

Form 603Corporations Act 2001
Section 671B**Notice of initial substantial holder**To Company Name/Scheme PERSEUS MINING LTDACN/ARSN 106 808 986**1. Details of substantial holder (1)**Name BlackRock Group (BlackRock Inc. and subsidiaries named in Annexures
ACN/ARSN (if applicable) to this form)The holder became a substantial holder on 11 /08 /2023**2. Details of voting power**

The total number of votes attached to all the voting shares in the company or voting interests in the scheme that the substantial holder or an associate (2) had a relevant interest (3) in on the date the substantial holder became a substantial holder are as follows:

Class of securities (4)	Number of securities	Person's votes (5)	Voting power (6)
ORD	70,505,312	70,505,312	5.14

3. Details of relevant interests

The nature of the relevant interest the substantial holder or an associate had in the following voting securities on the date the substantial holder became a substantial holder are as follows:

Holder of relevant interest	Nature of relevant interest (7)	Class and number of securities
Annexure A & D		

4. Details of present registered holders

The persons registered as holders of the securities referred to in paragraph 3 above are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Class and number of securities
see Annexure A			

5. Consideration

The consideration paid for each relevant interest referred to in paragraph 3 above, and acquired in the four months prior to the day that the substantial holder became a substantial holder is as follows:

Holder of relevant interest	Date of acquisition	Consideration (9)		Class and number of securities
		Cash	Non-cash	
see Annexure B				

6. Associates

The reasons the persons named in paragraph 3 above are associates of the substantial holder are as follows:

Name and ACN/ARSN (if applicable)	Nature of association
see Annexure A	

7. Addresses

The addresses of persons named in this form are as follows:

Name	Address
see Annexure C	

Signature

print name Shawna Reese

capacity Authorised Signatory*

sign here

date 15 / 08 / 2023

* At a meeting of the Board on 22 November 2013, the Directors resolved to approve the delegation of the preparation and lodgement of substantial shareholder notices on behalf of BlackRock Investment Management (Australia) Limited.

DIRECTIONS

- (1) If there are a number of substantial holders with similar or related relevant interests (eg. a corporation and its related corporations, or the manager and trustee of an equity trust), the names could be included in an annexure to the form. If the relevant interests of a group of persons are essentially similar, they may be referred to throughout the form as a specifically named group if the membership of each group, with the names and addresses of members is clearly set out in paragraph 7 of the form.
- (2) See the definition of "associate" in section 9 of the Corporations Act 2001.
- (3) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
- (4) The voting shares of a company constitute one class unless divided into separate classes.
- (5) The total number of votes attached to all the voting shares in the company or voting interests in the scheme (if any) that the person or an associate has a relevant interest in.
- (6) The person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
- (7) Include details of:
 - (a) any relevant agreement or other circumstances by which the relevant interest was acquired. If subsection 671B(4) applies, a copy of any document setting out the terms of any relevant agreement, and a statement by the person giving full and accurate details of any contract, scheme or arrangement, must accompany this form, together with a written statement certifying this contract, scheme or arrangement; and
 - (b) any qualification of the power of a person to exercise, control the exercise of, or influence the exercise of, the voting powers or disposal of the securities to which the relevant interest relates (indicating clearly the particular securities to which the qualification applies).

See the definition of "relevant agreement" in section 9 of the Corporations Act 2001.
- (8) If the substantial holder is unable to determine the identity of the person (eg. if the relevant interest arises because of an option) write "unknown".
- (9) Details of the consideration must include any and all benefits, money and other, that any person from whom a relevant interest was acquired has, or may, become entitled to receive in relation to that acquisition. Details must be included even if the benefit is conditional on the happening or not of a contingency. Details must be included of any benefit paid on behalf of the substantial holder or its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.

15-Aug-23

Shawna Reese,
Authorised Signatory

Date

3. Details of Relevant Interests

4. Details of present registered holders

6. Associates

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	JPM-JPM CHASE - LONDON		ORD	1	1	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET DUBLIN		ORD	12,823,704	12,823,704	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	STATE STREET BANK, MUNICH, ZURICH BRANCH		ORD	193,864	193,864	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET SACRAMENTO		ORD	483,232	483,232	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO		ORD	390	390	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	Northern Trust Luxembourg		ORD	2,209,616	2,209,616	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD	15,309	15,309	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET BANK, BOSTON		ORD	335,331	335,331	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	SSB-STATE STREET SACRAMENTO		ORD	17,360,921	17,360,921	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	BNYM-THE BANK OF NEW YORK		ORD	496,925	496,925	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	JPM-JP MORGAN CHASE		ORD	8,301,078	8,301,078	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD	63,290	63,290	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	SSB-STATE STREET SACRAMENTO		ORD	3,606	3,606	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	BNP-BNP PARIBAS AUSTRALIA - COGENT		ORD	218,751	218,751	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	BOA-MERRILL LYNCH INTL PRIME BROKER		ORD	153,246	153,246	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	CITI-CITIBANK, HONG KONG		ORD	3,367,087	3,367,087	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	CITI-Citigroup Australia		ORD	481,282	481,282	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	JPM-JPM CHASE - SYDNEY		ORD	11,315,769	11,315,769	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	NAB-NATIONAL AUSTRALIA BANK LIMITED		ORD	7,299,072	7,299,072	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	Northern Trust Singapore		ORD	3,030,029	3,030,029	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	UBS-UBS		ORD	388,681	388,681	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	BNYM-BANK OF NY BRUS		ORD	856,323	856,323	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	CITI-CITIBANK INTERNATIONAL PLC (LUXEMBOURG BRANCH		ORD	168,765	168,765	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	JPM-JP MORGAN CHASE		ORD	107,306	107,306	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	NT-NORTHERN TRUST UK		ORD	280,617	280,617	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	SSB-STATE STREET LONDON		ORD	13,330	13,330	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	BNYM-BONY LUXEMBOURG		ORD	338,052	338,052	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	BNYM-THE BANK OF NEW YORK		ORD	199,735	199,735	subsidiary of BlackRock Inc.

