



## Fast Facts

Cap Structure	Mar 2010
Issued Shares	362Mil
Market Cap	A\$24.0Mil
Cash + Investments	\$3.0Mil

## Directors

Hamish Bohannon	Chairman
Steve Norregaard	Managing Dir.
Joe Totaro	Non-Exec Dir.
Andrew Czerw	Executive Dir.
Tony Martin	Non-Exec Dir.

## Company Highlights

- Substantial resource base
- Diversified commodities
- Aggressive exploration
- Proven management
- BFS well advanced



## PRP Resource Base

- 13.5 Mt
- 880,000 oz gold
- 9.9 Moz silver
- 88,000 t copper
- 123,000 t lead
- 74,000 t zinc

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## PHILLIPS RIVER GOLD COPPER PROJECT HARBOUR VIEW RESOURCE UPGRADE

### Highlights

- Phillips River Project Gold Resource increases 31,000 ounces to **880,000 ounces**
- Harbour View Gold Resource increases 19% to 197,000 ounces

Tectonic (ASX:TTR) is pleased to announce a overall 19% increase in the Harbour View / May series Gold Resource at Kundip to 197,000 ounces, up from 166,000oz (January 2009).

**The overall gold resource for the Phillips River Gold Copper Project has now increased to 880,000 oz.** This follows the 94,000 ounce increase in the Kaolin gold resource as announced on the 22<sup>nd</sup> of April 2010.

This upgrade has resulted from recent drilling aimed at increasing geological confidence levels while also testing for new mineralisation. Both outcomes have been achieved with key features of note:

- 21% increase in Indicated Resource category – now 138,000 ounces up from 113,000 ounces
- Identification of a new high grade shoot on the northern end of Harbour View (reported 29<sup>th</sup> April, currently drilling follow-up)

Managing Director Steve Norregaard commented “It is pleasing to see another resource increase on the back of infill drilling. A substantial increase in the overall gold and copper endowment and the proportionally higher level in the indicated resource category will add significant value to the project. It’s a great outcome, with the added bonus of providing additional exploration opportunities which will hopefully lead to further resource expansions”.



Drilling has re-commenced on the northern end of the Harbour View line of lode targeting the down plunge position of the recently intersected **3.0m @ 29.2g/t Au and 1.1% Cu**. The company believes this may well develop into a significant new shoot of high grade mineralisation.

The company continues to work with Cube Consulting on a re-estimation of the Flag mineral resource. This work is expected to be completed by the end of June and will see the conclusion of the process of upgrading the confidence in the Phillips River mineral resource base. This work flows directly into the on-going definitive feasibility study which remains the focus for the company.

For further information please contact:

