

Talga's Vittangi Graphite Trial Mine Commenced

- Trial mining commenced at Niska South, part of Talga's Vittangi graphite project
- Bulk natural graphite ore from trial mine to be refined into Li-ion battery anode in customer trials for electric vehicle market
- First stage excavation reveals high grade zones at shallower depth than expected

Battery anode and advanced materials company Talga Group Ltd ("Talga" or "the Company") is pleased to announce it has commenced trial mining at its 100% owned Vittangi graphite project in north Sweden ("Vittangi" or "the Project").

The 2021 trial mining campaign ("Campaign") is extracting an approximate 2,500-tonne sample of natural graphite, an EU defined 'critical mineral', from the Niska South deposit of Vittangi (see Figure 2). The raw ore will be processed and refined into the Company's flagship Li-ion battery anode product Talnode[®]-C, for large scale qualification trials in EV batteries.

Site works include the installation of environmental monitoring systems, such as dust sampling and water treatment equipment, and fencing as well as roadworks and overburden removal with stockpiling of topsoil for rehabilitation of the 100m x 100m site at the end of the 2021 Campaign.

Figure 1 Overburden clearing at trial mine site reveals visible high grade graphite near surface.



Initial trial mine excavation revealed the target graphite mineralisation commences at shallower depth than expected, beneath only 0.5-3 metres of soil and till cover as opposed to 4-5 metres originally estimated (see Figure 1). Visually the Niska South mineralisation is consistent with that of the high-grade graphite core in underlying diamond drillholes completed by Talga in 2019, and the Nunasvaara North/South JORC resources over 1-3km along strike to the south ([ASX:TLG 17 September 2020](#) and see Table 1). Highlights of the 2019 drill results from Niska South ([ASX:TLG 5 June 2019](#)) included:

- **27.0m @ 22.6% Cg** (from 12.0m) NUN19002
- **30.2m @ 25.2% Cg** (from 15.3m) NUN19003
- **33.3m @ 26.3% Cg** (from 25.0m) NUN19004
- **29.1m @ 23.0% Cg** (from 22.0m) NUN19005
- **18.8m @ 27.2% Cg** (from 37.7m) NUN19006
- **21.2m @ 25.2% Cg** (from 22.3m) NUN19007
- **18.2m @ 25.4% Cg** (from 10.0m) NUN19008

The anode product produced from this Campaign will be the first large-scale use of natural graphite from the Niska part of Vittangi since successful metallurgical testing of the drill core for the Niska Scoping Study ([ASX:TLG 7 December 2020](#)). The study considered stand-alone production of ~85,000tpa Talnode®-C anode and ~8,500tpa Talphene® graphene for silicon anodes to be added to existing plans for 19,500 tonnes anode per annum from Nunasvaara South ([ASX:TLG 1 July 2021](#)).

Talga Managing Director, Mark Thompson, commented: *“We are excited to start this trial graphite mine at Niska South to supply critical natural graphite for our downstream refining into greener Li-ion battery anodes for electric vehicles. Additionally, seeing such shallow and high grade mineralisation extending from our drilling and deposits up to 3km away demonstrates the consistency of this world-class graphite supply for more sustainable battery manufacturing within Europe.”*

Authorised for release by the Board of Directors of Talga Group Ltd.

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Figure 2 Vittangi Graphite Project deposits and trial mine location.

