

## Mineral Reserves and Resources

June 2022

The following tables provide a breakdown of Seabridge's most recent National Instrument 43-101 compliant estimates of mineral reserves and resources by project. Seabridge notes that mineral resources that are not mineral reserves do not have demonstrated economic viability.

### Proven and Probable Mineral Reserves

Project	Zone	Reserve Category	Tonnes (millions)	Average Grades				Contained Metal			
				Gold (gpt)	Copper (%)	Silver (gpt)	Moly (ppm)	Gold (million ounces)	Copper (million pounds)	Silver (million ounces)	Moly (million pounds)
KSM	Mitchell	Proven	483	0.74	0.20	3.3	49	11.5	2,161	51	53
		Probable	452	0.59	0.15	2.5	74	8.6	1,458	36	74
	East Mitchell	Proven	814	0.69	0.11	1.8	91	18.1	2,043	47	163
		Probable	392	0.46	0.09	1.7	84	5.8	784	21	73
	Sulphurets	Probable	151	0.68	0.26	1.0	70	3.3	874	5	23
KSM Totals	Proven		1,297	0.71	0.15	2.4	75	29.6	4,203	98	215
	Probable		995	0.55	0.14	1.9	77	17.7	3,116	62	170
	<b>Total</b>		<b>2,292</b>	<b>0.64</b>	<b>0.14</b>	<b>2.2</b>	<b>76</b>	<b>47.3</b>	<b>7,320</b>	<b>160</b>	<b>385</b>
Courageous Lake	Proven		12	2.41	n/a	n/a	n/a	1.0	n/a	n/a	n/a
	Probable		79	2.17				5.5			
	<b>Total</b>		<b>91</b>	<b>2.20</b>				<b>6.5</b>			
<b>Seabridge Totals</b>								<b>53.8</b>	<b>7,320</b>	<b>160</b>	<b>385</b>

### Mineral Resources (Includes Mineral Reserves as stated above)

#### Measured Resources

Project	Cut Off Grade (g/t)	Tonnes (000)	Gold		Copper		Silver		Molybdenum	
			Grade (g/t)	Ounces (millions)	Grade (%)	Pounds (millions)	Grade (g/t)	Ounces (millions)	Grade (ppm)	Pounds (millions)
KSM:	NSR:									
Mitchell	\$10.75	692,000	0.68	15.1	0.19	2,876	3.3	72.8	52	79
East Mitchell	\$11.25	1,013,000	0.65	21.1	0.11	2,514	1.8	59.2	89	198
KSM Total		1,705,000	0.66	36.2	0.14	5,390	2.4	132.0	74	277
Bronson Slope	\$9 NSR	84,150	0.42	1.1	0.15	280	2.2	6.0	n/a	n/a
Courageous Lake	0.83	13,401	2.53	1.1	n/a	n/a	n/a	n/a	n/a	n/a
Quartz Mountain*	0.34	3,480	0.98	0.1	n/a	n/a	n/a	n/a	n/a	n/a
<b>Total Measured Resources</b>				<b>38.6</b>		<b>5,670</b>		<b>138.1</b>		<b>277</b>

#### Indicated Resources

Project	Cut Off Grade (g/t)	Tonnes (000)	Gold		Copper		Silver		Molybdenum	
			Grade (g/t)	Ounces (millions)	Grade (%)	Pounds (millions)	Grade (g/t)	Ounces (millions)	Grade (ppm)	Pounds (millions)
KSM:	\$10.75-									
Mitchell	\$11.25	1,667,000	0.48	25.9	0.14	5,120	2.8	149.2	66	241
East Mitchell	NSR	746,000	0.42	10.0	0.08	1,390	1.7	41.8	79	130
Sulphurets	Pits	446,000	0.55	7.9	0.21	2,064	1.0	14.3	53	52
Kerr	\$16	374,000	0.22	2.7	0.41	3,405	1.1	13.7	5	4
Iron Cap	NSR	423,000	0.41	566	0.22	2,051	4.6	62.6	41	38
KSM Total	UG	3,656,000	0.44	52.1	0.17	14,030	2.4	281.6	58	465
Bronson Slope	\$9 NSR	102,740	0.31	1.0	0.10	222	2.2	7.2	n/a	n/a
Courageous Lake	0.83	93,914	2.28	6.9	n/a	n/a	n/a	n/a	n/a	n/a
Quartz Mountain*	0.34	54,330	0.91	1.6	n/a	n/a	n/a	n/a	n/a	n/a
<b>Total Indicated Resources</b>				<b>61.6</b>		<b>14,252</b>		<b>288.8</b>		<b>465</b>

