside Optimisation and redesign of the open pit and underground using higher metal prices and updated operating costs has the potential to significantly increase the size of the open pit and the underground resources further enhancing project economics





- Significant and diverse exploration portfolio
- Panoramic budget FY2013 \$15M

#### Lake Grace

- 10,500km² exploration package with historic Gold production
- Historic drilling has identified three key zones for follow up

#### **Northern Dome**

 Exploration model north of Lanfranchi testing "overturned dome" theory

#### **Gidgee Regional**

- Large tenement package of 1,200km<sup>2</sup>
- Gold exploration away from known Resources and historical production areas
- · Exploration team on site

#### **Laura River**

- Historic drilling indicates precious and base metal potential
- A number of Gold deposits exist along strike

#### Cowan

- Large exploration holding south of Lanfranchi
- Geophysical surveys indicate a number of sulphide targets for followup

#### Laverton

- JV with Poseidon Nickel
- Ni-Cu-PGM targets identified



#### Savannah Regional

- Recent geophysical surveys indicate a number of targets for follow up
- Opportunity to utilise spare capacity at Savannah Mill

#### Roe

- Prospective for Gold, nickel and copper
- 900m long discontinuity with Ni-Cu mineralisation identified

#### Mt Jewel

- 20km Komatiite sequence identified
- Along strike from Silver Swan and Black Swan deposits

#### **East Kimberley JV**

- Large land holding
  1,000km² around Savannah
  Nickel Mine
- Base metal targets identified with similar geophysical signatures to Savannah

#### INTERNATIONAL

## Thunder Bay Regional

 Exploration around existing PGM Resources

#### Scandinavia JV

- JV with Drake Resources
- Base Metal prospects in Norway and Sweden



 The Company is actively looking at various cost savings and productivity initiatives to reduce costs across the business by \$10 to \$15 million per annum

### A Collective Team Effort



Cost cutting measures								
Power (diesel) consumption	Reduce							
Equipment damage	Minimise							
Contractors and consultants	Reduce							
Exploration expenditure	Review and defer where possible							
Corporate expenses	Targeting a reduction in travel, legal costs and other corporate expenditure							
Suppliers	Seeking cost reductions							
TOTAL	\$10 - \$15 million							



## 12 month plan

## **Safety**

- Improve our safety performance
- Maintain focus on safety to ensure all staff return "safely home every day"

## **Gold Projects**

- Complete Feasibility at Gidgee, finance and commence development
- Complete BFS at Mt Henry

## **Nickel Operations**

- Implement cost savings and productivity initiatives
- Grow existing resource and reserve base to extend the mine life of our operations

## **PGMs**

- Thunder Bay North continue optimisation studies, settle on preferred flow sheet, continue exploration
- Panton review BFS reports, identify synergies with Savannah

## Corporate

- Reduce costs
- Finance Gidgee

## **Exploration**

- · Resource drilling at Gidgee
- Savannah Deeps
- · Lanfranchi channel extensions

## **Capital Growth**

 Nickel price recovery, market recognition as our diversification strategy is implemented through the advancement of our gold and PGM assets







**ASX: PAN** 

www.panoramicresources.com

#### **Mission Statement**

We strive to achieve excellence in all aspects of our business to provide long term capital growth and dividend return to our shareholders, a safe and rewarding work environment for our employees, and opportunities and benefits to the people in the communities we operate in.

