

**Form 604**

**Corporations Act 2001**  
**Section 671B**

**Notice of change of interests of substantial holder**

To Company Name/Scheme OZ MINERALS LTD

ACN/ARSN 005 482 824

**1. Details of substantial holder(1)**

Name BlackRock Group (BlackRock Inc. and subsidiaries named in Annexures  
ACN/ARSN (if applicable) to this form)

There was a change in the interests of the  
substantial holder on 10 / 02 / 2022

The previous notice was given to the company on 11 / 05 / 2021

The previous notice was dated 07 / 05 / 2021

**2. Previous and present 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 when last required, and when now required, to give a substantial holding notice to the company or scheme, are as follows:

Class of securities (4)	Previous notice		Present notice	
	Person's votes	Voting power (5)	Person's votes	Voting power (5)
Ord	21,663,891	6.51	18,069,842	5.40

**3. Changes in relevant interests**

Particulars of each change in, or change in the nature of, a relevant interest of the substantial holder or an associate in voting securities of the company or scheme, since the substantial holder was last required to give a substantial holding notice to the company or scheme are as follows:

Date of change	Person whose relevant interest changed	Nature of change (6)	Consideration given in relation to change (7)	Class and number of securities affected	Person's votes affected
	See Annexure A				

**4. Present relevant interests**

Particulars of each relevant interest of the substantial holder in voting securities after the change are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Nature of relevant interest (6)	Class and number of securities	Person's votes
	See Annexure B				

## 5. Changes in association

The persons who have become associates (2) of, ceased to be associates of, or have changed the nature of their association (9) with, the substantial holder in relation to voting interests in the company or scheme are as follows:

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

## 6. Addresses

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

Name	Address
Annexure C	

## Signature

print name Maria Tricarico

capacity \*Authorised Signatory

sign here

date 14 / 02 / 2022

\* 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 6 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 person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
- (6) Include details of:
  - (a) any relevant agreement or other circumstances because of which the change in relevant interest occurred. 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.
- (7) 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.
- (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) Give details, if appropriate, of the present association and any change in that association since the last substantial holding notice.

This is Annexure A of 15 pages referred to in form 604 Notice of change of interests of substantial shareholder

14-Feb-22

Maria Tricarico,  
Authorised Signatory

Date

## 5. Consideration

OZ MINERALS LIMITED (OZL)							
Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
10-May-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,636	2,636
10-May-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	6,590	6,590
10-May-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,640	3,640
10-May-21	BlackRock Investment Management (Australia) Limited	on mkt sell	26.87	AUD	ORD	-12,308	-12,308
10-May-21	BlackRock Investment Management (Australia) Limited	on mkt sell	26.87	AUD	ORD	-9,412	-9,412
11-May-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,004	4,004
11-May-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,392	1,392
11-May-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,295	3,295
11-May-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	6,590	6,590
11-May-21	BlackRock Advisors (UK) Limited	on mkt buy	27.09	AUD	ORD	2,245	2,245
11-May-21	BlackRock Advisors (UK) Limited	on mkt sell	27.09	AUD	ORD	-10,074	-10,074
11-May-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	5,320	5,320
11-May-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	5,600	5,600
12-May-21	BlackRock Investment Management (Australia) Limited	on mkt sell	26.37	AUD	ORD	-31,061	-31,061
12-May-21	BlackRock Advisors (UK) Limited	on mkt buy	26.35	AUD	ORD	1,347	1,347
12-May-21	BlackRock Institutional Trust Company, National Association	on mkt buy	26.35	AUD	ORD	5,429	5,429
12-May-21	BlackRock Fund Advisors	on mkt sell	26.35	AUD	ORD	-28,648	-28,648
13-May-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,636	2,636
13-May-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	13,180	13,180
13-May-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,680	-1,680
14-May-21	BlackRock Investment Management (Australia) Limited	on mkt sell	25.16	AUD	ORD	-223	-223
17-May-21	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	-18,829	-18,829
17-May-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,170	4,170
17-May-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,614	3,614
17-May-21	BlackRock Investment Management, LLC	on mkt buy	24.81	AUD	ORD	1,600	1,600
18-May-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,760	2,760
18-May-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,760	2,760
18-May-21	BlackRock Investment Management (UK) Limited	on mkt sell	26.40	AUD	ORD	-41,014	-41,014
19-May-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,160	1,160
19-May-21	BlackRock Investment Management (Australia) Limited	on mkt sell	25.45	AUD	ORD	-58,778	-58,778
20-May-21	BlackRock Investment Management (Australia) Limited	on mkt buy	25.18	AUD	ORD	5,068	5,068
20-May-21	BlackRock Advisors (UK) Limited	on mkt buy	25.18	AUD	ORD	449	449
24-May-21	BlackRock Institutional Trust Company, National Association	on mkt sell	24.50	AUD	ORD	-24,531	-24,531
25-May-21	BlackRock Investment Management, LLC	on mkt sell	24.70	AUD	ORD	-545	-545
25-May-21	BlackRock Advisors (UK) Limited	on mkt buy	24.74	AUD	ORD	898	898
26-May-21	BlackRock Investment Management (Australia) Limited	on mkt sell	23.77	AUD	ORD	-16,929	-16,929
27-May-21	BlackRock Investment Management, LLC	on mkt sell	24.20	AUD	ORD	-359	-359
27-May-21	BlackRock Investment Management (UK) Limited	on mkt buy	24.27	AUD	ORD	12,902	12,902
27-May-21	BlackRock Institutional Trust Company, National Association	on mkt sell	24.27	AUD	ORD	-3,916	-3,916
27-May-21	BlackRock Investment Management (UK) Limited	on mkt sell	24.27	AUD	ORD	-365	-365
27-May-21	BlackRock Institutional Trust Company, National Association	on mkt sell	24.27	AUD	ORD	-1,334	-1,334

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
27-May-21	BlackRock Institutional Trust Company, National Association	on mkt sell	24.27	AUD	ORD	-1,040	-1,040
27-May-21	BlackRock Investment Management (UK) Limited	on mkt sell	24.27	AUD	ORD	-2,095	-2,095
27-May-21	BlackRock Fund Advisors	on mkt sell	24.27	AUD	ORD	-21,331	-21,331
27-May-21	BlackRock Institutional Trust Company, National Association	on mkt sell	24.27	AUD	ORD	-3,085	-3,085
27-May-21	BlackRock Institutional Trust Company, National Association	on mkt sell	24.27	AUD	ORD	-148	-148
27-May-21	BlackRock Institutional Trust Company, National Association	on mkt sell	24.27	AUD	ORD	-686	-686
27-May-21	BlackRock Institutional Trust Company, National Association	on mkt sell	24.27	AUD	ORD	-855	-855
27-May-21	BlackRock Investment Management (UK) Limited	on mkt sell	24.27	AUD	ORD	-795	-795
27-May-21	BlackRock Institutional Trust Company, National Association	on mkt sell	24.27	AUD	ORD	-2,262	-2,262
27-May-21	BlackRock Investment Management (UK) Limited	on mkt sell	24.27	AUD	ORD	-4,560	-4,560
27-May-21	BlackRock Fund Advisors	on mkt sell	24.27	AUD	ORD	-46,432	-46,432
27-May-21	BlackRock Institutional Trust Company, National Association	on mkt sell	24.27	AUD	ORD	-327	-327
27-May-21	BlackRock Institutional Trust Company, National Association	on mkt sell	24.27	AUD	ORD	-1,493	-1,493
27-May-21	BlackRock Institutional Trust Company, National Association	on mkt sell	24.27	AUD	ORD	-1,862	-1,862
27-May-21	BlackRock Investment Management (UK) Limited	on mkt sell	24.27	AUD	ORD	-300	-300
27-May-21	BlackRock Institutional Trust Company, National Association	on mkt sell	24.27	AUD	ORD	-856	-856
27-May-21	BlackRock Investment Management (UK) Limited	on mkt sell	24.27	AUD	ORD	-1,725	-1,725
27-May-21	BlackRock Fund Advisors	on mkt sell	24.27	AUD	ORD	-17,559	-17,559
27-May-21	BlackRock Institutional Trust Company, National Association	on mkt sell	24.27	AUD	ORD	-123	-123
27-May-21	BlackRock Institutional Trust Company, National Association	on mkt sell	24.27	AUD	ORD	-564	-564
27-May-21	BlackRock Institutional Trust Company, National Association	on mkt sell	24.27	AUD	ORD	-704	-704
28-May-21	BlackRock Institutional Trust Company, National Association	on mkt sell	25.42	AUD	ORD	-2,610	-2,610
01-Jun-21	BlackRock Fund Advisors	on mkt buy	25.73	AUD	ORD	11,035	11,035
02-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt buy	26.36	AUD	ORD	33,483	33,483
02-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt buy	26.32	AUD	ORD	2,650	2,650
02-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt buy	26.32	AUD	ORD	530	530
02-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt buy	26.32	AUD	ORD	530	530
02-Jun-21	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	-24,604	-24,604
03-Jun-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,920	3,920
03-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt sell	26.28	AUD	ORD	-15,566	-15,566
04-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt sell	25.34	AUD	ORD	-14,480	-14,480
08-Jun-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-10,941	-10,941
08-Jun-21	BlackRock Advisors (UK) Limited	on mkt sell	25.17	AUD	ORD	-449	-449
10-Jun-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-27,828	-27,828
10-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt buy	25.22	AUD	ORD	724	724
10-Jun-21	BlackRock Advisors (UK) Limited	on mkt sell	25.22	AUD	ORD	-898	-898
10-Jun-21	BlackRock Fund Advisors	on mkt sell	25.22	AUD	ORD	-7,730	-7,730
15-Jun-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,596	3,596
15-Jun-21	BlackRock Institutional Trust Company, National Association	on mkt sell	25.56	AUD	ORD	-2,396	-2,396
15-Jun-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,480	3,480
16-Jun-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-2,580	-2,580
16-Jun-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-3,100	-3,100
16-Jun-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-9,300	-9,300
17-Jun-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-3,096	-3,096

