

31 January 2018

Quarterly Activities Report

Highlights

- **\$6,000,000 raised under prospectus and recapitalisation of Titan completed.**
- **Strategic review of the historical exploration data for the Torrecillas and San Santiago Projects**
- **San Santiago Copper Plant Tailings Dam expansion underway**

Titan Minerals Limited (ASX: TTM) ("Titan" or "The Company") is pleased to provide its quarterly activities report for the quarter to December 31, 2017.

Torrecillas Gold Project – Peru:

During the quarter the company's geological team initiated a detailed review of the historical exploration data for the high-grade Torrecillas Gold Project in Peru. The Company has a right to earn-in up to 70% of the project, which is currently owned by the private company Andina Resources of which is a major shareholder of Titan.

Systematic detailed surface mapping and channel-sampling undertaken in 2012 discovered numerous high-grade gold vein systems within the Torrecillas tenure. Six new target areas – Rebeca, Tessie, Linda Julia, Sandra and 5 Noviembre West – were defined, (and remain unexplored), in addition to the previously-identified vein systems of Torre Chico, Ady-Oly, 5 Noviembre and Brecha Toropampa (see Figure 1).

The vein systems are structurally controlled and vary in strike between east-west to nor northwest – south southeast, in accordance with the regional trend. Dip is also variable, but is typically steep. Significantly, the identified strike lengths of these vein systems are all greater than **300m and up to 850m**, in comparison to the vein system at Andina's Torrecillas Gold Mine which has less than 200m of strike and had a JORC measured resource of over 100,000oz (Au). The historic channel samples represent such high grade Au hits (9.63g/t, 14.9g/t, 6.81g/t, 238g/t, 17.15g/t, 12.65g/t, 26.3g/t) validating the strategy of exploring and mobilising drilling rigs in 2018.

The Company plans to undertake a geophysical survey and further channel samples of the Torrecillas tenements in February to identify priority drilling targets. Titan intends to implement a 30,000 meters diamond drilling program on the new vein systems in mid-2018 once the review of the Torrecillas tenements is completed by its geological team.

