



BLACK CANYON

DECEMBER QUARTERLY REPORT



31 January 2023

ASX:BCA

Mineral Resource increased by 64%, HPMSM achieved and 75% interest earned in the Carawine JV

CARAWINE JV

- Mining Lease application submitted over the Flanagan Bore deposits with commencement of environmental baseline studies and hydrological investigations
- Assay results from infill mineral resource reverse circulation (RC) drilling undertaken at Flanagan Bore in May and June has delivered a 64% boost to the Mineral Resource Estimate increasing it to 171Mt @ 10.3% Mn for 18Mt of contained manganese (Indicated and Measured)

DOWNSTREAM STRATEGY

- Initial manganese oxide leaching testwork delivered highly promising results, achieving up to 91% Mn leach extraction
- High Purity Manganese Sulphate Monohydrate (HPMSM) crystallised achieving 32.3% Mn which is equivalent to greater than 99% Mn purity
- HPMSM strategy advancing to scoping level with ongoing battery grade purification testwork

CORPORATE

- Black Canyon has satisfied the A\$4m expenditure commitment to earn a 75% interest in the Carawine JV
- Cash position of \$2.2m at 31 December 2022

Australian manganese explorer, Black Canyon Limited (**Black Canyon** or the **Company**) (ASX:BCA), is pleased to release its quarterly activities report for the three months to 31 December 2022.

Commenting on activities completed during the December quarter, Black Canyon's Executive Director, Brendan Cummins, said *"The December quarter closed out a number of significant achievements for the Company as we progress our twin strategy to develop a downstream processing flowsheet to produce HPMSM for the cathode active materials (CAM) utilised in EV batteries and develop an operation at Flanagan Bore for manganese concentrate required for the steel alloying industry."*

"The Mineral Resource upgrade at Flanagan Bore with a higher grade zone provides a solid platform for mining in the early years, maximising potential cashflow during the start-up phases of a mining operation."

ASX Code: **BCA**

Registered Address
283 Rokeby Road
Subiaco, WA, 6008

Telephone: +61 8 9426 0666
Email: info@blackcanyon.com.au
Website: www.blackcanyon.com.au

A mining license application was also lodged in addition to the commencement of supporting baseline environmental studies. More detailed metallurgical studies also kicked off with the aim to produce a consistent high quality manganese concentrate using conventional dense media separation technology.”

“Finally we have been able to successfully demonstrate the leachability of manganese oxide ores from which we crystallised high-grade manganese sulphate with a 32.3% Mn content, which is highly comparable to the typical 32.2% Mn content of HPMSM. The next round of more detailed manganese sulphate testwork involves optimising the leaching and crystallisation process and will also include a critical purification phase required to remove other elemental impurities required by the CAM end users”

“The next 12 months will be transformational as Black Canyon continues to execute multiple activities across a number of work fronts to deliver a robust manganese mine Feasibility Study, continue exploration activities across its portfolio of tenements and scope the development of high purity manganese sulphate suitable for the electric vehicle industry”

ACTIVITIES REPORT

Black Canyon (ASX: BCA) is focused on manganese exploration and development in WA’s Pilbara region. The Company has a portfolio of tenements that are prospective for manganese mineralisation and hosts the large Flanagan Bore Mineral Resource.

Mineralisation includes both “Woodie-Woodie” hydrothermal (high-grade Mn) and “Supergene Balfour” style manganese deposits (medium-grade Mn/Fe).

Black Canyon has now earned 75% in the Carawine JV Project tenements. The Flanagan Bore Manganese Project is part of the Carawine JV and is subject to a joint venture agreement with Carawine Resources Ltd (ASX:CWX). The JV projects cover approximately 793km² of tenure located south of the operating Woodie-Woodie manganese mine, providing a large footprint in a proven and productive manganese belt.

The Company also holds a number of 100% owned tenements in northern WA, some of which have been recently granted. The land holdings controlled by Black Canyon now totals about 2,500km². Project locations are presented in Figure 1.

