

ASX Announcement 26 April 2022

March 2022 Quarterly Activities Report

Great Northern Minerals Limited ("Great Northern Minerals" or the "**Company**") (**ASX: GNM**) is pleased to provide shareholders its Quarterly Report for the three-month period ending 31 March 2022.

Quarter Highlights:

- High grade gold-antimony mineralisation intersected in Camel Creek RC drilling program
- Initial Camel Creek Mineral Resource Estimate (MRE) of 2.4Mt @ 2.6 g/t Au & 0.4% Sb (202,000 oz Au & 9,000 tonnes of antimony)
- Camel Creek contains a significant antimony component highlights opportunity to produce a high-value antimony concentrate
- 65% of Camel Creek MRE is located in the Hinge Zone open at depth and strike potential exists to significantly increase initial resource with further drilling
- Initial Camel Creek MRE drives a material increase in the Golden Ant Project MRE
- Updated Golden Ant Project MRE of 6.1Mt @ 2.0 g/t Au (386koz Au)
 - 111% increase in contained gold from 183 koz to 386 koz Au
 - 65% increase in overall resource tonnes from 3.7Mt to 6.1Mt
- Fully funded drill programs approved for 2022 aiming to further grow the resource base at Camel Creek and within the Golden Ant Project area
- Mr Donald Garner appointed as an advisor to the Board
- Established share sale facility for small shareholders who hold unmarketable parcels



1. Golden Ant Gold-Antimony Project

Great Northern Mineral's key project is the Golden Ant Gold-Antimony Project is located approximately 200km northwest of Townsville in Northern Queensland. The Project consists of the Amanda Bell Goldfield (Camel Creek and Golden Cup) and the Big Rush Goldfield which were mined from 1989 to 1998 producing approximately 150,000 oz Au.

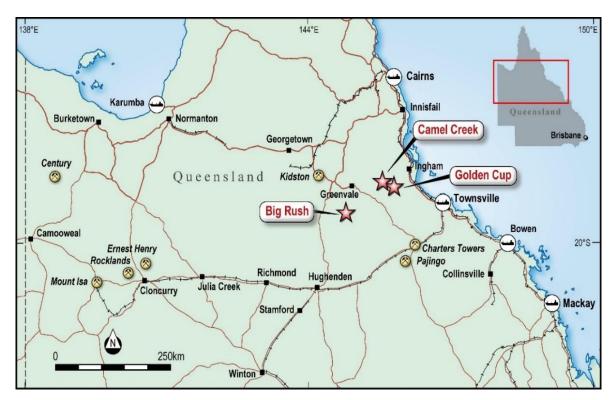


Figure 1 Golden Ant Gold-Antimony Project Location

GNM CEO & Managing Director, Cameron McLean said: "The March 2022 quarter has proved one of the most significant in the history of the company. GNM has more than doubled its gold resources as well as reporting 9,000 tonnes of the critical mineral antimony. GNM also welcomed experienced mining executive Mr Donald Garner as advisor to the Board. The company is well funded to continue to progress The Golden Ant project with a busy year ahead commencing with drilling at Golden Cup next month".



1.1. Camel Drilling Results

In February, Great Northern Minerals received diamond drilling results from the Golden Camel deposit at the Golden Ant Project in Far North Queensland. All four holes intersected gold-silver-antimony mineralisation, with CCRCD81 confirming the high-grade gold-silver-antimony Hinge Zone is open at depth.

A total of 484m of HQ diameter diamond drilling was completed with 508m of RC (reverse circulation) pre collars. The results of the drilling were used in the estimate of the initial Camel Creek Mineral Resource, delivered in March, and to plan the next round of drilling.