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
17-Jun-21	BlackRock Investment Management (UK) Limited	on mkt sell	22.95	AUD	ORD	-6,619	-6,619
17-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt sell	22.73	AUD	ORD	-29,322	-29,322
18-Jun-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-645	-645
18-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.51	AUD	ORD	1,405	1,405
18-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.51	AUD	ORD	1,630	1,630
18-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.51	AUD	ORD	1,681	1,681
18-Jun-21	BlackRock Investment Management (UK) Limited	on mkt buy	22.51	AUD	ORD	2,206	2,206
18-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.51	AUD	ORD	110	110
18-Jun-21	BlackRock Institutional Trust Company, National Association	on mkt buy	22.51	AUD	ORD	77	77
18-Jun-21	BlackRock Investment Management (UK) Limited	on mkt buy	22.51	AUD	ORD	9,123	9,123
18-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.51	AUD	ORD	1,027	1,027
18-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.51	AUD	ORD	14,176	14,176
18-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.51	AUD	ORD	1,014	1,014
18-Jun-21	BlackRock Institutional Trust Company, National Association	on mkt buy	22.51	AUD	ORD	1,271	1,271
18-Jun-21	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	22.51	AUD	ORD	887	887
18-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.51	AUD	ORD	4,889	4,889
18-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.51	AUD	ORD	5,042	5,042
18-Jun-21	BlackRock Investment Management, LLC	on mkt sell	22.51	AUD	ORD	-1,683	-1,683
18-Jun-21	BlackRock Investment Management (UK) Limited	on mkt buy	22.51	AUD	ORD	6,620	6,620
18-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.51	AUD	ORD	329	329
18-Jun-21	BlackRock Institutional Trust Company, National Association	on mkt buy	22.51	AUD	ORD	232	232
18-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt sell	22.51	AUD	ORD	-871	-871
18-Jun-21	BlackRock Investment Management (UK) Limited	on mkt buy	22.51	AUD	ORD	27,371	27,371
18-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.51	AUD	ORD	3,081	3,081
18-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.51	AUD	ORD	42,521	42,521
18-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.51	AUD	ORD	3,043	3,043
18-Jun-21	BlackRock Institutional Trust Company, National Association	on mkt buy	22.51	AUD	ORD	3,813	3,813
18-Jun-21	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	22.51	AUD	ORD	2,670	2,670
21-Jun-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-7,740	-7,740
21-Jun-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-3,106	-3,106
22-Jun-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-3,225	-3,225
23-Jun-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-9,288	-9,288
23-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.80	AUD	ORD	111,462	111,462
23-Jun-21	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	22.72	AUD	ORD	-17,881	-17,881
23-Jun-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-3,096	-3,096
24-Jun-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-2,580	-2,580
24-Jun-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-10,871	-10,871
28-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.39	AUD	ORD	1,444	1,444
30-Jun-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-2,580	-2,580
30-Jun-21	BlackRock Investment Management (Australia) Limited	on mkt sell	22.48	AUD	ORD	-5,321	-5,321
30-Jun-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-4,644	-4,644
01-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,535	-1,535

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
01-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-7,740	-7,740
01-Jul-21	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	22.17	AUD	ORD	705	705
01-Jul-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.14	AUD	ORD	3,610	3,610
01-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	5,520	5,520
02-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-4,755	-4,755
02-Jul-21	BlackRock Fund Advisors	on mkt buy	22.09	AUD	ORD	11,091	11,091
02-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,190	1,190
06-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-9,360	-9,360
07-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	7,398	7,398
08-Jul-21	BlackRock Advisors (UK) Limited	on mkt buy	22.23	AUD	ORD	449	449
09-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-10,955	-10,955
09-Jul-21	BlackRock Investment Management (Australia) Limited	on mkt buy	21.60	AUD	ORD	5,040	5,040
09-Jul-21	BLACKROCK ADVISORS LLC	in specie	n/a	AUD	ORD	-8,354	-8,354
09-Jul-21	BLACKROCK FINANCIAL MANAGEMENT, INC.	in specie	n/a	AUD	ORD	8,354	8,354
12-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-2,580	-2,580
13-Jul-21	BlackRock Investment Management (UK) Limited	on mkt buy	22.04	AUD	ORD	38,365	38,365
14-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	848	848
14-Jul-21	BlackRock Investment Management (UK) Limited	on mkt buy	21.98	AUD	ORD	2,585	2,585
14-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	636	636
15-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	5,800	5,800
15-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,856	1,856
15-Jul-21	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	-16,801	-16,801
16-Jul-21	BlackRock Investment Management (UK) Limited	on mkt sell	21.62	AUD	ORD	-1,449	-1,449
16-Jul-21	BlackRock Fund Advisors	on mkt sell	21.65	AUD	ORD	-5,305	-5,305
16-Jul-21	BlackRock Advisors (UK) Limited	on mkt sell	21.57	AUD	ORD	-32,777	-32,777
16-Jul-21	BlackRock Investment Management (UK) Limited	on mkt buy	21.57	AUD	ORD	31,506	31,506
16-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	8,220	8,220
19-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-4,680	-4,680
19-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-7,800	-7,800
19-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-14,040	-14,040
19-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-9,360	-9,360
19-Jul-21	BlackRock Advisors (UK) Limited	on mkt sell	20.81	AUD	ORD	-13,021	-13,021
19-Jul-21	BlackRock Investment Management (Australia) Limited	on mkt sell	20.81	AUD	ORD	-8,129	-8,129
20-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-9,354	-9,354
20-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,670	2,670
20-Jul-21	BLACKROCK ADVISORS LLC	on mkt sell	20.58	AUD	ORD	-3,218	-3,218
20-Jul-21	BlackRock Investment Management (UK) Limited	on mkt sell	20.58	AUD	ORD	-45,690	-45,690
20-Jul-21	BlackRock Advisors (UK) Limited	on mkt sell	20.49	AUD	ORD	-15,266	-15,266
20-Jul-21	BlackRock Investment Management (UK) Limited	on mkt sell	20.49	AUD	ORD	-42,754	-42,754
20-Jul-21	BlackRock Fund Advisors	on mkt sell	20.49	AUD	ORD	-47,041	-47,041
20-Jul-21	BlackRock Fund Advisors	on mkt sell	20.49	AUD	ORD	-14,329	-14,329
20-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	10,146	10,146
21-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	642	642
21-Jul-21	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	20.80	AUD	ORD	-192	-192
21-Jul-21	BlackRock Investment Management (Australia) Limited	on mkt buy	20.74	AUD	ORD	10,446	10,446
21-Jul-21	BlackRock Advisors (UK) Limited	on mkt sell	20.69	AUD	ORD	-13,470	-13,470
21-Jul-21	BlackRock Investment Management (Australia) Limited	on mkt sell	20.67	AUD	ORD	-14,238	-14,238
22-Jul-21	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	-74,347	-74,347
22-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-3,108	-3,108
23-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	666	666
23-Jul-21	BlackRock Investment Management (Australia) Limited	on mkt buy	21.21	AUD	ORD	5,404	5,404
23-Jul-21	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	-69,932	-69,932
26-Jul-21	BlackRock Institutional Trust Company, National Association	on mkt sell	22.03	AUD	ORD	-3,042	-3,042

