

Form 604

Corporations Act 2001
Section 671B

Notice of change of interests of substantial holder

To: Company Name/Scheme Centaurus Metals Limited
ACN/ARSN 009 468 099

1. Details of substantial holder (1)

Name Sprott Inc. (Sprott) and each of its controlled bodies corporate listed in Annexure B (the Sprott Group Entities)
ACN/ARSN (if applicable) N/A

There was a change in the interests of the
substantial holder on 6 April 2023
The previous notice was given to the company on 10 February 2021
The previous notice was dated 29 January 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)
Ordinary shares	34,595,700	10.61%	39,851,525	9.331%

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
Various dates set out in Annexure A	Sprott and each other Sprott Group Entity	Various trades on-market as set out in Annexure A	See Annexure A	See Annexure A	See Annexure A
Various dates	Sprott and each other Sprott Group Entity	No change in relevant interest, however, voting power changed as a result of dilution caused by the issue of new shares by Centaurus Metals Limited	N/A	N/A	N/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
Sprott, Resource Capital Investment Corp. (RCIC) and each other Sprott Group Entity	Various holders	Various holders	RCIC is a fund and investment manager with the power to exercise control over voting and disposal of the shares and therefore has a relevant interest under sections 608(1)(b) and (c) of the Corporations Act. Sprott has the same relevant interests as RCIC under section 608(3)(b) of the Corporations Act by virtue of RCIC being controlled by Sprott.	15,183,337 fully paid ordinary shares	15,183,337 fully paid ordinary shares

			Each of the Sprott Group Entities has the same relevant interests as RCIC under section 608(3)(a) of the Corporations Act by virtue of them each being controlled bodies corporate of Sprott and each Sprott Group Entity therefore having voting power of more than 20% in RCIC.		
Sprott, Sprott Asset Management USA Inc. (SAM USA) and each other Sprott Group Entity	Various holders	Various holders	<p>SAM USA is a fund and investment manager with the power to exercise control over voting and disposal of the shares and therefore has a relevant interest under sections 608(1)(b) and (c) of the Corporations Act.</p> <p>Sprott has the same relevant interests as SAM USA under section 608(3)(b) of the Corporations Act by virtue of SAM USA being controlled by Sprott.</p> <p>Each of the Sprott Group Entities has the same relevant interests as SAM USA under section 608(3)(a) of the Corporations Act by virtue of them each being controlled bodies corporate of Sprott and each Sprott Group Entity therefore having voting power of more than 20% in SAM USA.</p>	24,668,188 fully paid ordinary shares	24,668,188 fully paid ordinary shares

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
N/A	N/A

6. Addresses

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

Name	Address
Sprott and each Sprott Group Entity	Refer to Annexure B

Signature

print name Thomas W. Ulrich capacity General Counsel
 sign here  date April 17 2023

Annexure A

This is annexure A of 30 pages (including this page) referred to in Form 604 "Notice of change of interests of substantial holder".



Name: *Thomas W. Ulrich*

Date: *April 17 2023*

Date of Change	Holder of relevant interest	Nature of change	Consideration	Number of securities affected	Person's votes affected
2021-01-05	SAM USA	On market buy	0.640	6,000	6,000
2021-01-05	SAM USA	On market buy	0.660	4,200	4,200
2021-01-11	SAM USA	On market buy	0.660	10,000	10,000
2021-01-11	SAM USA	On market buy	0.660	20,000	20,000
2021-01-11	SAM USA	On market buy	0.660	10,000	10,000
2021-01-11	SAM USA	On market buy	0.660	30,000	30,000
2021-01-11	SAM USA	On market buy	0.660	12,667	12,667
2021-01-11	SAM USA	On market buy	0.660	33,334	33,334
2021-01-11	SAM USA	On market buy	0.660	10,000	10,000
2021-01-11	SAM USA	On market buy	0.660	16,667	16,667
2021-01-11	SAM USA	On market buy	0.660	104,000	104,000
2021-01-11	SAM USA	On market buy	0.660	15,000	15,000
2021-01-11	SAM USA	On market buy	0.660	11,667	11,667
2021-01-11	SAM USA	On market buy	0.660	20,000	20,000
2021-01-11	SAM USA	On market buy	0.660	20,000	20,000
2021-01-11	SAM USA	On market buy	0.660	36,667	36,667
2021-01-11	SAM USA	On market buy	0.660	20,000	20,000
2021-01-11	SAM USA	On market buy	0.660	15,000	15,000
2021-01-11	SAM USA	On market buy	0.660	13,334	13,334
2021-01-11	SAM USA	On market buy	0.660	16,667	16,667
2021-01-11	SAM USA	On market buy	0.660	50,000	50,000
2021-01-11	SAM USA	On market buy	0.660	8,000	8,000
2021-01-11	SAM USA	On market buy	0.660	30,000	30,000
2021-01-11	SAM USA	On market buy	0.660	50,000	50,000
2021-01-12	SAM USA	On market buy	0.650	20,000	20,000
2021-01-15	SAM USA	On market buy	0.700	4,500	4,500
2021-01-15	SAM USA	On market buy	0.700	1,600	1,600
2021-01-15	SAM USA	On market buy	0.700	4,600	4,600
2021-01-15	SAM USA	On market buy	0.700	9,700	9,700
2021-01-15	SAM USA	On market buy	0.700	4,400	4,400
2021-01-15	SAM USA	On market buy	0.700	400	400
2021-01-15	SAM USA	On market	0.700	100	100

2021-01-15	SAM USA	On market buy	0.700	100	100
2021-01-15	SAM USA	On market buy	0.700	100	100
2021-01-15	SAM USA	On market buy	0.700	400	400
2021-01-15	SAM USA	On market buy	0.700	600	600
2021-01-15	SAM USA	On market buy	0.700	13,700	13,700
2021-01-15	SAM USA	On market buy	0.700	200	200
2021-01-15	SAM USA	On market buy	0.700	800	800
2021-01-15	SAM USA	On market buy	0.700	1,000	1,000
2021-01-15	SAM USA	On market buy	0.700	1,100	1,100
2021-01-15	SAM USA	On market buy	0.700	800	800
2021-01-15	SAM USA	On market buy	0.700	400	400
2021-01-15	SAM USA	On market buy	0.700	100	100
2021-01-15	SAM USA	On market buy	0.700	100	100
2021-01-15	SAM USA	On market buy	0.700	800	800
2021-01-15	SAM USA	On market buy	0.700	1,600	1,600
2021-01-15	SAM USA	On market buy	0.700	2,300	2,300
2021-01-15	SAM USA	On market buy	0.700	16,200	16,200
2021-01-15	SAM USA	On market buy	0.700	200	200
2021-01-15	SAM USA	On market buy	0.700	300	300
2021-01-15	SAM USA	On market buy	0.700	2,500	2,500
2021-01-15	SAM USA	On market buy	0.700	11,300	11,300
2021-01-15	SAM USA	On market buy	0.700	1,900	1,900
2021-01-15	SAM USA	On market buy	0.700	200	200
2021-01-15	SAM USA	On market buy	0.700	100	100
2021-01-15	SAM USA	On market buy	0.700	800	800
2021-01-15	SAM USA	On market buy	0.700	300	300
2021-01-15	SAM USA	On market buy	0.700	400	400
2021-01-15	SAM USA	On market buy	0.700	3,100	3,100
2021-01-15	SAM USA	On market buy	0.700	1,800	1,800
2021-01-15	SAM USA	On market buy	0.700	300	300
2021-01-15	SAM USA	On market buy	0.700	300	300
2021-01-15	SAM USA	On market buy	0.700	500	500
2021-01-15	SAM USA	On market buy	0.700	300	300
2021-01-15	SAM USA	On market buy	0.700	300	300
2021-01-15	SAM USA	On market buy	0.700	1,200	1,200
2021-01-15	SAM USA	On market buy	0.700	900	900
2021-01-15	SAM USA	On market buy	0.700	600	600
2021-01-15	SAM USA	On market buy	0.700	3,500	3,500
2021-01-15	SAM USA	On market buy	0.700	100	100
2021-01-15	SAM USA	On market buy	0.700	500	500

2021-01-15	SAM USA	On market buy	0.700	200	200
2021-01-15	SAM USA	On market buy	0.700	1,100	1,100
2021-01-15	SAM USA	On market buy	0.700	9,200	9,200
2021-01-15	SAM USA	On market buy	0.700	56,900	56,900
2021-01-15	SAM USA	On market buy	0.700	300	300
2021-01-15	SAM USA	On market buy	0.700	200	200
2021-01-15	SAM USA	On market buy	0.700	700	700
2021-01-15	SAM USA	On market buy	0.700	1,500	1,500
2021-01-15	SAM USA	On market buy	0.700	1,300	1,300
2021-01-15	SAM USA	On market buy	0.700	1,100	1,100
2021-01-15	SAM USA	On market buy	0.700	900	900
2021-01-15	SAM USA	On market buy	0.700	100	100
2021-01-15	SAM USA	On market buy	0.700	1,800	1,800
2021-01-15	SAM USA	On market buy	0.700	1,100	1,100
2021-01-15	SAM USA	On market buy	0.700	100	100
2021-01-15	SAM USA	On market buy	0.700	2,200	2,200
2021-01-15	SAM USA	On market buy	0.700	200	200
2021-01-15	SAM USA	On market buy	0.700	400	400
2021-01-15	SAM USA	On market buy	0.700	300	300
2021-01-15	SAM USA	On market buy	0.700	1,100	1,100
2021-01-15	SAM USA	On market buy	0.700	2,500	2,500
2021-01-15	SAM USA	On market buy	0.700	300	300
2021-01-15	SAM USA	On market buy	0.700	29,000	29,000
2021-01-15	SAM USA	On market buy	0.700	700	700
2021-01-15	SAM USA	On market buy	0.700	200	200
2021-01-15	SAM USA	On market buy	0.700	200	200
2021-01-15	SAM USA	On market buy	0.700	200	200
2021-01-15	SAM USA	On market buy	0.700	400	400
2021-01-22	SAM USA	On market sell	0.660	5,666	5,666
2021-01-22	SAM USA	On market buy	0.670	15,000	15,000
2021-01-25	SAM USA	On market buy	0.660	50,000	50,000
2021-01-22	SAM USA	On market sell	0.670	15,000	15,000
2021-01-22	SAM USA	On market sell	0.670	15,000	15,000
2021-01-27	SAM USA	On market buy	0.650	12,065	12,065
2021-01-27	SAM USA	On market buy	0.650	3,236	3,236
2021-01-27	SAM USA	On market buy	0.650	5,705	5,705
2021-01-27	SAM USA	On market buy	0.650	6,500	6,500
2021-02-01	SAM USA	On market buy	0.620	20,000	20,000
2021-02-02	SAM USA	On market sell	0.610	11,870	11,870
2021-02-08	SAM USA	On market buy	0.640	10,000	10,000
2021-02-08	SAM USA	On market buy	0.640	20,000	20,000