# Appendix 1: Panoramic - Nickel Resources (Ni,Cu,Co)

vision commitment results



#### Savannah, Copernicus, Lanfranchi Resources Table

Descuires	Coultry	Model	Date of	Meası	ured	Indica	ated	Infe	erred	Total		Metal Tannas
Resource	Equity	Metal	Resource	Tonnes	Ni (%)	Tonnes	Ni (%)	Tonnes	Ni (%)	Tonnes	Ni (%)	Metal Tonnes
Savannah Project	100%											
		Nickel	Jul-12	1,064,000	1.57	3,558,000	1.49	-	-	4,622,000	1.51	69,700
		Copper			0.73		0.81	<u>'</u>	-		0.79	36,600
		Cobalt			0.08	'	0.08	<u>'</u>	-	<u>'</u>	0.08	3,700
Copernicus	~78%											
		Nickel	Jul-10	307,000	1.08	316,000	1.38	18,000	1.01	641,000	1.23	7,900
		Copper		,	0.66	·	0.99	<u>'</u>	0.70		0.82	5,300
		Cobalt			0.04		0.05		0.03		0.04	300
Lanfranchi Project	100%	Nickel										
Cruikshank			Apr-11	-	-	2,018,000	1.42	611,000	0.79	2,629,000	1.28	33,600
Deacon			Jul-12	854,000	2.70	388,000	2.73	55,000	2.48	1,297,000	2.70	35,000
Gigantus			Jul-07	-	-	-	-	652,000	1.63	652,000	1.63	10,600
Helmut South			Jul-12	45,000	2.95	- '	-	- '	-	45,000	2.95	1,300
Helmut South Ext			Jun-12	35,000	4.65	125,000	3.68	15,000	1.77	175,000	3.71	6,500
John			Jul-07	-	-	-	-	291,000	1.42	291,000	1.42	4,100
Lanfranchi			Jul-12	17,000	6.08	62,000	5.38	7,000	5.44	86,000	5.52	4,700
Martin			Jul-07	-	-	71,000	3.10	7,000	2.48	79,000	3.04	2,400
McComish			Jul-07	-	-	-	-	992,000	1.49	992,000	1.49	14,800
Schmitz			Jul-12	7,000	7.07	41,000	3.85	5,000	4.31	52,000	4.30	2,300
Winner			Jul-11	-	-	14,000	4.40	- '	-	14,000	4.40	600
Total (Equity)		Nickel										193,500
		Copper										41,900
		Cobalt										4,000

## Appendix 2: Panoramic - Nickel Reserves (Ni,Cu,Co)

vision commitment results



#### Savannah, Copernicus, Lanfranchi Reserves Table

D	Forestee	Madal	Date of	Prov	/en	Probable		Total		Metal
Reserve	Equity	Metal	Reserve	Tonnes	(%)	Tonnes	(%)	Tonnes	(%)	Tonnes
Savannah Project										
Upper Zone	100%	Nickel	Jul-12	-	-	862,000	1.34	862,000	1.34	11,600
		Copper			-		0.63		0.63	5,400
		Cobalt			-		0.07		0.07	600
Lower Zone	100%	Nickel	Jul-12	-	-	2,608,000	1.32	2,608,000	1.32	34,400
		Copper			-		0.68		0.68	17,800
		Cobalt			-		0.06		0.06	1,700
Copernicus Open Pit	~78%									
		Nickel	Jul-12	-	-	288,000	1.03	288,000	1.03	3,000
		Copper			-		0.63		0.63	1,800
		Cobalt			-		0.04		0.04	100
Lanfranchi Project	100%	Nickel								
Deacon			Jul-12	-	-	1,375,000	2.01	1,375,000	2.01	27,600
Helmut South			Jul-12	-	-	48,000	2.24	48,000	2.24	1,100
Lanfranchi			Jul-12	-	-	43,000	3.08	43,000	3.08	1,300
Schmitz			Jul-12	-	-	21,000	3.04	21,000	3.04	600
Helmut Sth Ext			Jul-12	-	-	233,000	2.30	233,000	2.30	5,300
Total (Equity)		Nickel								85,000
		Copper								25,100
		Cobalt								2,400

#### **Qualifying Statement and Notes**

- Savannah Project Resource cutoff grade at 0.50% Ni Copernicus Project Resource cutoff grade at 0.50% Ni Savannah Project Reserve cutoff grade is 0.98% Ni Copernicus Project Reserve cutoff grade is 0.50% Ni
- Lanfranchi Project Resource cutoff grades at 1.00% Ni Lanfranchi Project Reserve cutoff grade is 1.00% Ni except the Deacon Orebody longhole stopes which are 0.80% Ni. All resources are inclusive of reserves. Individual project resources and reserves are stated on an equity basis.

The information in this report that relates to Mineral Resources is based on information compiled by or reviewed by Paul Hetherington (MAusIMM) for the Savannah Project Resource and John Hicks (MAusIMM) for the Lanfranchi Project and Copernicus Project Resources. The aforementioned are full-time employees of Panoramic Resources Limited. The aforementioned have sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2004 Edition of the Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. The aforementioned consents to the inclusion in the report of the matters based on their information in the form and context in which it appears. Information in this report relating to Ore Reserves has been completed by or reviewed by Rob Thorburn (MAusIMM) for the Lanfranchi Project, Lilong Chen (MAusIMM) for the Savannah Project and Jonathon Bayley (MAusIMM) for the Copernicus project. The aforementioned are full-time employees of Panoramic Resources Limited. The aforementioned have sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2004 Edition of the Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. The aforementioned consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.