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26-Jul-21	BlackRock Institutional Trust Company, National Association	on mkt sell	22.03	AUD	ORD	-4,051	-4,051
28-Jul-21	BlackRock Investment Management (Australia) Limited	on mkt buy	23.15	AUD	ORD	31,082	31,082
28-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,280	2,280
28-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	8,811	8,811
29-Jul-21	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	23.47	AUD	ORD	-705	-705
29-Jul-21	BlackRock Investment Management (Australia) Limited	on mkt buy	23.57	AUD	ORD	1,060	1,060
29-Jul-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,446	4,446
30-Jul-21	BlackRock Institutional Trust Company, National Association	on mkt buy	23.78	AUD	ORD	1,741	1,741
30-Jul-21	BlackRock Institutional Trust Company, National Association	on mkt buy	23.78	AUD	ORD	2,320	2,320
30-Jul-21	BlackRock Institutional Trust Company, National Association	on mkt buy	23.18	AUD	ORD	7,054	7,054
30-Jul-21	BlackRock Investment Management (UK) Limited	on mkt sell	23.18	AUD	ORD	-7,297	-7,297
02-Aug-21	BlackRock Institutional Trust Company, National Association	on mkt buy	23.03	AUD	ORD	1,301	1,301
02-Aug-21	BlackRock Institutional Trust Company, National Association	on mkt buy	23.03	AUD	ORD	1,731	1,731
02-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	5,340	5,340
03-Aug-21	BlackRock Investment Management (Australia) Limited	on mkt sell	22.69	AUD	ORD	-11,520	-11,520
04-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,320	2,320
04-Aug-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.87	AUD	ORD	10,808	10,808
04-Aug-21	BlackRock Investment Management (UK) Limited	on mkt sell	22.94	AUD	ORD	-3,256	-3,256
06-Aug-21	BlackRock Institutional Trust Company, National Association	on mkt sell	22.40	AUD	ORD	-1,344	-1,344
09-Aug-21	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	-3,431	-3,431
09-Aug-21	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ORD	-2,023	-2,023
10-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-5,160	-5,160
12-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-6,450	-6,450
12-Aug-21	BlackRock Investment Management, LLC	on mkt buy	22.99	AUD	ORD	736	736
13-Aug-21	BlackRock Investment Management (Australia) Limited	on mkt buy	23.11	AUD	ORD	1,590	1,590
13-Aug-21	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	52,703	52,703
16-Aug-21	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	71,319	71,319
16-Aug-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.21	AUD	ORD	2,160	2,160
17-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	6,256	6,256
17-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,471	3,471
17-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,088	2,088
17-Aug-21	BlackRock Investment Management (Australia) Limited	on mkt sell	22.10	AUD	ORD	-5,040	-5,040
17-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	6,256	6,256
18-Aug-21	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	99,795	99,795
18-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	660	660
18-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	23,310	23,310
18-Aug-21	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	22.01	AUD	ORD	-5,494	-5,494
19-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-4,515	-4,515
19-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-3,225	-3,225
19-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,140	3,140
19-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	15,700	15,700
19-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	7,850	7,850
19-Aug-21	BlackRock Investment Management (Australia) Limited	on mkt buy	21.52	AUD	ORD	3,960	3,960
20-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-12,900	-12,900
20-Aug-21	BlackRock Investment Management (UK) Limited	on mkt sell	20.68	AUD	ORD	-126,113	-126,113
20-Aug-21	BlackRock Investment Management (Australia) Limited	on mkt sell	20.78	AUD	ORD	-11,413	-11,413

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20-Aug-21	BlackRock Investment Management, LLC	on mkt sell	20.80	AUD	ORD	-736	-736
20-Aug-21	BlackRock Fund Advisors	on mkt buy	20.92	AUD	ORD	6,278	6,278
23-Aug-21	BlackRock Institutional Trust Company, National Association	on mkt sell	21.27	AUD	ORD	-1,750	-1,750
23-Aug-21	BlackRock Investment Management (Australia) Limited	on mkt buy	21.32	AUD	ORD	530	530
24-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,535	-1,535
25-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,124	3,124
25-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	6,248	6,248
25-Aug-21	BlackRock Investment Management (UK) Limited	on mkt buy	22.90	AUD	ORD	2,402	2,402
25-Aug-21	BlackRock Investment Management (UK) Limited	on mkt buy	22.90	AUD	ORD	1,071	1,071
25-Aug-21	BlackRock Investment Management (UK) Limited	on mkt buy	22.90	AUD	ORD	4,102	4,102
25-Aug-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.96	AUD	ORD	6,890	6,890
25-Aug-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.96	AUD	ORD	4,680	4,680
25-Aug-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.96	AUD	ORD	378	378
25-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,124	3,124
25-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	39,050	39,050
26-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,670	2,670
26-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-6,450	-6,450
26-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-2,580	-2,580
26-Aug-21	BLACKROCK ADVISORS LLC	on mkt buy	22.83	AUD	ORD	3,543	3,543
26-Aug-21	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	22.83	AUD	ORD	361	361
26-Aug-21	BlackRock Investment Management (Australia) Limited	on mkt sell	22.25	AUD	ORD	-2,160	-2,160
27-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	7,860	7,860
27-Aug-21	BlackRock Investment Management (Australia) Limited	on mkt sell	22.34	AUD	ORD	-15,543	-15,543
27-Aug-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.43	AUD	ORD	7,200	7,200
27-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	28,296	28,296
30-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	18,864	18,864
31-Aug-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	928	928
31-Aug-21	BlackRock Investment Management (Australia) Limited	on mkt buy	23.57	AUD	ORD	1,080	1,080
31-Aug-21	BlackRock Investment Management (UK) Limited	on mkt buy	23.57	AUD	ORD	3,562	3,562
31-Aug-21	BlackRock Fund Advisors	on mkt sell	23.57	AUD	ORD	-5,324	-5,324
31-Aug-21	BlackRock Investment Management (Australia) Limited	on mkt sell	23.57	AUD	ORD	-567	-567
31-Aug-21	BlackRock Institutional Trust Company, National Association	on mkt sell	23.57	AUD	ORD	-3,278	-3,278
01-Sep-21	BlackRock Investment Management (Australia) Limited	on mkt sell	23.87	AUD	ORD	-9,314	-9,314
02-Sep-21	BlackRock Investment Management (Australia) Limited	on mkt buy	23.86	AUD	ORD	1,046	1,046
02-Sep-21	BlackRock Investment Management, LLC	on mkt buy	23.86	AUD	ORD	1,877	1,877
02-Sep-21	BlackRock Investment Management (Australia) Limited	on mkt buy	23.86	AUD	ORD	413	413
02-Sep-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,136	3,136
02-Sep-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,712	1,712
03-Sep-21	BlackRock Institutional Trust Company, National Association	on mkt sell	24.30	AUD	ORD	-406	-406
03-Sep-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,136	3,136
03-Sep-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	15,680	15,680
06-Sep-21	BlackRock Investment Management (Australia) Limited	on mkt buy	24.18	AUD	ORD	4,320	4,320
06-Sep-21	BlackRock Investment Management (Australia) Limited	on mkt buy	24.18	AUD	ORD	32,400	32,400
07-Sep-21	BlackRock Investment Management (Australia) Limited	on mkt buy	23.94	AUD	ORD	23,040	23,040
08-Sep-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	663	663
08-Sep-21	BlackRock Investment Management (UK) Limited	on mkt sell	23.41	AUD	ORD	-684	-684