2021-02-08	SAM USA	On market buy	0.650	5,000	5,000
2021-02-08	SAM USA	On market buy	0.650	12,000	12,000
2021-02-08	SAM LP	On market sell	0.820	42,288	42,288
2021-02-08	SAM LP	On market sell	0.810	18,800	18,800
2021-02-08	SAM LP	On market sell	0.820	47,687	47,687
2021-02-08	SAM LP	On market sell	0.810	21,200	21,200
2021-02-09	SAM LP	On market sell	0.823	93,322	93,322
2021-02-09	SAM USA	On market buy	0.650	6,000	6,000
2021-02-09	SAM USA	On market buy	0.650	30,000	30,000
2021-02-09	SAM LP	On market sell	0.823	82,758	82,758
2021-02-10	SAM LP	On market sell	0.822	38,907	38,907
2021-02-10	SAM LP	On market sell	0.822	34,502	34,502
2021-02-12	SAM USA	On market buy	0.640	15,500	15,500
2021-02-16	SAM USA	On market sell	0.331	13,740	13,740
2021-02-16	SAM USA	On market sell	0.369	25,004	25,004
2021-02-16	SAM USA	On market sell	0.351	66,826	66,826
2021-02-19	SAM USA	On market sell	0.680	3,800	3,800
2021-03-02	SAM USA	On market sell	0.673	60,000	60,000
2021-03-05	SAM USA	On market buy	0.564	8,100	8,100
2021-03-08	SAM USA	On market buy	0.730	49	49
2021-03-08	SAM USA	On market buy	0.730	691	691
2021-03-08	SAM USA	On market buy	0.715	720	720
2021-03-08	SAM USA	On market buy	0.720	840	840
2021-03-08	SAM USA	On market buy	0.725	91	91
2021-03-08	SAM USA	On market buy	0.725	96	96
2021-03-08	SAM USA	On market buy	0.730	880	880
2021-03-08	SAM USA	On market buy	0.730	1,050	1,050
2021-03-08	SAM USA	On market buy	0.740	700	700
2021-03-08	SAM USA	On market buy	0.730	1,200	1,200
2021-03-08	SAM USA	On market buy	0.725	720	720
2021-03-10	SAM USA	On market buy	0.562	10,000	10,000
2021-03-10	SAM USA	On market buy	0.570	17,500	17,500
2021-03-12	SAM USA	On market buy	0.606	8,041	8,041
2021-03-15	SAM USA	On market buy	0.610	15,000	15,000
2021-03-15	SAM USA	On market buy	0.610	20,000	20,000
2021-03-16	SAM USA	On market buy	0.625	15,670	15,670
2021-03-17	SAM USA	On market buy	0.640	21,872	21,872
2021-03-17	SAM USA	On market buy	0.640	68,759	68,759
2021-03-17	SAM USA	On market buy	0.640	33,789	33,789
2021-03-17	SAM USA	On market buy	0.640	14,121	14,121
2021-03-17	SAM USA	On market buy	0.640	70,000	70,000

2021-03-17	SAM USA	On market buy	0.640	55,000	55,000
2021-03-17	SAM USA	On market buy	0.640	6,353	6,353
2021-03-17	SAM USA	On market buy	0.640	8,391	8,391
2021-03-18	SAM USA	On market sell	0.623	23,256	23,256
2021-03-23	SAM USA	On market buy	0.800	3,372	3,372
2021-03-29	SAM USA	On market sell	0.623	12,000	12,000
2021-03-29	SAM USA	On market sell	0.623	9,000	9,000
2021-04-01	SAM USA	On market sell	0.540	12,964	12,964
2021-04-01	SAM USA	On market sell	0.540	13,600	13,600
2021-04-06	SAM USA	On market sell	0.549	32,990	32,990
2021-04-06	SAM USA	On market buy	0.560	17,500	17,500
2021-04-07	SAM USA	On market buy	0.574	21,800	21,800
2021-04-09	SAM USA	On market buy	0.553	10,000	10,000
2021-04-15	SAM USA	On market buy	0.533	60,000	60,000
2021-04-16	SAM USA	On market buy	0.690	4,427	4,427
2021-04-20	SAM USA	On market buy	0.527	6,900	6,900
2021-04-20	SAM USA	On market buy	0.527	200	200
2021-04-20	SAM USA	On market buy	0.527	200	200
2021-04-20	SAM USA	On market buy	0.527	100	100
2021-04-20	SAM USA	On market buy	0.527	200	200
2021-04-20	SAM USA	On market buy	0.527	1,700	1,700
2021-04-20	SAM USA	On market buy	0.527	6,100	6,100
2021-04-20	SAM USA	On market buy	0.527	900	900
2021-04-20	SAM USA	On market buy	0.527	1,600	1,600
2021-04-20	SAM USA	On market buy	0.527	1,000	1,000
2021-04-20	SAM USA	On market buy	0.527	7,200	7,200
2021-04-20	SAM USA	On market buy	0.527	4,200	4,200
2021-04-20	SAM USA	On market buy	0.527	3,500	3,500
2021-04-20	SAM USA	On market buy	0.527	1,000	1,000
2021-04-20	SAM USA	On market buy	0.527	500	500
2021-04-20	SAM USA	On market buy	0.527	100	100
2021-04-20	SAM USA	On market buy	0.527	500	500
2021-04-20	SAM USA	On market buy	0.527	4,100	4,100
2021-04-20	SAM USA	On market buy	0.527	900	900
2021-04-20	SAM USA	On market buy	0.527	500	500
2021-04-20	SAM USA	On market buy	0.527	1,100	1,100
2021-04-20	SAM USA	On market buy	0.527	1,200	1,200
2021-04-20	SAM USA	On market buy	0.527	12,800	12,800
2021-04-20	SAM USA	On market buy	0.527	700	700
2021-04-20	SAM USA	On market buy	0.527	2,800	2,800
2021-04-20	SAM USA	On market buy	0.527	1,900	1,900

2021-04-20	SAM USA	On market buy	0.527	2,600	2,600
2021-04-20	SAM USA	On market buy	0.527	400	400
2021-04-20	SAM USA	On market buy	0.527	500	500
2021-04-20	SAM USA	On market buy	0.527	5,600	5,600
2021-04-20	SAM USA	On market buy	0.527	100	100
2021-04-20	SAM USA	On market buy	0.527	7,100	7,100
2021-04-20	SAM USA	On market buy	0.527	300	300
2021-04-20	SAM USA	On market buy	0.527	5,900	5,900
2021-04-20	SAM USA	On market buy	0.527	700	700
2021-04-20	SAM USA	On market buy	0.527	700	700
2021-04-20	SAM USA	On market buy	0.527	8,200	8,200
2021-04-20	SAM USA	On market buy	0.527	2,500	2,500
2021-04-20	SAM USA	On market buy	0.527	1,300	1,300
2021-04-20	SAM USA	On market buy	0.527	2,100	2,100
2021-04-20	SAM USA	On market buy	0.527	1,900	1,900
2021-04-20	SAM USA	On market buy	0.527	600	600
2021-04-20	SAM USA	On market buy	0.527	1,600	1,600
2021-04-20	SAM USA	On market buy	0.527	1,300	1,300
2021-04-20	SAM USA	On market buy	0.527	400	400
2021-04-20	SAM USA	On market buy	0.527	2,600	2,600
2021-04-20	SAM USA	On market buy	0.527	2,700	2,700
2021-04-20	SAM USA	On market buy	0.527	1,800	1,800
2021-04-20	SAM USA	On market buy	0.527	1,000	1,000
2021-04-20	SAM USA	On market buy	0.527	1,000	1,000
2021-04-20	SAM USA	On market buy	0.527	700	700
2021-04-20	SAM USA	On market buy	0.527	1,300	1,300
2021-04-20	SAM USA	On market buy	0.527	100	100
2021-04-20	SAM USA	On market buy	0.527	4,500	4,500
2021-04-20	SAM USA	On market buy	0.527	5,100	5,100
2021-04-20	SAM USA	On market buy	0.527	200	200
2021-04-20	SAM USA	On market buy	0.527	600	600
2021-04-20	SAM USA	On market buy	0.527	2,600	2,600
2021-04-20	SAM USA	On market buy	0.527	12,500	12,500
2021-04-20	SAM USA	On market buy	0.527	6,600	6,600
2021-04-20	SAM USA	On market buy	0.527	6,600	6,600
2021-04-20	SAM USA	On market buy	0.527	600	600
2021-04-20	SAM USA	On market buy	0.527	2,400	2,400
2021-04-20	SAM USA	On market buy	0.527	1,200	1,200
2021-04-20	SAM USA	On market buy	0.527	7,100	7,100
2021-04-20	SAM USA	On market buy	0.527	200	200
2021-04-20	SAM USA	On market buy	0.527	5,800	5,800

2021-04-20	SAM USA	On market buy	0.527	6,900	6,900
2021-04-20	SAM USA	On market buy	0.527	4,500	4,500
2021-04-20	SAM USA	On market buy	0.527	3,400	3,400
2021-04-20	SAM USA	On market buy	0.527	3,200	3,200
2021-04-20	SAM USA	On market buy	0.527	900	900
2021-04-20	SAM USA	On market buy	0.527	3,700	3,700
2021-04-20	SAM USA	On market buy	0.527	4,500	4,500
2021-04-20	SAM USA	On market buy	0.527	600	600
2021-04-20	SAM USA	On market buy	0.527	2,400	2,400
2021-04-20	SAM USA	On market buy	0.527	300	300
2021-04-20	SAM USA	On market buy	0.527	2,900	2,900
2021-04-20	SAM USA	On market buy	0.527	2,900	2,900
2021-04-20	SAM USA	On market buy	0.527	1,600	1,600
2021-04-20	SAM USA	On market buy	0.527	1,700	1,700
2021-04-20	SAM USA	On market buy	0.527	11,100	11,100
2021-04-20	SAM USA	On market buy	0.527	900	900
2021-04-20	SAM USA	On market buy	0.527	500	500
2021-04-20	SAM USA	On market buy	0.527	9,900	9,900
2021-04-20	SAM USA	On market buy	0.527	1,200	1,200
2021-04-20	SAM USA	On market buy	0.527	2,000	2,000
2021-04-20	SAM USA	On market buy	0.527	1,800	1,800
2021-04-20	SAM USA	On market buy	0.527	1,000	1,000
2021-04-20	SAM USA	On market buy	0.527	500	500
2021-04-20	SAM USA	On market buy	0.527	700	700
2021-04-20	SAM USA	On market buy	0.527	600	600
2021-04-20	SAM USA	On market buy	0.527	2,700	2,700
2021-04-20	SAM USA	On market buy	0.527	3,700	3,700
2021-04-20	SAM USA	On market buy	0.527	11,200	11,200
2021-04-20	SAM USA	On market buy	0.527	800	800
2021-04-20	SAM USA	On market buy	0.527	600	600
2021-04-20	SAM USA	On market buy	0.527	8,400	8,400
2021-04-20	SAM USA	On market buy	0.527	1,000	1,000
2021-04-20	SAM USA	On market buy	0.527	700	700
2021-04-20	SAM USA	On market buy	0.527	1,600	1,600
2021-04-20	SAM USA	On market buy	0.527	100	100
2021-04-20	SAM USA	On market buy	0.527	1,000	1,000
2021-04-20	SAM USA	On market buy	0.527	4,300	4,300
2021-04-20	SAM USA	On market buy	0.527	1,400	1,400
2021-04-20	SAM USA	On market buy	0.527	300	300
2021-04-20	SAM USA	On market buy	0.527	100	100
2021-04-20	SAM USA	On market buy	0.527	2,000	2,000