This is Annexure B of 7 pages referred to in form 603 Notice of initial substantial shareholder

15-Aug-23

Shawna Reese,
Authorised Signatory

Date

5. Consideration

PERSEUS MINING LTD (PRU)

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected
			Cash	Non-cash	CCY		
BlackRock Advisors (UK) Limited	12-Apr-23	yes	2.41	on mkt buy	AUD	ORD 2,145	2,145
BlackRock Institutional Trust Company, National Association	13-Apr-23	yes	2.44	on mkt buy	AUD	ORD 15,397	15,397
BlackRock Fund Advisors	13-Apr-23	yes	2.44	on mkt buy	AUD	ORD 62,881	62,881
BlackRock Advisors (UK) Limited	13-Apr-23	no	n/a	collateral transfer	AUD	ORD 1,077,831	1,077,831
BlackRock Investment Management (Australia) Limited	14-Apr-23	yes	2.49	on mkt buy	AUD	ORD 34,761	34,761
BlackRock Investment Management (Australia) Limited	14-Apr-23	yes	2.49	on mkt buy	AUD	ORD 6,910	6,910
BlackRock Fund Advisors	14-Apr-23	no	n/a	in specie	AUD	ORD 13,077	13,077
BlackRock Advisors (UK) Limited	14-Apr-23	no	n/a	collateral transfer	AUD	ORD 310,770	310,770
BlackRock Investment Management (Australia) Limited	18-Apr-23	yes	2.35	on mkt buy	AUD	ORD 6,147	6,147
BlackRock Investment Management (Australia) Limited	18-Apr-23	yes	2.36	on mkt buy	AUD	ORD 9,674	9,674
BlackRock Investment Management (Australia) Limited	18-Apr-23	yes	2.36	on mkt buy	AUD	ORD 7,654	7,654
BlackRock Investment Management (Australia) Limited	18-Apr-23	yes	2.36	on mkt buy	AUD	ORD 44,576	44,576
BlackRock Investment Management (Australia) Limited	18-Apr-23	yes	2.36	on mkt buy	AUD	ORD 11,205	11,205
BlackRock Investment Management (Australia) Limited	19-Apr-23	yes	2.34	on mkt buy	AUD	ORD 20,085	20,085
BlackRock Investment Management (Australia) Limited	19-Apr-23	yes	2.34	on mkt buy	AUD	ORD 78,390	78,390
BlackRock Investment Management (Australia) Limited	19-Apr-23	yes	2.34	on mkt buy	AUD	ORD 163,082	163,082
BlackRock Investment Management (Australia) Limited	20-Apr-23	yes	2.33	on mkt buy	AUD	ORD 235,287	235,287
BlackRock Investment Management (Australia) Limited	20-Apr-23	yes	2.34	on mkt buy	AUD	ORD 7,654	7,654
BlackRock Investment Management (Australia) Limited	20-Apr-23	yes	2.34	on mkt buy	AUD	ORD 7,654	7,654
BlackRock Advisors (UK) Limited	20-Apr-23	no	n/a	collateral transfer	AUD	ORD 460,009	460,009
BlackRock Fund Advisors	21-Apr-23	no	n/a	in specie	AUD	ORD 4,437	4,437
BlackRock Institutional Trust Company, National Association	21-Apr-23	yes	2.33	on mkt buy	AUD	ORD 8,770	8,770
BlackRock Institutional Trust Company, National Association	21-Apr-23	yes	2.33	on mkt buy	AUD	ORD 8,879	8,879
BlackRock Institutional Trust Company, National Association	21-Apr-23	yes	2.33	on mkt buy	AUD	ORD 7,487	7,487
BlackRock Investment Management (Australia) Limited	21-Apr-23	yes	2.32	on mkt buy	AUD	ORD 20,793	20,793
BlackRock Investment Management (Australia) Limited	21-Apr-23	yes	2.32	on mkt buy	AUD	ORD 85,568	85,568
BlackRock Investment Management (Australia) Limited	21-Apr-23	yes	2.32	on mkt buy	AUD	ORD 155,076	155,076
BlackRock Investment Management (Australia) Limited	21-Apr-23	yes	2.31	on mkt buy	AUD	ORD 8,292	8,292
BlackRock Investment Management (Australia) Limited	24-Apr-23	yes	2.29	on mkt buy	AUD	ORD 15,202	15,202
BlackRock Investment Management (Australia) Limited	24-Apr-23	yes	2.29	on mkt buy	AUD	ORD 6,910	6,910
BlackRock Fund Advisors	26-Apr-23	no	n/a	in specie	AUD	ORD 23,028	23,028
BlackRock Investment Management (Australia) Limited	26-Apr-23	yes	2.31	on mkt buy	AUD	ORD 17,981	17,981
BlackRock Institutional Trust Company, National Association	26-Apr-23	yes	2.31	on mkt buy	AUD	ORD 38,929	38,929