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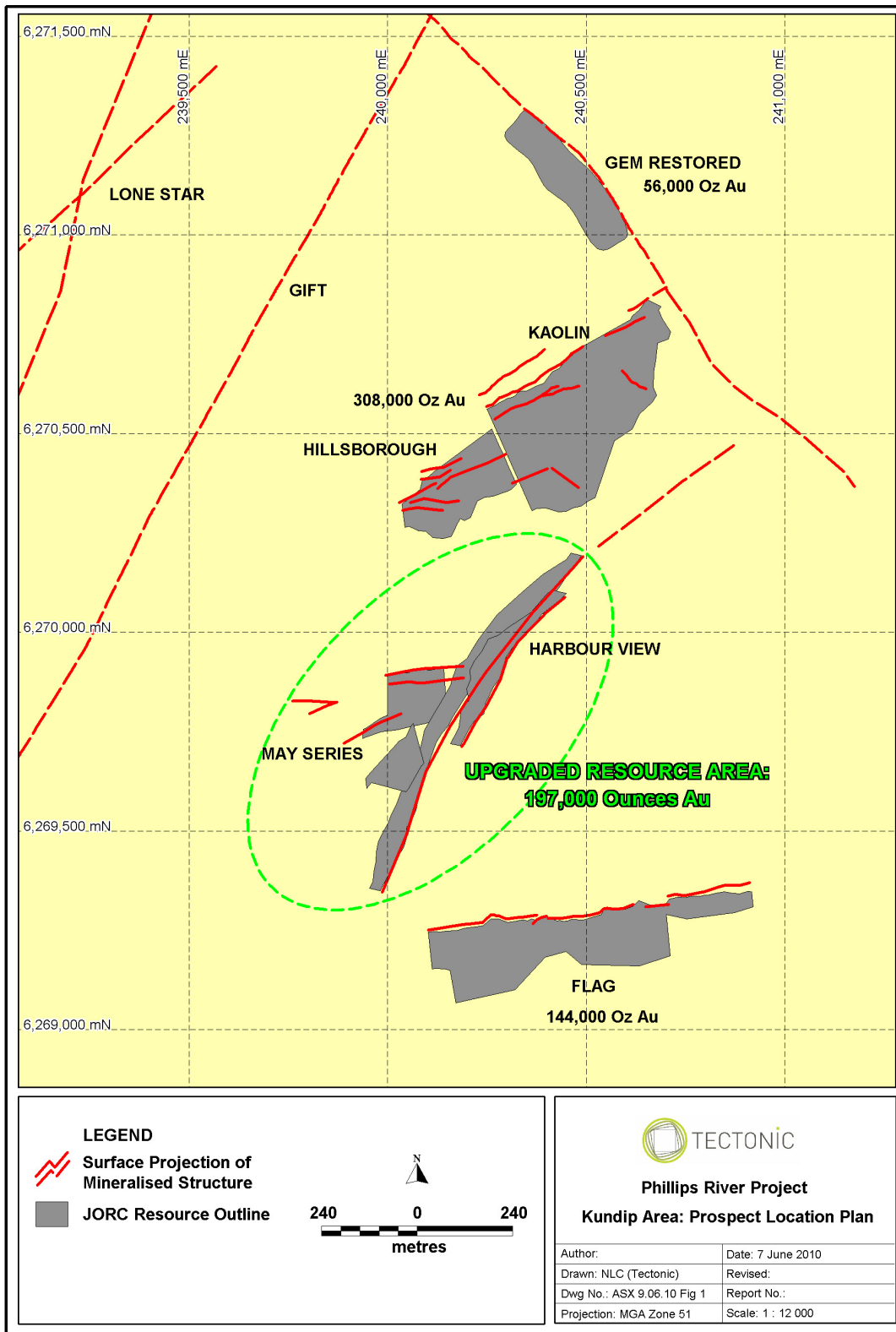
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### Competent Person's Statement

*The information in this report that relates to Exploration Results and Mineral Resources is based on information compiled by Mr Bruce Armstrong who is a Member of the Australasian Institute of Geoscientists. Mr Armstrong is a full time employee of Tectonic, and has sufficient experience which is relevant to the style of mineralisation under consideration to qualify as a Competent Person as defined in the 2004 edition of the JORC Code. Mr Armstrong has given his consent to the inclusion in the report of the matters based on the information in the form and context in which it appears. "This release may contain forward-looking statements. Forward-looking statements address future events and conditions and therefore involve inherent risks and uncertainties. Actual results may differ materially from those currently anticipated in such statements."*

*\*The information in this report that relates to the Harbour View and Mayday Mineral Resources, is based on information compiled Chris Black of Cube Consulting, who is a Member of The Australasian Institute of Geoscientists. Chris Black has sufficient experience which 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 "Australasian Code for Reporting of Mineral Resources and Ore Reserves". Chris Black consents to the inclusion in the report of the matters based on their information in the form and context in which it appears. Cube Consulting is an independent Perth based resource consulting firm specialising in geological modelling, resource estimation and Information Technology.*

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*Figure 1- Harbour View Resource Location Map*

TECTONIC RESOURCES NL				
COMBINED HARBOUR VIEW AND MAY-SERIES RESOURCE TABLE: MAY 2010*				
RESOURCE CATEGORY	Tonnes Mt	Au g/t	Ag g/t	Cu %
MEASURED				
INDICATED	1.19	3.6	3.6	0.6
INFERRED	0.66	2.8	3.2	0.5
<b>TOTAL</b>	<b>1.86</b>	<b>3.3</b>	<b>3.4</b>	<b>0.6</b>
CONTAINED METAL				
	Mt	(000 Oz)	(000 Oz)	(000 t)
MEASURED				
INDICATED	1.19	138	137	7.5
INFERRED	0.66	59	69	3.4
<b>TOTAL</b>	<b>1.86</b>	<b>197</b>	<b>205</b>	<b>10.9</b>

*Table 1- Harbour View / May Series Resource Estimate. Based on 1g/t Au Eq. cut-off*