Table 1 Camel Creek Diamond Drilling Program - Material Intersections

Hole	From	То	Intercept	Au g/t	Ag g/t	Sb %
CCRCD55A	145.0	146.0	1.0	4.2	nm	nm
and	151.0	152.0	1.0	2.2	1	0.6%
CCRCD81	222.0	229.0	7.0	2.4	1	0.5%
inc	227.0	229.0	2.0	7.8	1	1.3%
and	241.0	253.0	12.0	2.4	2	0.1%
inc	252.0	253.0	1.0	19.6	5	1.6%
CCRCD91	252.0	253.0	1.0	2.5	2	nm
CCRCD92	164.0	165.0	1.0	3.6	2	0.2%
and	193.0	194.0	1.0	4.6	nm	nm

nm – assay below 0.5 g/t Ag and 0.1% Sb

True width is estimated to be approximately 2/3 of intersection width



1.2. Camel Creek Mineral Resource Estimate

During the quarter, Great Northern Minerals announced the initial Camel Creek Mineral Resource Estimate (MRE) of 2.4Mt @ 2.6 g/t Au & 0.4% Sb (202 koz Au & 9,000 tonnes Sb).

Table 2 Initial Camel Creek Mineral Resource Estimate (0.5 g/t Au cut-off grade)

		Classification	Tonnes	Gold	Antimony	Cont. Gold	Cont. Antimony
			(kt)	(g/t)	(Sb %)	(koz)	(tonnes)
Camel Creek		Indicated	1,440	2.7	0.4%	127	5,700
		Inferred	970	2.4	0.3%	75	3,300
		Sub Total	2,410	2.6	0.4%	202	9,000
T	Tonnages and grades are rounded. Discrepancies in totals may exist due to rounding						

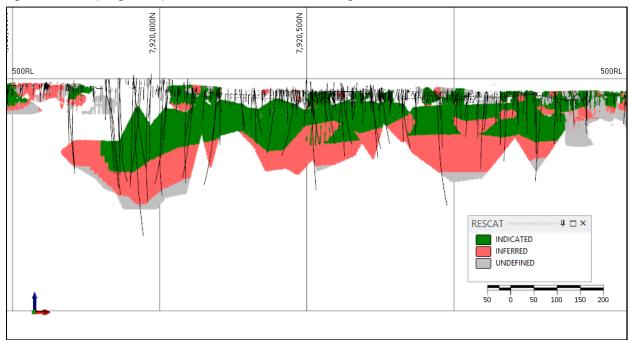
Tonnages and grades are rounded. Discrepancies in totals may exist due to rounding. Source: Widenbar & Associates 3 March 2022

The Camel Creek deposit lies wholly within Mining Leases MLs 10168, 10175 and 10192 which are held by Golden Ant Mining Pty Ltd. Great Northern Minerals Limited acquired 100% of the issued capital of Golden Ant Mining Pty Ltd in August 2020 and now holds a 100% interest in the Mining Leases. The Mining Leases are all granted.

Significant potential exists to Increase the Camel Creek MRE - to date, the majority of the Camel Creek Mineral Resource Estimate is located within the Hinge Zone (comprising 61% of the total resource by volume and 65% by tonnage, at 0.5 Au g/t cut-off).

The Hinge Zone is open at depth and strike and Great Northern Minerals intends to carry out a systematic drilling program in 2022 to target these potential extensions and to support the potential for a high grade UG mining operation.

Figure 2 Central (Hinge Zone) Area Resource Classification Long Section





1.3. Golden Ant Project Mineral Resource Estimate Update

The initial Camel Creek Mineral Resource Estimate (MRE) of 2.4Mt @ 2.6 g/t Au & 0.4% Sb (202koz Au & 9,000 tonnes Sb) has driven a material increase in the Golden Ant Project Mineral Resource to 6.1Mt @ 2.0 g/t Au (386koz Au).