## Panoramic – Gold Project(s) Resources (Au)

D	Facility	Metal	Date of	Meas	ured	Indicated		Inferred		Total		Matal (Av. an)
Resource	Equity	Metal	Resource	Tonnes	Au (g/t)	Tonnes	Au (g/t)	Tonnes	Au (g/t)	Tonnes	Au (g/t)	Metal (Au oz)
Gidgee Project	100%	Gold										
Swan Bitter Open Pit			Jun-12	-	-	3,399,000	2.40	327,000	3.51	3,726,000	2.49	298,600
Heron South Open Pit			Oct-12	-	-	1,000,000	2.31	136,000	1.41	1,136,000	2.20	80,300
How ards Open Pit			Oct-12	-	-	2,557,000	1.43	975,000	2.08	3,532,000	1.61	182,500
Specimen Well Open Pit			Jun-12	-	-	289,000	2.06	72,000	1.79	361,000	2.00	23,200
Toedter Open Pit			Jun-12	-	-	-	-	661,000	1.62	661,000	1.62	34,400
Eagles Peak Open Pit			Mar-06	-	-	13,000	3.46	-	-	13,000	3.46	1,400
Orion Open Pit			Mar-06	-	-	22,000	3.04	-	-	22,000	3.04	2,200
Deep South Open Pit			Mar-06	-	-	20,000	3.02	-	-	20,000	3.02	1,900
Swan Bitter Underground			Jun-12	-	-	207,000	8.71	125,000	9.02	332,000	8.83	94,200
Swift Underground			Jun-12	-	-	-	-	72,000	9.23	72,000	9.23	21,400
Omega Underground			Mar-06	-	-	31,000	9.20	-	-	31,000	9.20	9,200
Kingfisher Underground			Mar-06	-	-	390,000	6.80	-	-	390,000	6.80	85,300
Wilsons Underground			Apr-08	-	-	921,000	7.25	535,000	6.42	1,457,000	6.95	325,400
Mt Henry Project	70%	Gold										
Selene			Feb-08	-	-	8,243,000	1.59	2,183,000	1.44	10,426,000	1.56	522,500
Mt Henry			Sep-09	-	-	4,112,000	1.93	3,569,000	1.76	7,680,000	1.85	457,100
North Scotia			Feb-09	-	-	150,000	5.20	241,000	2.17	391,000	3.33	42,000
Total (Equity)		Gold										2,181,700

# Appendix 3: Panoramic - Gold Project(s) Resources (Au)

vision commitment results



#### **Gidgee Project**

• Swan Bitter Open Pit Resource cutoff grade is 0.7 g/t • Eagles Peak Resource cutoff grade is 1.2 g/t • Orion Resource cutoff grade is 1.3 g/t • Deep South Resource cutoff grade is 1.2 g/t • Swan Bitter Underground Resource cutoff grade is 4.0 g/t for Indicated Resources and 5.0 g/t for Inferred Resources • Swift Underground Resource cutoff grade is 5.0 g/t • Omega Underground Resource cutoff grade is 3.0 g/t. Individual project resources and reserves are stated on an equity basis.

The information in this report that relates to the Swan Bitter Open Pit, Eagles Peak, Orion, Deep South, Swan Bitter Underground, Swift Underground, Omega, and Kingfisher Mineral Resources is based on information compiled by or reviewed by Dr Spero Carras (FAusIMM). Dr Carras is the Executive Director of Carras Mining Pty Ltd and was acting as a consultant to Legend Mining Ltd in 2006 and Panoramic Resources Ltd in 2012. Dr Carras has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2004 Edition of the Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Dr Carras consents to the inclusion in the presentation of the matters based on their information in the form and context in which it appears.