2021-04-20	SAM USA	On market buy	0.527	300	300
2021-04-20	SAM USA	On market buy	0.527	1,900	1,900
2021-04-20	SAM USA	On market buy	0.527	500	500
2021-04-20	SAM USA	On market buy	0.527	1,800	1,800
2021-04-20	SAM USA	On market buy	0.527	2,900	2,900
2021-04-20	SAM USA	On market buy	0.527	300	300
2021-04-20	SAM USA	On market buy	0.527	3,600	3,600
2021-04-20	SAM USA	On market buy	0.527	20,000	20,000
2021-04-20	SAM USA	On market buy	0.527	5,800	5,800
2021-04-20	SAM USA	On market buy	0.527	6,800	6,800
2021-04-20	SAM USA	On market buy	0.527	1,200	1,200
2021-04-20	SAM USA	On market buy	0.527	2,900	2,900
2021-04-21	SAM USA	On market buy	0.529	4,000	4,000
2021-04-21	SAM USA	On market buy	0.506	15,000	15,000
2021-04-28	SAM USA	On market buy	0.545	7,357	7,357
2021-04-30	SAM USA	On market buy	0.549	15,700	15,700
2021-04-30	SAM USA	On market buy	0.549	8,275	8,275
2021-05-04	SAM USA	On market buy	0.536	9,150	9,150
2021-05-06	SAM USA	On market sell	0.517	2,900	2,900
2021-05-06	SAM USA	On market buy	0.675	1,615	1,615
2021-05-06	SAM USA	On market buy	0.675	1,298	1,298
2021-05-10	SAM USA	On market buy	0.571	5,200	5,200
2021-05-11	SAM USA	On market buy	0.556	5,700	5,700
2021-05-11	SAM USA	On market buy	0.556	18,700	18,700
2021-05-11	SAM USA	On market buy	0.556	40,841	40,841
2021-05-11	SAM USA	On market buy	0.556	33,279	33,279
2021-05-11	SAM USA	On market buy	0.556	33,790	33,790
2021-05-11	SAM USA	On market buy	0.556	12,770	12,770
2021-05-11	SAM USA	On market buy	0.556	18,901	18,901
2021-05-11	SAM USA	On market buy	0.571	8,580	8,580
2021-05-17	SAM USA	On market buy	0.554	3,500	3,500
2021-05-18	SAM USA	On market buy	0.543	55,000	55,000
2021-05-18	SAM USA	On market buy	0.551	400	400
2021-05-18	SAM USA	On market buy	0.551	5,000	5,000
2021-05-18	SAM USA	On market buy	0.551	5,500	5,500
2021-05-18	SAM USA	On market buy	0.551	2,300	2,300
2021-05-18	SAM USA	On market buy	0.551	71,000	71,000
2021-05-18	SAM USA	On market buy	0.551	17,850	17,850
2021-05-19	SAM USA	On market buy	0.546	18,300	18,300
2021-05-20	SAM USA	On market buy	0.708	1,542	1,542
2021-05-21	SAM USA	On market buy	0.734	22,541	22,541

2021-05-21	SAM USA	On market buy	0.743	22,198	22,198
2021-05-21	SAM USA	On market buy	0.734	1,639	1,639
2021-05-21	SAM USA	On market buy	0.743	1,614	1,614
2021-05-25	SAM USA	On market buy	0.572	4,360	4,360
2021-05-28	SAM USA	On market buy	0.546	119,582	119,582
2021-05-28	SAM USA	On market buy	0.557	1	1
2021-06-01	SAM USA	On market buy	0.556	4,799	4,799
2021-06-01	SAM USA	On market buy	0.538	40,000	40,000
2021-06-01	SAM USA	On market buy	0.548	86,418	86,418
2021-06-02	SAM USA	On market buy	0.538	7,400	7,400
2021-06-02	SAM USA	On market buy	0.538	18,000	18,000
2021-06-04	SAM USA	On market buy	0.521	120,000	120,000
2021-06-08	SAM USA	On market buy	0.507	10,000	10,000
2021-06-08	SAM USA	On market buy	0.507	10,000	10,000
2021-06-08	SAM USA	On market sell	0.505	13,366	13,366
2021-06-10	SAM USA	On market buy	0.549	70,000	70,000
2021-06-10	SAM USA	On market buy	0.541	40,000	40,000
2021-06-16	SAM USA	On market buy	0.567	17,687	17,687
2021-06-16	SAM USA	On market buy	0.567	4,900	4,900
2021-06-16	SAM USA	On market buy	0.552	7,300	7,300
2021-06-17	SAM USA	On market buy	0.546	50,000	50,000
2021-06-17	SAM USA	On market buy	0.546	10,000	10,000
2021-06-17	SAM USA	On market buy	0.546	20,000	20,000
2021-06-17	SAM USA	On market buy	0.546	40,000	40,000
2021-06-17	SAM USA	On market buy	0.546	30,000	30,000
2021-06-17	SAM USA	On market buy	0.546	100,000	100,000
2021-06-17	SAM USA	On market buy	0.546	20,000	20,000
2021-06-17	SAM USA	On market buy	0.546	25,000	25,000
2021-06-17	SAM USA	On market buy	0.546	20,000	20,000
2021-06-17	SAM USA	On market buy	0.546	20,000	20,000
2021-06-17	SAM USA	On market buy	0.546	10,000	10,000
2021-06-17	SAM USA	On market buy	0.546	20,000	20,000
2021-06-17	SAM USA	On market buy	0.546	20,000	20,000
2021-06-17	SAM USA	On market buy	0.546	15,000	15,000
2021-06-17	SAM USA	On market buy	0.546	90,000	90,000
2021-06-17	SAM USA	On market buy	0.546	35,000	35,000
2021-06-17	SAM USA	On market buy	0.546	100,000	100,000
2021-06-17	SAM USA	On market buy	0.546	10,000	10,000
2021-06-17	SAM USA	On market buy	0.546	43,334	43,334
2021-06-17	SAM USA	On market buy	0.546	18,000	18,000
2021-06-17	SAM USA	On market buy	0.546	30,000	30,000

2021-06-17	SAM USA	On market buy	0.546	25,000	25,000
2021-06-17	SAM USA	On market buy	0.546	35,000	35,000
2021-06-17	SAM USA	On market buy	0.546	26,667	26,667
2021-06-17	SAM USA	On market buy	0.536	70,000	70,000
2021-06-17	SAM USA	On market buy	0.546	20,000	20,000
2021-06-17	SAM USA	On market buy	0.546	20,000	20,000
2021-06-17	SAM USA	On market buy	0.546	10,000	10,000
2021-06-17	SAM USA	On market buy	0.546	20,000	20,000
2021-06-17	SAM USA	On market buy	0.546	10,000	10,000
2021-06-17	SAM USA	On market buy	0.546	13,334	13,334
2021-06-17	SAM USA	On market buy	0.546	10,000	10,000
2021-06-17	SAM USA	On market buy	0.546	20,000	20,000
2021-06-17	SAM USA	On market buy	0.546	25,000	25,000
2021-06-17	SAM USA	On market buy	0.546	20,000	20,000
2021-06-17	SAM USA	On market buy	0.546	25,000	25,000
2021-06-17	SAM USA	On market buy	0.546	20,000	20,000
2021-06-17	SAM USA	On market buy	0.546	10,000	10,000
2021-06-17	SAM USA	On market buy	0.546	25,000	25,000
2021-06-17	SAM USA	On market buy	0.546	30,000	30,000
2021-06-17	SAM USA	On market buy	0.546	15,000	15,000
2021-06-17	SAM USA	On market buy	0.546	30,000	30,000
2021-06-17	SAM USA	On market buy	0.546	100,000	100,000
2021-06-17	SAM USA	On market buy	0.546	15,000	15,000
2021-06-17	SAM USA	On market buy	0.546	60,000	60,000
2021-06-17	SAM USA	On market buy	0.546	10,000	10,000
2021-06-17	SAM USA	On market buy	0.546	4,000	4,000
2021-06-17	SAM USA	On market buy	0.546	20,000	20,000
2021-06-17	SAM USA	On market buy	0.546	3,000	3,000
2021-06-17	SAM USA	On market buy	0.546	25,000	25,000
2021-06-17	SAM USA	On market buy	0.546	20,000	20,000
2021-06-17	SAM USA	On market buy	0.546	13,000	13,000
2021-06-17	SAM USA	On market buy	0.546	30,000	30,000
2021-06-17	SAM USA	On market buy	0.546	23,334	23,334
2021-06-17	SAM USA	On market buy	0.546	15,000	15,000
2021-06-17	SAM USA	On market buy	0.546	100,000	100,000
2021-06-17	SAM USA	On market buy	0.546	10,000	10,000
2021-07-01	SAM USA	On market buy	0.780	3,250	3,250
2021-07-07	SAM USA	On market buy	0.606	25,000	25,000
2021-07-09	SAM USA	On market buy	0.810	3,294	3,294
2021-07-15	SAM USA	On market buy	0.615	9,000	9,000
2021-07-22	SAM USA	On market sell	0.612	34,500	34,500