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected
			Cash	Non-cash	CCY		
BlackRock Institutional Trust Company, National Association	26-Apr-23	yes	2.31	on mkt buy	AUD	ORD 17,600	17,600
BlackRock Institutional Trust Company, National Association	26-Apr-23	yes	2.31	on mkt buy	AUD	ORD 17,648	17,648
BlackRock Investment Management (Australia) Limited	26-Apr-23	yes	2.31	on mkt buy	AUD	ORD 93,271	93,271
BlackRock Investment Management (Australia) Limited	26-Apr-23	yes	2.29	on mkt buy	AUD	ORD 60,686	60,686
BlackRock Investment Management (Australia) Limited	27-Apr-23	yes	2.30	on mkt buy	AUD	ORD 24,516	24,516
BlackRock Investment Management (Australia) Limited	27-Apr-23	yes	2.30	on mkt buy	AUD	ORD 4,408	4,408
BlackRock Advisors (UK) Limited	27-Apr-23	yes	2.30	on mkt buy	AUD	ORD 8,544	8,544
BlackRock Institutional Trust Company, National Association	28-Apr-23	yes	2.24	on mkt buy	AUD	ORD 33,129	33,129
BlackRock Institutional Trust Company, National Association	28-Apr-23	yes	2.24	on mkt buy	AUD	ORD 7,972	7,972
BlackRock Institutional Trust Company, National Association	28-Apr-23	yes	2.24	on mkt buy	AUD	ORD 7,725	7,725
BlackRock Investment Management (Australia) Limited	28-Apr-23	yes	2.24	on mkt buy	AUD	ORD 65,862	65,862
BlackRock Investment Management (Australia) Limited	28-Apr-23	yes	2.24	on mkt buy	AUD	ORD 71,711	71,711
BlackRock Investment Management (Australia) Limited	28-Apr-23	yes	2.24	on mkt buy	AUD	ORD 8,506	8,506
BlackRock Investment Management (Australia) Limited	28-Apr-23	yes	2.23	on mkt buy	AUD	ORD 6,910	6,910
BlackRock Investment Management (Australia) Limited	28-Apr-23	yes	2.23	on mkt buy	AUD	ORD 13,820	13,820
BlackRock Investment Management (Australia) Limited	28-Apr-23	yes	2.23	on mkt buy	AUD	ORD 85,605	85,605
BlackRock Investment Management (Australia) Limited	01-May-23	yes	2.22	on mkt buy	AUD	ORD 185,632	185,632
BlackRock Fund Advisors	02-May-23	no	n/a	in specie	AUD	ORD 7,829	7,829
BlackRock Investment Management (Australia) Limited	02-May-23	yes	2.17	on mkt buy	AUD	ORD 32,428	32,428
BlackRock Investment Management (Australia) Limited	02-May-23	yes	2.15	on mkt buy	AUD	ORD 11,056	11,056
BlackRock Investment Management (UK) Limited	02-May-23	no	n/a	collateral transfer	AUD	ORD 1	1
BlackRock Investment Management (Australia) Limited	03-May-23	yes	2.18	on mkt buy	AUD	ORD 63,847	63,847
BlackRock Institutional Trust Company, National Association	03-May-23	yes	2.18	on mkt buy	AUD	ORD 30,181	30,181
BlackRock Institutional Trust Company, National Association	03-May-23	yes	2.18	on mkt buy	AUD	ORD 6,352	6,352
BlackRock Institutional Trust Company, National Association	03-May-23	yes	2.18	on mkt buy	AUD	ORD 5,097	5,097
BlackRock Investment Management (Australia) Limited	03-May-23	yes	2.18	on mkt buy	AUD	ORD 40,538	40,538
BlackRock Investment Management (Australia) Limited	03-May-23	yes	2.18	on mkt buy	AUD	ORD 9,435	9,435
BlackRock Investment Management (Australia) Limited	03-May-23	yes	2.17	on mkt buy	AUD	ORD 62,037	62,037
BlackRock Investment Management (Australia) Limited	03-May-23	yes	2.17	on mkt buy	AUD	ORD 37,744	37,744
BlackRock Investment Management (Australia) Limited	03-May-23	yes	2.17	on mkt buy	AUD	ORD 12,226	12,226
BlackRock Investment Management (Australia) Limited	04-May-23	yes	2.23	on mkt buy	AUD	ORD 26,834	26,834
BlackRock Investment Management (Australia) Limited	04-May-23	yes	2.22	on mkt buy	AUD	ORD 256,757	256,757
BlackRock Investment Management (Australia) Limited	04-May-23	yes	2.23	on mkt buy	AUD	ORD 290,902	290,902
BlackRock Investment Management (Australia) Limited	04-May-23	yes	2.22	on mkt buy	AUD	ORD 7,654	7,654
BlackRock Investment Management, LLC	04-May-23	yes	2.22	on mkt buy	AUD	ORD 7,199	7,199
BlackRock Investment Management (Australia) Limited	04-May-23	yes	2.22	on mkt buy	AUD	ORD 5,949	5,949
BlackRock Investment Management (Australia) Limited	05-May-23	yes	2.19	on mkt buy	AUD	ORD 421,789	421,789
BlackRock Investment Management (Australia) Limited	05-May-23	yes	2.19	on mkt buy	AUD	ORD 4,408	4,408
BlackRock Institutional Trust Company, National Association	08-May-23	yes	2.21	on mkt buy	AUD	ORD 16,553	16,553

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected
			Cash	Non-cash	CCY		
BlackRock Institutional Trust Company, National Association	08-May-23	yes	2.21	on mkt buy	AUD	ORD 1,985	1,985
BlackRock Institutional Trust Company, National Association	08-May-23	yes	2.21	on mkt buy	AUD	ORD 1,888	1,888
BlackRock Investment Management (Australia) Limited	08-May-23	yes	2.22	on mkt buy	AUD	ORD 52,969	52,969
BlackRock Investment Management (Australia) Limited	08-May-23	yes	2.22	on mkt buy	AUD	ORD 308,983	308,983
BlackRock Investment Management (Australia) Limited	08-May-23	yes	2.22	on mkt buy	AUD	ORD 22,178	22,178
BlackRock Investment Management (Australia) Limited	08-May-23	yes	2.22	on mkt buy	AUD	ORD 300,155	300,155
BlackRock Investment Management (Australia) Limited	08-May-23	yes	2.22	on mkt buy	AUD	ORD 8,412	8,412
BlackRock Investment Management (Australia) Limited	08-May-23	yes	2.22	on mkt buy	AUD	ORD 203,046	203,046
BlackRock Advisors (UK) Limited	08-May-23	no	n/a	collateral transfer	AUD	ORD 82,496	82,496
BlackRock Investment Management, LLC	10-May-23	yes	2.12	on mkt buy	AUD	ORD 14,488	14,488
BlackRock Investment Management (Australia) Limited	11-May-23	yes	2.12	on mkt buy	AUD	ORD 129,027	129,027
BlackRock Investment Management (Australia) Limited	11-May-23	yes	2.12	on mkt buy	AUD	ORD 5,809	5,809
BlackRock Fund Advisors	12-May-23	no	n/a	in specie	AUD	ORD 9,800	9,800
BlackRock Investment Management (Australia) Limited	12-May-23	yes	2.06	on mkt buy	AUD	ORD 118,974	118,974
BlackRock Investment Management (Australia) Limited	12-May-23	yes	2.06	on mkt buy	AUD	ORD 16,824	16,824
BlackRock Advisors (UK) Limited	12-May-23	no	n/a	collateral transfer	AUD	ORD 518,762	518,762
BlackRock Fund Advisors	16-May-23	no	n/a	in specie	AUD	ORD 1,196	1,196
BlackRock Investment Management (Australia) Limited	16-May-23	yes	2.12	on mkt buy	AUD	ORD 16,598	16,598
BlackRock Investment Management, LLC	16-May-23	yes	2.12	on mkt buy	AUD	ORD 26,894	26,894
BlackRock Fund Advisors	16-May-23	no	n/a	in specie	AUD	ORD 12,428	12,428
BlackRock Fund Advisors	17-May-23	no	n/a	in specie	AUD	ORD 2,320	2,320
BlackRock Investment Management (Australia) Limited	17-May-23	yes	2.06	on mkt buy	AUD	ORD 176,617	176,617
BlackRock Investment Management (Australia) Limited	17-May-23	yes	2.06	on mkt buy	AUD	ORD 33,648	33,648
BlackRock Advisors (UK) Limited	17-May-23	yes	2.06	on mkt buy	AUD	ORD 8,620	8,620
BlackRock Advisors (UK) Limited	17-May-23	no	n/a	collateral transfer	AUD	ORD 2	2
BlackRock Investment Management (Australia) Limited	18-May-23	yes	2.05	on mkt buy	AUD	ORD 23,782	23,782
BlackRock Investment Management (Australia) Limited	18-May-23	yes	2.05	on mkt buy	AUD	ORD 180,713	180,713
BlackRock Investment Management (Australia) Limited	18-May-23	yes	2.05	on mkt buy	AUD	ORD 268,194	268,194
BlackRock Investment Management (Australia) Limited	18-May-23	yes	2.04	on mkt buy	AUD	ORD 47,668	47,668
BlackRock Investment Management (Australia) Limited	19-May-23	yes	2.03	on mkt buy	AUD	ORD 33,340	33,340
BlackRock Investment Management (Australia) Limited	19-May-23	yes	2.03	on mkt buy	AUD	ORD 86,731	86,731
BlackRock Investment Management (Australia) Limited	19-May-23	yes	2.04	on mkt buy	AUD	ORD 70,279	70,279
BlackRock Investment Management, LLC	19-May-23	yes	2.04	on mkt buy	AUD	ORD 20,151	20,151
BlackRock Fund Advisors	19-May-23	yes	2.04	on mkt buy	AUD	ORD 4,539	4,539
BlackRock Investment Management (Australia) Limited	22-May-23	yes	2.01	on mkt buy	AUD	ORD 130,262	130,262
BlackRock Investment Management, LLC	24-May-23	yes	1.96	on mkt buy	AUD	ORD 51,839	51,839
BlackRock Investment Management (Australia) Limited	25-May-23	yes	1.88	on mkt buy	AUD	ORD 204,458	204,458
BlackRock Investment Management (Australia) Limited	25-May-23	yes	1.87	on mkt buy	AUD	ORD 67,296	67,296
BlackRock Investment Management (Australia) Limited	26-May-23	yes	1.84	on mkt buy	AUD	ORD 4,408	4,408
BlackRock Investment Management, LLC	26-May-23	yes	1.84	on mkt buy	AUD	ORD 19,551	19,551
BlackRock Fund Advisors	26-May-23	yes	1.84	on mkt buy	AUD	ORD 3,519	3,519
BlackRock Investment Management (Australia) Limited	29-May-23	yes	1.86	on mkt buy	AUD	ORD 8,412	8,412
BlackRock Investment Management (Australia) Limited	31-May-23	yes	1.83	on mkt buy	AUD	ORD 9,867	9,867