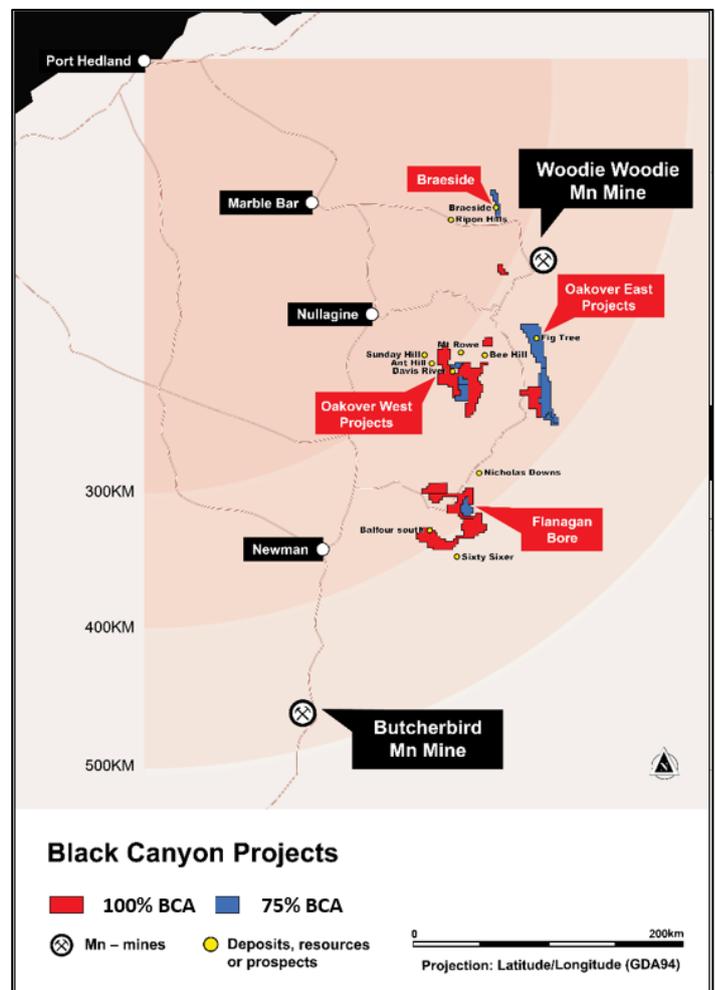


Figure 1. Black Canyon project locations

CARAWINE JV (Black Canyon 75%)

DISCOVERY OF THICK MANGANESE ENRICHED SHALE BETWEEN FLANAGAN BORE DEPOSITS

Black Canyon's May/June 2022 RC campaign included systematic drilling along a 2,000m long target located between the FB3 and LR1 deposits at Flanagan Bore, that discovered significant zones of manganese mineralisation from and close to surface.

As reported in October 2022, the higher-grade manganese enriched shale mineralisation shows similar key characteristics to the FB3 and LR1 deposits with strong grade and geological continuity. Significant results included:

- 27m @ 13.7% Mn from surface (FBRC305), including
 - 11m @ 15.0% Mn from 3m
- 39m @ 12.3% Mn from surface (FBRC306), including
 - 11m @ 14.9% Mn from 23m
- 39m @ 12.3% Mn from surface (FBRC317), including
 - 13m @ 15.5% Mn from 21m
- 42m @ 11.9% Mn from 1m (FBRC321), including
 - 13m @ 15.9% Mn from 25m
- 39m @ 12.2% Mn from 3m (FBRC330) until EOH
- 35m @ 13.2% Mn from 4m (FBRC345)