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08-Sep-21	BlackRock Investment Management (UK) Limited	on mkt sell	23.41	AUD	ORD	-1,165	-1,165
08-Sep-21	BlackRock Investment Management (Australia) Limited	on mkt buy	23.42	AUD	ORD	3,960	3,960
09-Sep-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.76	AUD	ORD	32,040	32,040
10-Sep-21	BlackRock Investment Management (Australia) Limited	on mkt buy	23.46	AUD	ORD	5,040	5,040
10-Sep-21	BlackRock Investment Management (Australia) Limited	on mkt sell	23.46	AUD	ORD	-51,480	-51,480
10-Sep-21	BlackRock Investment Management (Australia) Limited	on mkt sell	23.46	AUD	ORD	-360	-360
13-Sep-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	675	675
13-Sep-21	BlackRock Advisors (UK) Limited	on mkt sell	24.44	AUD	ORD	-3,250	-3,250
14-Sep-21	BlackRock Investment Management (UK) Limited	on mkt sell	24.89	AUD	ORD	-981	-981
14-Sep-21	BlackRock Investment Management (UK) Limited	on mkt sell	24.89	AUD	ORD	-559	-559
14-Sep-21	BlackRock Investment Management (UK) Limited	on mkt sell	24.89	AUD	ORD	-1,856	-1,856
15-Sep-21	BlackRock Investment Management (Australia) Limited	on mkt sell	24.33	AUD	ORD	-27,496	-27,496
15-Sep-21	BlackRock Investment Management (UK) Limited	on mkt sell	24.35	AUD	ORD	-28,427	-28,427
17-Sep-21	BlackRock Investment Management (Australia) Limited	on mkt sell	23.31	AUD	ORD	-16,020	-16,020
17-Sep-21	BlackRock Investment Management (Australia) Limited	on mkt buy	23.30	AUD	ORD	1,611	1,611
17-Sep-21	BlackRock Investment Management (UK) Limited	on mkt sell	23.30	AUD	ORD	-2,823	-2,823
17-Sep-21	BlackRock Investment Management (Australia) Limited	on mkt sell	23.30	AUD	ORD	-7,587	-7,587
17-Sep-21	BlackRock Investment Management (UK) Limited	on mkt buy	23.30	AUD	ORD	6,193	6,193
17-Sep-21	BlackRock Investment Management (Australia) Limited	on mkt buy	23.30	AUD	ORD	4,106	4,106
17-Sep-21	BlackRock Investment Management (Australia) Limited	on mkt buy	23.30	AUD	ORD	3,223	3,223
17-Sep-21	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	23.30	AUD	ORD	19,246	19,246
17-Sep-21	BlackRock Investment Management (Australia) Limited	on mkt buy	23.30	AUD	ORD	2,292	2,292
20-Sep-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.02	AUD	ORD	1,657	1,657
20-Sep-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,552	2,552
21-Sep-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,270	-1,270
21-Sep-21	BlackRock Institutional Trust Company, National Association	on mkt sell	21.71	AUD	ORD	-8,501	-8,501
22-Sep-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	687	687
22-Sep-21	BlackRock Investment Management (UK) Limited	on mkt sell	22.27	AUD	ORD	-737	-737
22-Sep-21	BlackRock Investment Management (UK) Limited	on mkt sell	22.27	AUD	ORD	-512	-512
22-Sep-21	BlackRock Investment Management (UK) Limited	on mkt sell	22.27	AUD	ORD	-1,081	-1,081
22-Sep-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	6,292	6,292
23-Sep-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,146	3,146
23-Sep-21	BlackRock Fund Advisors	on mkt buy	22.90	AUD	ORD	3,864	3,864
27-Sep-21	BlackRock Fund Advisors	on mkt buy	23.26	AUD	ORD	2,898	2,898
28-Sep-21	BlackRock Fund Advisors	on mkt buy	22.68	AUD	ORD	966	966
29-Sep-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.18	AUD	ORD	20,717	20,717
29-Sep-21	BlackRock Advisors (UK) Limited	on mkt sell	22.16	AUD	ORD	-10,841	-10,841
30-Sep-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,719	4,719
30-Sep-21	BlackRock Investment Management (Australia) Limited	on mkt sell	22.51	AUD	ORD	-12,153	-12,153
30-Sep-21	BlackRock Institutional Trust Company, National Association	on mkt sell	22.51	AUD	ORD	-7,480	-7,480
01-Oct-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	711	711
01-Oct-21	BLACKROCK ADVISORS LLC	on mkt buy	22.40	AUD	ORD	2,109	2,109
01-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt buy	21.84	AUD	ORD	1,611	1,611

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01-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt buy	21.84	AUD	ORD	3,620	3,620
04-Oct-21	BlackRock Fund Advisors	on mkt buy	22.35	AUD	ORD	1,932	1,932
04-Oct-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,272	4,272
04-Oct-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	7,476	7,476
05-Oct-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	645	645
05-Oct-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,204	3,204
05-Oct-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	5,874	5,874
05-Oct-21	BlackRock Asset Management Canada Limited	on mkt buy	21.79	AUD	ORD	19,925	19,925
05-Oct-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,005	4,005
06-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.10	AUD	ORD	21,031	21,031
06-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt buy	21.99	AUD	ORD	2,896	2,896
07-Oct-21	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	-30,694	-30,694
07-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt sell	21.92	AUD	ORD	-479	-479
07-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt sell	21.92	AUD	ORD	-1,973	-1,973
07-Oct-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,088	2,088
07-Oct-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,176	4,176
08-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.52	AUD	ORD	3,249	3,249
08-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.52	AUD	ORD	2,617	2,617
08-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt sell	22.52	AUD	ORD	-2,486	-2,486
08-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.52	AUD	ORD	7,385	7,385
08-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.52	AUD	ORD	2,207	2,207
12-Oct-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,310	-1,310
12-Oct-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	17,030	17,030
12-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt buy	23.00	AUD	ORD	6,821	6,821
12-Oct-21	BlackRock Investment Management (UK) Limited	on mkt buy	23.00	AUD	ORD	10,351	10,351
13-Oct-21	BlackRock Institutional Trust Company, National Association	on mkt buy	23.13	AUD	ORD	1,344	1,344
13-Oct-21	BlackRock Investment Management (UK) Limited	on mkt sell	23.19	AUD	ORD	-19,321	-19,321
13-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt buy	22.98	AUD	ORD	2,872	2,872
13-Oct-21	BlackRock Investment Management (UK) Limited	on mkt sell	22.98	AUD	ORD	-39,182	-39,182
14-Oct-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	908	908
14-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt sell	23.80	AUD	ORD	-19,311	-19,311
15-Oct-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	904	904
15-Oct-21	BlackRock Institutional Trust Company, National Association	on mkt buy	24.83	AUD	ORD	1,750	1,750
15-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt buy	25.03	AUD	ORD	1,569	1,569
15-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt buy	25.03	AUD	ORD	5,097	5,097
18-Oct-21	BlackRock Advisors (UK) Limited	on mkt buy	26.17	AUD	ORD	449	449
18-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt buy	26.17	AUD	ORD	5,265	5,265
18-Oct-21	BlackRock Institutional Trust Company, National Association	on mkt sell	26.17	AUD	ORD	-21,964	-21,964
19-Oct-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	7,209	7,209
20-Oct-21	BlackRock Institutional Trust Company, National Association	on mkt buy	26.05	AUD	ORD	406	406
20-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt buy	26.14	AUD	ORD	27,558	27,558
20-Oct-21	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	25.94	AUD	ORD	-116	-116
20-Oct-21	BlackRock Advisors (UK) Limited	on mkt buy	25.88	AUD	ORD	449	449
21-Oct-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,937	2,937
21-Oct-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	12,560	12,560