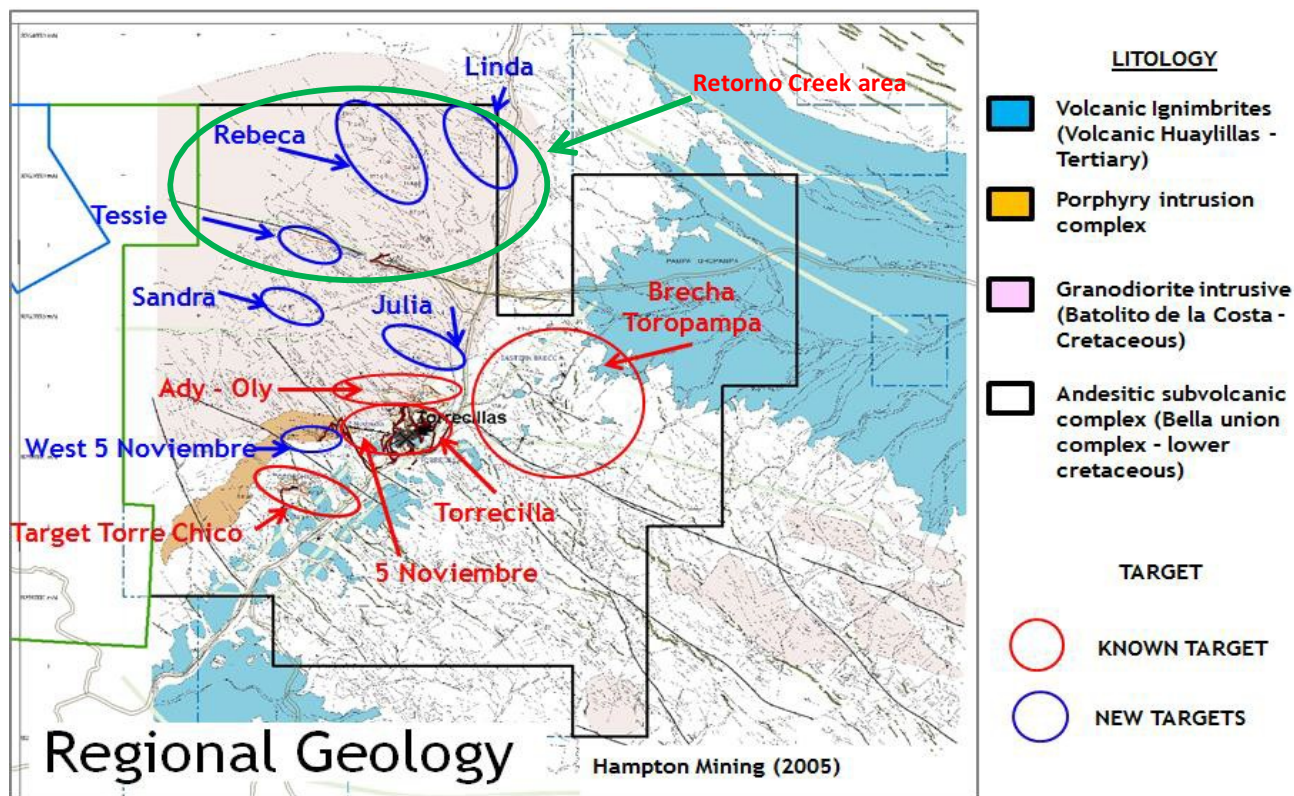


Figure 1 - Location of the high-grade gold target areas at Titan Minerals' Torrecillas Projects in Peru; circled in blue are the targets discovered during the 2012 exploration campaign

San Santiago Copper Project:

During the quarter the Company's geological team initiated a thorough review of the historical exploration data for the high-grade copper mineralisation at its 100% owned San Santiago Copper Project in Peru.

Subsequent to the end of the quarter, the geological team have finished their initial field work and are preparing for the geophysical surveys to commence in early 2018. This will cover areas of historical mining activity which are highly prospective for base and precious metals. Drilling is expected to commence at San Santiago in mid 2018 once the geophysical surveys of both San Santiago and Torrecillas are complete, and targets are prioritised.

Systematic mapping (1:500 scale) and channel-sampling of historic workings undertaken in 2015 revealed veins of massive chalcopyrite, pyrite and magnetite, with minor bornite in lenses and disseminated in the wall rocks. The alteration in the wall rocks is mostly secondary biotite and chlorite. Channel sample results reported included 1.08m grading 3.76% Cu, 1.13 g/t Au and 4.9 g/t Ag.

The original sampling work was focussed on the ore shoot known as "Brasil Vein I" which forms part of a much larger vein system in Titan's Brasil/Huarato concession located within the Acari- Cobrepampa copper-gold-silver mining district, which forms part of the Marcona Iron Oxide-Copper-Gold (IOCG) province in south-central Peru, about 550 km south of Lima (See Figure 2)

