

## 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
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 (000)	Grade (%)	Pounds (millions)	Grade (g/t)	Ounces (000)	Grade (ppm)	Pounds (millions)
KSM:	NSR:									
Mitchell	\$10.75	691,700	0.68	15,124	0.19	2,876	3.3	72,831	52	79
East Mitchell	\$11.25	1,012,800	0.65	21,098	0.11	2,514	1.8	59,233	89	198
KSM Total		1,704,500	0.66	36,222	0.14	5,390	2.4	132,064	74	277
Bronson Slope	\$9 NSR	84,150	0.42	1,140	0.15	280	2.2	6,010	n/a	n/a
Courageous Lake	0.83	13,401	2.53	1,090	n/a	n/a	n/a	n/a	n/a	n/a
Quartz Mountain*	0.34	3,480	0.98	110	n/a	n/a	n/a	n/a	n/a	n/a
Total Measured Resources				38,562		5,670		138,074		277

#### Indicated Resources

Project	Cut Off Grade (g/t)	Tonnes (000)	Gold		Copper		Silver		Molybdenum	
			Grade (g/t)	Ounces (000)	Grade (%)	Pounds (millions)	Grade (g/t)	Ounces (000)	Grade (ppm)	Pounds (millions)
KSM:	\$10.75-									
Mitchell	\$11.25	1,667,000	0.48	25,935	0.14	5,120	2.8	149,160	66	241
East Mitchell	NSR	746,200	0.42	10,080	0.08	1,390	1.7	41,814	79	130
Sulphurets	Pits	446,000	0.55	7,887	0.21	2,064	1.0	14,339	53	52
Kerr	\$16	374,000	0.22	2,660	0.41	3,405	1.1	13,744	5	4
Iron Cap	NSR	423,000	0.41	5,576	0.22	2,051	4.6	62,559	41	38
KSM Total	UG	3,656,200	0.44	52,138	0.17	14,030	2.4	281,616	58	465
Bronson Slope	\$9 NSR	102,740	0.31	1,020	0.10	222	2.2	7,160	n/a	n/a
Courageous Lake	0.83	93,914	2.28	6,884	n/a	n/a	n/a	n/a	n/a	n/a
Quartz Mountain*	0.34	54,330	0.91	1,591	n/a	n/a	n/a	n/a	n/a	n/a
Total Indicated Resources				61,633		14,252		288,776		465

### Measured plus Indicated Resources

Project	Cut Off Grade (g/t)	Tonnes (000)	Gold		Copper		Silver		Molybdenum	
			Grade (g/t)	Ounces (000)	Grade (%)	Pounds (millions)	Grade (g/t)	Ounces (000)	Grade (ppm)	Pounds (millions)
KSM:										
Mitchell	\$10.75-	2,358,700	0.54	41,059	0.15	7,996	2.9	221,991	62	320
East Mitchell	\$11.25	1,759,000	0.55	31,178	0.10	3,904	1.8	101,047	85	328
Sulphurets	NSR Pits	446,000	0.55	7,887	0.21	2,064	1.0	14,339	53	52
Kerr	\$16	370,000	0.22	2,660	0.41	3,405	1.1	13,744	5	4
Iron Cap	NSR	423,000	0.41	5,576	0.22	2,051	4.6	62,559	41	38
KSM Total	UG	5,356,700	0.51	88,360	0.16	19,420	2.4	413,680	63	742
East Mitchell	\$11.20	1,759,000	0.55	31,178	0.10	3,904	1.8	101,047	85	328
Bronson Slope	\$9	186,890	0.36	2,160	0.12	502	2.2	13,170	n/a	n/a
Courageous Lake	NSR	107,315	2.31	7,974	n/a	n/a	n/a	n/a	n/a	n/a
Quartz Mountain*	0.83	57,810	0.92	1,701	n/a	n/a	n/a	n/a	n/a	n/a
Total Measured plus Indicated Resources				100,195		19,922		426,850		742

### Inferred Resources

Project	Cut Off Grade (g/t)	Tonnes (000)	Gold		Copper		Silver		Molybdenum	
			Grade (g/t)	Ounces (000)	Grade (%)	Pounds (millions)	Grade (g/t)	Ounces (000)	Grade (ppm)	Pounds (millions)
KSM:										
Mitchell	\$10.75	1,282,600	0.29	11,819	0.14	3,832	2.5	102,228	47	133
East Mitchell	NSR	281,100	0.37	3,372	0.07	403	2.3	21,112	61	38
Sulphurets	Pits	223,000	0.44	3,155	0.13	639	1.3	9,320	30	15
Kerr	\$16	1,999,000	0.31	19,823	0.40	17,720	1.8	114,431	23	103
Iron Cap	NSR	1,899,000	0.45	27,474	0.30	12,556	2.6	158,741	30	126
KSM Total	UG	5,684,700	0.36	65,643	0.28	35,150	2.2	405,832	33	415
Courageous Lake:										
FAT Deposit	0.83	48,963	2.18	3,432	n/a	n/a	n/a	n/a	n/a	n/a
Walsh Lake	0.60	4,624	3.24	482	n/a	n/a	n/a	n/a	n/a	n/a
Quartz Mountain*	0.34	44,800	0.72	1,043	n/a	n/a	n/a	n/a	n/a	n/a
Total Inferred Resources				70,600		35,150		405,832		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.

Note: 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.