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected
			Cash	Non-cash	CCY		
BlackRock Institutional Trust Company, National Association	31-May-23	yes	1.83	on mkt buy	AUD	ORD 18,650	18,650
BlackRock Investment Management, LLC	31-May-23	yes	1.83	on mkt buy	AUD	ORD 26,167	26,167
BlackRock Fund Advisors	31-May-23	yes	1.83	on mkt buy	AUD	ORD 13,300	13,300
BlackRock Fund Advisors	31-May-23	yes	1.83	on mkt buy	AUD	ORD 18,301	18,301
BlackRock Institutional Trust Company, National Association	31-May-23	yes	1.83	on mkt buy	AUD	ORD 775	775
BlackRock Institutional Trust Company, National Association	31-May-23	yes	1.83	on mkt buy	AUD	ORD 14,755	14,755
BlackRock Investment Management (Australia) Limited	31-May-23	yes	1.83	on mkt buy	AUD	ORD 706	706
BlackRock Investment Management (UK) Limited	31-May-23	yes	1.83	on mkt buy	AUD	ORD 706	706
BlackRock Investment Management (Australia) Limited	31-May-23	yes	1.83	on mkt buy	AUD	ORD 4,930	4,930
BlackRock Institutional Trust Company, National Association	31-May-23	yes	1.83	on mkt buy	AUD	ORD 262,997	262,997
BlackRock Fund Advisors	31-May-23	yes	1.83	on mkt buy	AUD	ORD 187,546	187,546
BlackRock Fund Advisors	31-May-23	yes	1.83	on mkt buy	AUD	ORD 258,079	258,079
BlackRock Investment Management (Australia) Limited	31-May-23	yes	1.83	on mkt buy	AUD	ORD 4,757	4,757
BlackRock Investment Management (UK) Limited	31-May-23	yes	1.83	on mkt buy	AUD	ORD 5,879	5,879
BlackRock Investment Management (Australia) Limited	31-May-23	yes	1.83	on mkt buy	AUD	ORD 1,761	1,761
BlackRock Institutional Trust Company, National Association	31-May-23	yes	1.83	on mkt buy	AUD	ORD 93,919	93,919
BlackRock Fund Advisors	31-May-23	yes	1.83	on mkt buy	AUD	ORD 66,974	66,974
BlackRock Fund Advisors	31-May-23	yes	1.83	on mkt buy	AUD	ORD 92,163	92,163
BlackRock Investment Management (Australia) Limited	31-May-23	yes	1.83	on mkt buy	AUD	ORD 1,699	1,699
BlackRock Investment Management (UK) Limited	31-May-23	yes	1.83	on mkt buy	AUD	ORD 2,099	2,099
BlackRock Investment Management (Australia) Limited	01-Jun-23	yes	1.91	on mkt buy	AUD	ORD 11,216	11,216
BlackRock Institutional Trust Company, National Association	02-Jun-23	yes	1.91	on mkt buy	AUD	ORD 42,478	42,478
BlackRock Investment Management, LLC	02-Jun-23	yes	1.91	on mkt buy	AUD	ORD 10,903	10,903
BlackRock Institutional Trust Company, National Association	06-Jun-23	yes	1.88	on mkt buy	AUD	ORD 228,994	228,994
BlackRock Institutional Trust Company, National Association	06-Jun-23	yes	1.88	on mkt buy	AUD	ORD 106,607	106,607
BlackRock Investment Management (Australia) Limited	07-Jun-23	yes	1.87	on mkt buy	AUD	ORD 16,824	16,824
BlackRock Institutional Trust Company, National Association	07-Jun-23	yes	1.87	on mkt buy	AUD	ORD 1,900	1,900
BlackRock Investment Management (Australia) Limited	08-Jun-23	yes	1.82	on mkt buy	AUD	ORD 6,405	6,405
BlackRock Investment Management (Australia) Limited	08-Jun-23	yes	1.82	on mkt buy	AUD	ORD 203,668	203,668
BlackRock Advisors (UK) Limited	13-Jun-23	yes	1.78	on mkt buy	AUD	ORD 29,984	29,984
BlackRock Fund Advisors	13-Jun-23	yes	1.78	on mkt buy	AUD	ORD 203,678	203,678
BlackRock Advisors (UK) Limited	13-Jun-23	no	n/a	collateral transfer	AUD	ORD 4	4
BlackRock Fund Advisors	14-Jun-23	no	n/a	in specie	AUD	ORD 1,196	1,196
BlackRock Financial Management, Inc.	14-Jun-23	yes	1.77	on mkt buy	AUD	ORD 200,100	200,100
BlackRock Advisors (UK) Limited	14-Jun-23	yes	1.77	on mkt buy	AUD	ORD 30,008	30,008
BlackRock Financial Management, Inc.	15-Jun-23	yes	1.73	on mkt buy	AUD	ORD 119,208	119,208
BlackRock Advisors (UK) Limited	15-Jun-23	yes	1.73	on mkt buy	AUD	ORD 37,535	37,535
BlackRock Financial Management, Inc.	16-Jun-23	yes	1.77	on mkt buy	AUD	ORD 137,937	137,937
BlackRock Investment Management (Australia) Limited	19-Jun-23	yes	1.79	on mkt buy	AUD	ORD 12,618	12,618
BlackRock Advisors (UK) Limited	20-Jun-23	yes	1.78	on mkt buy	AUD	ORD 14,444	14,444
BlackRock Fund Advisors	21-Jun-23	yes	1.74	on mkt buy	AUD	ORD 81,814	81,814
BlackRock Financial Management, Inc.	22-Jun-23	yes	1.69	on mkt buy	AUD	ORD 36,004	36,004
BlackRock Investment Management (UK) Limited	22-Jun-23	yes	1.68	on mkt buy	AUD	ORD 78,749	78,749
BlackRock Advisors (UK) Limited	22-Jun-23	no	n/a	collateral transfer	AUD	ORD 1	1
BlackRock Investment Management (Australia) Limited	23-Jun-23	yes	1.66	on mkt buy	AUD	ORD 3,949	3,949
BlackRock Fund Advisors	23-Jun-23	yes	1.66	on mkt buy	AUD	ORD 5,457	5,457
BlackRock Financial Management, Inc.	26-Jun-23	yes	1.69	on mkt buy	AUD	ORD 131,335	131,335
BlackRock Investment Management, LLC	26-Jun-23	yes	1.70	on mkt buy	AUD	ORD 8,925	8,925

