

ASX Announcement 7 November 2022

Drilling commences at Douglas Creek

Highlights:

- Initial RC drill program of approx. 1,100m planned to test Target Areas One, Two & Four has commenced at GNM's exciting Douglas Creek target in Queensland
- To date, exploration has defined an Intrusion Related Gold System (IRGS) over 125ha with rock chips of up to 13.9 g/t Au, 598 g/t Ag, 11.0% Cu, 4.7% Pb & 1.8% Bi
- The work is expected to take approximately 2 weeks to complete with assay results anticipated four to six weeks after end of program

Great Northern Minerals Limited (ASX: GNM) ("GNM" or the "Company") is pleased to announce that the drill program at Douglas Creek has commenced.

Figure 1 RC drill rig commences drilling at Douglas Creek





GNM CEO & Managing Director, Cameron McLean said: "We are excited to commence drilling at Douglas Creek. Our team has been on site for some time establishing the target area and preparing for this campaign."

357500mE 358000mE Recent rock chip sample Proposed drill hole Track Porphyritic ± banded intermed dyke Soil sample line Zone 2A Gossanous qtz veining/stkwrk in sericitic altered host rk Mineralisation/ Gossanous Qtz veined Breccia - 7931200mN-------Hole 3 Hornfelsed laminated volcani-clastics Crumbly c.grained G.Diorite - Bewilder Granite Biotite-hornblende Diorite - West Creek Granite ?Glen Gordan Nolcanics Rhyolitic-dacitic volcanics K. Hills Fm F-med grained micaceous SST Zone 2B GNIMRC11 Hole 2 \ Zone 1 7930700mN-Zone 5 Zone 3A DPRC009 DPRC006 DPRC044 DPRC007 DPRC008 200m DPRC041

Figure 2 Douglas Creek Target Area



GNM's Douglas Creek IRGS discovery is located on EPM 27522, part of GNM's Golden Ant Project in North Queensland (refer to Figure 3). To date, GNM has defined multiple zones of outcropping IRGS mineralisation at Douglas Creek (over 125ha), with rock chips of up to 13.9 g/t Au, 598 g/t Ag, 11.0% Cu, 4.7% Pb & 1.8% Bi, plus extensive associated geochemical soil anomalies.

340000mE 360000mE Gold Prospect EPM 27522 Antimony Prospect Great Northern Minerals ML Douglas Creek EPM 26637 Granted Au-Ag Prospect EPM 27522 Granted EPM 28301 Application EPM 28249 Application O Yellowjack Golden Ant Trend Clan Stewart (0 Windmill Annabelle - Red Ant Trend 0 Tara 🔾 O EPM 282 Valentine EPM 28301 Stibnite Hill Homestead 0 OClarke Reef Camel 0 Mt Jimmy Snippe EPM 26637 Sou'wester O -7910000mN EPM 26637 Sandy Gold Golden Cup Mine Sandy Camel

Annabelle Roadside Mount Dora ■ Kangaroo Hills Homestead Dora C EPM 2830 Blue Gol Snake Gully Angiang Trend -7900000mN **Blue Gold Trend** 10km

Figure 3 Douglas Creek Location



ENDS

This announcement has been authorised for release to the market by the Board of Great Northern Minerals Limited.

For more information please contact:

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About Great Northern Minerals Limited

Great Northern Minerals Limited is an ASX-listed gold focused explorer and developer. The Company's Golden Ant Project is located in Far North Queensland and includes the Amanda Bell and Big Rush Goldfields.

Total gold production from the Amanda Bell Goldfield was approximately 95,000 oz Au (57,000 oz from Camel Creek and 14,000 oz from Camel Creek satellite deposits, 18,000 oz from Golden Cup and 6,000 oz from Golden Cup satellite deposits). Total gold production from the Big Rush Goldfield was 60,000 oz Au. Three heap leach gold mines were operated (Camel Creek, Golden Cup and Big Rush). Mining activities commenced in 1989 and ceased in 1998 with the depletion of oxide gold mineralisation.

Great Northern Minerals aims to develop a new gold camp in North Queensland based on the Golden Ant Project.

Competent Persons Statement

The information in this report that relates to Exploration Results is based on information compiled under the supervision of Simon Coxhell, Non-Executive Director of Great Northern Minerals Limited and Consultant Geologist (CoxsRocks Pty Ltd). Mr. Coxhell is a member of the Australasian Institute of Mining and Metallurgy and has sufficient experience of relevance to the styles of mineralisation and type of deposit under consideration 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." Mr. Coxhell consents to the inclusion in this report of the matters based on his information in the form and context in which they appear.