



Fast Facts

Cap Structure	Dec 09
Issued Shares	362Mil
Market Cap	A\$25.3Mil
Cash + Investments	\$4.4Mil

Directors

Hamish Bohannan	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

- 12.66 Mt
- 850,00 oz gold
- 9.5 Moz silver
- 87,000t copper
- 123,000t lead
- 74,000t zinc

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PHILLIPS RIVER PROJECT

KAOLIN/HILLSBOROUGH RESOURCE UPGRADE

Highlights

- Phillips River Project Gold Resource increases 94,000 oz to 850,000 oz
- Kaolin/Hillsborough Total Resource tonnage increases 123% with a 44% increase in contained gold.

Tectonic (ASX:TTR) is pleased to announce a substantial increase in the combined Kaolin/Hillsborough Resource from 214,000oz (October 2005) to 308,000 oz.

The overall gold resource for the Phillips River Project has now increased to 850,000 oz.

This upgrade results from the recent drill programs which were aimed at expanding the size of the resource and increasing confidence levels. Both of the desired outcomes have been achieved with a 125% uplift in tonnage, 58% uplift in contained gold and 92% uplift in contained copper in the higher confidence Indicated category.

Managing Director Steve Norregaard commented "This is an excellent outcome. Both the substantial increase in tonnage and overall gold and copper endowment will add significant value to the project. High confidence levels for the majority of the resource has now been achieved. With the project gold resource increasing to 850,000 oz we look forward to finalising our definitive feasibility study".

With resource modelling completed on Kaolin/Hillsborough, Cube Consulting is well under way with modelling on the remaining Kundip resources.



For further information please contact:

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-ENDS-

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 **Kaolin and Hillsborough 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.

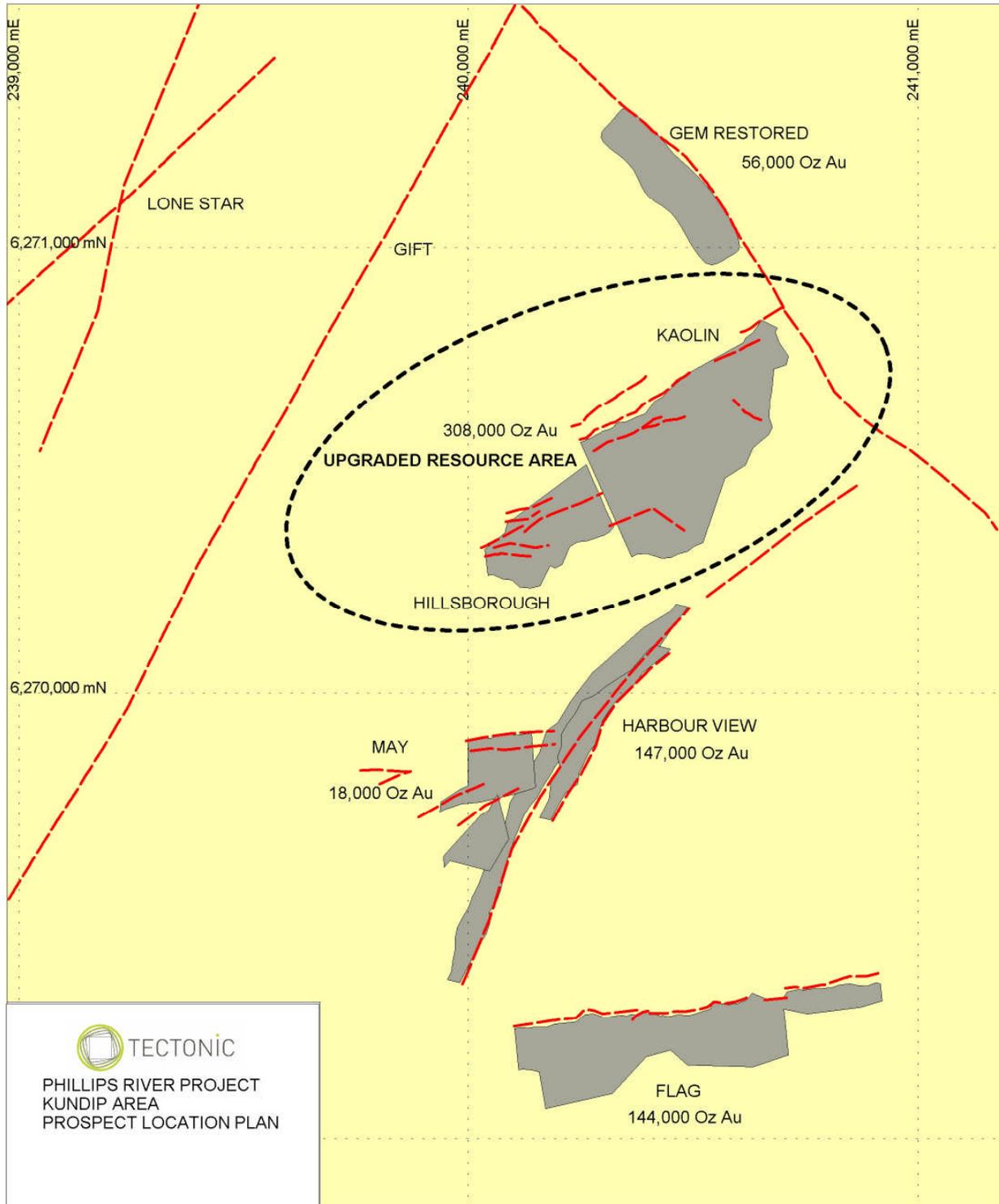


Figure 1- Kundip Resource Location Map



TECTONIC

TECTONIC RESOURCES			
COMBINED KAOLIN AND HILLSBOROUGH RESOURCE TABLE: APRIL 2010*			
CATEGORY	tonnes M	Au (g/t)	Cu (%)
MEASURED	0.00	0.00	0.0
INDICATED	3.01	2.45	0.2
INFERRED	1.00	2.21	0.1
SUB TOTAL	4.01	2.39	0.16
TOTAL RESOURCE TABLE: CONTAINED METAL			
	Mt	Oz (000)	t (000)
MEASURED	0.00	0	0.0
INDICATED	3.01	237	5.2
INFERRED	1.00	71	1.2
SUB TOTAL	4.01	308	6.4

Table 1- Kaolin/Hillsborough Resource Estimate. Based on 1g/t Au 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	4.44	3.3	2.2	0.3		
INFERRED	1.98	3.3	2.0	0.4		
SUB TOTAL	6.42	3.3	2.2	0.3		
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
SUB TOTAL	6.24	0.8	47	1.0	2.0	1.2
GLOBAL RESOURCE TABLE: GRADE						
MEASURED	0.31	2.4	41.2	0.3	0.1	0.0
INDICATED	10.18	1.9	28.0	0.8	1.2	0.7
INFERRED	2.17	3.0	2.9	0.4	0.0	0.0
GRAND TOTAL	12.66	2.1	24.0	0.7	1.0	0.6
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	10.18	0.61	9.18	77.7	122.5	73.9
INFERRED	2.17	0.21	0.20	8.4	0.3	0.3
GRAND TOTAL	12.66	0.85	9.8	87.1	123.3	74.3

Table 2- Phillips River Global Resource Estimate

*- Based on wire-framing to drill holes on a 0.8g/t Au cut-off, and reporting to a 1g/t Au cut-off

**- Various 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 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 6.42Mt at 3.3g/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 mid 2010.