Talga Resources Ltd

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**Talga Resources produces graphene with one step process**

Talga Resources (ASX:TLG) should trade higher after producing graphene with its one step process from graphite at its Jalkunen project, one of five wholly owned projects in North Sweden that contain multiple graphite prospects.

The Jalkunen graphite project is located 50 kilometres southeast from the Vittangi project that contains the high grade Nunasvaara deposit from which graphene was first produced during trials earlier this year.

Jalkunen comprises a cluster of graphite prospects defined by historic trenching, geophysics and drilling.

Talga previously completed geological logging and sampling on archived historic diamond drill cores from several of these prospects at Jalkunen and recently conducted fieldwork after analyses of historical geophysical data.

Talga's breakthrough at Vittangi produces both high quality graphene and graphite in a one-step process.

During ongoing metallurgical trials graphene from Vittangi was sold by Talga to German-based technology group, Microdrop Technologies, an international provider of nano-to-3D printing solutions.

These developments prompted Talga to investigate the potential to produce graphene from Jalkunen which has a similar geological setting to Vittangi and graphite occurrences of a similar high grade tenor.

A 5 kilogram Jalkunen sample from the Nybrännan prospect was sent to Talga's metallurgical consultants in Perth who successfully liberated graphene and graphite in exactly the same manner as the material processed from Vittangi.

Talga now considers that the Jalkunen and Vittangi graphitic geological units were once spatially connected or formed under near identical conditions.

The decision to push ahead with the recent fieldwork followed the acquisition by Talga of historical airborne electromagnetic data over Jalkunen.

Analysis revealed strong conductors extending from historic graphite prospects and 28 kilometres total strike of high priority conductors were identified.

Some of those conductors link or extend known high grade graphite occurrences and are high confidence targets.

Reconnaissance and rock chip sampling of historic workings and conductor targets returned high grade results including up to 41.3 % graphite from the Nybrännan prospect and 29.8% graphite from the Jalkunen conductor.
Importantly, the geochemical signature of the Nybrännan prospect graphite was near identical to that of the Nunasvaara deposit at Vittangi.

In addition, new tenements have been granted over the conductors that Talga considers highest priority, expanding the Jalkunen project area to 93 square kilometres.

That the graphite at Jalkunen appears to have originally been part of the same geological unit as hosts Vittangi has doubled Talga’s known potential graphene footprint in Sweden.

This could amount to an entire province of graphite uniquely suited for low cost bulk graphene production methods.

Next steps for Talga include the estimation of exploration targets and the planning of drilling on priority graphite and graphene targets to expand its potential long term production profile outside Vittangi.

Talga is well funded for this work with over $4 million in cash.

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