### Measured plus Indicated Resources

Project	Cut Off Grade (g/t)	Tonnes (000)	Gold		Copper		Silver		Molybdenum	
			Grade (g/t)	Ounces (millions)	Grade (%)	Pounds (millions)	Grade (g/t)	Ounces (millions)	Grade (ppm)	Pounds (millions)
KSM:										
Mitchell	\$10.75-	2,359,000	0.54	41.1	0.15	7,996	2.9	222.0	62	320
East Mitchell	\$11.25	1,759,000	0.55	31.2	0.10	3,904	1.8	101.0	85	328
Sulphurets	NSR Pits	446,000	0.55	7.9	0.21	2,064	1.0	14.3	53	52
Kerr	\$16	370,000	0.22	2.7	0.41	3,405	1.1	13.7	5	4
Iron Cap	NSR	423,000	0.41	5.6	0.22	2,051	4.6	62.6	41	38
KSM Total	UG	5,357,000	0.51	88.4	0.16	19,420	2.4	413.7	63	742
Bronson Slope	\$9 NSR	186,890	0.36	2.1	0.12	502	2.2	13.2	n/a	n/a
Courageous Lake	0.83	107,315	2.31	8.0	n/a	n/a	n/a	n/a	n/a	n/a
Quartz Mountain*	0.34	57,810	0.92	1.7	n/a	n/a	n/a	n/a	n/a	n/a
Total Measured plus Indicated Resources			100.2		19,922		426.9		742	

### Inferred Resources

Project	Cut Off Grade (g/t)	Tonnes (000)	Gold		Copper		Silver		Molybdenum	
			Grade (g/t)	Ounces (millions)	Grade (%)	Pounds (millions)	Grade (g/t)	Ounces (millions)	Grade (ppm)	Pounds (millions)
KSM:										
Mitchell	\$10.75	1,283,000	0.29	11.8	0.14	3,832	2.5	102.3	47	133
East Mitchell	NSR Pits	281,000	0.37	3.3	0.07	403	2.3	21.1	61	38
Sulphurets		223,000	0.44	3.2	0.13	639	1.3	9.3	30	15
Kerr	\$16	1,999,000	0.31	19.8	0.40	17,720	1.8	114.4	23	103
Iron Cap	NSR	1,899,000	0.45	27.5	0.30	12,556	2.6	158.7	30	126
KSM Total	UG	5,685,000	0.36	65.6	0.28	35,150	2.2	405.8	33	415
Courageous Lake:										
FAT Deposit	0.83	48,963	2.18	3.4	n/a	n/a	n/a	n/a	n/a	n/a
Walsh Lake	0.60	4,624	3.24	0.5	n/a	n/a	n/a	n/a	n/a	n/a
Quartz Mountain*	0.34	44,800	0.72	1.0	n/a	n/a	n/a	n/a	n/a	n/a
Total Inferred Resources			70.6		35,150		405.8		415	

\* As of June 2022, the Quartz Mountain project was subject to an option agreement under which a 100% interest in the project may be acquired from Seabridge by the optionee.

Notes:

1. United States investors are cautioned that the requirements and terminology of NI 43-101 differ significantly from the requirements of the SEC, including Industry Guide 7 under the US Securities Act of 1933. Accordingly, the Issuer's disclosures regarding mineralization may not be comparable to similar information disclosed by companies subject to the SEC's Industry Guide 7. Mineral Resources, which are not Mineral Reserves, do not have demonstrated economic viability. It is reasonably expected that the majority of Inferred Mineral Resources could be upgraded to Indicated Mineral Resources with continued exploration.
2. The KSM Mineral Reserve estimates herein were reviewed by Moose Mountain Technical Services under the supervision of Jim Gray, P.Eng., who is independent of Seabridge, and a Qualified Person as defined by National Instrument 43-101, and have an effective date of May 26, 2022.
3. The KSM Mineral Resource estimates herein were prepared by Wood Canada Limited under the supervision of Henry Kim, P.Geo., who is independent of Seabridge, and a Qualified Person as defined by National Instrument 43-101, and have effective dates of March 31, 2022 for Mitchell and East Mitchell and December 31, 2019 for Kerr, Sulphurets and Iron Cap.