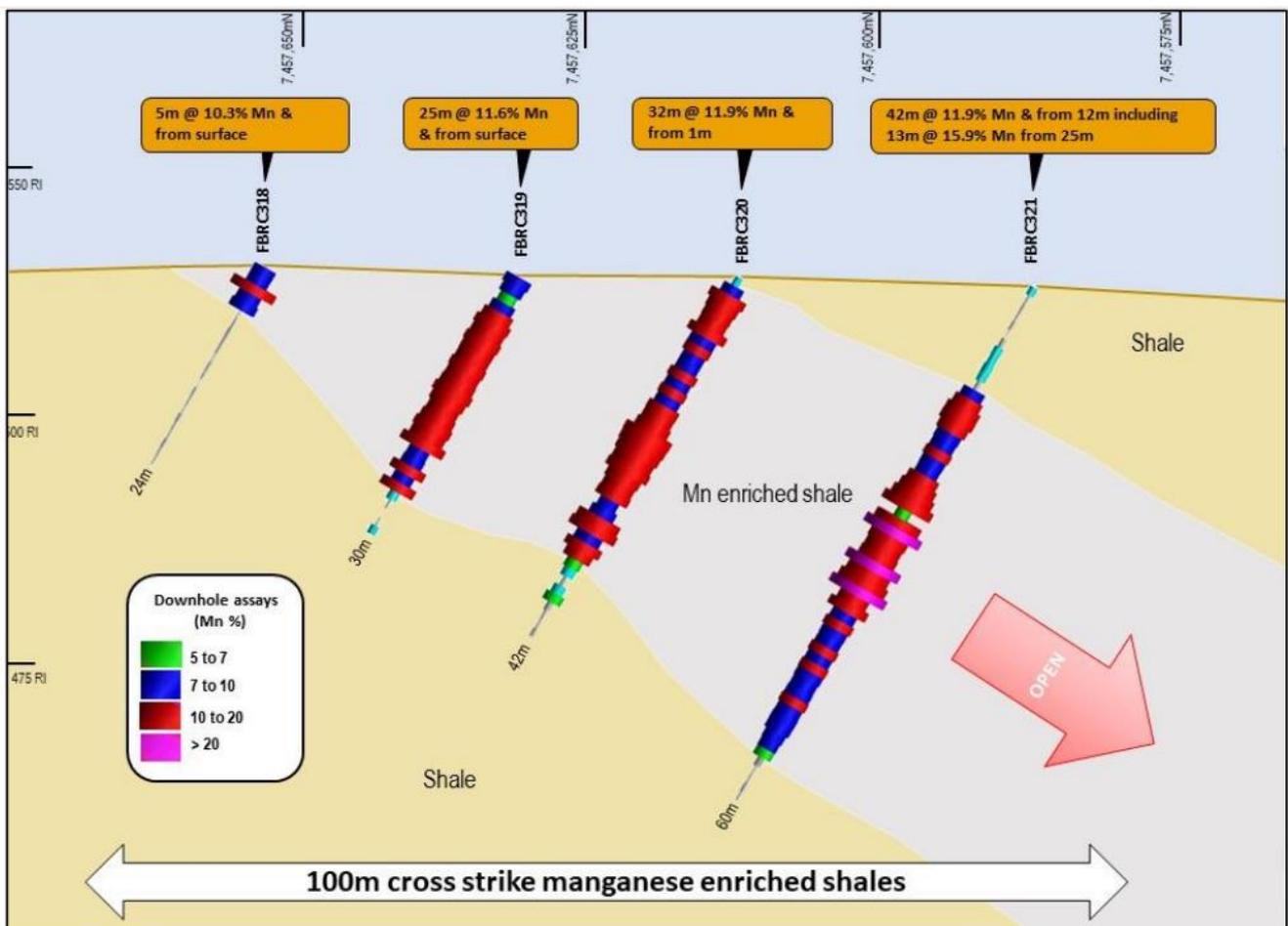


Figure 2. TF1 anomaly cross section showing significant results from the L1 – TF1 drill program (looking northeast)

FLANAGAN BORE MINERAL RESOURCE ESTIMATE INCREASED BY 64%

Following the receipt of assay results during the reporting period, Black Canyon was pleased to deliver a significant 64% increase in the Mineral Resource Estimate (MRE) for Flanagan Bore to 171Mt @ 10.3% Mn containing 18Mt of manganese (

Table 1).

This represents a substantial increase of 67Mt of total tonnage and 7Mt of contained manganese from the previous Mineral Resource, and firms up the Project's significance on a global scale which is further enhanced by its location in a Tier 1 mining jurisdiction.

Table 1. Summary of Mineral Resources for the FB3 and LR1 deposits at Flanagan Bore November 2022

Summary of Mineral Resources ^(1,3)							
Deposit	Mineral Resource Category	Material (Mt) ⁽²⁾	In Situ Mn (Mt)	Mn (%)	Fe (%)	Si (%)	Al (%)
FB3	Measured	52	6	10.5	10.4	16.9	4.3
LR1	Measured	47	5	10.3	8.4	16.7	4.6
Total	Measured	100	11	10.4	9.4	16.8	4.4
FB3	Indicated	63	6	10.0	9.6	16.8	4.4
LR1	Indicated	8	1	11.3	9.4	6.9	1.8
Total	Indicated	71	7	10.1	9.6	15.7	4.1
Grand Total		171	18	10.3	9.5	16.4	4.3

Notes:

- (1) Mineral Resources reported at a cut-off grade of 7% Mn
- (2) Appropriate rounding has been applied
- (3) Refer to JORC Table 1, Sections 1-3 and Appendix 1-3 within ASX announcement dated 24 November 2022 for further details

The MRE is based on drill holes on traverses completed on 100m spaced lines and 100m drill hole centres. The drill data shows manganese grades are strongly continuous downhole and across strike, which has significantly improved the confidence in the estimate and supports the Measured and Indicated Mineral Resource classification.

High-grade manganese mineralisation is encountered from surface at FB3 and LR1 with zones of continuous mineralisation typically between 20 to 40m thick.