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22-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt buy	24.85	AUD	ORD	32,911	32,911
26-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt buy	25.41	AUD	ORD	581	581
26-Oct-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,204	3,204
27-Oct-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,340	2,340
27-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt buy	25.49	AUD	ORD	718	718
29-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt buy	25.13	AUD	ORD	1,078	1,078
29-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt buy	25.13	AUD	ORD	4,667	4,667
29-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt buy	25.13	AUD	ORD	123,450	123,450
29-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt buy	25.13	AUD	ORD	1,436	1,436
29-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt buy	25.13	AUD	ORD	928	928
29-Oct-21	BlackRock Investment Management (UK) Limited	on mkt buy	25.13	AUD	ORD	23,807	23,807
29-Oct-21	BlackRock Investment Management (Australia) Limited	on mkt sell	25.13	AUD	ORD	-4,006	-4,006
29-Oct-21	BlackRock Institutional Trust Company, National Association	on mkt sell	25.13	AUD	ORD	-2,800	-2,800
29-Oct-21	BlackRock Institutional Trust Company, National Association	on mkt buy	25.13	AUD	ORD	4,072	4,072
01-Nov-21	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	25.15	AUD	ORD	-1,437	-1,437
02-Nov-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,170	1,170
02-Nov-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	8,010	8,010
03-Nov-21	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	209,099	209,099
03-Nov-21	BlackRock Investment Management (Australia) Limited	on mkt buy	24.23	AUD	ORD	7,539	7,539
03-Nov-21	BlackRock Investment Management (Australia) Limited	on mkt buy	24.23	AUD	ORD	539	539
03-Nov-21	BlackRock Investment Management (Australia) Limited	on mkt sell	24.26	AUD	ORD	-21,694	-21,694
05-Nov-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-8,515	-8,515
05-Nov-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,340	2,340
05-Nov-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,287	1,287
05-Nov-21	BlackRock Investment Management (Australia) Limited	on mkt buy	23.91	AUD	ORD	7,180	7,180
05-Nov-21	BlackRock Investment Management (Australia) Limited	on mkt buy	23.91	AUD	ORD	4,308	4,308
05-Nov-21	BlackRock Investment Management (Australia) Limited	on mkt buy	23.91	AUD	ORD	718	718
05-Nov-21	BlackRock Investment Management (Australia) Limited	on mkt buy	23.91	AUD	ORD	539	539
08-Nov-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,120	1,120
08-Nov-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,704	4,704
08-Nov-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,310	-1,310
08-Nov-21	BlackRock Advisors (UK) Limited	on mkt buy	24.35	AUD	ORD	898	898
08-Nov-21	BlackRock Institutional Trust Company, National Association	on mkt buy	24.35	AUD	ORD	14,184	14,184
09-Nov-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	14,112	14,112
09-Nov-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,872	1,872
10-Nov-21	BlackRock Investment Management (Australia) Limited	on mkt buy	24.60	AUD	ORD	539	539
10-Nov-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,136	3,136
10-Nov-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	5,340	5,340
10-Nov-21	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ORD	-15,051	-15,051
12-Nov-21	BlackRock Investment Management (Australia) Limited	on mkt sell	25.69	AUD	ORD	-31,715	-31,715
15-Nov-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	672	672
15-Nov-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,076	1,076
15-Nov-21	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	4,547	4,547
17-Nov-21	BlackRock Advisors (UK) Limited	on mkt buy	25.61	AUD	ORD	449	449
17-Nov-21	BlackRock Advisors (UK) Limited	on mkt buy	25.61	AUD	ORD	898	898
17-Nov-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,861	3,861
18-Nov-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	678	678

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
18-Nov-21	BlackRock Investment Management (Australia) Limited	on mkt buy	26.32	AUD	ORD	539	539
18-Nov-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,421	2,421
18-Nov-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,965	-1,965
18-Nov-21	BlackRock Investment Management (Australia) Limited	on mkt buy	26.32	AUD	ORD	539	539
19-Nov-21	BlackRock Investment Management (Australia) Limited	on mkt buy	26.03	AUD	ORD	3,590	3,590
19-Nov-21	BlackRock Advisors (UK) Limited	on mkt buy	26.03	AUD	ORD	1,347	1,347
19-Nov-21	BlackRock Investment Management (UK) Limited	on mkt buy	26.03	AUD	ORD	20,181	20,181
19-Nov-21	BlackRock Investment Management (UK) Limited	on mkt buy	26.03	AUD	ORD	3,241	3,241
19-Nov-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	8,811	8,811
19-Nov-21	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ORD	-1,682	-1,682
22-Nov-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,204	3,204
22-Nov-21	BlackRock Advisors (UK) Limited	on mkt sell	25.92	AUD	ORD	-8,097	-8,097
22-Nov-21	BlackRock Investment Management (Australia) Limited	on mkt sell	25.92	AUD	ORD	-7,424	-7,424
22-Nov-21	BlackRock Fund Advisors	on mkt buy	25.92	AUD	ORD	5,234	5,234
23-Nov-21	BlackRock Investment Management (Australia) Limited	on mkt buy	26.27	AUD	ORD	359	359
23-Nov-21	BlackRock Investment Management (Australia) Limited	on mkt buy	26.27	AUD	ORD	5,385	5,385
23-Nov-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	675	675
24-Nov-21	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	-23,294	-23,294
24-Nov-21	BlackRock Investment Management (Australia) Limited	on mkt buy	25.92	AUD	ORD	2,156	2,156
24-Nov-21	BlackRock Investment Management (Australia) Limited	on mkt buy	25.92	AUD	ORD	3,590	3,590
25-Nov-21	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	-7,519	-7,519
26-Nov-21	BlackRock Investment Management (UK) Limited	on mkt sell	26.19	AUD	ORD	-4,533	-4,533
26-Nov-21	BlackRock Investment Management (Australia) Limited	on mkt buy	25.70	AUD	ORD	1,436	1,436
26-Nov-21	BlackRock Advisors (UK) Limited	on mkt buy	25.70	AUD	ORD	449	449
26-Nov-21	BlackRock Institutional Trust Company, National Association	on mkt sell	25.70	AUD	ORD	-1,681	-1,681
29-Nov-21	BlackRock Investment Management (Australia) Limited	on mkt buy	25.54	AUD	ORD	4,308	4,308
30-Nov-21	BlackRock Investment Management (Australia) Limited	on mkt buy	25.99	AUD	ORD	1,795	1,795
30-Nov-21	BlackRock Institutional Trust Company, National Association	on mkt sell	25.99	AUD	ORD	-1,743	-1,743
30-Nov-21	BlackRock Institutional Trust Company, National Association	on mkt sell	25.99	AUD	ORD	-2,883	-2,883
30-Nov-21	BlackRock Institutional Trust Company, National Association	on mkt sell	25.99	AUD	ORD	-11,001	-11,001
30-Nov-21	BlackRock Investment Management (UK) Limited	on mkt sell	25.99	AUD	ORD	-797	-797
30-Nov-21	BlackRock Institutional Trust Company, National Association	on mkt sell	25.99	AUD	ORD	-917	-917
30-Nov-21	BlackRock Fund Advisors	on mkt sell	25.99	AUD	ORD	-6,031	-6,031
30-Nov-21	BlackRock Fund Advisors	on mkt sell	25.99	AUD	ORD	-520	-520
30-Nov-21	BlackRock Fund Advisors	on mkt sell	25.99	AUD	ORD	-487	-487
30-Nov-21	BlackRock Investment Management (UK) Limited	on mkt sell	25.99	AUD	ORD	-2,399	-2,399
30-Nov-21	BlackRock Institutional Trust Company, National Association	on mkt sell	25.99	AUD	ORD	-2,753	-2,753
30-Nov-21	BlackRock Institutional Trust Company, National Association	on mkt buy	25.99	AUD	ORD	9,427	9,427
30-Nov-21	BlackRock Fund Advisors	on mkt sell	25.99	AUD	ORD	-18,078	-18,078
30-Nov-21	BlackRock Fund Advisors	on mkt sell	25.99	AUD	ORD	-1,562	-1,562
30-Nov-21	BlackRock Fund Advisors	on mkt sell	25.99	AUD	ORD	-1,469	-1,469
30-Nov-21	BlackRock Institutional Trust Company, National Association	on mkt buy	25.99	AUD	ORD	5,747	5,747
01-Dec-21	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	26.14	AUD	ORD	1,080	1,080
02-Dec-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	5,148	5,148
02-Dec-21	BlackRock Investment Management (Australia) Limited	on mkt sell	26.22	AUD	ORD	-10,770	-10,770