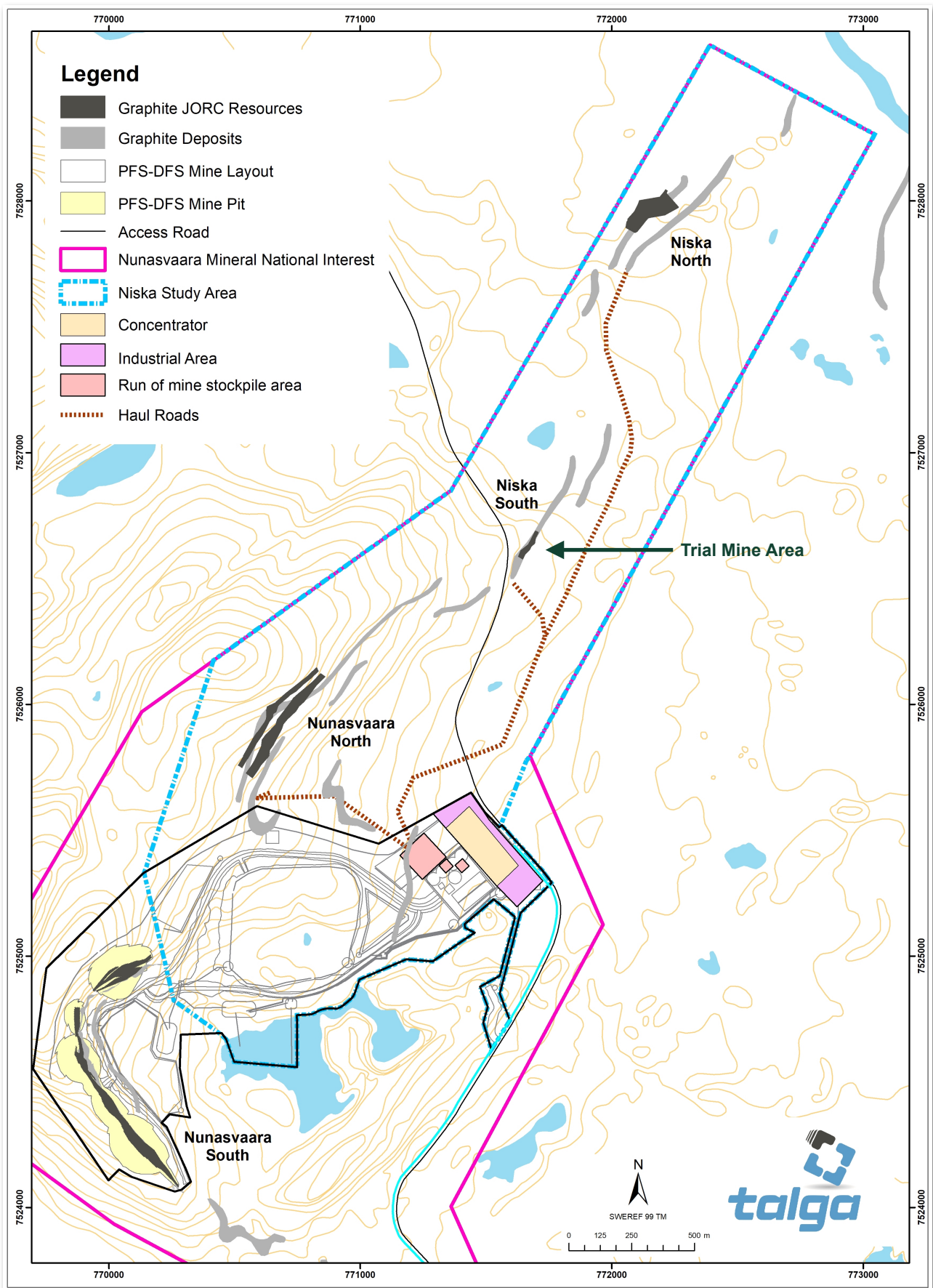


Table 1 Vittangi Graphite Project (JORC 2012) Mineral Resources.

Deposit	Resource Category	Tonnage (t)	Graphite (% Cg)	Contained Graphite (t)
Nunasvaara South	Indicated	8,600,000	24.8	2,132,800
	Inferred	1,900,000	22.5	427,700
Nunasvaara North	Indicated	1,800,000	29.4	529,200
	Inferred	2,600,000	14.8	385,000
Niska North	Indicated	4,160,000	25.8	1,074,528
Niska South	Indicated	480,000	25.8	123,696
Total	Indicated & Inferred	19,500,000	24.0	4,672,700

Note:

1. Due to rounding totals may not reconcile exactly.
2. Ore tonnes rounded to nearest hundred thousand tonnes.
3. Nunasvaara and Niska Resources at 10% Cg cut-off, as at 17 September 2020.
4. The Nunasvaara graphite MRE was disclosed on 17 September 2020 in accordance with the 2012 JORC Code. The Niska graphite MRE was disclosed in October 2019 in accordance with the 2012 JORC Code (ASX:TLG 15 October 2019).
5. The total for the Vittangi Graphite Project has increased to 19.5Mt at 24.0% Cg from the previous 16.9Mt at 25.6% Cg due to restatement of the Nunasvaara Resources and changes discussed above.

Competent Persons Statement

The Niska Mineral Resource estimate was first reported in the Company's announcement dated 15 October 2019 titled 'Talga boosts Swedish graphite project with maiden Niska resource'. The Company confirms that it is not aware of any new information or data that materially affects the information included in the previous market announcement and that all material assumptions and technical parameters underpinning the Resource estimate in the previous market announcement continue to apply and have not materially changed.

The Nunasvaara Mineral Resource estimate was reported in the Company's announcement dated 17 September 2020 titled 'Talga Boosts European Natural Graphite Resources'. The Company confirms that it is not aware of any new information or data that materially affects the information included in the previous market announcement and that all material assumptions and technical parameters underpinning the Resource estimate in the previous market announcement continue to apply and have not materially changed.

The Company first reported the production targets and forecast financial information referred to in this announcement in accordance with Listing Rules 5.16 and 5.17 in its announcement titled 'Robust Vittangi Anode Project DFS' dated 1 July 2021. The Company confirms that all material assumptions underpinning those production targets and forecast financial information derived from those production targets continue to apply and have not materially changed.



About Talga

Talga Group Ltd (ASX:TLG) is building a European battery anode and graphene additives supply chain, to offer advanced materials critical to its customers' innovation and the shift towards a more sustainable world. Vertical integration, including ownership of several high-grade Swedish graphite projects, provides security of supply and creates long-lasting value for stakeholders.

Company website: www.talgagroup.com

Forward-Looking Statements & Disclaimer

Statements in this document regarding the Company's business or proposed business, which are not historical facts, are forward-looking statements that involve risks and uncertainties, such as estimates and statements that describe the Company's future plans, objectives or goals, including words to the effect that the Company or management expects a stated condition or result to occur. Since forward-looking statements address future events and conditions, by their very nature, they involve inherent risks and uncertainties. Actual results in each case could differ materially from those currently anticipated in such statements. Investors are cautioned not to place undue reliance on forward-looking statements.

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