



30 January 2012

ASX Announcement

ASX Code:TPR

**QUARTERLY ACTIVITIES REPORT**  
**FOR THE THREE MONTHS ENDED 31 DECEMBER 2011**

**Highlights**

- A wide laminated quartz filled zone has been identified as the Lockington Fault
- A Gold Arsenopyrite mineralisation has been intersected over 6 metres in LODT004-W1
- Cash balance of \$7.2 million (cash backing of 10.5 cents per share)
- Phase Three of the exploration programme commenced on 9 January 2012

Timpetra Resources Limited (ASX: TPR) ("Timpetra" or the "Company") provides the following commentary for the three months ended 31 December 2011, to be read in conjunction with Appendix 5B.

**Exploration work**

Phase Two of the exploration work consisted of the drilling of two wedge holes totalling 630 metres. These wedge holes (daughter holes) were drilled as branching holes from the previously drilled hole LODT004 (parent hole), with the objective to test the extent of the mineralisation located near the end of the parent hole. The first wedge hole (LODT004-W1) tested the area above, and the second wedge hole (LODT004-W2) explored the area below the previously reported mineralisation from LODT004.

**Results of exploration work**

Wedge hole LODT004-W1 intersected a zone of laminated quartz-graphite and pug clays which was recognised as a significant structural domain boundary, and has been identified as the Lockington Fault. This fault has been confirmed as having a primary relationship with the gold mineralisation.

A group of faults (F3 Faults) have been interpreted to be conjugate faults to the Lockington Fault - they developed at the same time as the Lockington Fault. As the Lockington Fault is compressive, the F3 faults have been interpreted as dilational, i.e. they cause tension or openings in the host rock allowing for the movement of fluids and deposition of gold-arsenopyrite mineralisation.

Mineralisation encountered in LODT004 and LODT004-W1 and W2 is associated with shallow north-east dipping quartz veins. These veins are sub-parallel to the F3 Faults confirming that the F3 Faults, mineralised veins and the Lockington Fault are all products of the same event.

The Lockington Fault has been confirmed as the significant structural controller and although it itself is not mineralised, it was one of the main conduits of mineralising fluids which settled in the F3 Faults and associated veins.

Wedge hole LODT004-W1 intersected a 6 metre zone from 258 metres (678 metres downhole) of arsenopyrite mineralisation, with 3.5 metres averaging 2.6 g/t gold.

Wedge hole LODT004-W2 intersected narrow zones of weak arsenopyrite and gold mineralisation at 206 metres (755 m downhole) and 232 metres (781 m downhole).