Table 3 Golden Ant Project Mineral Resource (0.5 g/t Gold cut off grade)

	Resource	Tonnes	Gold	Antimony	Cont. Gold	Cont. Antimony
	Classification	(kt)	(g/t)	(Sb %)	(koz)	(tonnes)
Camel Creek (1)	Indicated	1,440	2.7	0.4%	127	5,700
	Inferred	970	2.4	0.3%	75	3,300
	Sub Total	2,410	2.6	0.4%	202	9,000
Big Rush (2)	Indicated	2,236	1.7	-	99	-
	Inferred	1,203	1.8	-	54	-
	Sub Total	3,439	1.8	-	153	-
Golden Cup (3)	Indicated	-	-	-	-	-
	Inferred	279	3.4	-	30	-
	Sub Total	279	3.4	-	30	-
Camel Creek		2,410	2.6	0.4%	202	9,000
Big Rush		3,439	1.8	-	153	-
Golden Cup		279	3.4	-	30	-
Golden Ant Project	Total	6,128	2.0	-	386	-

Tonnages and grades are rounded. Discrepancies in totals may exist due to rounding.

- (1) Widenbar & Associates 3 March 2022
- (2) Great Northern Minerals ASX release dated 21 February 2021
- (3) Great Northern Minerals ASX release dated 9 December 2019

The successful completion of the Camel Creek MRE supports the Golden Ant Scoping Study, designed to assess mining, metallurgical and environmental parameters of the project and to investigate and determine the optimum path forward to understand the potential economics of both the Camel Creek mineralised zones and also the potential integration of the entire Golden Ant project.

To date, Great Northern Minerals has completed Mineral Resource Estimates for its Camel Creek, Golden Cup and Big Rush deposits delivering a total Mineral Resource of 6.1Mt @ 2.0 g/t Au (386 koz Au). The Company believes that there is significant potential to increase this resource.

All deposits (Camel Creek, Golden Cup and Big Rush) are open at depth and strike and GNM intends to undertake targeted exploration at these deposits, targeting potential high-grade mineralisation at depth.

The Golden Cup deposit is only defined to 70 metres vertical depth and further deeper drilling at depth is likely to define additional mineralisation in this area.

Great Northern Minerals is currently planning a drilling program to test the Golden Cup depth extensions and this program is scheduled to commence in Q2 2022.



The Company controls the Amanda Bell Goldfield (which contains the Camel Creek and Golden Cup deposits). Historical mining operations were undertaken at multiple satellite deposits within the Goldfield (Red Gold, Mt Dora, Dora Creek, Beatrice, Blue Gold, AP Gold, Spartan and Dead Horse) (refer to Figure 3) which Great Northern Minerals controls but have not yet been able to access (subject to grant of tenements). There are a large number of undrilled targets and open-ended significant intersections underneath a number of the previously mined open pits.

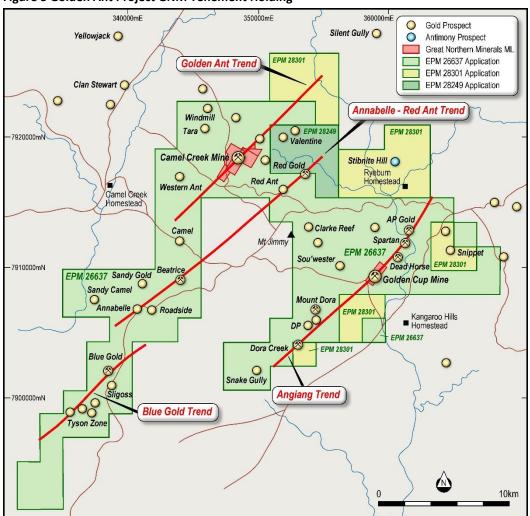


Figure 3 Golden Ant Project GNM Tenement Holding

Gold bearing oxide ore has been mined from open pits at these deposits and it is believed that there is the potential to define significant sulphide mineralisation (gold plus antimony) at a number of these deposits. EPM 26637 is expected to be granted imminently and this will allow Great Northern Minerals to commence work (exploration, resource estimation) on known historical mines, with the priority being the Red Gold deposit.



2. Corporate

2.1. Tranche 2 of Placement completed

During the March 22 quarter, Great Northern Minerals completed Tranche 2 of the placement (Placement) to raise \$3 million (before costs) as announced in the December 21 Quarter. Tranche 2 was conditional upon shareholder approval for the issue of 200,000,000 Placement shares and 40,000,000 Lead Manager Options.

