

MAIDEN MINERAL RESOURCE ESTIMATE FOR WINDARRA TAILS DAM

- Initial Mineral Resource of 4.50 million tonnes at 0.78 g/t gold for 113,300 contained ounces Indicated Resource for the Windarra Tails Dam Project
- Resource estimate confirms historical records from internal WMC reports
- Metallurgical studies are underway on bulk samples derived from the drill samples
- Scoping Study is on-track for completion in February 2010

Triton Gold Ltd (ASX: TON) (the “Company”) is today pleased to announce a maiden Mineral Resource estimate for its Windarra Tails Dam Project in the Laverton district of Western Australia.

The resource consists of an Indicated Mineral Resource estimate of **113,300** ounces of contained gold with an average gold grade of **0.78 g/t** gold, reported in accordance with the Joint Ore Reserve Committee (“JORC”) code.

Triton Gold’s Managing Director, Mr Greg Hall, said the Windarra Tails Dam is a core focus for the Company.

“The project represents a potential for near-term cash flow, which may contribute funds to exploration programs being conducted elsewhere in the Yilgarn and Albany-Fraser Belt,” said Mr Hall.

“As a result, achieving this maiden resource today is an important stepping stone and builds confidence in the team’s ability to deliver.”

This Mineral Resource estimate is in broad agreement with the metallurgical reconciliation records of the discharged tailings containing 130,000 ounces with an average gold grade of 0.8 g/t (internal Western Mining Corporation Ltd reports).

Independent geological and mining consulting company CSA Global Pty Ltd (CSA) prepared the resource estimate based on drilling and assaying carried out by Triton Gold in 2009.

The Mineral Resource estimate for both the northern and southern dams has been classified as an Indicated Resource (Table 1).

Table 1: Windarra TSF Au 2009 Indicated Mineral Resource Estimates

Dam	Tonnes (MT)	Au g/t	Contained Ounces
North	3.76	0.81	98,200
South	0.74	0.63	15,100
Total	4.50	0.78	113,300

Note: The CSA Mineral Resource was estimated within a constraining wireframe defining the TSF volume, and above a lower cut-off grade of 0.4 g/t Au. The resource is quoted based upon blocks with a grade of greater than 0.4g/t. Differences may occur due to rounding errors.

Pursuant to the Gold Rights Transfer Agreement executed between Mining Force Pty Ltd and Poseidon Nickel Ltd on 26 March 2009, Triton Gold will retain 100% of the gold rights contained in the Windarra Tails Dam by delivering a Scoping Study to assess the viability of recovering gold from the tailings dam within six months of listing on the ASX, namely 14 February 2010, among other requirements.

Gold tailings have been confirmed to have been deposited in at least two of the three dams of the Windarra Tails Dam through the resource definition drilling completed on the southern and northern dams in September 2009. The presence of gold tailings in the Central (Nickel) dam has not been tested. Records suggest that two years worth of gold tails were placed onto the Central Dam, which should account for the majority of the difference between the predicted 131,000 contained ounces (WMC) and the 113,000 contained ounces indicated from Triton Gold's work to date.

The resource drilling also provided material for the metallurgical test work that is currently underway as part of a Scoping Study on the Windarra Tails Dam.

The resource definition drilling was conducted using Sonic and aircore drilling techniques. The Sonic drilling technique was employed on the northern dam to collect good quality samples in both dry and wet tailings material. Sample quality in aircore drill holes was adversely affected in areas of high moisture content in the northern dam, prompting the exclusion of the aircore samples from the resource estimate for the northern dam. The moisture content on the southern dam is low and the quality of the aircore drill samples was satisfactory for inclusion in the estimation of an Indicated Resource.

Quality assurance strategies implemented during the drilling, sampling and assaying methods include:

- quality control on drilling and sampling practices managed by site geologists
- tracking of samples from site to laboratories;

- use of external umpire standards, field duplicates, laboratory standards and internal laboratory repeats;
- twinned holes and close-spaced drilling to constrain geostatistical parameters

The volumes of the dams were modelled using wireframe surfaces based on surface surveys and drill hole information.

The grade estimates were made using ordinary kriging and inverse distance squared estimation techniques, having defined the estimation parameters from variogram models of the spatial continuity of the gold grade. Lower and upper gold cut-off grades of 0.4g/t and 1.0g/t respectively were applied. The tonnage estimates are based on bulk density measurements made on the sonic drill hole sample material and estimations based on the metallurgical reconciliation data from the previous operators Western Mining Corporation Ltd.

Current and Proposed Work Program

Metallurgical test work is currently in progress to investigate the character of the tailings material and potential retreatment options. This work is evaluating the recovery of other metals as well as gold. The results of this test work will form the basis of preliminary operational and economic modelling to be reported in the Scoping Study.

Should the outcomes of the Scoping Study be positive, Triton Gold will look to commence a pre-feasibility study that will include further infill drilling to define a Measured Mineral Resource and Ore Reserve for the Windarra Tails Dam.

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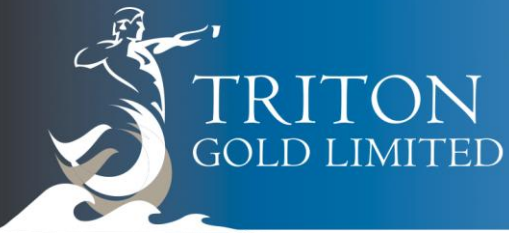
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About Windarra Tails Dam

The Windarra Tails Dam is approximately 305km², located in the world class Laverton gold district in Western Australia.

Metallurgical reconciliation reports by WMC Resources Limited (now BHP Billiton Limited) indicate that approximately 130,000 ounces of gold was deposited into the Windarra tailings dam. The distribution of the gold within the tailings dam by drilling and assaying was a core focus of Triton Gold and has now been achieved.



Consistent with corporate objectives, the Company intends to complete a Scoping Study to better define this asset and assess the ability to deliver early production. Focus will be on increasing potential recoveries using new technologies, which the Company believes is the best way to achieve more favourable economic outcomes.

Competent Persons Statement

The Minerals Resource estimate has been compiled and prepared by Mr. David Williams MAusIMM, MAIG of CSA who is a Competent Person as defined by the Australasian Code for the reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code) 2004 Edition and who consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.