

26 JULY 2022

ASX ANNOUNCEMENT

ASX: TMG

Quarterly Activities Report for the Period ended 30 June 2022

2022 exploration field season commences at Lake Throssell SOP Project, as Pre-Feasibility Study progresses with successful evaporation trial completed. Global supply chain dislocation continues to underpin high SOP prices

Highlights

Lake Throssell Sulphate of Potash (SOP) Project

Exploration & Resource Definition

- Heritage Clearance Survey carried out with the Ngaanyatjarra Community.
- Field crews mobilised to site subsequent to the end of the Quarter and commenced site access works for planned drilling programs commencing later in Q3.

Pre-Feasibility Study (PFS)

- Two new tenement applications to the north of Lake Throssell were submitted targeting prospective sources of groundwater supply.
- A successful sighter evaporation trial was completed, with the results to be used in the early stages of the Pre-Feasibility Study to estimate the required pond areas and layout.
- A bulk evaporation trial will commence in Q3 to produce mixed potassium salts for processing test work and to produce an export-quality SOP sample for off-take discussions.

Project Approvals

A flora and vegetation supplementary autumn field survey was completed.

Lake Yeo SOP Project

 Trigg was awarded an allocation of up to \$180,000 in the Western Australian Government Co-Funded Exploration Scheme for up to 50% of the project's initial air-core drilling program, subject to conditions.

Macro Environment and SOP Market

• Sulphate of Potash prices have remained steady throughout the Quarter at over US\$1,100/t, approximately twice the long-term price assumption in the Lake Throssell Scoping Study which assumed a price of US\$550/t. This is driven by continued dislocation of global supply chains.

Corporate

Cash at the end of the Quarter was \$4.8 million.



Trigg Mining's Managing Director, Keren Paterson, commented: "The June Quarter has been another busy and successful period for Trigg, with substantial progress achieved at project level.

"The completion of the heritage clearance survey paves the way for our 2022 field season activities including establishing new access tracks in preparation for air-core and water-bore drilling, with the results of these programs to underpin the estimation of the Project's Initial Ore Reserve.

"The successful sighter test-work program completed during the Quarter paves the way for a bulk evaporation trial and the first sample of sulphate of potash to be produced from the Project to determine the processing plant design and for discussions and analysis with potential off-take partners.

"At the macro-level, the outlook for the SOP sector has also never been stronger. Given the current and potential geopolitical disruptions to global fertiliser supply chains, the opportunity for Trigg to develop a new long-life, environmentally friendly SOP production hub in Western Australia, and play a pivotal role in helping to meet the challenges of global food security, has never looked more compelling."

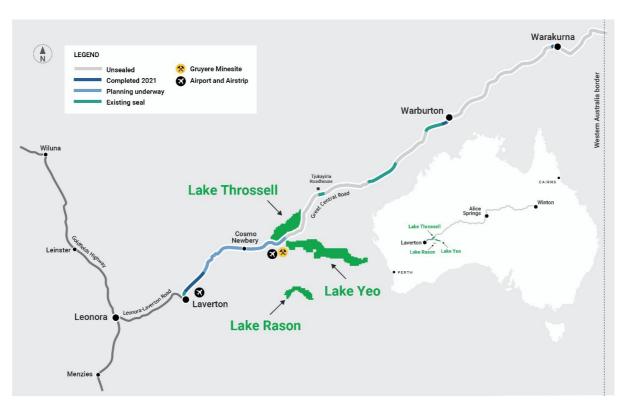


Figure 1: Location of Trigg Mining's Sulphate of Potash Projects showing established infrastructure and project locations

Lake Throssell Sulphate of Potash Project

100% Trigg

The Lake Throssell SOP Project (Figure 1) covers an area of 1,085km² approximately 170km east of Laverton, Western Australia. The Project contains a total drainable Mineral Resource Estimate (MRE) of 14.4Mt of SOP, plus an additional Exploration Target. The October 2021 Scoping Study outlined an initial 21-year mine life with forecast production of 245,000tpa SOP in the lowest cost-quartile, which would position Trigg as a potential top-10 global SOP producer.

Exploration and Resource Definition

During the Quarter a heritage clearance survey was conducted with the Ngaanyatjarra Community. The survey cleared the planned field work for 2022 including the establishment of new access tracks, air-core and water-bore drilling programs and a temporary exploration camp. The survey also covered the proposed geotechnical studies to be undertaken as part of the Pre-Feasibility Study.