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected		Person's votes affected
			Cash	Non-cash	CCY			
BlackRock Investment Management (Australia) Limited	27-Jun-23	yes	1.69	on mkt buy	AUD	ORD	3,949	3,949
BlackRock Investment Management (Australia) Limited	27-Jun-23	yes	1.69	on mkt buy	AUD	ORD	4,408	4,408
BlackRock Investment Management, LLC	27-Jun-23	yes	1.69	on mkt buy	AUD	ORD	10,104	10,104
BlackRock Advisors (UK) Limited	27-Jun-23	no	n/a	collateral transfer	AUD	ORD	999,280	999,280
BlackRock Financial Management, Inc.	29-Jun-23	yes	1.67	on mkt buy	AUD	ORD	181,520	181,520
BlackRock Advisors (UK) Limited	29-Jun-23	yes	1.67	on mkt buy	AUD	ORD	8,660	8,660
BlackRock Fund Advisors	30-Jun-23	no	n/a	in specie	AUD	ORD	1,196	1,196
BlackRock Investment Management (Australia) Limited	30-Jun-23	yes	1.65	on mkt buy	AUD	ORD	2,804	2,804
BlackRock Advisors (UK) Limited	30-Jun-23	no	n/a	collateral transfer	AUD	ORD	1,687,450	1,687,450
BlackRock Financial Management, Inc.	03-Jul-23	yes	1.71	on mkt buy	AUD	ORD	70,159	70,159
BlackRock Advisors (UK) Limited	03-Jul-23	yes	1.72	on mkt buy	AUD	ORD	12,996	12,996
BlackRock Fund Advisors	03-Jul-23	yes	1.72	on mkt buy	AUD	ORD	90,575	90,575
BlackRock Institutional Trust Company, National Association	03-Jul-23	no	n/a	in specie	AUD	ORD	26,212	26,212
BlackRock Investment Management (UK) Limited	03-Jul-23	no	n/a	collateral transfer	AUD	ORD	500,843	500,843
BlackRock Investment Management (Australia) Limited	05-Jul-23	yes	1.72	on mkt buy	AUD	ORD	14,738	14,738
BlackRock Fund Advisors	06-Jul-23	no	n/a	in specie	AUD	ORD	1,196	1,196
BlackRock Financial Management, Inc.	06-Jul-23	yes	1.69	on mkt buy	AUD	ORD	185,315	185,315
BlackRock Advisors (UK) Limited	06-Jul-23	yes	1.70	on mkt buy	AUD	ORD	57,216	57,216
BlackRock Investment Management (Australia) Limited	06-Jul-23	yes	1.70	on mkt buy	AUD	ORD	11,269	11,269
BlackRock Advisors (UK) Limited	06-Jul-23	no	n/a	collateral transfer	AUD	ORD	2,764	2,764
BlackRock Financial Management, Inc.	10-Jul-23	yes	1.63	on mkt buy	AUD	ORD	34,803	34,803
BlackRock Advisors (UK) Limited	10-Jul-23	yes	1.63	on mkt buy	AUD	ORD	64,503	64,503
BlackRock Advisors (UK) Limited	10-Jul-23	yes	1.63	on mkt buy	AUD	ORD	2,159	2,159
BlackRock Institutional Trust Company, National Association	10-Jul-23	yes	1.63	on mkt buy	AUD	ORD	20,336	20,336
BlackRock Advisors (UK) Limited	10-Jul-23	no	n/a	collateral transfer	AUD	ORD	910,713	910,713
BlackRock Advisors (UK) Limited	12-Jul-23	no	n/a	collateral transfer	AUD	ORD	1,240,000	1,240,000
BlackRock Investment Management (UK) Limited	12-Jul-23	no	n/a	collateral transfer	AUD	ORD	659,941	659,941
BlackRock Financial Management, Inc.	13-Jul-23	yes	1.82	on mkt buy	AUD	ORD	177,917	177,917
BlackRock Investment Management (Australia) Limited	13-Jul-23	yes	1.81	on mkt buy	AUD	ORD	8,406	8,406
BlackRock Investment Management (Australia) Limited	13-Jul-23	yes	1.81	on mkt buy	AUD	ORD	6,609	6,609
BlackRock Advisors (UK) Limited	13-Jul-23	yes	1.82	on mkt buy	AUD	ORD	199,864	199,864
BlackRock Advisors (UK) Limited	13-Jul-23	yes	1.81	on mkt buy	AUD	ORD	7,138	7,138
BlackRock Advisors (UK) Limited	13-Jul-23	yes	1.81	on mkt buy	AUD	ORD	157,036	157,036
BlackRock Advisors (UK) Limited	14-Jul-23	no	n/a	collateral transfer	AUD	ORD	262,835	262,835
BlackRock Financial Management, Inc.	17-Jul-23	yes	1.79	on mkt buy	AUD	ORD	4,125	4,125
BlackRock Investment Management (UK) Limited	19-Jul-23	no	n/a	collateral transfer	AUD	ORD	215,484	215,484
BlackRock Investment Management (Australia) Limited	20-Jul-23	yes	1.80	on mkt buy	AUD	ORD	19,614	19,614
BlackRock Advisors (UK) Limited	20-Jul-23	no	n/a	collateral transfer	AUD	ORD	215,537	215,537
BlackRock Financial Management, Inc.	24-Jul-23	yes	1.70	on mkt buy	AUD	ORD	19,083	19,083
BlackRock Investment Management (Australia) Limited	26-Jul-23	yes	1.79	on mkt buy	AUD	ORD	14,010	14,010
BlackRock Investment Management (Australia) Limited	26-Jul-23	yes	1.79	on mkt buy	AUD	ORD	3,838	3,838
BlackRock Investment Management, LLC	26-Jul-23	yes	1.79	on mkt buy	AUD	ORD	20,619	20,619
BlackRock Fund Advisors	26-Jul-23	no	n/a	in specie	AUD	ORD	11,561	11,561
BlackRock Financial Management, Inc.	27-Jul-23	yes	1.77	on mkt buy	AUD	ORD	157,409	157,409
BlackRock Institutional Trust Company, National Association	28-Jul-23	yes	1.68	on mkt buy	AUD	ORD	9,632	9,632
BlackRock Institutional Trust Company, National Association	28-Jul-23	yes	1.68	on mkt buy	AUD	ORD	11,618	11,618
BlackRock Institutional Trust Company, National Association	28-Jul-23	yes	1.68	on mkt buy	AUD	ORD	6,182	6,182
BlackRock Investment Management (Australia) Limited	28-Jul-23	yes	1.71	on mkt buy	AUD	ORD	7,561	7,561
BlackRock Advisors (UK) Limited	28-Jul-23	yes	1.71	on mkt buy	AUD	ORD	8,600	8,600