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
02-Dec-21	BlackRock Advisors (UK) Limited	on mkt buy	26.22	AUD	ORD	449	449
02-Dec-21	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	-544	-544
03-Dec-21	BlackRock Investment Management (UK) Limited	on mkt sell	26.47	AUD	ORD	-21,707	-21,707
03-Dec-21	BlackRock Investment Management (UK) Limited	on mkt sell	26.58	AUD	ORD	-4,198	-4,198
03-Dec-21	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	26.41	AUD	ORD	17	17
03-Dec-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	868	868
03-Dec-21	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	-4,836	-4,836
03-Dec-21	APERIO GROUP LLC	in specie	n/a	AUD	ORD	-231,681	-231,681
06-Dec-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,188	-1,188
06-Dec-21	BlackRock Investment Management (Australia) Limited	on mkt buy	26.53	AUD	ORD	28,720	28,720
06-Dec-21	BlackRock Investment Management (Australia) Limited	on mkt sell	26.53	AUD	ORD	-3,224	-3,224
07-Dec-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	669	669
07-Dec-21	BlackRock Investment Management (Australia) Limited	on mkt buy	26.37	AUD	ORD	30,515	30,515
07-Dec-21	BlackRock Advisors (UK) Limited	on mkt buy	26.37	AUD	ORD	898	898
07-Dec-21	BlackRock Institutional Trust Company, National Association	on mkt buy	26.37	AUD	ORD	18,696	18,696
08-Dec-21	BlackRock Advisors (UK) Limited	on mkt buy	26.90	AUD	ORD	610	610
08-Dec-21	BlackRock Investment Management (UK) Limited	on mkt buy	26.90	AUD	ORD	36,594	36,594
09-Dec-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	754	754
09-Dec-21	BlackRock Institutional Trust Company, National Association	on mkt buy	27.06	AUD	ORD	2,132	2,132
09-Dec-21	APERIO GROUP LLC	in specie	n/a	AUD	ORD	231,681	231,681
10-Dec-21	BlackRock Investment Management (Australia) Limited	on mkt buy	26.97	AUD	ORD	19,077	19,077
10-Dec-21	BlackRock Institutional Trust Company, National Association	on mkt buy	27.01	AUD	ORD	1,241	1,241
13-Dec-21	BlackRock Investment Management (Australia) Limited	on mkt sell	27.50	AUD	ORD	-10,052	-10,052
13-Dec-21	BlackRock Fund Advisors	on mkt sell	27.50	AUD	ORD	-14,670	-14,670
14-Dec-21	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	-43,256	-43,256
14-Dec-21	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	-48,320	-48,320
14-Dec-21	BlackRock Investment Management (Australia) Limited	on mkt buy	27.75	AUD	ORD	2,156	2,156
14-Dec-21	BlackRock Institutional Trust Company, National Association	on mkt sell	27.75	AUD	ORD	-3,615	-3,615
15-Dec-21	BlackRock Investment Management (Australia) Limited	on mkt buy	27.52	AUD	ORD	23,704	23,704
15-Dec-21	BlackRock Fund Advisors	on mkt buy	27.54	AUD	ORD	7,881	7,881
16-Dec-21	BlackRock Investment Management (UK) Limited	on mkt buy	26.94	AUD	ORD	4,313	4,313
16-Dec-21	BlackRock Investment Management (UK) Limited	on mkt sell	27.22	AUD	ORD	-323	-323
17-Dec-21	BlackRock Investment Management (UK) Limited	on mkt sell	27.37	AUD	ORD	-7,945	-7,945
17-Dec-21	BlackRock Institutional Trust Company, National Association	on mkt sell	27.37	AUD	ORD	-9,134	-9,134
17-Dec-21	BlackRock Investment Management (Australia) Limited	on mkt buy	27.37	AUD	ORD	300	300
17-Dec-21	BlackRock Investment Management (UK) Limited	on mkt sell	27.37	AUD	ORD	-6,645	-6,645
17-Dec-21	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	27.37	AUD	ORD	3,229	3,229
17-Dec-21	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	27.37	AUD	ORD	2,470	2,470
20-Dec-21	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	241,762	241,762
20-Dec-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,828	3,828
20-Dec-21	BlackRock Advisors (UK) Limited	on mkt sell	26.98	AUD	ORD	-7,545	-7,545
20-Dec-21	BlackRock Investment Management (Australia) Limited	on mkt buy	26.98	AUD	ORD	4,684	4,684
20-Dec-21	BlackRock Investment Management (Australia) Limited	on mkt buy	26.98	AUD	ORD	111	111

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22-Dec-21	BlackRock Investment Management (Australia) Limited	on mkt buy	27.57	AUD	ORD	533	533
22-Dec-21	BlackRock Investment Management (Australia) Limited	on mkt sell	27.57	AUD	ORD	-285	-285
22-Dec-21	BlackRock Investment Management (Australia) Limited	on mkt sell	27.54	AUD	ORD	-16,276	-16,276
23-Dec-21	BlackRock Investment Management (UK) Limited	on mkt sell	27.82	AUD	ORD	-2,879	-2,879
23-Dec-21	BlackRock Investment Management (UK) Limited	on mkt sell	27.82	AUD	ORD	-145,927	-145,927
23-Dec-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,060	1,060
23-Dec-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,058	3,058
23-Dec-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	5,800	5,800
23-Dec-21	BlackRock Advisors (UK) Limited	on mkt buy	27.82	AUD	ORD	898	898
24-Dec-21	BlackRock Investment Management (UK) Limited	on mkt sell	27.94	AUD	ORD	-3,953	-3,953
24-Dec-21	BlackRock Investment Management (UK) Limited	on mkt sell	28.04	AUD	ORD	-3,191	-3,191
24-Dec-21	BlackRock Investment Management (UK) Limited	on mkt sell	28.04	AUD	ORD	-161,715	-161,715
29-Dec-21	BlackRock Investment Management (UK) Limited	on mkt sell	28.44	AUD	ORD	-2,488	-2,488
29-Dec-21	BlackRock Investment Management (UK) Limited	on mkt sell	28.44	AUD	ORD	-126,077	-126,077
29-Dec-21	BlackRock Investment Management (Australia) Limited	on mkt sell	28.47	AUD	ORD	-19,219	-19,219
29-Dec-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	570	570
29-Dec-21	BlackRock Investment Management (Australia) Limited	on mkt buy	28.50	AUD	ORD	1,077	1,077
29-Dec-21	BlackRock Fund Advisors	on mkt buy	28.50	AUD	ORD	7,575	7,575
30-Dec-21	BlackRock Investment Management (UK) Limited	on mkt sell	28.66	AUD	ORD	-2,245	-2,245
30-Dec-21	BlackRock Investment Management (UK) Limited	on mkt sell	28.66	AUD	ORD	-113,781	-113,781
30-Dec-21	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,276	1,276
30-Dec-21	BlackRock Advisors (UK) Limited	on mkt buy	28.63	AUD	ORD	3,715	3,715
30-Dec-21	BlackRock Institutional Trust Company, National Association	on mkt buy	28.63	AUD	ORD	5,442	5,442
31-Dec-21	BlackRock Investment Management (UK) Limited	on mkt sell	28.38	AUD	ORD	-1,048	-1,048
31-Dec-21	BlackRock Investment Management (UK) Limited	on mkt sell	28.38	AUD	ORD	-53,130	-53,130
31-Dec-21	BlackRock Investment Management (Australia) Limited	on mkt sell	28.22	AUD	ORD	-901	-901
03-Jan-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	872	872
04-Jan-22	BlackRock Investment Management (UK) Limited	on mkt sell	28.72	AUD	ORD	-6,349	-6,349
04-Jan-22	BlackRock Investment Management (UK) Limited	on mkt sell	28.72	AUD	ORD	-321,767	-321,767
04-Jan-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	639	639
04-Jan-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	852	852
04-Jan-22	BlackRock Investment Management (UK) Limited	on mkt sell	28.78	AUD	ORD	-2,025	-2,025
04-Jan-22	BlackRock Investment Management (UK) Limited	on mkt sell	28.78	AUD	ORD	-102,612	-102,612
04-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt buy	28.80	AUD	ORD	5,026	5,026
05-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt sell	28.68	AUD	ORD	-40,924	-40,924
05-Jan-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,367	2,367
05-Jan-22	BlackRock Advisors (UK) Limited	on mkt buy	28.78	AUD	ORD	610	610
05-Jan-22	BlackRock Advisors (UK) Limited	on mkt buy	28.78	AUD	ORD	610	610
05-Jan-22	BlackRock Advisors (UK) Limited	on mkt buy	28.78	AUD	ORD	898	898
06-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt sell	28.95	AUD	ORD	-78,980	-78,980
06-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt sell	28.95	AUD	ORD	-7,539	-7,539
06-Jan-22	BlackRock Advisors (UK) Limited	on mkt buy	28.95	AUD	ORD	449	449
07-Jan-22	BlackRock Investment Management (UK) Limited	on mkt buy	28.98	AUD	ORD	482	482
07-Jan-22	BlackRock Investment Management (UK) Limited	on mkt buy	28.98	AUD	ORD	184	184