A Deed of Agreement for Mineral Exploration and Land Access with the Yilka Talintji (Aboriginal Corporation) RNTBC was executed for E38/3544. This agreement enables an extension of exploration activities over the south-western portion of Lake Throssell and completes the Access Agreements for the Lake Throssell Mineral Resource and Exploration Target areas.

Following the end of the Quarter, field crews mobilised to site and started to establish access tracks (Figure 2) in preparation for the air-core drilling, which will refine the locations for the test production bores and provide additional geological and brine chemistry data.

The water-bore drilling will also provide the Project's first test-production bores, with the data collected from pumping trials to underpin an initial Ore Reserve estimate.



Figure 2: Establishing causeways for 2022 drilling campaign

Pre-Feasibility Study

Process Water

Desktop assessments have indicated prospective areas for a groundwater supply needed in the refining process following the evaporation and crystallization of the potassium-rich feed salts. During the Quarter, two Exploration Tenement Applications (E38/2745-6) were submitted for targeting prospective sources of groundwater supply (Figure 3).

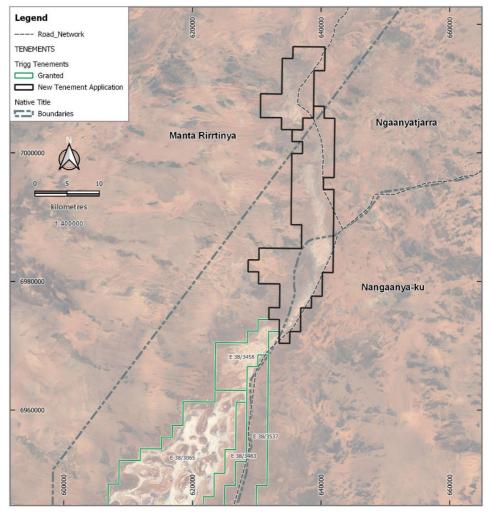


Figure 3: Water exploration tenement applications

Process Flowsheet

A successful sighter evaporation trial (Figures 4, 5 & 6) was undertaken on a representative sample of brine and reported subsequent to Quarter-end (ASX Announcement dated 18 July 2022).

The results of the trial will assist with the design of a bulk evaporation trial to commence during Q3. The test-work also provides the baseline data for an initial Dynamic Mass Balance Pond Model that will be used in the early stages of the PFS engineering to generate a preliminary mass balance, estimate the required pond areas, as well as the required number and layout of the ponds.

The bulk trial aims to produce several mixed potassium salt (KTMS) samples for processing test work to produce an export-quality SOP product for engaging with and analysis by potential off-take partners.

This next phase will also evaluate the possibility of producing other salt precipitates from the brine such as magnesium sulphate.



Figure 4: Test rig



Figure 5: Agitation and probes



Figure 6: Recovered potassium salts

Alternative Process Flowsheets

Trigg has observed the commissioning delays and ramp-up challenges encountered by the first movers in the nascent Australian SOP industry. Some of these difficulties have been observed in managing of the final stages of the evaporation process to produce sufficient quantities and feed-grade of potassium salts or "ore" for the process plant.

It has also been observed that other projects around the world have established the evaporation process successfully, but it is acknowledged that it takes a period of time to establish equilibrium as the projects are scaled up from small-scale field trials to full-scale commercial production.

In response to the challenges faced by the first-movers, Trigg, as part of the ongoing PFS, is investigating alternatives aimed at derisking the pond evaporation process and exploring other methods of optimising the natural endowment of the Project.

Relevant studies commenced during the Quarter including the assessment of alternative extraction techniques that may achieve increased reliability of the potassium mixed salts crystallisation process.

These studies are in the early assessment stage, but they have the potential to increase the reliability of the production of process, should they prove to be technically and economically feasible.

Environmental Approvals

Exploration

Two approval applications for exploration activities were submitted during the Quarter, including:

- Programme of Works application under the Mining Act 1978 for multiple exploration activities at Lake Throssell, including air-core drilling, access tracks, camp sites, laydown, additional causeway and geotechnical assessment.
- Application for a 26D permit under the Rights in Water and Irrigation Act 1914 to enable installation of groundwater bores at Lake Throssell.

Project Approvals

The Lake Throssell SOP Project will require assessment under Part IV of the *Environmental Protection Act 1986* (WA) (EP Act). Trigg commenced baseline environmental assessments to support this approvals process in April 2021.

During the Quarter, field environmental assessments included a supplementary flora and vegetation assessment by Maia Environmental Consultancy.

A summary of all baseline assessments completed to date, and the planned additional assessments required to meet regulatory requirements is provided in Table 1.