High-Grade Manganese Mineral Resource

A shallow, high-grade subset of mineralisation has been delineated across the LR1 and FB3 Mineral Resources and presented in Table 2. At an elevated cut-off grade of 11% Mn the Mineral Resource estimate totals 40 Mt @ 13% Mn with 25 Mt @ 13.2% Mn now classified as Measured.

As the Company progresses the development and feasibility studies, having access to high grade manganese Mineral Resources from surface has the potential to add significant value.

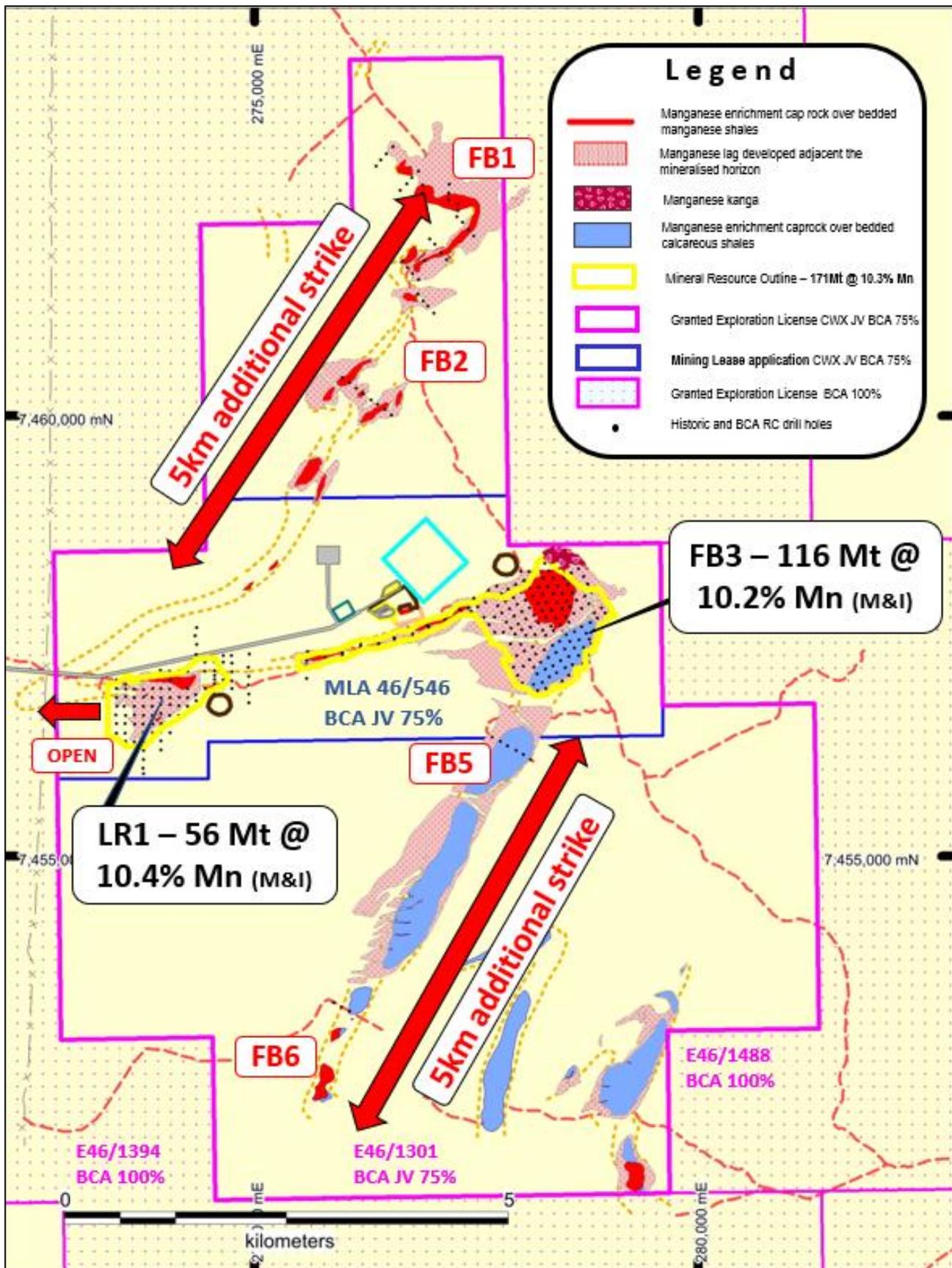


Figure 3. Flanagan Bore Project - FB3 & LR1 Mineral Resource outlines and future resource potential upside at FB1-FB2 and FB5-FB6

*Table 2. High-grade Zone Mineral Resource Estimate from the FB3 and LR1 deposits at Flanagan Bore
November 2022*