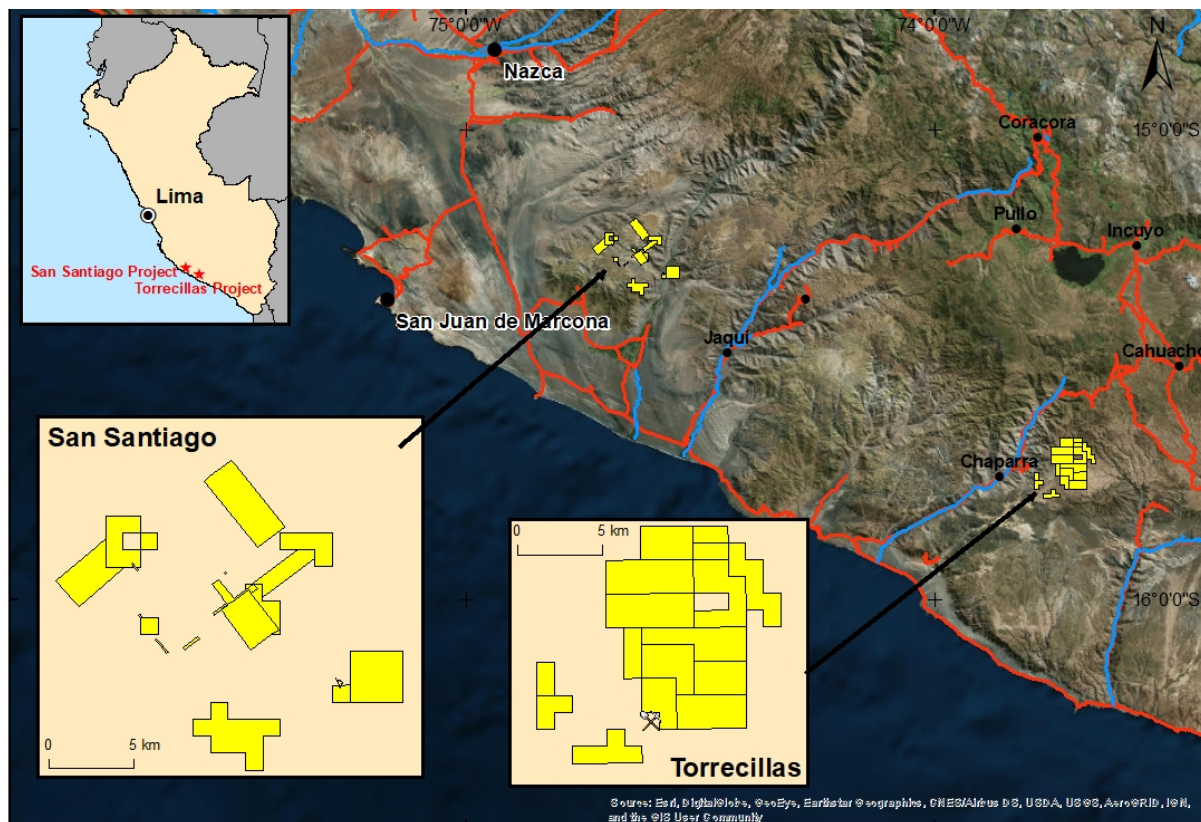


Figure 2 - Location and tenure of Titan Minerals San Santiago and Torrecillas Projects in Peru

Systematic detailed mapping and channel-sampling was also undertaken over a second mineralised vein system known as the “Callejon Vein System”, which confirmed strong results including 1.36 m grading 3.53% Cu, 0.215 g/t Au and 4.3 g/t Ag.

San Santiago Copper Plant:

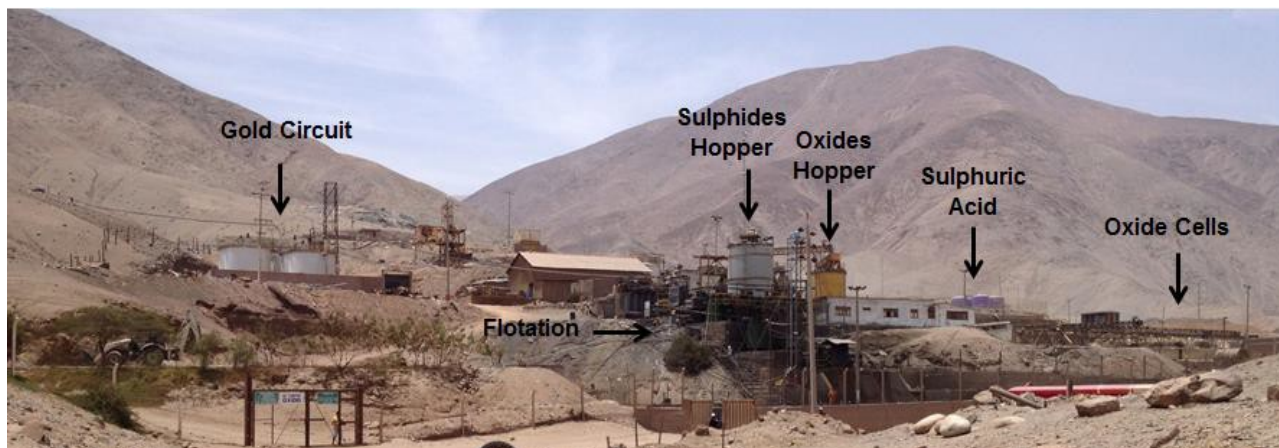
During the quarter, the Company received an independent review of the San Santiago copper plant by Primero Group, which has made a number of recommendations around increasing the facilities throughput to allow for a significant increase of copper and gold production. Several opportunities exist within the processing circuit to increase recoveries with minor amendments which are currently being assessed. The first portion of the works is currently being assessed with local geotechnical consultants completing the design for an expansion of the existing tailings facility with the intention to submit the new dam design to the local Peruvian authorities in Q2 2018.

Titan’s largest shareholder Andina Resources has reviewed the tailings expansion report and provided further validation, including its support for the Titan Minerals business plan, which at this stage includes for the restart and expansion of the San Santiago operations. The Company plans to leverage off the Andina Resources technical team who has operated processing facilities in the area for 8 years and continues to provide ongoing in country support from its highly experienced team. Whilst these ongoing assessments are being made the plant is currently under care and maintenance to enable the future restart and expansion works to be further evaluated for both capex and opex clarity, which will ensure the most appropriate decision moving forward can be made.

Titan’s technical team in Peru has undertaken a review of all artisanal mining operations in the Company’s 6,000Ha package acquired as a part of the San Santiago concession and has identified a key area that previously provided high grade channel sampling that the Company believes will provide suitable additional ore to feed the San Santiago plant in the near future. This assessment is ongoing and a decision relating to the complete restart of the operation including feedstock, and other potential processing opportunities closer to the more prospective geological areas will be made at the conclusion of the

assessment which we expect to be completed in Q2 2018. The southern mining provinces located near the San Santiago operations are highly active with producing assets which may provide consolidation opportunities.