Table 1: Status of Baseline Assessments

	Completed	2022 CY Q3	Future Studies
Environment	 ✓ Detailed vegetation & flora assessment – main project area (MPA) ✓ Detailed terrestrial fauna assessment – MPA ✓ Aquatic ecology assessment – dry conditions ✓ Short range endemic (SRE) – desktop assessment ✓ Subterranean fauna – desktop assessment ✓ Prelim groundwater modelling 	 Archaeological and Ethnographical surveys Soils, landform and acid sulphate soils assessment 	 Vegetation and flora – borefield Terrestrial fauna – borefield Targeted Tecticornia survey Targeted Night Parrot survey Aquatic ecology assessment – inundated conditions SRE field survey Subterranean fauna field survey Hydrogeological assessment Surface water assessment Greenhouse gas assessment Halite pond closure assessment
Cultural Heritage	✓ Desktop cultural heritage assessment✓ Three heritage clearance surveys		Archaeological and ethnographical assessments

Lake Yeo Sulphate of Potash Project

100% Trigg Mining

The Lake Yeo SOP Project lies from 35km to the south of the Lake Throssell SOP Project and covers an area of 1,915km², with over 200km² of playa area. Within the granted tenements, the interpretation of a recent gravity survey suggests the presence of an 80km long palaeovalley target, up to 3.5km wide (Figure 7).

Trigg received an allocation of up to \$180,000 from the Western Australian Government's Exploration Incentive Scheme to co-fund a planned air-core drilling program. Funding is received upon completion of the air-core drilling program which must be completed by 31 May 2023.

Planning is underway for a heritage survey with the Nangaanya-ku, the Traditional Owners of this area to prepare for field activities.

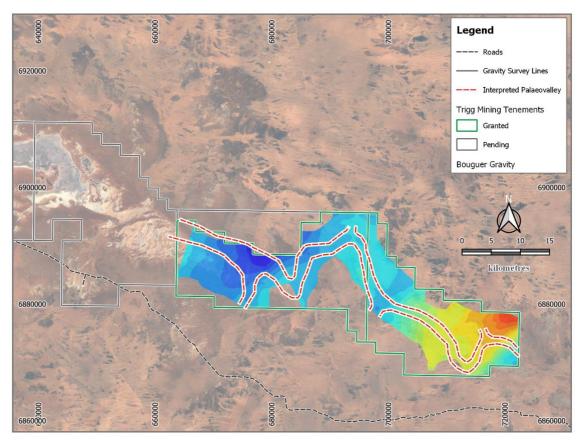


Figure 7: Lake Yeo SOP Project Bouguer Gravity survey and Interpreted palaeovalley

Macro Environment and SOP Market¹

Food Insecurity is dominating headlines around the world. According to the World Bank:

"Record high food prices have triggered a global crisis that will drive millions more into extreme poverty, magnifying hunger and malnutrition, while threatening to erase hard-won gains in development. The war in Ukraine, supply chain disruptions, and the continued economic fallout of the COVID-19 pandemic are reversing years of development gains and pushing food prices to all-time highs."

Food prices were already high, and the Russian/Ukraine war is driving food prices even higher. Commodities that have been most affected are grains, edible oils, and fertilisers. Global food prices face further upward pressure due to grain supply shortages, higher energy prices, higher fertiliser prices (SOP has doubled in price in 12 months) and trade disruptions.

Following the start of the war in Ukraine, trade-related policies imposed by countries have surged including food trade restrictions with the goal of increasing domestic supply and reducing prices. As of 15 July 2022, 18 countries have implemented 27 food export bans, and seven have implemented 11 export-limiting measures.

This is further exacerbated by sanctions against two of the world's largest fertiliser suppliers, Belarus and Russia.

On 18 May 2022 the World Bank responded with up to \$30 billion in funding to address global food insecurity. This financing is said to include efforts to encourage food and fertiliser production, enhance food systems and facilitate greater trade.

The United States Department of Agriculture (USDA) has allocated US\$250M this year to support independent, innovative and sustainable American fertiliser production to supply American farmers. Additionally, to address growing competition concerns in the agricultural supply chain, the USDA intends to launch a public inquiry seeking information regarding seeds and agricultural inputs, fertilizer, and retail markets.²

Against this backdrop, the sulphate of potash price has remained strong at around US\$1,100/t, twice the price assumed in the Lake Throssell Scoping Study (up from US\$550/t).