2021-07-23	SAM USA	On market sell	0.623	9,500	9,500
2021-07-23	SAM USA	On market sell	0.623	10,000	10,000
2021-07-26	SAM USA	On market sell	0.655	9,869	9,869
2021-07-27	SAM USA	On market sell	0.634	13,131	13,131
2021-08-03	SAM USA	On market sell	0.950	9,000	9,000
2021-08-04	SAM USA	On market buy	0.732	15,000	15,000
2021-08-04	SAM USA	On market buy	0.732	15,000	15,000
2021-08-04	SAM USA	On market buy	1.025	1,736	1,736
2021-08-05	SAM USA	On market sell	0.732	15,000	15,000
2021-08-09	SAM USA	On market buy	0.722	10,515	10,515
2021-08-09	SAM USA	On market buy	0.722	10,515	10,515
2021-08-09	SAM USA	On market buy	0.707	15,000	15,000
2021-08-11	SAM USA	On market sell	0.699	12,000	12,000
2021-08-16	SAM USA	On market buy	0.960	3,341	3,341
2021-08-18	SAM USA	On market sell	0.645	7,268	7,268
2021-08-18	SAM USA	On market sell	0.645	19,700	19,700
2021-08-26	SAM USA	On market buy	0.722	10,515	10,515
2021-08-27	SAM USA	On market sell	0.950	2,500	2,500
2021-09-02	SAM USA	On market sell	0.723	2,000	2,000
2021-09-07	SAM USA	On market buy	0.749	4,700	4,700
2021-09-07	SAM USA	On market buy	0.749	2,700	2,700
2021-09-08	SAM USA	On market sell	0.747	34,816	34,816
2021-09-09	SAM USA	On market sell	0.739	33,000	33,000
2021-09-10	SAM USA	On market buy	1.080	3,345	3,345
2021-09-13	SAM USA	On market buy	0.781	6,467	6,467
2021-09-14	SAM USA	On market buy	0.783	7,000	7,000
2021-09-14	SAM USA	On market buy	0.783	21,000	21,000
2021-09-14	SAM USA	On market buy	0.783	7,500	7,500
2021-09-14	SAM USA	On market buy	0.783	25,000	25,000
2021-09-14	SAM USA	On market buy	0.783	25,000	25,000
2021-09-14	SAM USA	On market buy	0.783	7,000	7,000
2021-09-14	SAM USA	On market buy	0.783	25,000	25,000
2021-09-14	SAM USA	On market buy	0.783	25,000	25,000
2021-09-14	SAM USA	On market buy	0.783	25,000	25,000
2021-09-14	SAM USA	On market buy	0.783	25,000	25,000
2021-09-14	SAM USA	On market buy	0.783	25,000	25,000
2021-09-14	SAM USA	On market buy	0.783	25,000	25,000
2021-09-14	SAM USA	On market buy	0.783	25,000	25,000
2021-09-14	SAM USA	On market buy	0.783	25,000	25,000
2021-09-14	SAM USA	On market buy	0.783	25,000	25,000
2021-09-14	SAM USA	On market buy	0.783	25,000	25,000
2021-09-14	SAM USA	On market buy	0.783	25,000	25,000
2021-09-14	SAM USA	On market buy	0.783	25,000	25,000
2021-09-14	SAM USA	On market buy	0.783	25,000	25,000
2021-09-14	SAM USA	On market buy	0.783	25,000	25,000
2021-09-16	SAM USA	On market buy	0.776	7,500	7,500
2021-09-16	SAM USA	On market buy	0.776	6,000	6,000
2021-09-16	SAM USA	On market buy	0.776	6,000	6,000
2021-09-16	SAM USA	On market buy	0.776	12,000	12,000

2021-09-16	SAM USA	On market buy	0.776	25,000	25,000
2021-09-16	SAM USA	On market buy	0.776	25,000	25,000
2021-09-16	SAM USA	On market buy	0.776	25,000	25,000
2021-09-16	SAM USA	On market buy	1.100	2,300	2,300
2021-09-17	SAM USA	On market buy	0.784	6,398	6,398
2021-09-17	SAM USA	On market buy	0.784	5,000	5,000
2021-09-20	SAM USA	On market buy	0.738	5,000	5,000
2021-09-24	SAM USA	On market sell	0.718	12,970	12,970
2021-09-24	SAM USA	On market buy	0.990	7,000	7,000
2021-09-27	SAM USA	On market sell	0.706	1,433	1,433
2021-09-29	SAM USA	On market sell	0.677	120,000	120,000
2021-09-30	SAM USA	On market sell	0.690	38,900	38,900
2021-09-30	SAM USA	On market sell	0.682	12,482	12,482
2021-10-05	SAM USA	On market buy	0.970	2,409	2,409
2021-10-05	SAM USA	On market buy	0.970	1,030	1,030
2021-10-05	SAM USA	On market buy	0.975	1,728	1,728
2021-10-05	SAM USA	On market buy	0.975	2,100	2,100
2021-10-05	SAM USA	On market buy	0.975	1,727	1,727
2021-10-06	SAM USA	On market buy	1.005	5,034	5,034
2021-10-13	SAM USA	On market buy	0.762	7,226	7,226
2021-10-13	SAM USA	On market buy	0.762	3,578	3,578
2021-10-13	SAM USA	On market buy	0.762	2,777	2,777
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	25,000	25,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	16,666	16,666
2021-10-13	SAM USA	On market sell	0.761	2,000	2,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	2,000	2,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	2,000	2,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	2,000	2,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	4,000	4,000

2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	4,000	4,000
2021-10-13	SAM USA	On market sell	0.761	4,000	4,000
2021-10-13	SAM USA	On market sell	0.761	3,333	3,333
2021-10-13	SAM USA	On market sell	0.761	3,000	3,000
2021-10-13	SAM USA	On market sell	0.761	3,000	3,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	25,000	25,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	30,000	30,000
2021-10-13	SAM USA	On market sell	0.761	2,000	2,000
2021-10-13	SAM USA	On market sell	0.761	4,000	4,000
2021-10-13	SAM USA	On market sell	0.761	5,034	5,034
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	23,333	23,333
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	3,000	3,000
2021-10-13	SAM USA	On market sell	0.761	50,000	50,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	2,000	2,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	2,000	2,000
2021-10-13	SAM USA	On market sell	0.761	33,491	33,491
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	15,000	15,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	23,333	23,333
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	15,000	15,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000

2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	2,000	2,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	2,000	2,000
2021-10-13	SAM USA	On market sell	0.761	4,000	4,000
2021-10-13	SAM USA	On market sell	0.761	23,333	23,333
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	33,333	33,333
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	15,000	15,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	15,000	15,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	25,000	25,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	6,000	6,000
2021-10-13	SAM USA	On market sell	0.761	6,666	6,666
2021-10-13	SAM USA	On market sell	0.761	4,000	4,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	4,000	4,000
2021-10-13	SAM USA	On market sell	0.761	15,000	15,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	5,000	5,000
2021-10-13	SAM USA	On market sell	0.761	10,000	10,000
2021-10-13	SAM USA	On market sell	0.761	15,000	15,000
2021-10-13	SAM USA	On market sell	1.045	480	480
2021-10-13	SAM USA	On market sell	1.045	500	500
2021-10-13	SAM USA	On market sell	1.050	631	631
2021-10-18	SAM USA	On market buy	1.100	6,531	6,531

2021-10-20	SAM USA	On market buy	0.853	5,978	5,978
2021-10-21	SAM USA	On market sell	0.863	2,466	2,466
2021-10-21	SAM USA	On market sell	0.863	10,000	10,000
2021-10-27	SAM USA	On market buy	0.829	15,400	15,400
2021-10-27	SAM USA	On market sell	0.858	6,026	6,026
2021-10-27	SAM USA	On market buy	0.829	15,400	15,400
2021-10-27	SAM USA	On market buy	0.829	1,000	1,000
2021-10-27	SAM USA	On market buy	0.829	1,300	1,300
2021-10-27	SAM USA	On market buy	0.829	1,600	1,600
2021-10-27	SAM USA	On market buy	0.829	800	800
2021-10-27	SAM USA	On market buy	0.829	400	400
2021-10-27	SAM USA	On market buy	0.829	7,000	7,000
2021-10-27	SAM USA	On market buy	0.829	5,800	5,800
2021-10-27	SAM USA	On market buy	0.829	15,700	15,700
2021-10-27	SAM USA	On market buy	0.829	400	400
2021-10-27	SAM USA	On market buy	0.829	400	400
2021-10-27	SAM USA	On market buy	0.829	1,200	1,200
2021-10-27	SAM USA	On market buy	1.140	5	5
2021-10-27	SAM USA	On market buy	1.140	3,593	3,593
2021-11-01	SAM USA	On market sell	0.624	154,000	154,000
2021-11-01	SAM USA	On market sell	0.624	154,000	154,000
2021-11-02	SAM USA	On market sell	0.787	154,000	154,000
2021-11-03	SAM USA	On market buy	1.020	5	5
2021-11-03	SAM USA	On market buy	1.020	26	26
2021-11-03	SAM USA	On market buy	1.020	13,258	13,258
2021-11-05	SAM USA	On market buy	0.737	600	600
2021-11-05	SAM USA	On market buy	0.737	800	800
2021-11-05	SAM USA	On market buy	0.737	400	400
2021-11-05	SAM USA	On market buy	0.737	200	200
2021-11-05	SAM USA	On market buy	0.737	3,200	3,200
2021-11-05	SAM USA	On market buy	0.737	2,500	2,500
2021-11-05	SAM USA	On market buy	0.737	6,900	6,900
2021-11-05	SAM USA	On market buy	0.737	200	200
2021-11-05	SAM USA	On market buy	0.737	100	100
2021-11-05	SAM USA	On market buy	0.737	500	500
2021-11-05	SAM USA	On market buy	0.737	500	500
2021-11-05	SAM USA	On market buy	0.737	5,500	5,500
2021-11-05	SAM USA	On market buy	1.018	3,081	3,081
2021-11-08	SAM USA	On market buy	0.750	16,000	16,000
2021-11-09	SAM USA	On market buy	1.010	1	1
2021-11-11	SAM USA	On market buy	1.095	2,965	2,965