TECTONIC RESOURCES GLOBAL RESOURCE TABLE: APRIL 2010						
GOLD AND COPPER RESOURCE TABLE: KUNDIP PROJECT AND OTHERS**						
CATEGORY	Mt	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
MEASURED	0.00	0.0	0.0	0.0		
INDICATED	4.98	3.1	2.3	0.3		
INFERRED	2.27	3.0	2.0	0.3		
<b>SUB TOTAL</b>	<b>7.25</b>	<b>3.1</b>	<b>2.2</b>	<b>0.3</b>		
BASE METAL RESOURCE TABLE: TRILOGY PROJECT***						
MEASURED	0.31	2.4	41	0.3	0.1	0.0
INDICATED	5.75	0.7	48	1.1	2.1	1.3
INFERRED	0.18	0.6	12	0.8	0.2	0.2
<b>SUB TOTAL</b>	<b>6.24</b>	<b>0.8</b>	<b>47</b>	<b>1.0</b>	<b>2.0</b>	<b>1.2</b>
GLOBAL RESOURCE TABLE: GRADE						
MEASURED	0.31	2.4	41.2	0.3	0.1	0.0
INDICATED	10.73	1.8	26.8	0.7	1.1	0.7
INFERRED	2.45	2.8	2.8	0.3	0.0	0.0
<b>GRAND TOTAL</b>	<b>13.49</b>	<b>2.0</b>	<b>22.7</b>	<b>0.7</b>	<b>0.9</b>	<b>0.6</b>
GLOBAL RESOURCE TABLE: CONTAINED METAL						
	Mt	M Oz	M Oz	t (000)	t (000)	t (000)
MEASURED	0.31	0.02	0.41	0.9	0.4	0.0
INDICATED	10.73	0.64	9.23	79.0	122.5	73.9
INFERRED	2.45	0.22	0.22	8.2	0.3	0.3
<b>GRAND TOTAL</b>	<b>13.49</b>	<b>0.88</b>	<b>9.9</b>	<b>88.2</b>	<b>123.3</b>	<b>74.3</b>

*Table 2- Phillips River Global Resource Estimate*

\*- Based on wire-framing to drill holes on a 1.0g/t Au eqv. cut-off for shallow resource, and 3.0g/t Au eqv. for deeper mineralisation, and reporting to a 1g/t Au eqv cut-off. Au Eqv =Au + (Cu ppm \* 0.0001243223982)

\*\*- Variously based on wire-framing to drill holes, and reporting on a 1g/t or 1g/t Au equivalent cut-off based on:

Au eq= Au ppm +( Cu ppm \*0.0001420827408)

\*\*\*-Based on wire-framing to drill holes on a 0.5% Cu equivalent cut-off and reporting to a 1% Cu equivalent cut-off.

Oxide Cu eq. =(Au ppm \* 9775)+(Ag ppm \* 150.4) +(Cu ppm)

Sulphide Cu eq. = (Au ppm \*4720)+(Ag ppm \* 75.5)+(Cu ppm)+(Pb ppm \* 0.2384) + (Zn ppm \* 0.1925)



## **About Tectonic**

Tectonic Resources NL ("Tectonic") has established a singular focus on the Phillips River Project and is well underway with the implementation of its strategy to advance the project to Bankable Feasibility Status. Situated on the south coast of Western Australia, between Hopetoun and Ravensthorpe, the project includes two established resource areas that lie in close proximity to each other. Both are the subject of ongoing work programmes.

### **Trilogy**

The Trilogy deposit is a shallow bulk tonnage poly-metallic resource of 6.2Mt at 0.8g/t Au, 47g/t Ag, 1.0% Cu, 2.0% Pb and 1.2% Zn. The deposit lies on freehold farming land owned by the company.

Current Activities:

- Metallurgical testwork is completed confirming concentrate specification and recoveries
- Review of regional exploration targets is ongoing with geochemical soil sampling targeting broadly defined copper gold anomalism
- Drilling of the Railway Geochemical anomaly has just been completed with assay results and analysis of results pending

### **Kundip**

Kundip is a historic mining centre with mineralisation hosted within quartz shear structures. The currently defined resources are contained within a 3km by 1km area. Exploration is ongoing outside of the resource area. A total resource of 7.24Mt at 3.1g/t Au and 0.3% Cu has been defined. Current work programmes are aimed at increasing the resource base and increasing confidence in known resources.

Current Activities:

- Regional Geochemical sampling and mapping is being progressed to gain greater understanding into the area
- Toll milling of gold ore stockpiled on surface during past mining episodes
- Drilling – resource definition of Kaolin and Harbour View deposits are completed with Flag commenced

### **Feasibility Study**

The company appointed GR Engineering as study manager to oversee all aspects of the Feasibility study including detailed engineering of the processing facility. The study is destined for completion by the end of August 2010.