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected		Person's votes affected
			Cash	Non-cash	CCY			
BlackRock Investment Management (Australia) Limited	28-Jul-23	yes	1.71	on mkt buy	AUD	ORD	26,025	26,025
BlackRock Investment Management (Australia) Limited	28-Jul-23	yes	1.71	on mkt buy	AUD	ORD	11,806	11,806
BlackRock Investment Management (Australia) Limited	31-Jul-23	yes	1.74	on mkt buy	AUD	ORD	33,602	33,602
BlackRock Financial Management, Inc.	31-Jul-23	yes	1.74	on mkt buy	AUD	ORD	257,884	257,884
BlackRock Institutional Trust Company, National Association	31-Jul-23	yes	1.74	on mkt buy	AUD	ORD	29,169	29,169
BlackRock Fund Advisors	31-Jul-23	no	n/a	in specie	AUD	ORD	10,843	10,843
BlackRock Investment Management (Australia) Limited	01-Aug-23	yes	1.78	on mkt buy	AUD	ORD	4,406	4,406
BlackRock Investment Management (Australia) Limited	01-Aug-23	yes	1.78	on mkt buy	AUD	ORD	6,302	6,302
BlackRock Investment Management (Australia) Limited	01-Aug-23	yes	1.78	on mkt buy	AUD	ORD	7,561	7,561
BlackRock Advisors (UK) Limited	01-Aug-23	yes	1.78	on mkt buy	AUD	ORD	21,414	21,414
BlackRock Investment Management (Australia) Limited	01-Aug-23	yes	1.78	on mkt buy	AUD	ORD	7,676	7,676
BlackRock Investment Management, LLC	01-Aug-23	yes	1.78	on mkt buy	AUD	ORD	61,550	61,550
BlackRock Advisors (UK) Limited	01-Aug-23	no	n/a	collateral transfer	AUD	ORD	269,680	269,680
BlackRock Fund Advisors	02-Aug-23	no	n/a	in specie	AUD	ORD	8,682	8,682
BlackRock Institutional Trust Company, National Association	02-Aug-23	yes	1.75	on mkt buy	AUD	ORD	10,349	10,349
BlackRock Institutional Trust Company, National Association	02-Aug-23	yes	1.75	on mkt buy	AUD	ORD	6,807	6,807
BlackRock Institutional Trust Company, National Association	02-Aug-23	yes	1.75	on mkt buy	AUD	ORD	6,684	6,684
BlackRock Investment Management (Australia) Limited	02-Aug-23	yes	1.74	on mkt buy	AUD	ORD	11,208	11,208
BlackRock Investment Management (Australia) Limited	02-Aug-23	yes	1.74	on mkt buy	AUD	ORD	3,838	3,838
BlackRock Investment Management (Australia) Limited	02-Aug-23	yes	1.74	on mkt buy	AUD	ORD	45,316	45,316
BlackRock Investment Management (Australia) Limited	02-Aug-23	yes	1.74	on mkt buy	AUD	ORD	26,408	26,408
BlackRock Investment Management (Australia) Limited	02-Aug-23	yes	1.74	on mkt buy	AUD	ORD	60,839	60,839
BlackRock Investment Management (Australia) Limited	03-Aug-23	yes	1.73	on mkt buy	AUD	ORD	122,457	122,457
BlackRock Investment Management (Australia) Limited	03-Aug-23	yes	1.73	on mkt buy	AUD	ORD	233,926	233,926
BlackRock Investment Management (Australia) Limited	03-Aug-23	yes	1.73	on mkt buy	AUD	ORD	23,268	23,268
BlackRock Financial Management, Inc.	03-Aug-23	yes	1.73	on mkt buy	AUD	ORD	246,291	246,291
BlackRock Advisors (UK) Limited	03-Aug-23	no	n/a	collateral transfer	AUD	ORD	8	8
BlackRock Institutional Trust Company, National Association	04-Aug-23	yes	1.73	on mkt buy	AUD	ORD	3,843	3,843
BlackRock Institutional Trust Company, National Association	04-Aug-23	yes	1.73	on mkt buy	AUD	ORD	3,777	3,777
BlackRock Investment Management (Australia) Limited	04-Aug-23	yes	1.75	on mkt buy	AUD	ORD	42,400	42,400
BlackRock Investment Management (Australia) Limited	04-Aug-23	yes	1.75	on mkt buy	AUD	ORD	142,189	142,189
BlackRock Investment Management (Australia) Limited	04-Aug-23	yes	1.75	on mkt buy	AUD	ORD	175,863	175,863
BlackRock Investment Management (Australia) Limited	04-Aug-23	yes	1.75	on mkt buy	AUD	ORD	16,899	16,899
BlackRock Investment Management, LLC	04-Aug-23	yes	1.75	on mkt buy	AUD	ORD	38,471	38,471
BlackRock Investment Management (Australia) Limited	04-Aug-23	yes	1.75	on mkt buy	AUD	ORD	49,035	49,035
BlackRock Investment Management (Australia) Limited	04-Aug-23	yes	1.75	on mkt buy	AUD	ORD	250,298	250,298
BlackRock Financial Management, Inc.	07-Aug-23	yes	1.77	on mkt buy	AUD	ORD	196,698	196,698
BlackRock Investment Management (Australia) Limited	07-Aug-23	yes	1.78	on mkt buy	AUD	ORD	263,172	263,172
BlackRock Investment Management (Australia) Limited	08-Aug-23	yes	1.71	on mkt buy	AUD	ORD	30,595	30,595
BlackRock Investment Management (Australia) Limited	08-Aug-23	yes	1.71	on mkt buy	AUD	ORD	75,654	75,654
BlackRock Investment Management (Australia) Limited	08-Aug-23	yes	1.71	on mkt buy	AUD	ORD	1,401	1,401