The Company received shareholder approval at the General Meeting held on 14 January 2022 in which all resolutions were passed, and issued 200,000,000 fully paid ordinary shares pursuant to Tranche 2 of the Placement and 40,000,000 GNMOB Listed lead Manager Options on 19 January 2022.

2.2. Unmarketable Parcel Share Sale Facility

Great Northern Minerals established a share sale facility (Facility) for small shareholders who hold parcels of fully paid ordinary shares in the Company (Shares) valued at less than A\$500 as at 4:00pm (AWST) on Wednesday, 9 March 2022 (Record Date) (Unmarketable Parcel). The Facility is being established in accordance with the Company's constitution and the ASX Listing Rules.

Great Northern Minerals appreciates that Unmarketable Parcels can be difficult or expensive to sell, so the Company is offering the Facility to enable eligible shareholders who hold less than A\$500 worth of Shares to sell their Shares without having to act through a broker or pay brokerage or handling fees.

The Company will pay all costs associated with the sale and transfer of Shares through the Facility (excluding any tax consequences of the sale, which will be the responsibility of relevant shareholder).

The Facility, whilst benefitting small shareholders, will also benefit Great Northern Minerals as it is expected to significantly reduce the administration costs associated with maintaining a large number of small shareholdings on the Company's share register.

Based on the Share price at the close of trading on the Record Date of A\$0.006, a holding of 83,333 Shares or less constitutes an Unmarketable Parcel.

Shareholders holding an Unmarketable Parcel who wish to retain their shareholding in the Company need to give the share registry, Computershare Investor Services Pty Limited, written notice by returning the Retention Form by no later than 2:00pm (AWST) on 29 April 2022 or acquire additional Shares prior to that time such that their holdings comprise a marketable parcel, otherwise their Shares will be sold through the Facility.

Shareholders wishing to take advantage of the Facility and have their Shares sold do not need to take any action.

Great Northern Minerals has mandated CPS Capital Group Pty Ltd as the broker to facilitate the sale of the Unmarketable Parcels.



Great Northern Minerals will arrange to complete share sale process of Unmarketable Parcels as soon as practicable after the closing date for the Facility of 29 April 2022 and will forward all sale proceeds to participating shareholders as soon as practicable following the settlement.

2.3. Appointment of Experienced Executive Advisor

Great Northern Minerals has appointed Mr Donald Garner as an advisor to the Board. Mr Garner is a geologist with over 25 years' experience in the resources industry. His previous role was with Red River Resources (ASX: RVR) from 2014 to 2021, a Company he led as Managing Director before more recently moving to an Executive Director role where he was responsible for strategy and business development.

He delivered exceptional value for RVR shareholders, transforming RVR from a A\$1m ASX listed shell into a resource Company with a portfolio of operating assets (the Thalanga copper-lead-zinc mine in QLD and Hillgrove gold-antimony mine in NSW) and exploration projects, with a market capitalisation of A\$150m.

Prior to RVR, Mr Garner held other senior executive roles in the resource sector and worked in corporate finance (Metals & Mining, Deutsche Bank, London). He has worked as an exploration and mining geologist in Western Australia, Russia and Myanmar and has significant contacts and relationships with metallurgy and processing opportunities in Australia and overseas. In return for his services, Mr Garner will be granted 3,000,000 GNMOF Listed Options and 3,000,000 GNMOB Listed Options.

2.4. Cashflows for the quarter

Attached to this report is the Appendix 5B containing Company's cash flow statement for the quarter. During the quarter the Company expended \$195k on exploration and evaluation expenditure (Dec '21 quarter \$450k) which was primarily associated with the drilling program at Camel Creek. As reported above, the Company raised from tranche 2 of the placement \$1.20M this quarter less \$207k received in advance last quarter. Company's corporate and other expenditure costs totalled \$205k for the quarter which was offset by a refund from the ATO of \$178k, making the total \$27k expended for the current quarter (Dec' 21 Quarter \$241k).