Summary of Mineral Resources ^(1,3)							
Deposit	Mineral Resource Category	Material (Mt) ⁽²⁾	In Situ Mn (Mt)	Mn (%)	Fe (%)	Si (%)	Al (%)
FB3	Measured	14	2	13.2	11.5	18.2	4.5
LR1	Measured	11	1	13.1	9.7	16.8	4.5
Total	Measured	25	3	13.1	10.7	17.5	4.5
FB3	Indicated	10	1	12.7	10.8	18.1	4.8
LR1	Indicated	5	1	12.9	9.9	6.1	1.6
Total	Indicated	15	2	12.8	10.5	14.5	3.8
Grand Total		40	5	13.0	10.6	16.4	4.3

Notes:

- (1) Mineral Resources reported at a cut-off grade of 11% Mn
- (2) Appropriate rounding has been applied
- (3) Refer to JORC Table 1, Sections 1-3 and Appendix 1-3 within ASX announcement dated 24 November 2022 for further details

MINING LEASE APPLICATION SUBMITTED FOR FLANAGAN BORE

Black Canyon and JV partner Carawine Resources submitted an application for a Mining Lease (MLA46/546) over the Flanagan Bore manganese deposits that include FB3 and LR1 and also extending over the recent discoveries at L1 and TF1.

The application comprises 1,756Ha to ensure sufficient area is under tenure to locate the open pits, stockpiles, tails storage facility and build site infrastructure including roads, accommodation village, process plant, laydowns, offices and solar array.

Miscellaneous licenses will be lodged at the appropriate time to cover the mine access road, construction borrow pits and planned production water bore locations and supporting power and pipelines.

DETAILED METALLURGICAL PROGRAM

A total of four composites have been selected from 1.4t of PQ diamond core (whole core) from 10 drillholes drilled in December 2021 in preparation for more detailed metallurgical testwork to produce a manganese oxide concentrate.

This program will advance the findings from the initial sighter level testwork undertaken for the Scoping Study that examined both ore sorting and density separation techniques. It was concluded in the Scoping Study that density-based techniques offered a more robust and reliable processing route for the beneficiation of manganese enriched shales.

The drill core has been examined and composited into an LR1 upper, LR1 lower, FB3 and FB3 lower grade domains to examine variability in mineralisation style and grade across the various orebodies. The program of work planned includes comminution, scrubbing/screening, benchtop dense media assessments using heavy liquid separation and mineralogy.



BLACK CANYON

An area of focus is understanding the intensity of scrubbing and washing which from past testwork was able to significantly and effectively upgrade manganese content with the removal of clay/shale and some of the iron oxides.

The high-grade nature of the outcropping Flanagan Bore deposits supports a higher feed-grade which can be significantly upgraded with simple scrubbing and washing. This is a cost effective means of removing barren mass allowing density separation techniques to provide the final beneficiated grade increase.

HYDROLOGICAL INVESTIGATION

A total of nine exploration holes were drilled approximately 4-5km from the proposed ore processing facility located to the west of the FB3 deposit.

The area was targeted based on a review of the region to discover aquifers of sufficient size and recharge with adequate quality suitable for processing requirements. The holes were drilled into structurally dislocated carbonates units with five holes showing positive water supply indications.

As anticipated, a number of field water quality tests showed the water has low salinity and acceptable pH range. A number of the bore holes were converted to long term monitoring bores for the gathering of baseline data and will also enable future sampling for sub-terranean fauna for environmental impact studies.

Based on the encouraging results to date further hydrological drilling will be undertaken to delineate the aquifer potential of the carbonate units that will enable modelling to understand recharge and long-term sustainability of supply.

ENVIRONMENTAL AND SOCIAL STUDIES

With the lodging of the Mine Lease application Black Canyon has engaged Preston Consulting to provide advice on project approval pathway and management of key consultants. In preparation for future discussions with the environmental regulators the gathering of baseline and approval information has commenced.

The Company has also directly engaged a number of primary consultants who specialise in the design and implementation of studies across the disciplines of flora/vegetation, fauna (subterranean and terranean) hydrology and social surroundings. As of the end of the reporting period, desktop and field based environmental studies have been initiated with more detailed field surveys planned after the wet season in Q2/Q3 2023.

OAKOVER EAST PROSPECTS

No fieldwork was undertaken during the quarter.

BRAESIDE PROJECT

No fieldwork was undertaken during the quarter.

OAKOVER WEST PROJECT

No fieldwork was undertaken during the quarter. Exploration data was further compiled to generate new drill targets across the JV and 100% owned tenements.