2021-11-11	SAM USA	On market buy	1.095	37	37
2021-11-18	SAM USA	On market sell	0.754	24,455	24,455
2021-11-23	SAM USA	On market buy	0.774	2,392	2,392
2021-11-23	SAM USA	On market buy	0.774	1,096	1,096
2021-11-29	SAM USA	On market buy	1.070	26	26
2021-11-29	SAM USA	On market buy	1.010	4,599	4,599
2021-11-29	SAM USA	On market buy	1.070	4,798	4,798
2021-11-29	SAM USA	On market buy	1.070	10	10
2021-11-30	SAM USA	On market buy	0.724	10,453	10,453
2021-11-30	SAM USA	On market buy	0.731	140,000	140,000
2021-11-30	SAM USA	On market buy	0.746	5,500	5,500
2021-12-01	SAM USA	On market sell	0.720	9,300	9,300
2021-12-02	SAM USA	On market sell	1.000	884	884
2021-12-02	SAM USA	On market sell	1.000	1,600	1,600
2021-12-02	SAM USA	On market sell	1.000	900	900
2021-12-02	SAM USA	On market sell	1.000	1,616	1,616
2021-12-03	SAM USA	On market buy	0.730	8,000	8,000
2021-12-07	SAM USA	On market sell	0.725	9,300	9,300
2021-12-07	SAM USA	On market sell	0.704	3,400	3,400
2021-12-14	SAM USA	On market sell	0.749	15,000	15,000
2021-12-17	SAM USA	On market buy	0.809	2,000	2,000
2021-12-17	SAM USA	On market buy	1.120	2,000	2,000
2021-12-17	SAM USA	On market buy	1.120	1,201	1,201
2021-12-20	SAM USA	On market sell	0.823	3,300	3,300
2021-12-20	SAM USA	On market sell	0.823	17,900	17,900
2021-12-20	SAM USA	On market sell	0.823	600	600
2021-12-20	SAM USA	On market sell	0.823	200	200
2021-12-20	SAM USA	On market sell	0.823	1,600	1,600
2021-12-20	SAM USA	On market sell	0.823	6,800	6,800
2021-12-20	SAM USA	On market sell	0.823	7,300	7,300
2021-12-20	SAM USA	On market sell	0.823	4,400	4,400
2021-12-21	SAM USA	On market sell	0.771	50,000	50,000
2021-12-29	SAM USA	On market sell	0.828	8,694	8,694
2021-12-29	SAM USA	On market buy	1.150	467	467
2021-12-29	SAM USA	On market buy	1.150	3,127	3,127
2021-12-31	SAM USA	On market buy	0.715	5,029	5,029
2021-12-31	SAM USA	On market buy	0.715	7,545	7,545
2021-12-31	SAM USA	On market buy	0.715	5,029	5,029
2021-12-31	SAM USA	On market buy	0.715	19,890	19,890
2021-12-31	SAM USA	On market buy	0.715	1,508	1,508
2021-12-31	SAM USA	On market buy	0.715	5,029	5,029

2021-12-31	SAM USA	On market buy	0.715	20,118	20,118
2021-12-31	SAM USA	On market buy	0.715	50,295	50,295
2021-12-31	SAM USA	On market buy	0.715	10,059	10,059
2021-12-31	SAM USA	On market buy	0.715	4,023	4,023
2021-12-31	SAM USA	On market buy	0.715	2,514	2,514
2021-12-31	SAM USA	On market buy	0.715	5,029	5,029
2021-12-31	SAM USA	On market buy	0.715	5,029	5,029
2021-12-31	SAM USA	On market buy	0.715	15,089	15,089
2021-12-31	SAM USA	On market buy	0.715	4,023	4,023
2021-12-31	SAM USA	On market buy	0.715	37,721	37,721
2021-12-31	SAM USA	On market buy	0.715	20,118	20,118
2021-12-31	SAM USA	On market buy	0.715	7,545	7,545
2021-12-31	SAM USA	On market buy	0.715	2,011	2,011
2021-12-31	SAM USA	On market buy	0.715	5,029	5,029
2021-12-31	SAM USA	On market buy	0.715	7,042	7,042
2021-12-31	SAM USA	On market buy	0.715	4,023	4,023
2021-12-31	SAM USA	On market buy	0.715	5,029	5,029
2021-12-31	SAM USA	On market buy	0.715	31,183	31,183
2022-01-04	SAM USA	On market buy	1.110	1,606	1,606
2022-01-04	SAM USA	On market buy	1.110	2,500	2,500
2022-01-11	SAM USA	On market sell	0.827	17,306	17,306
2022-01-14	SAM USA	On market buy	1.400	600	600
2022-01-21	SAM USA	On market sell	0.868	40,497	40,497
2022-01-27	SAM USA	On market sell	0.827	7,900	7,900
2022-01-27	SAM USA	On market sell	0.827	1,300	1,300
2022-01-28	RCIC	On market buy	0.832	2,000,000	2,000,000
2022-01-28	SAM USA	On market buy	0.832	1,023,446	1,023,446
2022-01-28	SAM USA	On market buy	0.832	800,000	800,000
2022-02-02	SAM USA	On market sell	0.816	36,250	36,250
2022-02-02	SAM USA	On market sell	0.816	2,960	2,960
2022-02-03	SAM USA	On market buy	0.823	25,000	25,000
2022-02-03	SAM USA	On market sell	1.140	352	352
2022-02-03	SAM USA	On market sell	1.145	1,292	1,292
2022-02-03	SAM USA	On market sell	1.140	1,701	1,701
2022-02-15	SAM USA	On market buy	1.200	1,561	1,561
2022-02-16	SAM USA	On market sell	1.215	1,900	1,900
2022-02-16	SAM USA	On market sell	1.215	468	468
2022-02-17	SAM USA	On market buy	0.912	25,000	25,000
2022-02-17	SAM USA	On market buy	0.912	25,000	25,000
2022-02-17	SAM USA	On market buy	0.912	25,000	25,000
2022-02-18	SAM USA	On market buy	0.894	25,000	25,000

2022-02-18	SAM USA	On market buy	0.894	25,000	25,000
2022-02-18	SAM USA	On market buy	0.894	4,340	4,340
2022-02-18	SAM USA	On market buy	0.894	4,673	4,673
2022-02-18	SAM USA	On market buy	0.894	10,837	10,837
2022-02-23	SAM USA	On market sell	0.836	130,118	130,118
2022-02-28	SAM USA	On market sell	0.871	2,951	2,951
2022-02-28	SAM USA	On market sell	0.871	1,990	1,990
2022-03-01	SAM USA	On market sell	0.851	10,000	10,000
2022-03-01	SAM USA	On market sell	1.198	3,200	3,200
2022-03-03	SAM USA	On market sell	0.921	7,000	7,000
2022-03-03	SAM USA	On market buy	1.320	2,800	2,800
2022-03-03	SAM USA	On market buy	1.320	400	400
2022-03-03	SAM USA	On market buy	1.320	1,500	1,500
2022-03-03	SAM USA	On market buy	1.320	1,000	1,000
2022-03-04	SAM USA	On market buy	1.305	5,975	5,975
2022-03-07	SAM USA	On market sell	0.583	5,000	5,000
2022-03-07	SAM USA	On market sell	0.955	42,133	42,133
2022-03-07	SAM USA	On market sell	0.583	5,000	5,000
2022-03-07	SAM USA	On market sell	0.955	1,096	1,096
2022-03-08	SAM USA	On market sell	0.986	25,000	25,000
2022-03-09	SAM USA	On market sell	0.943	1,503	1,503
2022-03-09	SAM USA	On market sell	0.943	9,000	9,000
2022-03-09	SAM USA	On market sell	0.943	5,000	5,000
2022-03-09	SAM USA	On market sell	0.943	2,500	2,500
2022-03-09	SAM USA	On market sell	0.943	3,500	3,500
2022-03-09	SAM USA	On market sell	0.943	12,500	12,500
2022-03-09	SAM USA	On market sell	0.943	4,000	4,000
2022-03-09	SAM USA	On market sell	0.943	3,500	3,500
2022-03-09	SAM USA	On market sell	0.943	7,000	7,000
2022-03-09	SAM USA	On market sell	0.943	5,755	5,755
2022-03-09	SAM USA	On market sell	0.943	1,000	1,000
2022-03-09	SAM USA	On market sell	0.943	3,000	3,000
2022-03-09	SAM USA	On market sell	0.943	9,000	9,000
2022-03-09	SAM USA	On market sell	0.943	2,500	2,500
2022-03-09	SAM USA	On market sell	0.943	2,000	2,000
2022-03-09	SAM USA	On market sell	0.943	3,500	3,500
2022-03-09	SAM USA	On market sell	0.943	4,000	4,000
2022-03-09	SAM USA	On market sell	0.943	800	800
2022-03-09	SAM USA	On market sell	0.943	2,003	2,003
2022-03-09	SAM USA	On market sell	0.943	800	800
2022-03-09	SAM USA	On market sell	0.943	13,034	13,034

2022-03-09	SAM USA	On market sell	0.943	1,600	1,600
2022-03-09	SAM USA	On market sell	0.943	5,000	5,000
2022-03-09	SAM USA	On market sell	0.943	5,000	5,000
2022-03-09	SAM USA	On market sell	0.943	1,600	1,600
2022-03-09	SAM USA	On market sell	0.943	1,600	1,600
2022-03-09	SAM USA	On market sell	0.943	1,000	1,000
2022-03-09	SAM USA	On market sell	0.943	151	151
2022-03-09	SAM USA	On market sell	0.943	1,200	1,200
2022-03-09	SAM USA	On market sell	0.943	1,200	1,200
2022-03-09	SAM USA	On market sell	0.943	2,503	2,503
2022-03-09	SAM USA	On market sell	0.943	11,500	11,500
2022-03-09	SAM USA	On market sell	0.943	6,000	6,000
2022-03-09	SAM USA	On market sell	0.943	27,000	27,000
2022-03-09	SAM USA	On market sell	0.943	800	800
2022-03-09	SAM USA	On market sell	0.943	1,600	1,600
2022-03-09	SAM USA	On market sell	0.943	7,500	7,500
2022-03-09	SAM USA	On market sell	0.943	10,000	10,000
2022-03-09	SAM USA	On market sell	0.943	7,000	7,000
2022-03-09	SAM USA	On market sell	0.943	3,000	3,000
2022-03-09	SAM USA	On market sell	0.943	4,500	4,500
2022-03-09	SAM USA	On market sell	0.943	4,000	4,000
2022-03-09	SAM USA	On market sell	0.943	3,500	3,500
2022-03-09	SAM USA	On market sell	0.943	700	700
2022-03-09	SAM USA	On market sell	0.943	2,000	2,000
2022-03-09	SAM USA	On market sell	0.943	10,000	10,000
2022-03-09	SAM USA	On market sell	0.943	23,500	23,500
2022-03-09	SAM USA	On market sell	0.943	4,000	4,000
2022-03-09	SAM USA	On market sell	0.943	4,000	4,000
2022-03-09	SAM USA	On market sell	0.943	1,500	1,500
2022-03-09	SAM USA	On market sell	0.943	4,500	4,500
2022-03-09	SAM USA	On market sell	0.943	2,304	2,304
2022-03-09	SAM USA	On market sell	0.943	800	800
2022-03-09	SAM USA	On market sell	0.943	5,000	5,000
2022-03-09	SAM USA	On market sell	0.943	2,500	2,500
2022-03-09	SAM USA	On market sell	0.943	2,002	2,002
2022-03-09	SAM USA	On market sell	0.943	7,500	7,500
2022-03-09	SAM USA	On market sell	0.943	1,000	1,000
2022-03-09	SAM USA	On market sell	0.943	4,500	4,500
2022-03-09	SAM USA	On market sell	0.943	5,000	5,000
2022-03-09	SAM USA	On market sell	0.943	4,000	4,000
2022-03-09	SAM USA	On market sell	0.943	300	300