Australia

During the Quarter, Australian's began to feel the impact of global events on the cost of fresh produce – the \$10 iceberg lettuce and the "KFC cabbage-gate" being two of the novel but very real examples. These are outcomes of a wide number of contributing factors increasing input costs and affecting supply. According to the World Bank, these issues are not going away any time soon.

¹ The World Bank: Food Security Update, 15 July 2022 and Commodity Market Outlook: The Impact of the War In Ukraine on Commodity Markets, April 2022.

² https://www.usda.gov/media/press-releases/2022/03/11/usda-announces-plans-250-million-investment-support-innovative

Australia is the world's 5th largest net-importer of fertilisers, behind Brazil, India, United States and France³. This makes Australia's Agriculture sector, and national food security, vulnerable to trade disruptions.

When it comes to potassium, one of the four macro nutrients essential for plant growth, Australia currently imports 100% of its potash needs, creating an ideal opportunity for Trigg's Lake Throssell SOP Project.

During the Quarter the Western Australian Government determined a royalty rate of 5% is applicable to sulphate of potash "based on the processing for SOP being equivalent to a concentrate and SOP being a high-value mineral product." It is noted that this is in direct contradiction to early communication with the sector that, as SOP is a salt, the royalty rate would be "Amount A" in the Western Australian Mining Regulations, which is currently \$0.73. A sensitivity analysis of the impact of such an increase was considered in the Lake Throssell Scoping Study, (ASX Announcement 5 October 2021).

Corporate

Finance

At 30 June 2022, the Company held \$4.8 million in cash and cash equivalents (FY22 Q3: \$6.1 million) following payments for exploration and evaluation expenditure of \$0.7 million (FY22 Q3: \$0.3 million) during the Quarter.

Appointments

Jenny Cookson, an experienced environmental management specialist was appointed Manager Environment and Community. Jenny has over 17 years' experience in environmental management roles within government and mining and is an accredited ISO environmental auditor.

Payments to related parties of the entity

During the Quarter the Company paid salaries, fees and superannuation of \$0.1 million to its Directors.

This announcement was authorised to be given to ASX by the Board of Directors of Trigg Mining Limited.

Keren Paterson

Managing Director & CEO Trigg Mining Limited

Keren Paterson

³ Oxford Analytica; Fertiliser supply – Russia/Ukraine Focus, 2022

For more information please contact:

Keren PatersonManaging Director

Trigg Mining Limited (08) 6114 5685 info@triggmining.com.au

Nicholas Read Investor and Media Relations

Read Corporate (08) 9388 1474 nicholas@readcorporate.com.au

Forward Looking Statements

This report contains forward-looking statements that involve several risks and uncertainties. These forward-looking statements are expressed in good faith and believed to have a reasonable basis. These statements reflect current expectations, intentions or strategies regarding the future and assumptions based on currently available information. Should one or more of the risks or uncertainties materialise, or should underlying assumptions prove incorrect, actual results may vary from the expectations, intentions and strategies described in this announcement. No obligation is assumed to update forward looking statements if these beliefs, opinions, and estimates should change or to reflect other future developments.

Competent Persons Statement

For information referring to the exploration results in this document, refer to ASX announcements dated 5 October 2021 and 21 March 2022. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and, in the case of estimates of Mineral Resources, Exploration Target or Ore Reserves that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement 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 have not been materially modified from the original market announcements; and that the information in the announcement relating to exploration results is based upon, and fairly represents the information and supporting documentation prepared by the named Competent Persons.





Schedule of Tenements

as at 30 June 2022

Tenement Number	Location	Registered Owner/Applicant	Status	Interest
E38/3065	Lake Throssell	K2O Minerals Pty Ltd	Granted	100%
E38/3458	Lake Throssell	K2O Minerals Pty Ltd	Granted	100%
E38/3483	Lake Throssell	K2O Minerals Pty Ltd	Granted	100%
E38/3537	Lake Throssell	K2O Minerals Pty Ltd	Granted	100%
E38/3544	Lake Throssell	K2O Minerals Pty Ltd	Granted	100%
E38/3745	Lake Throssell	K2O Minerals Pty Ltd	Application	100%
E38/3746	Lake Throssell	K2O Minerals Pty Ltd	Application	100%
E38/3610	Lake Yeo	K2O Minerals Pty Ltd	Granted	100%
E69/3851	Lake Yeo	K2O Minerals Pty Ltd	Granted	100%
E38/3607	Lake Yeo	K2O Minerals Pty Ltd	Application	100%
E38/3608	Lake Yeo	K2O Minerals Pty Ltd	Application	100%
E38/3724	Lake Yeo	K2O Minerals Pty Ltd	Application	100%
E38/3089	Lake Rason	K2O Minerals Pty Ltd	Granted	100%
E38/3437	Lake Rason	K2O Minerals Pty Ltd	Granted	100%
E38/3464	Lake Rason	K2O Minerals Pty Ltd	Granted	100%