DOWNSTREAM STRATEGY

SUCCESSFUL MANGANESE EXTRACTION FROM INITIAL LEACHING TESTS

During the December quarter, Black Canyon reported initial leaching testwork had delivered highly promising results, achieving up to 91% Mn leach extraction. The Company has a parallel strategy to produce high purity manganese sulphate monohydrate (HPMSM), commencing with this initial leach and crystallisation testwork.

The objective of the initial testwork was to establish the leaching amenability of manganese oxide ores using fairly standard chemical and physical parameters to determine extraction kinetics based on feedstock particle size, slurry density and SO₂ concentration.

As part of the second stage testwork program to support a HPMSM Scoping Study the Company will optimise the leaching conditions to improve leaching rates and reduce reagent consumption.

MANGANESE SULPHATE TESTWORK ACHIEVES GREATER THAN 99% PURITY

Subsequent to the successful leaching testwork, initial manganese sulphate crystallisation testwork delivered very encouraging results, with the production of manganese sulphate with 32.3% Mn content which is equivalent to greater than 99% Mn purity.

The manganese sulphate results bolster the Company's strategy to produce HPMSM, commencing with this initial leach and crystallisation testwork.

The HPMSM strategy will now be further advanced with more detailed Scoping Level leaching, purification and crystallisation testwork to produce potential battery grade manganese sulphate over the coming months.

The manganese-rich leachate solution was crystallised and analysed and has demonstrated that a high-grade manganese sulphate product can be produced. The testwork has also assisted the Company's understanding of potential elemental impurities such as iron, aluminium, calcium, potassium and base metals which will be removed as part of a purification phase.

The learnings from the initial leach and crystallisation tests can now be applied to further ongoing detailed leaching, purification and crystallisation testwork to support the HPMSM Scoping Study.

The Company is advancing this second stage of a hydrometallurgical testwork program with the preparation of additional manganese oxide concentrate materials from the LR1 and FB3 deposits at Flanagan Bore.

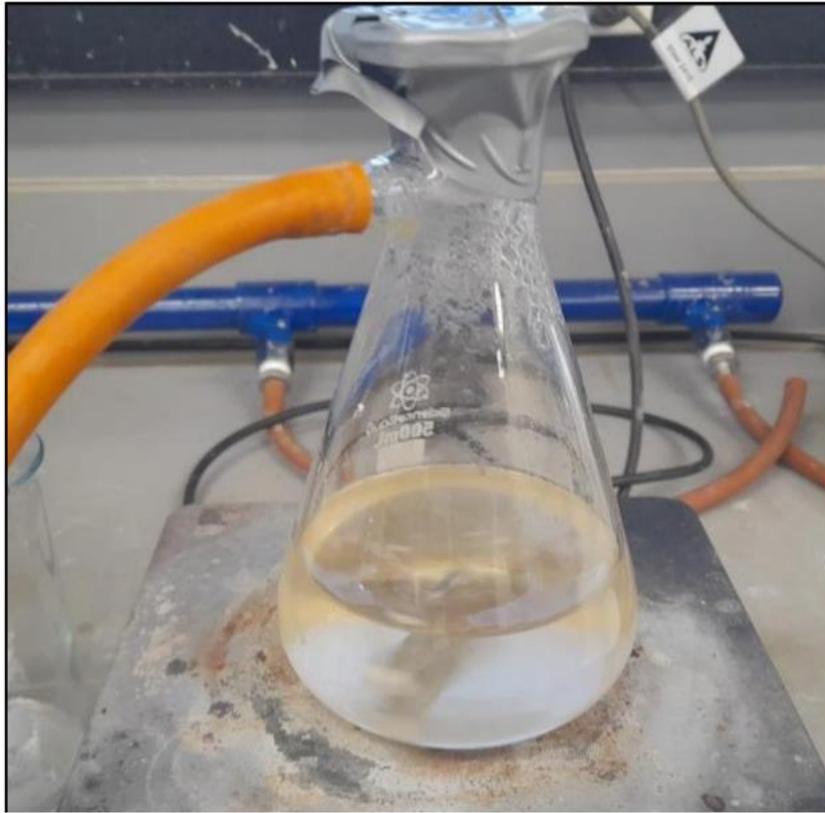


Figure 4. Mn leachate from the initial testwork completed using manganese oxide ore

Whilst manganese is primarily used in the steelmaking industry, a significant growth market is emerging in the electric vehicle (EV) sector. In an increasing number of EV battery compositions, manganese is used in the cathode and makes up a significant proportion of the volume of the battery.