2022-03-09	SAM USA	On market sell	0.943	2,000	2,000
2022-03-09	SAM USA	On market sell	0.943	4,000	4,000
2022-03-09	SAM USA	On market sell	0.943	5,500	5,500
2022-03-09	SAM USA	On market sell	0.943	2,000	2,000
2022-03-09	SAM USA	On market sell	0.943	1,000	1,000
2022-03-09	SAM USA	On market sell	0.943	2,500	2,500
2022-03-09	SAM USA	On market sell	0.943	6,000	6,000
2022-03-09	SAM USA	On market sell	0.943	6,500	6,500
2022-03-09	SAM USA	On market sell	0.943	503	503
2022-03-09	SAM USA	On market sell	0.943	16,918	16,918
2022-03-09	SAM USA	On market sell	0.943	1,000	1,000
2022-03-09	SAM USA	On market sell	0.943	3,000	3,000
2022-03-09	SAM USA	On market sell	0.943	3,000	3,000
2022-03-09	SAM USA	On market sell	0.943	35,030	35,030
2022-03-09	SAM USA	On market sell	0.943	5,000	5,000
2022-03-09	SAM USA	On market sell	0.943	5,000	5,000
2022-03-09	SAM USA	On market sell	0.943	800	800
2022-03-09	SAM USA	On market sell	0.943	4,000	4,000
2022-03-09	SAM USA	On market sell	0.943	4,000	4,000
2022-03-09	SAM USA	On market sell	0.943	1,500	1,500
2022-03-09	SAM USA	On market sell	0.943	9,000	9,000
2022-03-09	SAM USA	On market sell	0.943	4,000	4,000
2022-03-09	SAM USA	On market sell	0.943	9,000	9,000
2022-03-09	SAM USA	On market sell	0.943	6,006	6,006
2022-03-09	SAM USA	On market sell	0.943	1,202	1,202
2022-03-09	SAM USA	On market sell	0.943	20,000	20,000
2022-03-09	SAM USA	On market sell	0.943	5,000	5,000
2022-03-09	SAM USA	On market sell	0.943	5,500	5,500
2022-03-09	SAM USA	On market sell	0.943	2,500	2,500
2022-03-09	SAM USA	On market sell	0.943	14,000	14,000
2022-03-09	SAM USA	On market sell	0.943	5,000	5,000
2022-03-09	SAM USA	On market sell	0.943	251	251
2022-03-09	SAM USA	On market sell	0.943	1,503	1,503
2022-03-09	SAM USA	On market sell	0.943	8,500	8,500
2022-03-09	SAM USA	On market sell	0.943	2,500	2,500
2022-03-09	SAM USA	On market sell	0.943	55,000	55,000
2022-03-09	SAM USA	On market sell	0.943	2,500	2,500
2022-03-09	SAM USA	On market sell	0.943	800	800
2022-03-09	SAM USA	On market sell	0.943	5,000	5,000
2022-03-09	SAM USA	On market sell	0.943	5,509	5,509
2022-03-09	SAM USA	On market sell	0.943	1,202	1,202

2022-03-09	SAM USA	On market sell	0.943	1,600	1,600
2022-03-09	SAM USA	On market sell	0.943	6,272	6,272
2022-03-09	SAM USA	On market sell	0.943	13,012	13,012
2022-03-09	SAM USA	On market sell	0.943	4,000	4,000
2022-03-09	SAM USA	On market sell	0.943	4,255	4,255
2022-03-09	SAM USA	On market sell	0.943	1,500	1,500
2022-03-09	SAM USA	On market sell	0.943	4,000	4,000
2022-03-09	SAM USA	On market sell	0.943	601	601
2022-03-09	SAM USA	On market sell	0.943	15,000	15,000
2022-03-09	SAM USA	On market sell	0.943	6,000	6,000
2022-03-09	SAM USA	On market sell	0.943	5,500	5,500
2022-03-09	SAM USA	On market sell	0.943	3,500	3,500
2022-03-09	SAM USA	On market sell	0.943	3,000	3,000
2022-03-09	SAM USA	On market sell	0.943	4,500	4,500
2022-03-09	SAM USA	On market sell	0.943	1,503	1,503
2022-03-09	SAM USA	On market sell	0.943	6,000	6,000
2022-03-09	SAM USA	On market sell	1.320	2,000	2,000
2022-03-09	SAM USA	On market sell	1.320	1,326	1,326
2022-03-10	SAM USA	On market buy	1.280	2,852	2,852
2022-03-10	SAM USA	On market buy	1.300	1,026	1,026
2022-03-11	SAM USA	On market sell	0.956	15,029	15,029
2022-03-14	SAM USA	On market buy	1.295	51,100	51,100
2022-03-14	SAM USA	On market sell	0.934	2,700	2,700
2022-03-18	SAM USA	On market buy	1.230	3,198	3,198
2022-03-21	SAM USA	On market sell	1.270	2,000	2,000
2022-03-22	SAM USA	On market sell	1.250	43	43
2022-03-22	SAM USA	On market sell	1.250	2,794	2,794
2022-03-22	SAM USA	On market sell	1.250	326	326
2022-03-22	SAM USA	On market sell	1.250	251	251
2022-03-22	SAM USA	On market sell	1.250	5	5
2022-03-22	SAM USA	On market sell	1.250	200	200
2022-03-23	SAM USA	On market sell	0.955	3,500	3,500
2022-03-24	SAM USA	On market buy	1.300	3,631	3,631
2022-03-24	SAM USA	On market buy	1.300	1,200	1,200
2022-03-24	SAM USA	On market buy	1.300	18,411	18,411
2022-03-30	SAM USA	On market sell	1.033	6,000	6,000
2022-04-05	SAM LP	On market buy	1.936	85,668	85,668
2022-04-05	SAM LP	On market buy	1.936	75,970	75,970
2022-04-06	SAM USA	On market sell	1.164	7,400	7,400
2022-04-06	SAM USA	On market buy	1.530	2,778	2,778
2022-04-07	SAM USA	On market buy	1.120	50,000	50,000

2022-04-08	SAM USA	On market sell	1.102	2,200	2,200
2022-04-11	SAM USA	On market sell	1.102	8,085	8,085
2022-04-12	SAM USA	On market buy	1.515	730	730
2022-04-12	SAM USA	On market buy	1.515	261	261
2022-04-12	SAM USA	On market buy	1.515	132	132
2022-04-12	SAM USA	On market buy	1.515	243	243
2022-04-13	SAM USA	On market sell	1.079	2,800	2,800
2022-04-14	SAM USA	On market sell	1.520	1,662	1,662
2022-04-14	SAM USA	On market sell	1.520	1,166	1,166
2022-04-22	SAM USA	On market sell	1.061	4,100	4,100
2022-04-22	SAM USA	On market sell	1.061	14,300	14,300
2022-04-22	SAM USA	On market sell	1.061	2,400	2,400
2022-04-22	SAM USA	On market sell	1.061	1,700	1,700
2022-04-22	SAM USA	On market sell	1.061	3,600	3,600
2022-04-22	SAM USA	On market sell	1.061	5,300	5,300
2022-04-26	SAM USA	On market sell	0.994	14,974	14,974
2022-04-26	SAM USA	On market sell	1.395	1,725	1,725
2022-04-27	SAM USA	On market sell	0.990	4,000	4,000
2022-04-27	SAM USA	On market sell	1.370	1	1
2022-04-29	SAM USA	On market sell	1.003	10,000	10,000
2022-05-04	SAM USA	On market sell	1.315	944	944
2022-05-04	SAM USA	On market sell	1.315	979	979
2022-05-04	SAM USA	On market sell	1.315	418	418
2022-05-04	SAM USA	On market sell	1.315	554	554
2022-05-04	SAM USA	On market sell	1.315	331	331
2022-05-04	SAM USA	On market sell	1.315	464	464
2022-05-04	SAM USA	On market sell	1.315	431	431
2022-05-04	SAM USA	On market sell	1.315	685	685
2022-05-04	SAM USA	On market sell	1.315	189	189
2022-05-04	SAM USA	On market sell	1.350	479	479
2022-05-04	SAM USA	On market sell	1.315	686	686
2022-05-04	SAM USA	On market sell	1.350	423	423
2022-05-04	SAM USA	On market sell	1.315	331	331
2022-05-04	SAM USA	On market sell	1.315	3,339	3,339
2022-05-04	SAM USA	On market buy	1.350	4,879	4,879
2022-05-04	SAM USA	On market sell	1.350	461	461
2022-05-04	SAM USA	On market sell	1.315	1,177	1,177
2022-05-04	SAM USA	On market sell	1.315	6,056	6,056
2022-05-04	SAM USA	On market sell	1.315	905	905
2022-05-04	SAM USA	On market sell	1.315	682	682
2022-05-04	SAM USA	On market sell	1.315	441	441

2022-05-04	SAM USA	On market sell	1.315	1,872	1,872
2022-05-06	SAM USA	On market buy	0.859	10,000	10,000
2022-05-10	SAM USA	On market sell	0.747	25,000	25,000
2022-05-12	SAM USA	On market sell	1.085	8	8
2022-05-12	SAM USA	On market sell	1.085	46	46
2022-05-12	SAM USA	On market sell	1.080	542	542
2022-05-13	SAM USA	On market sell	0.692	17,000	17,000
2022-05-16	SAM USA	On market sell	0.764	20,500	20,500
2022-05-17	SAM USA	On market buy	0.792	33,900	33,900
2022-05-18	SAM USA	On market buy	1.195	864	864
2022-05-20	SAM USA	On market sell	0.868	10,000	10,000
2022-05-20	SAM USA	On market buy	1.200	2,866	2,866
2022-05-31	SAM USA	On market buy	0.844	3,661	3,661
2022-06-01	SAM USA	On market buy	0.850	21,339	21,339
2022-06-03	SAM USA	On market sell	0.823	7,350	7,350
2022-06-06	SAM USA	On market sell	1.150	1,633	1,633
2022-06-06	SAM USA	On market sell	1.150	874	874
2022-06-06	SAM USA	On market sell	1.150	133	133
2022-06-07	SAM USA	On market buy	1.150	6,376	6,376
2022-06-16	SAM USA	On market sell	0.661	45,000	45,000
2022-06-16	SAM USA	On market buy	0.674	13,775	13,775
2022-06-23	SAM USA	On market sell	0.651	6,400	6,400
2022-06-27	SAM USA	On market sell	0.649	2,766	2,766
2022-06-28	SAM USA	On market sell	0.630	5,409	5,409
2022-06-29	SAM USA	On market buy	0.945	156	156
2022-06-29	SAM USA	On market buy	0.945	5	5
2022-06-29	SAM USA	On market buy	0.945	67	67
2022-06-29	SAM USA	On market buy	0.945	47	47
2022-06-29	SAM USA	On market buy	0.945	53	53
2022-06-29	SAM USA	On market buy	0.945	397	397
2022-06-29	SAM USA	On market buy	0.945	24	24
2022-06-29	SAM USA	On market buy	0.945	171	171
2022-06-29	SAM USA	On market buy	0.945	37	37
2022-06-29	SAM USA	On market buy	0.945	22	22
2022-06-29	SAM USA	On market buy	0.945	198	198
2022-06-29	SAM USA	On market buy	0.945	36	36
2022-06-29	SAM USA	On market buy	0.945	52	52
2022-06-30	SAM LP	On market sell	1.936	85,668	85,668
2022-06-30	SAM LP	On market sell	1.936	75,970	75,970
2022-06-30	SAM LP	On market buy	1.000	85,668	85,668
2022-06-30	SAM LP	On market buy	1.000	75,970	75,970