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected
			Cash	Non-cash	CCY		
BlackRock Investment Management (Australia) Limited	08-Aug-23	yes	1.71	on mkt buy	AUD	ORD 11,208	11,208
BlackRock Institutional Trust Company, National Association	08-Aug-23	yes	1.71	on mkt buy	AUD	ORD 24,112	24,112
BlackRock Institutional Trust Company, National Association	09-Aug-23	yes	1.70	on mkt buy	AUD	ORD 17,241	17,241
BlackRock Institutional Trust Company, National Association	09-Aug-23	yes	1.70	on mkt buy	AUD	ORD 17,184	17,184
BlackRock Investment Management (Australia) Limited	09-Aug-23	yes	1.73	on mkt buy	AUD	ORD 76,430	76,430
BlackRock Investment Management (Australia) Limited	09-Aug-23	yes	1.73	on mkt buy	AUD	ORD 96,050	96,050
BlackRock Investment Management (Australia) Limited	09-Aug-23	yes	1.73	on mkt buy	AUD	ORD 133,810	133,810
BlackRock Investment Management (Australia) Limited	09-Aug-23	yes	1.73	on mkt buy	AUD	ORD 9,291	9,291
BlackRock Investment Management, LLC	09-Aug-23	yes	1.74	on mkt buy	AUD	ORD 28,390	28,390
BlackRock Investment Management (UK) Limited	09-Aug-23	no	n/a	collateral transfer	AUD	ORD 800,004	800,004
BlackRock Investment Management (Australia) Limited	10-Aug-23	yes	1.72	on mkt buy	AUD	ORD 167,936	167,936
BlackRock Investment Management (Australia) Limited	10-Aug-23	yes	1.72	on mkt buy	AUD	ORD 210,089	210,089
BlackRock Investment Management (Australia) Limited	10-Aug-23	yes	1.73	on mkt buy	AUD	ORD 19,912	19,912
BlackRock Financial Management, Inc.	10-Aug-23	yes	1.73	on mkt buy	AUD	ORD 53,828	53,828
BlackRock Financial Management, Inc.	10-Aug-23	no	n/a	in specie	AUD	ORD 15,309	15,309
BlackRock Institutional Trust Company, National Association	11-Aug-23	yes	1.73	on mkt buy	AUD	ORD 27,041	27,041
BlackRock Institutional Trust Company, National Association	11-Aug-23	yes	1.73	on mkt buy	AUD	ORD 23,283	23,283
BlackRock Institutional Trust Company, National Association	11-Aug-23	yes	1.73	on mkt buy	AUD	ORD 24,504	24,504
BlackRock Investment Management (Australia) Limited	11-Aug-23	yes	1.74	on mkt buy	AUD	ORD 158,144	158,144
BlackRock Investment Management (Australia) Limited	11-Aug-23	yes	1.74	on mkt buy	AUD	ORD 189,468	189,468
BlackRock Investment Management (Australia) Limited	11-Aug-23	yes	1.74	on mkt buy	AUD	ORD 62,727	62,727
BlackRock Investment Management (Australia) Limited	11-Aug-23	yes	1.74	on mkt buy	AUD	ORD 5,262	5,262
BlackRock Investment Management (Australia) Limited	11-Aug-23	yes	1.74	on mkt buy	AUD	ORD 7,134	7,134
BlackRock Advisors (UK) Limited	11-Aug-23	no	n/a	collateral transfer	AUD	ORD 3,300,898	3,300,898

This is Annexure C of 1 page referred to in form 603 Notice of initial substantial shareholder

15-Aug-23

**Shawna Reese,
Authorised Signatory**

Date

7. Addresses

The addresses of persons named in this form are as follows:

Name	Address
BlackRock Group	
BlackRock Inc.	50 Hudson Yards New York, NY 10001 USA
BlackRock Advisors (UK) Limited	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom
BlackRock Asset Management Canada Limited	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada
BlackRock Financial Management, Inc.	251 Little Falls Dr Wilmington, DE 19808-1674
BlackRock Fund Advisors	400 Howard Street San Francisco, CA, 94105 United States
BlackRock Institutional Trust Company, National Association	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)
BlackRock Investment Management (Australia) Limited	Level 37 Chifley Tower, 2 Chifley Square, Sydney NSW 2000 Australia
BlackRock Investment Management (UK) Limited	12 Throgmorton Avenue London EC2N 2DL United Kingdom
BlackRock Investment Management, LLC	251 Little Falls Dr Wilmington, DE 19808-1674

This is Annexure D of 3 pages referred to in form 603 Notice of initial substantial shareholder.