Interests in Mining Tenements Acquired or Increased

for the Quarter ended 30 June 2022

Tenement Number	Location	Nature of Interest	Interest at beginning of quarter	Interest at end of quarter	Note
E38/3745	Lake Throssell	Application	0%	100%	-
E38/3746	Lake Throssell	Application	0%	100%	-

Interests in Mining Tenements Lapsed, Relinquished or Reduced

for the Quarter ended 30 June 2022

Tenement Number	Location	Nature of Interest	Interest at beginning of Quarter	Interest at end of Quarter	Note
Nil					

Appendix 5B

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

Name of entity

Trigg Mining Limited (ASX:TMG)			
ABN Quarter ended ("current quarter")			
26 168 269 752	30 June 2022		

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (12 months) \$A'000
1.	Cash flows from operating activities		
1.1	Receipts from customers	-	-
1.2	Payments for		
	(a) exploration & evaluation	(716)	(2,088)
	(b) development	-	-
	(c) production	-	-
	(d) staff costs	(207)	(755)
	(e) administration and corporate costs	(318)	(1,334)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	1	4
1.5	Interest and other costs of finance paid	-	-
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	-	1,118
1.8	Other – GST Refund	(16)	153
1.9	Net cash from / (used in) operating activities	(1,256)	(2,902)

)	Cash flows from investing activities	
2.1	Payments to acquire or for:	
	(a) entities	-
	(b) tenements	-
	(c) property, plant and equipment	-
	(d) exploration & evaluation	-
	(e) investments	-
	(f) other non-current assets	-

ASX Listing Rules Appendix 5B (17/07/20)

Con	solidated statement of cash flows	Current quarter \$A'000	Year to date (12 months) \$A'000
2.2	Proceeds from the disposal of:		
	(a) entities	-	-
	(b) tenements	-	100
	(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	-	83

3.	Cash flows from financing activities		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	4,000
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	-	10
3.4	Transaction costs related to issues of equity securities or convertible debt securities	(15)	(448)
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)	-	-
3.10	Net cash from / (used in) financing activities	(15)	3,562

4.	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of period	6,118	4,104
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(1,256)	(2,902)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	-	83
4.4	Net cash from / (used in) financing activities (item 3.10 above)	(15)	3,562

ASX Listing Rules Appendix 5B (17/07/20) + See chapter 19 of the ASX Listing Rules for defined terms.

Con	solidated statement of cash flows	Current quarter \$A'000	Year to date (12 months) \$A'000
4.5	Effect of movement in exchange rates on cash held	-	-
4.6	Cash and cash equivalents at end of period	4,847	4,847

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	4,827	6,098
5.2	Call deposits	20	20
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)	4,847	6,118

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	149
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-
Note: i	if any amounts are shown in items 6.1 or 6.2 your quarterly activity report must includ	le a description of and an

Note: if any amounts are shown explanation for, such payments.

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 quarter end			
7.6	Include in the box below a description of each facility above, including the lender, interest rate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.			

8.	Estimated cash available for future operating activities	\$A'000
8.1	Net cash from / (used in) operating activities (item 1.9) (Note cash inflows from Government Grants and tax incentives has been excluded)	(1,256)
8.2	(Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	-
8.3	Total relevant outgoings (item 8.1 + item 8.2)	(1,256)
8.4	Cash and cash equivalents at quarter end (item 4.6)	4,847
8.5	Unused finance facilities available at quarter end (item 7.5)	-
8.6	Total available funding (item 8.4 + item 8.5)	4,847
8.7	Estimated quarters of funding available (item 8.6 divided by item 8.3)	3.9

Note: if the entity has reported positive relevant outgoings (ie a net cash inflow) in item 8.3, answer item 8.7 as "N/A". Otherwise, a figure for the estimated quarters of funding available must be included in item 8.7.

8.8 If item 8.7 is less than 2 quarters, please provide answers to the following questions:

8.8.1 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: Not applicable

8.8.2 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?

Answer: Not applicable

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

Answer: Not applicable

Note: where item 8.7 is less than 2 quarters, all of questions 8.8.1, 8.8.2 and 8.8.3 above must be answered.

Compliance statement

- 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 July 2022

Authorised by: Board of Directors

(Name of body or officer authorising release - see note 4)

Notes

- 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.
- 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.