2022-06-30	SAM USA	On market buy	0.649	13,000	13,000
2022-06-30	SAM USA	On market buy	0.643	67,963	67,963
2022-07-01	SAM USA	On market buy	0.977	467,700	467,700
2022-07-01	SAM USA	On market sell	0.654	13,865	13,865
2022-07-06	SAM USA	On market buy	0.633	132,037	132,037
2022-07-07	SAM USA	On market buy	0.605	7,000	7,000
2022-07-07	SAM USA	On market sell	0.593	30,000	30,000
2022-07-07	SAM USA	On market sell	0.593	30,000	30,000
2022-07-08	SAM USA	On market buy	0.900	2,019	2,019
2022-07-08	SAM USA	On market buy	0.900	507	507
2022-07-08	SAM USA	On market buy	0.900	1,114	1,114
2022-07-11	SAM USA	On market sell	0.593	30,000	30,000
2022-07-12	SAM USA	On market sell	0.576	117,309	117,309
2022-07-12	SAM USA	On market buy	0.880	61	61
2022-07-13	SAM USA	On market sell	0.557	13,500	13,500
2022-07-13	SAM USA	On market sell	0.580	13,000	13,000
2022-07-14	SAM USA	On market sell	0.584	24,600	24,600
2022-07-15	SAM USA	On market sell	0.881	37,197	37,197
2022-07-18	SAM USA	On market sell	0.889	11,903	11,903
2022-07-25	SAM USA	On market buy	0.666	765	765
2022-07-27	SAM USA	On market buy	0.980	3,433	3,433
2022-07-27	SAM USA	On market buy	0.980	495	495
2022-07-27	SAM USA	On market buy	0.980	2,419	2,419
2022-07-27	SAM USA	On market buy	0.980	178	178
2022-07-27	SAM USA	On market buy	0.980	12	12
2022-07-28	SAM USA	On market buy	0.980	39	39
2022-07-29	SAM USA	On market sell	0.698	8,361	8,361
2022-08-09	SAM USA	On market buy	1.030	707	707
2022-08-09	SAM USA	On market buy	1.030	190	190
2022-08-09	SAM USA	On market buy	1.030	5	5
2022-08-12	SAM USA	On market sell	0.744	18,800	18,800
2022-08-16	SAM USA	On market buy	0.750	3,200	3,200
2022-08-16	SAM USA	On market buy	1.060	2,931	2,931
2022-08-18	SAM USA	On market sell	0.732	10,800	10,800
2022-08-18	SAM USA	On market buy	1.065	2,986	2,986
2022-08-19	SAM USA	On market buy	0.744	6,500	6,500
2022-08-19	SAM USA	On market buy	1.075	907	907
2022-08-19	SAM USA	On market buy	1.075	537	537
2022-08-19	SAM USA	On market buy	1.075	556	556
2022-08-23	SAM USA	On market buy	0.748	13,250	13,250
2022-08-23	SAM USA	On market buy	0.700	895	895

2022-08-23	SAM USA	On market buy	0.700	895	895
2022-08-23	SAM USA	On market buy	1.075	26	26
2022-08-23	SAM USA	On market buy	1.075	31	31
2022-08-23	SAM USA	On market buy	1.075	31	31
2022-08-23	SAM USA	On market buy	1.080	519	519
2022-08-24	SAM USA	On market sell	0.719	30,000	30,000
2022-08-24	SAM USA	On market sell	0.719	2,500	2,500
2022-08-24	SAM USA	On market sell	0.719	5,000	5,000
2022-08-24	SAM USA	On market sell	0.719	2,500	2,500
2022-08-24	SAM USA	On market sell	0.719	7,500	7,500
2022-08-24	SAM USA	On market sell	0.719	18,500	18,500
2022-08-24	SAM USA	On market sell	0.719	12,265	12,265
2022-08-26	SAM USA	On market sell	0.788	11,608	11,608
2022-09-02	SAM USA	On market buy	1.090	69	69
2022-09-02	SAM USA	On market buy	1.090	1,206	1,206
2022-09-02	SAM USA	On market buy	1.090	72	72
2022-09-02	SAM USA	On market buy	1.090	178	178
2022-09-07	SAM USA	On market sell	0.729	5,000	5,000
2022-09-08	SAM USA	On market sell	0.732	5,000	5,000
2022-09-13	SAM USA	On market sell	0.773	6,000	6,000
2022-09-13	SAM USA	On market sell	0.773	6,500	6,500
2022-09-21	SAM USA	On market sell	0.745	1,357	1,357
2022-09-21	SAM USA	On market sell	0.745	4,271	4,271
2022-09-26	SAM USA	On market buy	0.700	895	895
2022-09-26	SAM USA	On market buy	0.700	895	895
2022-09-26	SAM USA	On market buy	1.065	3,426	3,426
2022-09-27	SAM USA	On market buy	1.000	53	53
2022-09-28	SAM USA	On market sell	0.635	54,308	54,308
2022-09-29	SAM USA	On market sell	0.627	20,000	20,000
2022-09-29	SAM USA	On market sell	0.627	40,000	40,000
2022-09-29	SAM USA	On market sell	0.627	9,620	9,620
2022-09-30	SAM USA	On market sell	0.635	15,000	15,000
2022-10-06	SAM USA	On market sell	0.621	7,200	7,200
2022-10-06	SAM USA	On market sell	0.621	8,361	8,361
2022-10-06	SAM USA	On market sell	0.621	10,400	10,400
2022-10-06	SAM USA	On market sell	0.621	1,395	1,395
2022-10-06	SAM USA	On market sell	0.621	8,361	8,361
2022-10-07	SAM USA	On market sell	0.621	8,361	8,361
2022-10-10	SAM USA	On market buy	0.622	3,200	3,200
2022-10-11	SAM USA	On market sell	0.610	11,267	11,267
2022-10-12	SAM USA	On market sell	0.590	26,726	26,726

2022-10-12	SAM USA	On market buy	0.602	70,000	70,000
2022-10-19	SAM USA	On market sell	0.608	176	176
2022-10-19	SAM USA	On market sell	0.583	34,266	34,266
2022-10-20	SAM USA	On market sell	0.611	37	37
2022-10-24	SAM USA	On market sell	0.612	24,520	24,520
2022-10-24	SAM USA	On market sell	0.563	65,000	65,000
2022-10-25	SAM USA	On market sell	0.618	5,000	5,000
2022-10-25	SAM USA	On market sell	0.618	5,000	5,000
2022-10-25	SAM USA	On market sell	0.618	5,000	5,000
2022-10-27	SAM USA	On market sell	0.643	43,000	43,000
2022-10-27	SAM USA	On market sell	1.010	1,869	1,869
2022-10-27	SAM USA	On market sell	1.000	628	628
2022-10-27	SAM USA	On market sell	1.010	621	621
2022-10-27	SAM USA	On market sell	1.010	1,174	1,174
2022-10-27	SAM USA	On market sell	1.010	1,026	1,026
2022-11-04	SAM USA	On market buy	0.600	1,450	1,450
2022-11-04	SAM USA	On market buy	0.600	545	545
2022-11-04	SAM USA	On market buy	0.600	975	975
2022-11-04	SAM USA	On market buy	0.600	1,220	1,220
2022-11-04	SAM USA	On market buy	0.600	2,420	2,420
2022-11-04	SAM USA	On market buy	0.600	1,760	1,760
2022-11-04	SAM USA	On market buy	0.600	2,570	2,570
2022-11-04	SAM USA	On market buy	0.600	2,410	2,410
2022-11-04	SAM USA	On market buy	0.600	675	675
2022-11-04	SAM USA	On market buy	0.600	2,030	2,030
2022-11-04	SAM USA	On market buy	0.600	2,815	2,815
2022-11-08	SAM USA	On market sell	0.607	41,312	41,312
2022-11-15	SAM USA	On market sell	0.787	15,700	15,700
2022-11-16	SAM USA	On market sell	0.782	6,255	6,255
2022-11-30	SAM USA	On market sell	0.731	6,450	6,450
2022-12-06	SAM USA	On market buy	1.180	858	858
2022-12-06	SAM USA	On market buy	1.180	46	46
2022-12-08	SAM USA	On market buy	0.797	3,300	3,300
2022-12-14	SAM USA	On market sell	1.340	2,550	2,550
2022-12-14	SAM USA	On market sell	1.340	2,550	2,550
2022-12-16	SAM USA	On market sell	0.717	9,946	9,946
2022-12-28	SAM USA	On market buy	0.733	22,000	22,000
2022-12-28	SAM USA	On market buy	0.733	22,000	22,000
2022-12-29	SAM USA	On market buy	0.733	22,200	22,200
2023-01-03	SAM USA	On market sell	0.731	50,000	50,000
2023-01-19	SAM USA	On market buy	1.160	756	756

2023-01-19	SAM USA	On market buy	1.160	420	420
2023-01-19	SAM USA	On market buy	1.160	1,489	1,489
2023-01-19	SAM USA	On market buy	1.160	1	1
2023-01-31	SAM USA	On market sell	0.784	10,000	10,000
2023-02-02	SAM USA	On market buy	1.160	1,026	1,026
2023-02-02	SAM USA	On market buy	1.160	320	320
2023-02-03	SAM USA	On market buy	0.794	3,300	3,300
2023-02-06	SAM USA	On market buy	0.767	765	765
2023-02-06	SAM USA	On market buy	0.767	1,465	1,465
2023-02-06	SAM USA	On market buy	0.767	1,005	1,005
2023-02-06	SAM USA	On market buy	0.767	1,450	1,450
2023-02-06	SAM USA	On market buy	0.767	1,510	1,510
2023-02-06	SAM USA	On market buy	0.767	545	545
2023-02-06	SAM USA	On market buy	0.767	2,090	2,090
2023-02-06	SAM USA	On market buy	0.767	1,390	1,390
2023-02-06	SAM USA	On market buy	0.767	730	730
2023-02-06	SAM USA	On market buy	0.767	550	550
2023-02-06	SAM USA	On market buy	0.767	975	975
2023-02-06	SAM USA	On market buy	0.767	1,220	1,220
2023-02-06	SAM USA	On market buy	0.767	2,420	2,420
2023-02-06	SAM USA	On market buy	0.767	1,760	1,760
2023-02-06	SAM USA	On market buy	0.767	2,570	2,570
2023-02-06	SAM USA	On market buy	0.767	775	775
2023-02-06	SAM USA	On market buy	0.767	680	680
2023-02-06	SAM USA	On market buy	0.767	1,260	1,260
2023-02-06	SAM USA	On market buy	0.767	795	795
2023-02-06	SAM USA	On market buy	0.767	2,410	2,410
2023-02-06	SAM USA	On market buy	0.767	675	675
2023-02-06	SAM USA	On market buy	0.767	2,030	2,030
2023-02-06	SAM USA	On market buy	0.767	765	765
2023-02-06	SAM USA	On market buy	0.767	830	830
2023-02-06	SAM USA	On market buy	0.767	2,815	2,815
2023-02-06	SAM USA	On market buy	0.767	935	935
2023-02-06	SAM USA	On market buy	0.767	935	935
2023-02-06	SAM USA	On market buy	0.767	6,000	6,000
2023-02-14	SAM USA	On market buy	0.783	4,300	4,300
2023-02-15	SAM USA	On market sell	0.770	9,518	9,518
2023-02-17	SAM USA	On market buy	0.740	2,040	2,040
2023-02-17	SAM USA	On market buy	0.740	6,000	6,000
2023-02-17	SAM USA	On market buy	0.740	2,040	2,040
2023-02-21	SAM USA	On market buy	0.748	765	765