Related party payments made to the related parties and their associates during the quarter totalled \$146k, also noted under item 6.1 of Appendix 5B, which includes the payments for salary, director's fees, consulting fees and superannuation paid during the quarter.

As at 31 March 2022, the Company held cash reserves of \$3,067,097.



2.5. March 2022 Quarter ASX Releases

This Quarterly Activities Report contains information extracted from ASX market announcements reported in accordance with the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (2012 JORC Code). Further details (including 2012 JORC Code reporting tables where applicable) of exploration results and mineral resource estimates referred to in this Quarterly Activities Report can be found in the following announcements lodged on the ASX:

Table 4 GNM ASX releases during the March 2022 Quarter

Date	Announcement
8 February 2022	Camel Creek drilling intercepts high grade gold and antimony
8 March 2022	Camel Creek delivers 202,000 oz Au and 9,000 tonnes antimony
22 March 2022	GNM appoints experience executive advisor
23 March 2022	Investor Presentation – Brisbane Mining Conference

These announcements are available for viewing on the Company's website www.greatnorthernminerals.com.au under the Investor Centre tab. Great Northern Minerals confirms that it is not aware of any new information or data that materially affects the information included in any original ASX announcement.

ENDS

This announcement has been authorised 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 plus 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.



Tenement information as required by Listing Rule 5.3.3

As of 31 March 2022, Great Northern Minerals had an interest in the following exploration permit minerals (EPM) and mining leases (ML) in Queensland, Australia.

Project	Tenement	Grant Date	Expiry Date	Change in Holding	Current Interest
Golden Ant – Big Rush	EPM27283	10-12-2019	09-12-24	-	100%
Golden Ant – Big Rush	ML10168	04-05-1995	31-05-25	-	100%
Golden Ant – Big Rush	ML10175	04-08-1994	31-08-23	-	100%
Golden Ant – Big Rush	ML10192	07-09-1995	30-06-22	-	100%
Golden Ant – Golden Cup	ML4536	22-02-1990	31-12-29	-	100%
Golden Ant – Camel Creek	ML4522	15-12-1988	31-12-29	-	100%
Golden Ant – Camel Creek	ML4523	15-12-1988	31-12-29	-	100%
Golden Ant – Camel Creek	ML4524	15-12-1988	31-12-29	-	100%
Golden Ant – Camel Creek	ML4525	15-12-1988	31-12-29	-	100%
Golden Ant – Camel Creek	ML4534	15-12-1988	31-12-29	-	100%
Golden Ant – Camel Creek	ML4540	16-08-1990	31-12-29	-	100%
Golden Ant – Camel Creek	ML6952	07-11-1991	31-12-29	-	100%
Black Mountain	EPM27522	30-11-2020	30-11-25	-	100%
Kangaroo Hills	EPM26637*	Application Only*	-	-	-
Red Mountain	EPM28249	Application Only	-	-	100%-

^{*}Application only – part of Joint Venture with NorthX Pty Ltd.

Appendix 5B

Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Name of entity

Great Northern Minerals Limited and its Controlled Entities						
ABN Quarter ended ("current quarter")						
22 000 002 111	31 March 2022					
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Con	solidated statement of cash flows	Current quarter \$A'000	Year to date (9 months) \$A'000
1.	Cash flows from operating activities		
1.1	Receipts from customers		-
1.2	Payments for		
	(a) exploration & evaluation (if expensed)	(195)	(1,258)
	(b) development	-	-
	(c) production	-	-
	(d) staff costs	-	-
	(e) administration and corporate costs	(27)	(410)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	-	-
1.5	Interest and other costs of finance paid	-	-
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	-	-
1.8	Other (Provide details if material)	-	-
1.9	Net cash from / (used in) operating activities	(222)	(1,668)

2.	Ca	sh flows from investing activities
2.1	Pay	yments to acquire:
	(a)	entities
	(b)	tenements
	(c)	property, plant and equipment
	(d)	exploration & evaluation (if capitalised)
	(e)	investments
	(f)	other non-current assets