As part of the assessment the Company is currently negotiating with local artisanal miners on the San Santiago Brasil copper mine concessions to start moving high grade copper feed stock to the San Santiago plant location.



Picture 1: San Santiago Processing Plant

Corporate:

On October 4, the recapitalisation of the Company was completed with \$6,000,000 being raised under the prospectus dated 18 August 2018. Accordingly, the DOCA was fully effectuated, the Company exited external administration and control of the Company passed to the Company directors.

On October 5, the Company issued and allotted 1,625,000,000 ordinary shares under the prospectus dated 18 August 2018.

On October 17, the Company satisfied all required listing conditions, and was re-instated to the official quotation on the ASX under the security code "TTM".

Please refer to various announcements dated 4/10/2017 to 13/10/2017 for further information on corporate activities relating to the recapitalisation, re-listing of the Company on the ASX.

The Company continues to review new opportunities and projects in Peru that would be complimentary to the Company's current exploration and production assets.

Appointment of Exploration Manager

During the quarter, the Company appointed Dr Owen Miller as Exploration Manager. Dr Miller is a geologist with over 15 years' experience in gold, base metals in South America. Dr Miller will specifically oversee the upcoming drilling and exploration program at the San Santiago and Torrecillas projects.

During a professional career spanning over 30 years across multiple continents, Dr Miller has been involved in a broad range of managerial and technical positions in mineral exploration, mine development, and mining production operations, he has worked in senior positions with Barrick Gold Corporation, Mount Isa Mines and Minmet Projects. Dr Miller has most recently worked with Sienna Gold Peru where he was wholly responsible for a US\$11 million budget over 3 years, managing staff of

50 fulltime employees and completing a 20,000m drilling program that resulted in the discovery of a 700,000 Au Eq resource that is now in early stage mine development.

Dr Miller's appointment is a significant achievement for the Company's Peruvian operation. Given the San Santiago concessions border one of the largest copper, gold and iron project under development in Peru at present (the Chinese owned Jinzhao Mining's Pampa De Pongo project), Dr Miller's experience will play a vital role in implementing a significant exploration and drilling plan on the company's concessions throughout the course of CY 2018.

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For further information please contact:

Mr Matthew Carr
Executive Chairman
Titan Minerals Limited
Tel: +61 408 163 950

About Titan Minerals Ltd

Titan Minerals is the owner and operator of a copper and gold business in a well-established mining region of Southern Peru. A centralised processing plant with three separate circuits produces copper concentrate and copper cement in addition to loaded carbon from the CIP gold circuit, with feed sourced from third party operators as well as from Titan's 100% owned mines.

The copper assets of Titan are contained within 7,800Ha of under explored concessions that surround the San Santiago processing plant and are currently being mined for copper, with an attractive gold and silver credit.

Titan's gold assets include its small-scale mines at the Torrecillas project. At Torrecillas, a number of high-grade narrow gold veins have been developed and mined by Titan Minerals. This gold project, located just 180km from the processing plant, are part of 16,000Ha concession package that also contain two large tonnage, low-grade disseminated targets containing known gold and copper with silver and molybdenum mineralization.

Competent Person's Statement

The information in this document that relates to the Torrecillas gold project and the San Santiago concessions is based on information compiled and conclusions derived by Mr Aidan Platel. Mr Platel has over 17 years' experience in the minerals industry, in both mining and exploration roles across a wide range of commodities. Mr Platel has the relevant qualifications, experience and independence to be considered a "Competent Person" as defined by the JORC Code (2012). Mr Platel consents to the inclusion in this presentation of the matters based on his information and has reviewed all statements pertaining to this information in the form and context in which it appears.

Information in this announcement relates to the following previous ASX announcements:

- 27 November 2012, New Gold Discovery at Torrecillas Project, Peru
- 1 February 2013, Tessie Vein System Discovered at Torrecillas Gold Project, Peru
- 22nd of April 2013, Exploration and trial mining update from Tessie project – Torrecillas Project

Exploration results were prepared and first disclosed under the JORC code 2004. It has not been updated since to comply with the JORC code 2012 on the basis that the information has not materially changed since it was last reported (see Minera Annual reports 2012-2014 and various corresponding ASX releases.)

The company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and, in the case of estimates of Mineral Resources, that all material assumptions

ASX ANNOUNCEMENT



and technical parameters underpinning the estimates in the original market announcements continue to apply and have not materially changed. The company confirms that the form and context in which the competent persons findings have not been materially modified from the original announcement.