The introduction of the manganese into LFP batteries, which is the fastest growing segment of the EV battery market, will likely see further demand for HPMSM. Currently, China dominates the high purity manganese market, with over 90% of global production.

Similar to other cathode precursor materials, the requirement for security and diversification of supply will become a significant factor inducing the establishment of additional supply outside of China for the American and European car manufacturing industries.

CORPORATE

CASH

The Company's consolidated cash at hand was \$2.209m as at 31 December 2022 with no debt.

The majority of the expenditure was on Exploration and Evaluation \$594k, Staff costs of \$65k and Admin and Corporate costs totalling \$165k. This information is presented in the Quarterly Cashflow Report (Appendix 5b).

75% INTEREST IN CARAWINE JV EARNT

At the end of the reporting period, Black Canyon announced in late December it had earned a 75% interest in the Carawine JV tenements, comprising approximately 793 km² located in the Eastern Pilbara of WA.

The Company executed a binding Heads of Agreement with Carawine Resources Limited (Carawine) (ASX:CWX) on 23 December 2020 that provided the Company with the exclusive right to farm-in to CWX's Carawine Project, which hosts the Flanagan Bore Project. Under the terms of the Agreement, Black Canyon is managing the Carawine JV and was required to spend A\$4m within 5 years to earn the 75% interest.

Black Canyon and Carawine are formalising the work program and budget for the JV for 2023 with both parties deemed to be contributing to the JV expenditure according to their interests.

DECEMBER QUARTER ASX RELEASES

Additional details pertaining to information reported in this Quarterly report, including JORC 2012 reporting tables where applicable, can be found in the ASX announcements lodged with the ASX during the quarter:

1. 12/10/2022 – Successful manganese extraction from initial leaching tests
2. 25/10/2022 – Discovery of thick manganese enriched shale between the Flanagan Bore deposits
3. 21/11/2022 – Mining Lease Application submitted for Flanagan Bore
4. 24/11/2022 – Flanagan Bore Mineral Resource Estimate Increased by 64%
5. 05/12/2022 – Manganese Sulphate Testwork Achieves Greater than 99% Purity
6. 28/12/2022 – Black Canyon earns 75% interest in the Carawine JV

KEY ACTIVITIES PLANNED FOR THE MARCH 2023 QUARTER

During the March 2023 quarter, the Company plans to:

- Continue Scoping Study level hydrometallurgical testwork on manganese oxide ores to potentially generate battery grade HMPMSM suitable for CAM applications for the EV battery industry
- Continue detailed metallurgical testwork examining scrubbing, physical properties and beneficiation testwork to deliver a high quality manganese concentrate
- Complete flora and fauna desktop studies and plan the implementation of baseline environmental studies for Autumn with the results likely to affect the plans for the future Spring surveys.
- Continue engaging a number of consultants to contribute to ongoing Feasibility Studies
- Review regional exploration plans targeting hydrothermal and manganese enriched shales styles of mineralisation
- Continue market engagement for third parties interested in HPMSM and manganese concentrate

ASX ADDITIONAL INFORMATION

1. ASX Listing Rule 5.3.1– Mining exploration activities and investment activity expenditure during the quarter was \$594,000. Full details of the activity during the quarter are set out in this report.
2. ASX Listing Rule 5.3.2 – Mining production and development activity expenditure for the quarter was Nil and there were no substantive mining exploration activities for the quarter.
3. ASX Listing Rule 5.3.3 – Tenement Schedule
 - a. As at the date of listing, the Company had the right to Earn up to a 75% interest in the Carawine Project. As at the date of this report, the Company has earned its 75% Interest as set out in the Tenement Schedule below.

Project	Tenement	Beneficial Interest at start of quarter	Beneficial Interest at end of quarter
Carawine Project Joint Venture	E45/5145	51%	75%
	E46/1245	51%	75%
	E46/1099-I	51%	75%
	E45/4958	51%	75%
	E46/1116-I	51%	75%
	E46/1119-I	51%	75%
	E46/1301	51%	75%
	E46/1069-I	51%	75%
	MLA46/546	51% (application)	75% (application)
Davis Creek	ELA46/1382	100%	100%
Pickering Creek	ELA46/1404	100%	100%
Davis North	ELA46/1406	100%	100%
Wandanya	ELA46/1407	100%	100%
Warawagine	ELA45/5954	100%	100%
Bee Hill West	ELA46/1422	100%	100%
Balfour South	EL46/1396	100%	100%
Hurricane	EL46/1394	100%	100%
Billanooka	ELA46/1488	100% (application)	100%

Note EL – granted Exploration License
 ELA – Exploration license in application

4. ASX Listing Rule 5.3.4 – The Company provides the actual vs proposed use of Funds as outlined in Section 3.7 of the Prospectus dated 10 March 2021.