• Heron South Resource cutoff grade is 0.5 g/t • Howards Resource cutoff grade is 0.5 g/t • Specimen Well Resource cutoff grade is 0.5 g/t • Toedter Resource cutoff grade is 0.5 g/t. Individual project resources and reserves are stated on an equity basis

The information in this report that relates to the Heron South, Howards, Specimen Well, and Toedter Mineral Resources is based on information compiled by or reviewed by John Hicks (MAusIMM). John Hicks is a full time employee of Panoramic Resources Ltd. John Hicks has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2004 Edition of the Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. John Hicks consents to the inclusion in the presentation of the matters based on their information in the form and context in which it appears.

• Wilsons Resource cutoff grade is 4.5 g/t. Individual project resources and reserves are stated on an equity basis

The information in this report that relates to the Wilsons Mineral Resource is based on information compiled by or reviewed by Andrew Thomson (MAusIMM). Andrew Thomson was a full-time employee of Apex Mining NL in 2009 and is currently a full-time employee of Corazon Mining Ltd. Andrew Thomson has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2004 Edition of the Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Andrew Thomson consents to the inclusion in the presentation of the matters based on their information in the form and context in which it appears.

#### Mt Henry Project

• Mt Henry Project Resource cutoff grades are 1.0 g/t. Individual project resources and reserves are stated on an equity basis.

The information in this report that relates to the Mt Henry Project Mineral Resources is based on information compiled by or reviewed by Richard Breyley (MAusIMM). Richard Breyley is a full-time employee of Matsa Resources Ltd. Richard Breyley has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2004 Edition of the Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Richard Breyley consents to the inclusion in the presentation of the matters based on their information in the form and context in which it appears.



#### **Panton PGM Project - Resources**

					Metal (oz)					
Resource	Equity	Date of	Tonnage	Pt	Pd	Au	Cu	Ni	Pt	Pd
		Resource		(g/t)	(g/t)	(g/t)	(%)	(%)	(oz ,000)	(oz ,000)
Top Reef	100%	Mar-12								
Measured			4,400,000	2.46	2.83	0.42	0.28	0.08	348	400
Indicated			4,130,000	2.73	3.21	0.38	0.31	0.09	363	426
			1,560,000	2.10	2.35	0.38	0.36	0.13	105	118
Middle Reef	100%	Mar-12								
Measured			2,130,000	1.36	1.09	0.10	0.18	0.03	93	75
Indicated			1,500,000	1.56	1.28	0.10	0.19	0.04	75	62
			600,000	1.22	1.07	0.01	0.19	0.05	24	21
Total (Equity)			14,320,000						984	1,081

The information is in this report that relates to the Panton Mineral Resource is based on a resources estimate compiled by Mr Ted Copeland who is a Director of Cube Consulting Pty Ltd and is a Member of the Australian Institute of Mining and Metallurgy. Mr Copeland has more than ten years experience which is relevant to the style of mineralisation and type of deposit under consideration and in the activity which he is undertaking and qualifies 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 Copeland consents to the inclusion in the release of the matters based on his information in the form and context in which they appear.

## **Appendix 5: Thunder Bay North Project Resources**

vision commitment results



				Grade								Metal (oz)		
Resource	Equity	Date of	Tonnage	Pt	Pd	Rh	Au	Ag	Cu	Ni	Со	Pt-Eq	Pt	Pd
	Lquity	Resource		(g/t)	(g/t)	(g/t)	(g/t)	(g/t)	(%)	(%)	%	(g/t)	(oz ,000)	(oz ,000)
Open Pit	100%	Jan-11												
Indicated			8,460,000	1.04	0.98	0.04	0.07	1.50	0.25	0.18	0.014	2.13	283	267
Inferred			53,000	0.96	0.89	0.04	0.07	1.60	0.22	0.18	0.014	2.00	2	2
Underground	100%	Feb-12												
Indicated			1,369,000	1.65	1.54	0.08	0.11	2.60	0.43	0.24	0.016	3.67	73	68
Inferred			472,000	1.32	1.25	0.06	0.09	2.10	0.36	0.19	0.011	2.97	20	19
Total (Equity)			10,354,000										377	355

#### Thunder Bay North Open Pit Mineral Resource

The effective date of this estimate is 11 January 2011, which represents the cut-off date for the most recent scientific and technical information used in the report. The Mineral Resource categories under the JORC Code (2004) are the same as the equivalent categories under the CIM Definition Standards for Mineral Resources and Mineral Reserves (2010). The portion of the Mineral Resource underlying Current Lake is assumed to be accessible and that necessary permission and permitting will be acquired. All figures have been rounded; summations within the tables may not agree due to rounding.