2023-02-21	SAM USA	On market buy	0.748	1,005	1,005
2023-02-21	SAM USA	On market buy	0.748	1,510	1,510
2023-02-21	SAM USA	On market buy	0.748	730	730
2023-02-21	SAM USA	On market buy	0.748	550	550
2023-02-21	SAM USA	On market buy	0.748	855	855
2023-02-21	SAM USA	On market buy	0.748	710	710
2023-02-21	SAM USA	On market buy	0.748	875	875
2023-02-21	SAM USA	On market buy	0.748	775	775
2023-02-21	SAM USA	On market buy	0.748	680	680
2023-02-21	SAM USA	On market buy	0.748	1,260	1,260
2023-02-21	SAM USA	On market buy	0.748	795	795
2023-02-21	SAM USA	On market buy	0.748	765	765
2023-02-21	SAM USA	On market buy	0.748	830	830
2023-02-21	SAM USA	On market buy	0.727	50,508	50,508
2023-02-22	SAM USA	On market buy	1.060	3,395	3,395
2023-02-23	SAM USA	On market sell	0.711	8,750	8,750
2023-02-24	SAM USA	On market buy	0.672	4,000	4,000
2023-02-24	SAM USA	On market sell	0.665	30,000	30,000
2023-02-24	SAM USA	On market sell	0.665	30,000	30,000
2023-03-02	SAM USA	On market sell	0.664	1,636	1,636
2023-03-03	SAM USA	On market sell	0.647	7,758	7,758
2023-03-07	SAM USA	On market buy	0.641	37,438	37,438
2023-03-08	SAM USA	On market buy	0.930	233	233
2023-03-08	SAM USA	On market buy	0.930	422	422
2023-03-08	SAM USA	On market buy	0.930	290	290
2023-03-08	SAM USA	On market buy	0.930	1,000	1,000
2023-03-08	SAM USA	On market buy	0.930	111	111
2023-03-08	SAM USA	On market buy	0.930	47	47
2023-03-10	SAM USA	On market buy	0.606	2,700	2,700
2023-03-10	SAM USA	On market buy	0.606	2,000	2,000
2023-03-10	SAM USA	On market buy	0.606	2,040	2,040
2023-03-10	SAM USA	On market buy	0.606	3,870	3,870
2023-03-10	SAM USA	On market buy	0.606	9,000	9,000
2023-03-10	SAM USA	On market buy	0.606	2,040	2,040
2023-03-13	SAM USA	On market buy	0.611	1,955	1,955
2023-03-13	SAM USA	On market buy	0.611	765	765
2023-03-13	SAM USA	On market buy	0.611	1,465	1,465
2023-03-13	SAM USA	On market buy	0.611	1,005	1,005
2023-03-13	SAM USA	On market buy	0.611	1,450	1,450
2023-03-13	SAM USA	On market buy	0.611	1,510	1,510
2023-03-13	SAM USA	On market buy	0.611	545	545

2023-03-13	SAM USA	On market buy	0.611	730	730
2023-03-13	SAM USA	On market buy	0.611	550	550
2023-03-13	SAM USA	On market buy	0.611	975	975
2023-03-13	SAM USA	On market buy	0.611	855	855
2023-03-13	SAM USA	On market buy	0.611	1,220	1,220
2023-03-13	SAM USA	On market buy	0.611	2,420	2,420
2023-03-13	SAM USA	On market buy	0.611	1,760	1,760
2023-03-13	SAM USA	On market buy	0.611	710	710
2023-03-13	SAM USA	On market buy	0.611	2,570	2,570
2023-03-13	SAM USA	On market buy	0.611	875	875
2023-03-13	SAM USA	On market buy	0.611	775	775
2023-03-13	SAM USA	On market buy	0.611	680	680
2023-03-13	SAM USA	On market buy	0.611	1,260	1,260
2023-03-13	SAM USA	On market buy	0.611	795	795
2023-03-13	SAM USA	On market buy	0.611	2,410	2,410
2023-03-13	SAM USA	On market buy	0.611	675	675
2023-03-13	SAM USA	On market buy	0.611	2,030	2,030
2023-03-13	SAM USA	On market buy	0.611	765	765
2023-03-13	SAM USA	On market buy	0.611	830	830
2023-03-13	SAM USA	On market buy	0.611	2,815	2,815
2023-03-13	SAM USA	On market buy	0.915	1,201	1,201
2023-03-13	SAM USA	On market buy	0.915	411	411
2023-03-13	SAM USA	On market buy	0.915	1,215	1,215
2023-03-15	SAM USA	On market buy	0.604	269,834	269,834
2023-03-15	SAM USA	On market buy	0.604	378,314	378,314
2023-03-17	SAM LP	On market sell	0.756	85,668	85,668
2023-03-17	SAM LP	On market sell	0.756	75,970	75,970
2023-03-20	SAM USA	On market buy	0.570	4,000	4,000
2023-03-22	SAM USA	On market sell	0.561	14,400	14,400
2023-03-24	SAM USA	On market sell	0.571	4,000	4,000
2023-03-30	SAM USA	On market sell	0.622	26,998	26,998
2023-03-30	SAM USA	On market buy	0.607	12,000	12,000
2023-03-30	SAM USA	On market buy	0.607	6,000	6,000
2023-03-30	SAM USA	On market buy	0.607	40,000	40,000
2023-03-30	SAM USA	On market buy	0.607	4,000	4,000
2023-03-31	SAM USA	On market sell	0.625	36,032	36,032
2023-03-31	SAM USA	On market sell	0.626	8,068	8,068
2023-03-31	SAM USA	On market buy	0.552	6,425	6,425
2023-04-03	SAM USA	On market sell	0.630	137,175	137,175
2023-04-03	SAM USA	On market buy	0.638	7,760	7,760
2023-04-03	SAM USA	On market buy	0.640	1,800	1,800

2023-04-03	SAM USA	On market buy	0.640	1,800	1,800
2023-04-03	SAM USA	On market buy	0.640	2,040	2,040
2023-04-03	SAM USA	On market buy	0.640	3,870	3,870
2023-04-03	SAM USA	On market buy	0.640	8,000	8,000
2023-04-03	SAM USA	On market buy	0.640	2,040	2,040
2023-04-03	SAM USA	On market buy	0.640	3,500	3,500
2023-04-03	SAM USA	On market buy	0.640	3,500	3,500
2023-04-04	SAM USA	On market sell	0.626	10,456	10,456
2023-04-06	SAM USA	On market sell	0.594	2,030,078	2,030,078
Jan 1, 2021 to Apr 6, 2023	SAM USA	SAM USA gained control of the voting of securities as a result of change in account status or transfers	N/A	492,149	492,149

Annexure B

This is annexure B of 1 page (including this page) referred to in Form 604 "Notice of change of interests of substantial holder".

Thomas W. Ulrich
 Name: *Thomas W. Ulrich*
 Date: *April 17 2023*

Annexure B -- Details of Sprott Inc. and its controlled entities

Name	Address of Registered Office	Postal Address
Sprott Inc.	200 Bay Street, Royal Bank Plaza, South Tower, Suite 2600, Toronto, Ontario, M5J 2J1	200 Bay Street, Royal Bank Plaza, South Tower, Suite 2600, Toronto, Ontario, M5J 2J1
Resource Capital Investment Corp.	1910 Palomar Point Way, Suite 200, Carlsbad, California 92008	1910 Palomar Point Way, Suite 200, Carlsbad, California 92008
Sprott Asset Management LP	Royal Bank Plaza, South Tower 200 Bay Street, Suite 2600 Toronto, Ontario M5J 2J1	Royal Bank Plaza, South Tower 200 Bay Street, Suite 2600 Toronto, Ontario M5J 2J1
Sprott Asset Management USA Inc.	1910 Palomar Point Way, Suite 200, Carlsbad, California 92008	1910 Palomar Point Way, Suite 200, Carlsbad, California 92008
Sprott Capital Partners	200 Bay Street, Royal Bank Plaza, South Tower, Suite 2700, Toronto, Ontario, M5J 2J1	200 Bay Street, Royal Bank Plaza, South Tower, Suite 2700, Toronto, Ontario, M5J 2J1
Sprott GenPar Ltd.	Royal Bank Plaza, South Tower 200 Bay Street, Suite 2600 Toronto, Ontario M5J 2J1	Royal Bank Plaza, South Tower 200 Bay Street, Suite 2600 Toronto, Ontario M5J 2J1
Sprott Global Resource Investments Ltd	1910 Palomar Point Way, Suite 200, Carlsbad, California 92008	1910 Palomar Point Way, Suite 200, Carlsbad, California 92008
Sprott Resource Lending Corp.	Royal Bank Plaza, South Tower 200 Bay Street, Suite 2600 Toronto, Ontario M5J 2J1	Royal Bank Plaza, South Tower 200 Bay Street, Suite 2600 Toronto, Ontario M5J 2J1
Sprott U.S. Holdings Inc.	1910 Palomar Point Way, Suite 200, Carlsbad, California 92008	1910 Palomar Point Way, Suite 200, Carlsbad, California 92008
Sprott US GenPar LLC	1910 Palomar Point Way, Suite 200, Carlsbad, California 92008	1910 Palomar Point Way, Suite 200, Carlsbad, California 92008
Sprott Resource Streaming and Royalty Corp.	200 Bay Street, Royal Bank Plaza, South Tower, Suite 2600, Toronto, Ontario, M5J 2J1	200 Bay Street, Royal Bank Plaza, South Tower, Suite 2600, Toronto, Ontario, M5J 2J1