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07-Jan-22	BlackRock Investment Management (UK) Limited	on mkt buy	28.98	AUD	ORD	688	688
07-Jan-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,059	1,059
07-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt sell	29.02	AUD	ORD	-29,024	-29,024
10-Jan-22	APERIO GROUP LLC	in specie	n/a	AUD	ORD	-201,404	-201,404
11-Jan-22	BlackRock Investment Management (UK) Limited	on mkt buy	28.52	AUD	ORD	33,488	33,488
11-Jan-22	BlackRock Institutional Trust Company, National Association	on mkt buy	28.52	AUD	ORD	17,556	17,556
12-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt sell	28.78	AUD	ORD	-10,536	-10,536
13-Jan-22	BLACKROCK ADVISORS LLC	on mkt sell	29.20	AUD	ORD	-2,413	-2,413
13-Jan-22	BlackRock Investment Management (UK) Limited	on mkt sell	29.20	AUD	ORD	-2,042	-2,042
13-Jan-22	BlackRock Investment Management (UK) Limited	on mkt sell	29.20	AUD	ORD	-101,760	-101,760
13-Jan-22	BlackRock Investment Management (UK) Limited	on mkt sell	29.20	AUD	ORD	-23,138	-23,138
13-Jan-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	29.20	AUD	ORD	-240	-240
13-Jan-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	645	645
13-Jan-22	BLACKROCK ADVISORS LLC	on mkt sell	29.00	AUD	ORD	-22,435	-22,435
13-Jan-22	BlackRock Investment Management (UK) Limited	on mkt sell	29.00	AUD	ORD	-18,981	-18,981
13-Jan-22	BlackRock Investment Management (UK) Limited	on mkt sell	29.00	AUD	ORD	-945,157	-945,157
13-Jan-22	BlackRock Investment Management (UK) Limited	on mkt sell	29.00	AUD	ORD	-214,921	-214,921
13-Jan-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	29.00	AUD	ORD	-2,243	-2,243
13-Jan-22	BlackRock Advisors (UK) Limited	on mkt buy	29.14	AUD	ORD	898	898
14-Jan-22	BlackRock Investment Management (UK) Limited	on mkt buy	28.72	AUD	ORD	377	377
14-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt sell	28.73	AUD	ORD	-38,607	-38,607
14-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt sell	28.73	AUD	ORD	-16,626	-16,626
14-Jan-22	BlackRock Investment Management (UK) Limited	on mkt buy	28.75	AUD	ORD	14,430	14,430
14-Jan-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	215	215
18-Jan-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	9,936	9,936
18-Jan-22	BlackRock Investment Management (UK) Limited	on mkt buy	28.48	AUD	ORD	84,910	84,910
18-Jan-22	BlackRock Advisors (UK) Limited	on mkt buy	28.39	AUD	ORD	449	449
18-Jan-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	7,950	7,950
18-Jan-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	in specie	n/a	AUD	ORD	-11,544	-11,544
18-Jan-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	in specie	n/a	AUD	ORD	-1,289	-1,289
19-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt sell	28.18	AUD	ORD	-32,431	-32,431
19-Jan-22	BlackRock Investment Management (UK) Limited	on mkt buy	28.10	AUD	ORD	2,959	2,959
20-Jan-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,484	2,484
20-Jan-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	651	651
20-Jan-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	651	651
20-Jan-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	651	651
20-Jan-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,302	1,302
21-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt buy	28.24	AUD	ORD	6,728	6,728
21-Jan-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,484	2,484
24-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt sell	27.48	AUD	ORD	-2,154	-2,154
25-Jan-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,726	3,726
25-Jan-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	26.27	AUD	ORD	-3,646	-3,646
25-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt sell	26.27	AUD	ORD	-30,830	-30,830
25-Jan-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	7,890	7,890
27-Jan-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,347	4,347
27-Jan-22	BlackRock Advisors (UK) Limited	on mkt buy	25.51	AUD	ORD	898	898
27-Jan-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,915	3,915

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28-Jan-22	BlackRock Institutional Trust Company, National Association	on mkt buy	25.16	AUD	ORD	2,146	2,146
28-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt buy	25.18	AUD	ORD	4,774	4,774
28-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt buy	25.18	AUD	ORD	4,774	4,774
28-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt buy	25.18	AUD	ORD	4,774	4,774
28-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt sell	25.20	AUD	ORD	-24,554	-24,554
28-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt sell	25.20	AUD	ORD	-17,601	-17,601
28-Jan-22	BlackRock Investment Management (UK) Limited	on mkt sell	25.20	AUD	ORD	-9,065	-9,065
28-Jan-22	BlackRock Investment Management, LLC	on mkt sell	25.20	AUD	ORD	-5,858	-5,858
28-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt sell	25.20	AUD	ORD	-557	-557
28-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt sell	25.20	AUD	ORD	-8,365	-8,365
28-Jan-22	BlackRock Fund Advisors	on mkt sell	25.20	AUD	ORD	-2,723	-2,723
28-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt sell	25.20	AUD	ORD	-33,831	-33,831
28-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt sell	25.20	AUD	ORD	-5,938	-5,938
28-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt sell	25.20	AUD	ORD	-12,164	-12,164
28-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt sell	25.20	AUD	ORD	-62,781	-62,781
28-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt sell	25.20	AUD	ORD	-13,915	-13,915
28-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt buy	25.18	AUD	ORD	1,364	1,364
28-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt sell	25.18	AUD	ORD	-89,641	-89,641
28-Jan-22	BlackRock Investment Management (UK) Limited	on mkt buy	25.18	AUD	ORD	9,332	9,332
28-Jan-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	10,600	10,600
31-Jan-22	BlackRock Investment Management (Australia) Limited	on mkt buy	24.18	AUD	ORD	8,525	8,525
31-Jan-22	BlackRock Institutional Trust Company, National Association	on mkt sell	24.18	AUD	ORD	-47,214	-47,214
31-Jan-22	BlackRock Institutional Trust Company, National Association	on mkt sell	24.18	AUD	ORD	-3,726	-3,726
31-Jan-22	BlackRock Institutional Trust Company, National Association	on mkt buy	24.18	AUD	ORD	3,244	3,244
31-Jan-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,540	1,540
01-Feb-22	BlackRock Investment Management (UK) Limited	on mkt buy	24.13	AUD	ORD	14,610	14,610
01-Feb-22	BLACKROCK ADVISORS LLC	on mkt buy	24.12	AUD	ORD	3,947	3,947
01-Feb-22	BLACKROCK ADVISORS LLC	on mkt buy	24.12	AUD	ORD	3,425	3,425
01-Feb-22	BlackRock Institutional Trust Company, National Association	on mkt buy	24.12	AUD	ORD	9,446	9,446
01-Feb-22	BlackRock Institutional Trust Company, National Association	on mkt buy	24.12	AUD	ORD	3,556	3,556
01-Feb-22	BlackRock Asset Management Canada Limited	on mkt buy	24.12	AUD	ORD	3,188	3,188
01-Feb-22	BlackRock Asset Management Canada Limited	on mkt buy	24.12	AUD	ORD	5,941	5,941
01-Feb-22	BlackRock Institutional Trust Company, National Association	on mkt buy	24.12	AUD	ORD	8,739	8,739
02-Feb-22	BlackRock Institutional Trust Company, National Association	on mkt buy	24.79	AUD	ORD	647	647
02-Feb-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,484	2,484
02-Feb-22	BlackRock Investment Management (Australia) Limited	on mkt sell	24.91	AUD	ORD	-15,264	-15,264
02-Feb-22	BlackRock Investment Management (Australia) Limited	on mkt sell	24.91	AUD	ORD	-54,766	-54,766
02-Feb-22	BlackRock Investment Management (Australia) Limited	on mkt sell	24.95	AUD	ORD	-2,728	-2,728
02-Feb-22	BlackRock Advisors (UK) Limited	on mkt buy	24.95	AUD	ORD	1,347	1,347
02-Feb-22	BlackRock Advisors (UK) Limited	on mkt buy	24.95	AUD	ORD	449	449
02-Feb-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	5,260	5,260



Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
02-Feb-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,100	1,100
03-Feb-22	BlackRock Institutional Trust Company, National Association	on mkt sell	24.64	AUD	ORD	-72	-72
03-Feb-22	BlackRock Investment Management, LLC	on mkt buy	24.65	AUD	ORD	631	631
03-Feb-22	BlackRock Advisors (UK) Limited	on mkt sell	24.80	AUD	ORD	-3,832	-3,832
03-Feb-22	BlackRock Advisors (UK) Limited	on mkt buy	24.77	AUD	ORD	449	449
04-Feb-22	BlackRock Investment Management (Australia) Limited	on mkt buy	24.80	AUD	ORD	5,797	5,797
04-Feb-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	14,904	14,904
04-Feb-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,863	1,863
04-Feb-22	BlackRock Investment Management (Australia) Limited	on mkt sell	24.78	AUD	ORD	-27,394	-27,394
04-Feb-22	BlackRock Investment Management (Australia) Limited	on mkt sell	24.78	AUD	ORD	-87,482	-87,482
04-Feb-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	5,220	5,220
07-Feb-22	BlackRock Institutional Trust Company, National Association	on mkt sell	24.97	AUD	ORD	-195	-195
07-Feb-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,330	1,330
08-Feb-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,105	3,105
08-Feb-22	BlackRock Investment Management (Australia) Limited	on mkt buy	25.36	AUD	ORD	22,506	22,506
08-Feb-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,997	4,997
09-Feb-22	BlackRock Investment Management (UK) Limited	on mkt sell	25.53	AUD	ORD	-9,859	-9,859
09-Feb-22	BlackRock Investment Management (UK) Limited	on mkt sell	25.53	AUD	ORD	-270,247	-270,247
09-Feb-22	BlackRock Investment Management (Australia) Limited	on mkt sell	25.47	AUD	ORD	-23,110	-23,110
09-Feb-22	BlackRock Institutional Trust Company, National Association	on mkt buy	25.49	AUD	ORD	283	283
09-Feb-22	BLACKROCK ADVISORS LLC	on mkt buy	25.47	AUD	ORD	1,939	1,939
09-Feb-22	BlackRock Institutional Trust Company, National Association	on mkt buy	25.47	AUD	ORD	7,479	7,479
09-Feb-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	25.47	AUD	ORD	929	929
09-Feb-22	BlackRock Asset Management Canada Limited	on mkt buy	25.47	AUD	ORD	1,868	1,868
09-Feb-22	BlackRock Institutional Trust Company, National Association	on mkt buy	25.47	AUD	ORD	2,471	2,471
09-Feb-22	BlackRock Institutional Trust Company, National Association	on mkt buy	25.47	AUD	ORD	5,344	5,344
09-Feb-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,484	2,484
09-Feb-22	BlackRock Investment Management (UK) Limited	on mkt sell	25.44	AUD	ORD	-5,280	-5,280
09-Feb-22	BlackRock Investment Management (UK) Limited	on mkt sell	25.44	AUD	ORD	-144,720	-144,720
09-Feb-22	BlackRock Investment Management (Australia) Limited	on mkt buy	25.53	AUD	ORD	4,433	4,433
09-Feb-22	BlackRock Advisors (UK) Limited	on mkt buy	25.53	AUD	ORD	449	449
09-Feb-22	BlackRock Investment Management (Australia) Limited	on mkt buy	25.53	AUD	ORD	938	938
09-Feb-22	BlackRock Investment Management, LLC	on mkt buy	25.53	AUD	ORD	1,692	1,692
10-Feb-22	BlackRock Investment Management (UK) Limited	on mkt sell	26.29	AUD	ORD	-20,539	-20,539
10-Feb-22	BlackRock Investment Management (UK) Limited	on mkt sell	26.29	AUD	ORD	-562,993	-562,993
10-Feb-22	BlackRock Investment Management (Australia) Limited	on mkt sell	26.23	AUD	ORD	-7,502	-7,502
10-Feb-22	BlackRock Investment Management (Australia) Limited	on mkt sell	26.23	AUD	ORD	-8,184	-8,184
10-Feb-22	BlackRock Investment Management (Australia) Limited	on mkt sell	26.23	AUD	ORD	-6,251	-6,251
10-Feb-22	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,726	3,726

14-Feb-22

Maria Tricarico,  
Authorised Signatory

Date

4. Details of present registered holders

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association
APERIO GROUP LLC	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD30,278	30,278	Subsidiary of BlackRock, Inc.
BlackRock Advisors (UK) Limited	BNYM-BONY EUROPE - LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD207,924	207,924	Subsidiary of BlackRock, Inc.
BlackRock Advisors (UK) Limited	SSB-STATE STREET DUBLIN		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD112,235	112,235	Subsidiary of BlackRock, Inc.
BlackRock Advisors (UK) Limited	STATE STREET BANK, MUNICH, ZURICH BRANCH		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD43,503	43,503	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association	
BLACKROCK ADVISORS LLC	BNYM-THE BANK OF NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	67,239	67,239	Subsidiary of BlackRock, Inc.
BLACKROCK ADVISORS LLC	SSB-STATE STREET MUTUAL FUNDS - BOSTON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	3,425	3,425	Subsidiary of BlackRock, Inc.
BlackRock Asset Management Canada Limited	SSB-STATE STREET SACRAMENTO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	86,832	86,832	Subsidiary of BlackRock, Inc.
BlackRock Asset Management Canada Limited	BNYM-CIBC MELLON GLOBAL SECURITIES - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	10,997	10,997	Subsidiary of BlackRock, Inc.
BlackRock Asset Management North Asia Limited	Northern Trust Singapore		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	692	692	Subsidiary of BlackRock, Inc.
BlackRock Asset Management North Asia Limited	CITI-CITIBANK, HONG KONG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	1,855	1,855	Subsidiary of BlackRock, Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	BNYM-THE BANK OF NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	31,352	31,352	Subsidiary of BlackRock, Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	NT-NORTHERN TRUST UK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	7,071	7,071	Subsidiary of BlackRock, Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	370	370	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association
BlackRock Fund Advisors	SSB-STATE STREET SACRAMENTO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 4,354,690	4,354,690	Subsidiary of BlackRock, Inc.
BlackRock Fund Advisors	SSB-STATE STREET BANK, BOSTON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 48,578	48,578	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	BNYM-THE BANK OF NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 180,858	180,858	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	JPM-JP MORGAN CHASE - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 1,972,090	1,972,090	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	SSB-STATE STREET SACRAMENTO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 821	821	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	UBS- UBS- ZURICH		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 2,809	2,809	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	SSB-SSB NEW YORK INSTITUTIONAL		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 10,435	10,435	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	HSBC-HSBC SYDNEY		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 519,165	519,165	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	BNP-BNP PARIBAS AUSTRALIA - COGENT		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 70,717	70,717	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities		Person's votes	Nature of Association
BlackRock Investment Management (Australia) Limited	JPM-JPM CHASE - SYDNEY		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	544,743	544,743	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	Northern Trust Singapore		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	246,790	246,790	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	826,472	826,472	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	NT-NORTHERN TRUST UK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	289,322	289,322	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BNYM-BONY LUXEMBOURG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	5,131,058	5,131,058	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BNYM-BANK OF NY BRUS		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	196,358	196,358	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	Northern Trust Luxembourg		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	63,287	63,287	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	CB-Caceis Bank Amsterdam		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	36,494	36,494	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	CITI-CITIBANK, LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	244,618	244,618	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities		Person's votes	Nature of Association
BlackRock Investment Management (UK) Limited	SSB-STATE STREET LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	14,145	14,145	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BNP-BNP Paribas Milan		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	1,731	1,731	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BNYM-BONY EUROPE - LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	1,116,650	1,116,650	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	HSBC-HSBC - LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	241,905	241,905	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	CITI-CITIBANK INTERNATIONAL PLC (LUXEMBOURG BRANCH		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	28,127	28,127	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	BNYM-THE BANK OF NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	135,174	135,174	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	JPM-JP MORGAN CHASE - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	13,804	13,804	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	JPM-JPM CHASE - SYDNEY		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 responsible entity.	ORD	1,175,228	1,175,228	Subsidiary of BlackRock, Inc.

This is Annexure C of 1 page referred to in form 604 Notice of change of interests of substantial shareholder

Maria Tricarico,  
Authorised Signatory

14-Feb-22  
Date

7. Addresses

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

Name	Address
BlackRock Group	
BlackRock Inc.	55 East 52nd Street New York NY 10055 USA
BlackRock Advisors (UK) Limited	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom
BLACKROCK ADVISORS LLC	251 Little Falls Dr Wilmington, DE 19808-1674
BlackRock Asset Management Canada Limited	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada
BlackRock Asset Management North Asia Limited	15/F, 16/F, 17/F Citibank Tower & 17/F ICBC Tower, 3 Garden Road, Central, Hong Kong
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
APERIO GROUP LLC	2710 Gateway Oaks Drive, Suite 150N, Sacramento, CA 95833-3505