The open pit Mineral Resource is reported at a cut-off grade of 0.59 g/t Pt-Eq within a Lerchs-Grossman resource pit shell optimised on Pt-Eq. The strip ratio (waste:ore) of this pit is 9.5:1. The contained metal figures shown are in situ. No assurance can be given that the estimated quantities will be produced. The platinum-equivalency formula is based on assumed metal prices and overall recoveries. The Pt-Eq formula is: Pt-Eq g/t = Pt g/t

The updated resources do not include drilling conducted since May 31, 2010.

The information in this report that relates to Mineral Resources compiled by AMEC Americas Limited was prepared by Greg Kulla P.Geo (APOG #1752, APEGBC #23492) and David Thomas, P.Geo, MAusIMM (APEGBC #149114, MAusIMM #225250), both full time employees of AMEC Americas Limited. Mr. Kulla and Mr. Thomas have sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration and to the activities undertaken to qualify as Competent Persons as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (the JORC Code) and independent qualified persons as this term is defined in National Instrument 43-101.

#### Thunder Bay North Underground Mineral Resource

Underground Mineral Resource Estimates: The internal mineral resource estimate for the East Beaver Lake extension was made by ordinary kriging methods using the same technical and financial parameters as those used by AMEC Americas Limited for the Underground Mineral Resource estimate reported by the Company on 6 September 2010. The Underground Mineral Resource is reported at a cut-off grade of 1.94g/t Pt-Eq. The contained metal figures shown are in situ. The platinum equivalency formula is based on assumed metal prices and recoveries and therefore represents Pt-Eq metal in situ. The Pt-Eq formula is: Pt-Eq g/t = Pt g/t + Pd g/t x 0.2721 + Au g/t x 0.00043 + Cu g/t x 0.000418 + Sulphide Ni g/t x 0.000433 + Sulphide Co g/t x 0.000428 + Rh g/t x 2.7211. The assumed metal prices used in the Pt-Eq formula are: Pt US\$1,470/oz, Pd US\$400/oz, Rh US\$4,000/oz, Au US\$875/oz, Ag US\$14.30/oz, Cu US\$2.10/lb, Ni US\$7.30/lb and Co US\$13.00/lb. The assumed process recoveries used in the Pt-Eq formula are: Pt 75%. Pd 75%. Rh 75%. Au 50%. Au 50%. Cu 90%. and Ni and Co in sulphide 90%.

The assumed smelter recoveries used in the Pt-Eq formula are Pt 85%, Pd 85%, Rh 85%, Ag 85%, Cu 85%, Ni 90% and Co 50%. To account for a portion of the Ni and Co occurring as silicate minerals, Ni and Co in sulphide were estimated by linear regression of MgO to total Ni and total Co respectively. The regression formula for Ni in sulphide (NiSx) is: NiSx = Ni - (MgO% x 60.35 - 551.43). The regression formula for Co in sulphide (CoSx) is: CoSx = Co - (MgO% x 4.45 - 9.25). All figures have been rounded. Summations within the tables may not agree due to rounding. Magma undertook quality assurance and quality control studies on the mineral resource data and concluded that the collar, assay and lithology data are adequate to support resource estimation. The Mineral Resource categories under JORC are the same as the equivalent categories under CIM Definition Standards (2005). The Mineral Resource has been estimated in conformity with both generally accepted CIM "Estimation of Mineral Resources and Mineral Reserves Best Practice" (2003) guidelines and the JORC Code (2004). Mineral resources are not mineral reserves and do not have demonstrated economic viability.

The information in this report that relates to Mineral Resources compiled internally by Magma was prepared by Mr. Guoliang Leon Ma P.Geo and Mr. Allan MacTavish P.Geo, both full time employees of Magma Metals (Canada) Limited, a wholly owned subsidiary Panoramic Resources Pty Ltd. Both Mr. Ma and Mr. MacTavish have sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration and to the activities undertaken to qualify as Competent Persons as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (the JORC Code) and qualified persons as this term is defined in National Instrument 43-101. Mr. Ma and Mr. MacTavish consent to the inclusion in the report of the matters based on this information in the form and context in which it appears.