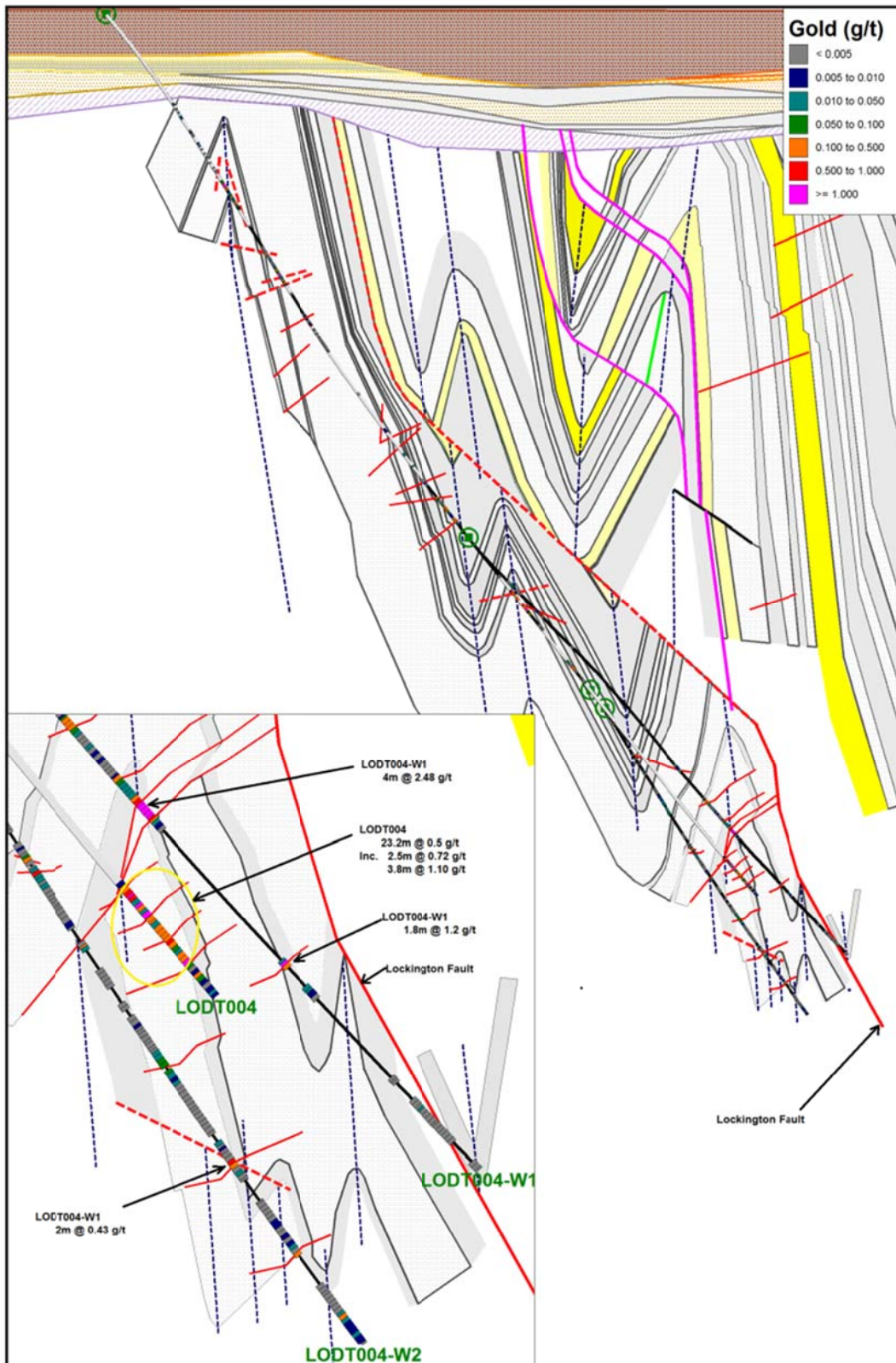
### **Mineralisation Model**

Timpetra has completed a full review of the current exploration based on results of the Phase I and Phase II drill programs. The Lockington Fault is a major fault throughout the Lockington South Prospect area which has allowed for the free movement of mineralising fluids over large horizontal and vertical distances. These fluids were able to enter the host rocks through the development of the shallow dipping conjugate faults (F3 Faults) resulting in the formation of mineralised quartz veins and gold-arsenopyrite mineralisation in the surrounding sandstones.

These quartz veins have preferentially developed in the footwall to the Lockington Fault, close to the centre of the Friesian Anticline, and there is evidence of a similar mineralisation setting existing with other anticlines such as the Poddy and Guernsey (as previously reported).

### **Stage Three Exploration program**

Phase Three of the exploration program commenced on the 9 January 2012 with the objective of testing this model by drilling through the Lockington Fault near the Friesian Anticline. It is anticipated that a series of shallow dipping, mineralised veins will be intersected in the footwall to this fault.



**Cross section looking south through 5980950N – Lockington South Prospect**

The graphic above shows detail of drilling through the Friesian Anticline. The Lockington Fault is shown by the steeply west (right of image) dipping red line. F3 Faults are shown as a group of irregular short lines dipping at a shallow angle to the east (left). These faults preferentially develop in the footwall to the Lockington Fault, close to the centre of the Friesian Anticline.

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For more information:

### **Timpetra Resources Limited**

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### **About Timpetra Resources Limited**

Timpetra Resources Limited is a public listed Australian company that is focused on the identification, assessment and development of gold projects. The Company's maiden project is the Lockington Project, an advanced gold exploration project situated within Central Victoria's established gold district near the town of Lockington. Since July 2003, over 100,000 meters of drilling has been completed at the Lockington property, as well as extensive geochemistry and ground geophysics work. The Lockington Project is supported by Timpetra's major shareholder, Gold Fields Australasia Pty Ltd, who also has a technical services agreement in place with Timpetra.

### **Statement as to Competency**

The Exploration Results in this report have been compiled by Mr Geoff Turner, who is a Member of the Australian Institute of Geoscientists. Mr Turner has more than ten years experience in the estimation, assessment, and evaluation of mineral resources and ore reserves, and has more than 20 years experience in exploration for the relevant style of mineralisation that is being reported. As such, Geoff Turner 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".

Geoff Turner is contracted to Timpetra Resources Ltd through his company Exploration Management Services Pty Ltd, and consents to the inclusion in this report of these matters based on the information in the form and context in which it appears.

### **Forward Looking Statements**

This announcement contains certain forward looking statements which, by nature, contain risk and uncertainty because they relate to future events and depend on circumstances that are due to occur in the future.

There are a number of factors that could cause actual results or developments to differ materially from those expressed or implied by these forward looking statements.