Proposed Use of Funds	Proposed \$	Actual \$	Variance
Exploration Expenditure	\$2,553,500	\$3,168,587	-\$615,087
Expenses of the Offer	\$475,000	\$425,000	\$50,000
Working Capital	\$2,101,500	\$918,030	\$1,163,470
Total	\$5,110,000	\$4,511,617	\$598,383

5. Major variances in the above table relate to timing of actual spend. The proposed spend is for a two-year period and the Company listed in May 2021. Note that in the June 2022 quarter the Company raised a further \$3.2 million before costs.
6. ASX Listing Rule 5.4.5 – Payments to related parties of the Company during the quarter and outlined in the Appendix 5B include \$95,000 for Salaries, Director Fees and Consulting Fees paid to Directors.

This announcement has been approved by the Board of Black Canyon Limited.

For further details:

Brendan Cummins
Executive Director

Telephone: +61 8 9426 0666

Email: brendan.cummins@blackcanyon.com.au

For media and broker enquiries:

Fraser Beattie
White Noise Communications

Telephone: +61 421 505 557

Email: fraser@whitenoisecomms.com

Compliance Statements

Reporting of Exploration Results and Previously Reported Information

The information in this report that relates to Exploration Results is based on, and fairly represents, information and supporting documentation reviewed by Mr Brendan Cummins, Executive Director of Black Canyon Limited. Mr Cummins is a member of the Australian Institute of Geoscientists, and he has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity which has been undertaken 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 Cummins consents to the inclusion in this release of the matters based on the information in the form and context in which they appear. Mr Cummins is a shareholder of Black Canyon Limited.

The information in this report that relates to Mineral Resources is based on, and fairly represents, information and supporting documentation prepared by Mr Greg Jones, (Consultant to Black Canyon and Geological Services Manager for IHC Mining). Mr Jones is a Fellow of the Australian Institute of Mining and Metallurgy and has sufficient experience of relevance to the style of mineralisation and type of deposit under consideration, and to the activities undertaken to qualify as a Competent Persons as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Jones consents to the inclusion in this report of the matters based on the information in the form and context in which they appear.

Appendix 5B

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

Name of entity

Black Canyon Limited

ABN

63 150 714 739

Quarter ended ("current quarter")

31 December 2022

Consolidated statement of cash flows	Current quarter \$A'000	Year to date (6 months) \$A'000
1. Cash flows from operating activities		
1.1 Receipts from customers		
1.2 Payments for		
(a) exploration & evaluation	(594)	(2,141)
(b) development		
(c) production		
(d) staff costs	(65)	(108)
(e) administration and corporate costs	(165)	(301)
1.3 Dividends received (see note 3)		
1.4 Interest received	3	9
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	(821)	(2,541)

2. 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		

Consolidated statement of cash flows	Current quarter \$A'000	Year to date (6 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)		
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		
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	-	-

4. Net increase / (decrease) in cash and cash equivalents for the period		
4.1 Cash and cash equivalents at beginning of period	3,030	4,750
4.2 Net cash from / (used in) operating activities (item 1.9 above)	(821)	(2,541)
4.3 Net cash from / (used in) investing activities (item 2.6 above)	-	-
4.4 Net cash from / (used in) financing activities (item 3.10 above)	-	-

Appendix 5B

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

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (6 months) \$A'000
4.5	Effect of movement in exchange rates on cash held	-	-
4.6	Cash and cash equivalents at end of period	2,209	2,209

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	709	3,015
5.2	Call deposits	1,500	15
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)	2,209	3,030

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	95
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-
<p><i>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.</i></p> <p>Fees include Salaries, Director Fees and Consulting Fees to Executive Director and Non-Executive Directors</p>		

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

7. Financing facilities	Total facility amount at quarter end \$A'000	Amount drawn at quarter end \$A'000
<i>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.</i>		
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)	(821)
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)	(821)
8.4 Cash and cash equivalents at quarter end (item 4.6)	2,209
8.5 Unused finance facilities available at quarter end (item 7.5)	-
8.6 Total available funding (item 8.4 + item 8.5)	2,209
8.7 Estimated quarters of funding available (item 8.6 divided by item 8.3)	2.69
<i>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.</i>	
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: N/A	
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: N/A	

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

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: N/A

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

- 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.

31 January 2023

Date:

Authorised by: The Board
(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.