3 JULY 2015 ASX: TLG



## **Talga Resources Ltd**

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#### **Corporate Information**

ASX Code TLG/TLGO
Shares on issue 138.36m
Options (unlisted) 11.90m
Options (listed) 7.72m

# Company Directors Keith Coughlan

Non-Executive Chairman

## Mark Thompson

Managing Director

## **Grant Mooney**Non-Executive Director



## TRIAL MINING UPDATE

Perth-based technology materials company, **Talga Resources Ltd** ("Talga") (ASX: TLG), is pleased to provide a further update in relation to it's trial mining program at the Company's wholly-owned Vittangi graphite project in Sweden ("Vittangi").

Talga previously announced the commencement of site-works at Vittangi (see ASX 26<sup>th</sup> June 2015). Site preparatory work has been advanced and the preparation of first bulk sample ore benches has commenced as per the trial mining plan (Fig 1).

Extraction of graphite ore as sawn blocks is expected to commence in mid-July, followed by transport to the Company's Rudolstadt storage facility in Germany. Thereafter, blocks will be processed into graphite and graphene products for industry end-user sampling and technical development as the various pilot plant phases are commissioned.

The mining method has been designed so that natural graphite feed material can dovetail seamlessly into Talga's novel processing pathway. Using a conventional cutting wheel and cable mining method adapted from quarrying techniques, ore will be extracted in blocks weighing approximately 2.5 tonnes each. The blocks will then be trimmed to size and liberated into graphene and graphite product streams straight from the raw ore blocks.

Talga's unique mining and processing methods dispense with the need for drill/blast mining and crush/grind comminution. This results in fewer steps than traditional graphite mining, thereby significantly lowering total operating/capital costs and minimising the environmental footprint. Additionally, the Talga methodology liberates graphene in a way that retains larger particle sizes than competing methods, maximising the number of market applications. The trial mine ore zone is part of Nunasvaara's total Mineral Resource<sup>1</sup> of 7.6Mt at 24.4% graphite.

**Figure 1** - *Preparation of first trial mine ore bench at Nunasvaara, Vittangi project.* 



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Norway Legend NORTH Talga Graphite Project Talga Iron Ore Project Talga Cobalt Project Vittangi 25km Nunasvaara Vittangi Iron Ore Mine Copper/Gold Mine City/major Town Kirund 0 Major Road/Highway Masugnsbyn SWEDEN FINLAND Kaunisvaara 💰 Pajala Raitajärvi 0 Talga Graphite Project Talga Iron Ore Project Talga Copper Project Iron Ore Mine Copper/Gold Mine City/major Town Malmberget @ 0 Jalkunen Piteå Pajala Aitik

**Figure 2** - Location plan of Talga projects, local mining operations and road/rail infrastructure.

### For further information, please contact:

### Talga Resources Ltd.

Mark Thompson - Managing Director
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## **About Talga**

**Talga Resources Ltd** ("Talga") (ASX: TLG) is a technology materials company with a simple and cost effective process to liberate graphene and graphite directly from its 100% owned natural graphite ore deposits in Sweden. Talga's unique deposits and proprietary processes provide a nominal cost path to high quality graphene production that overcome cost and volume barriers to graphene supply, thereby unlocking additive applications.

Trial mining is underway and commercial amounts of graphene platelets for industry will be provided at scale from Talga's German pilot plant facility. The end applications may include the production of intermediates such as inks, polymers, master-batches and dispersions based on Talga graphene.

Talga's legacy non graphite assets in Sweden and Australia, including a cobalt-rich IOCG, are all to be commercialised to provide funds for the core graphite projects.

1 The Vittangi graphite project Mineral Resource (Nunasvaara deposit) estimate was first reported in February 2012 and has not been updated to comply with the 2012 JORC Code. The Company is not aware of any new information or data that materially affects the information included in the relevant market releases for this estimate. The Company confirms that all material assumptions and technical parameters underpinning the estimate in the relevant market releases continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented here have not been materially modified.

#### **Competent Person's Statement**

The information in this report that relates to Exploration Results is based on information compiled and reviewed by Mr Mark Thompson, who is an employee of the Company and a member of the Australian Institute of Geoscientists and Mr Simon Coxhell, a consultant to the Company and a member of the Australian Institute of Mining and Metallurgy. Mr Thompson and Mr Coxhell have sufficient experience which is relevant to the activity which is being undertaken to qualify as a "Competent Person" as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, mineral Resources and Ore Reserves" ("JORC Code"). Mr Thompson and Mr Coxhell consent to the inclusion in the report of the matters based on this information in the form and context in which it appears.

The information in this report that relates to Resource Estimation is based on information compiled and reviewed by Mr Simon Coxhell. Mr Coxhell is a consultant to the Company and a member of the Australian Institute of Mining and Metallurgy. Mr Coxhell has sufficient experience relevant to the styles of mineralisation and types of deposits which are covered in this document and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" ("JORC Code"). Mr Coxhell consents to the inclusion in this report of the Matters based on this information in the form and context in which it appears.