Shawna Reese, Authorised Signatory 15-Aug-23
Date

Type of agreement:	Global Master Securities Lending Agreement, Overseas Securities Lending Agreement or Master Securities Lending Agreement.
Parties to agreement:	The relevant counterparty as described in the lists of Securities Lending Agreements entered into by BlackRock Advisors Limited and BlackRock Institutional Trust Corporation, N.A., respectively, on the following page.
Transfer date:	The date of the relevant transaction identified as a collateral transfer referred to in Annexure B.
Holder of voting rights:	The Borrower.
Are there any restrictions on voting rights? If yes, detail	Yes. Collateral is held through a tripartite structure under which the triparty collateral manager will not act in respect of voting rights unless it receives instructions to do so from the Borrower.
Scheduled return date (if any):	The date of the relevant transaction referred to in Annexure B.
Does the borrower have the right to return early? If yes, detail	Yes. The Borrower is entitled to substitute existing collateral with other equities at any time.
Does the lender have the right to recall early? If yes, detail	Yes, at notice.
Will the securities be returned on settlement? If yes, detail any exceptions	Yes.

A copy of the relevant agreement will be provided to PERSEUS MINING LTD or the Australian Securities and Investments Commission upon request.

Securities Lending Agreements

Agreements entered into between BlackRock Advisors Limited and each of the following counterparties:

- (a) Bank of Nova Scotia, London Branch GMSLA, 25 August 2011
- (b) Barclays Bank plc GMSLA, 9 April 2104
- (c) Barclays Capital Securities Limited GMSLA, 2 December 2012
- (d) BNP Paribas Arbitrage GMSLA, 30 May 2013
- (e) BNP Paribas GMSLA, 8 May 2007
- (f) Citigroup Global Markets Limited GMSLA, 18 January 2007
- (g) Credit Suisse AG, Dublin Branch GMSLA, 28 September 2015
- (h) Credit Suisse International GMSLA, 10 March 2014
- (i) Credit Suisse Securities (Europe) Limited GMSLA, 26 August 2015
- (j) Deutsche Bank AG, London Branch GMSLA, 25 August 2017
- (k) Goldman Sachs International GMSLA, 2nd August 2022
- (l) HSBC Bank plc GMSLA GMSLA, 27 October 2016
- (m) ING Bank N.V. GMSLA, 12 November 2018
- (n) J.P. Morgan Securities plc GMSLA, 12 July 2011
- (o) Macquarie Bank Limited GMSLA, 18 August 2014
- (p) Merrill Lynch International GMSLA, 3 February 2020
- (q) Morgan Stanley & Co International plc GMSLA, 9 June 2021
- (r) Natixis SA GMSLA, 29 January 2018
- (s) Nomura International plc GMSLA, 2 November 2011
- (t) Royal Bank of Canada Europe Limited GMSLA, 3 February 2017
- (u) Royal Bank of Scotland plc (renamed to Natwest Markets Plc) GMSLA, 1 April 2011
- (v) Santander UK Plc GMSLA, 25 January 2019
- (w) Societe Generale GMSLA, 27 January 2012
- (x) UBS AG GMSLA, 28 April 2016
- (y) UBS Europe SE GMSLA, 1 February 2019
- (z) BAL/Banco Santander, S.A. GMSLA, 30 April 2019
- (aa) Canadian Imperial Bank of Commerce, London Branch GMSLA, 21 June 2019
- (bb) Zürcher Kantonalbank GMSLA, 30 October 2019
- (cc) The Hongkong and Shanghai Banking Corporation Limited GMSLA, 7 February 2020
- (dd) BNP Paribas Prime Brokerage International Limited GMSLA 19 October 2021
- (ee) Jefferies International Limited GMLSA 22 June 2023

Agreements entered into by BlackRock Institutional Trust Corporation, N.A. and each of the following counterparties:

- a. Bank of Nova Scotia GMSLA, December 6, 2016
- b. Barclays Bank plc GMSLA, April 24, 2017
- c. Barclays Capital Securities Limited GMSLA, March 15, 2017
- d. BNP Paribas Arbitrage GMSLA, June 5, 2017
- e. Citigroup Global Markets Limited GMSLA, June 3, 2015
- f. Credit Suisse AG, Dublin Branch GMSLA, October 14, 2015
- g. Credit Suisse International GMSLA, April 4, 2020
- h. Credit Suisse Securities (Europe) Limited GMSLA, October 2, 2015
- i. Deutsche Bank AG, London Branch GMSLA, June 7, 2017
- j. Goldman Sachs International GMSLA, February 20, 2023
- k. HSBC Bank plc GMSLA, February 12, 2013
- l. J.P. Morgan Securities plc GMSLA, October 4, 2016
- m. J.P. Morgan Securities plc GMSLA (Pledge), July 1, 2020
- n. Macquarie Bank Limited GMSLA, October 3, 2016
- o. Merrill Lynch International GMSLA, February 19, 2014
- p. Morgan Stanley & Co International plc GMSLA, November 16, 2021
- q. Nomura International plc GMSLA 03 August 2018
- r. Societe Generale GMSLA, September 28, 2016
- s. UBS AG GMSLA, May 26, 2016
- t. UBS AG GMSLA (Pledge), June 2, 2020
- u. UBS Europe SE GMSLA, 1 February 2019
- v. The Hongkong and Shanghai Banking Corporation Limited GMSLA, 22 February 2019
- w. RBC Europe Limited GMSLA, 4 February 2019
- x. ING BANK N.V. GMSLA, 27 February, 2019
- y. BANCO SANTANDER, S.A. GMSLA, 11 September, 2019

- z. Credit Suisse A.G., Singapore Branch GMSLA, 25 October, 2019
- aa. Natixis S.A. GMSLA, November 21, 2019.
- bb. CREDIT SUISSE INTERNATIONAL GMSLA, 4 April 2020
- cc. BNP Paribas Prime Brokerage International Limited GMSLA 22 November 2021

These counterparties do not pledge Australian equities:

- (a) Merrill Lynch, Pierce, Fenner Smith Incorporated

These counterparties do not have any business with us anymore although may have done previously:

- (a) Morgan Stanley Securities Limited (No Business) OSLA 15 March 1999

Royal Bank of Scotland N.V. **GMSLA, 12 October 2011 – No Business, superseded by Royal Bank of Scotland PLC**