Con	solidated statement of cash flows	Current quarter \$A'000	Year to date (9 months) \$A'000
2.2	Proceeds from the disposal of:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) investments	-	-
	(e) other non-current assets	-	-
2.3	Cash flows from loans to other entities	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Other (provide details if material)	-	-
2.6	Net cash from / (used in) investing activities	-	-

3.	Cash flows from financing activities		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	1,200	3,000
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	-	-
3.4	Transaction costs related to issues of equity securities or convertible debt securities	(66)	(161)
3.5	Proceeds from borrowings	-	-
3.6	Repayment of borrowings	-	-
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other (provide details if material) Share capital received in advance, capital issued in Jan 22	(207)	-
3.10	Net cash from / (used in) financing activities	927	2,839

4.	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of period	2,362	1,896
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(222)	(1,668)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	-	-

Con	solidated statement of cash flows	Current quarter \$A'000	Year to date (9 months) \$A'000
4.4	Net cash from / (used in) financing activities (item 3.10 above)	927	2,839
4.5	Effect of movement in exchange rates on cash held	-	-
4.6	Cash and cash equivalents at end of period	3,067	3,067

5.	Reconciliation of cash and cash equivalents at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	Current quarter \$A'000	Previous quarter \$A'000
5.1	Bank balances	3,024	2,319
5.2	Call deposits	43	43
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
5.5	Cash and cash equivalents at end of quarter (should equal item 4.6 above)	3,067	2,362

6.	Payments to related parties of the entity and their associates	Current quarter \$A'000
6.1	Aggregate amount of payments to related parties and their associates included in item 1	146
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-

Note: if any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a description of, and an explanation for, such payments

The amounts reported in item 6.1 relate to payments made to Directors, including salary, non-executive fees and superannuation for the quarter.

7.	Financing facilities Note: the term "facility' includes all forms of financing arrangements available to the entity. Add notes as necessary for an understanding of the sources of finance available to the entity.	Total facility amount at quarter end \$A'000	Amount drawn at quarter end \$A'000		
7.1	Loan facilities	-	-		
7.2	Credit standby arrangements	-	-		
7.3	Other (please specify)	-	-		
7.4	Total financing facilities	-	-		
7.5	Unused financing facilities available at qu	uarter end			
7.6	Include in the box below a description of each rate, maturity date and whether it is secured facilities have been entered into or are proposinclude a note providing details of those facilities.	or unsecured. If any add sed to be entered into af	nsecured. If any additional financing to be entered into after quarter end,		

8.	Estimated cash available for future operating activities	\$A'000	
8.1	Net cash from / (used in) operating activities (Item 1.9)	(222)	
8.2	Capitalised exploration & evaluation (Item 2.1(d))	-	
8.3	Total relevant outgoings (Item 8.1 + Item 8.2)	(222)	
8.4	Cash and cash equivalents at quarter end (Item 4.6)	3,067	
8.5	Unused finance facilities available at quarter end (Item 7.5)	-	
8.6	Total available funding (Item 8.4 + Item 8.5)	3,067	
8.7	Estimated quarters of funding available (Item 8.6 divided by	14	

- 8.8 If Item 8.7 is less than 2 quarters, please provide answers to the following questions:
 - 1. Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not?

Answer:

2. Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful?

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3. Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?

Answer:			

Compliance statement

- 1 This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.
- 2 This statement gives a true and fair view of the matters disclosed.

Date: 26 April 2022

Authorised by: By the Board of Great Northern Minerals Limited (Name of body or officer authorising release – see note 4)

Notes

- 1. This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.
- 2. If this quarterly cash flow report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, AASB 6: Exploration for and Evaluation of Mineral Resources and AASB 107: Statement of Cash Flows apply to this report. If this quarterly cash flow report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standards apply to this report.
- 3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.
- 4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [name of board committee eg Audit and Risk Committee]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee".
- 5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's *Corporate Governance Principles and Recommendations*, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.