



JUNE 2022

# SEABRIDGE GOLD

Unparalleled leverage in emerging gold and copper bull markets.

## FORWARD LOOKING STATEMENTS

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All reserve and resource estimates reported by the Company were calculated in accordance with the Canadian National Instrument 43-101 and the Canadian Institute of Mining and Metallurgy Classification system. These standards differ significantly from the requirements of the U.S. Securities and Exchange Commission. Mineral resources which are not mineral reserves do not have demonstrated economic viability.

Statements relating to the estimated or expected future production and operating results and costs and financial condition of Seabridge, planned work at the Company's projects and the expected results of such work are forward-looking statements within the meaning of the United States Private Securities Litigation Reform Act of 1995. Forward-looking statements are statements that are not historical facts and are generally, but not always, identified by words such as the following: expects, plans, anticipates, believes, intends, estimates, projects, assumes, potential and similar expressions. Forward-looking statements also include reference to events or conditions that will, would, may, could or should occur. Information concerning exploration results and mineral reserve and resource estimates may also be deemed to be forward-looking statements, as it constitutes a prediction of what might be found to be present when and if a project is actually developed. These forward-looking statements are necessarily based upon a number of estimates and assumptions that, while considered reasonable at the time they are made, are inherently subject to a variety of risks and uncertainties which could cause actual events or results to differ materially from those reflected in the forward-looking statements, including, without limitation: uncertainties related to raising sufficient financing to fund the planned work in a timely manner and on acceptable terms; changes in planned work resulting from logistical, technical or other factors; the possibility that results of work will not fulfill projections/expectations and realize the perceived potential of the Company's projects; uncertainties involved in the interpretation of drilling results and other tests and the estimation of gold reserves and resources; risk of accidents, equipment breakdowns and labour disputes or other unanticipated difficulties or interruptions; the possibility of environmental issues at the Company's projects; the possibility of cost overruns or unanticipated expenses in work programs; the need to obtain permits and comply with environmental laws and regulations and other government requirements; fluctuations in the price of gold and other risks and uncertainties, including those described in the Company's Annual Information Form filed with SEDAR in Canada (available at [www.sedar.com](http://www.sedar.com)) for the year ended December 31, 2021 and in the Company's Annual Report Form 40-F filed with the U.S. Securities and Exchange Commission on EDGAR (available at [www.sec.gov/edgar.shtml](http://www.sec.gov/edgar.shtml)).

Forward-looking statements are based on the beliefs, estimates and opinions of the Company's management or its independent professional consultants on the date the statements are made.

# THE CASE FOR SEABRIDGE

## UNPARALLELED LEVERAGE IN EMERGING GOLD AND COPPER BULL MARKETS

- ▶ Seabridge is ranked among the world's top ten companies in gold reserves
- ▶ Over 2 oz of gold resources per share, top amongst the world's leading companies
- ▶ Over 600 pounds of copper resources per share, more than the world's largest copper companies
- ▶ Two PFS-stage projects (KSM & Courageous Lake) with a combined 45M oz of gold plus 10 billion pounds of copper and tremendous torque to higher gold and copper prices

## KSM: WORLD'S LARGEST UNDEVELOPED GOLD/COPPER PROJECT

- ▶ Environmental approvals in hand in a low-risk jurisdiction
- ▶ P&P reserves: 38.8M oz Au and 10.2B lbs Cu
- ▶ 2016 PFS demonstrates 53-year mine plan with all-in costs of gold production of \$673 per ounce
- ▶ 2016 PFS mine plan excludes 79M oz Au and 33B lbs CU added since 2013 with grades better than reserve grade
- ▶ Updated PFS in progress to incorporate newly acquired East Mitchell deposit (formerly Snowfield)

## LARGE PORTFOLIO OF EXPLORATION PROJECTS IN NORTH AMERICA

- ▶ Iskut (BC): exploring for potential copper-gold porphyry similar to Deep Kerr
- ▶ Snowstorm (Nevada): massive property at intersection of three major Nevada gold belts
- ▶ 3 Aces (Yukon): potential for multiple district-scale, high-grade orogenic gold deposits
- ▶ Control of over 1,200 km<sup>2</sup> of largely unexplored properties in highly prospective districts

## MANY NEAR-TERM CATALYSTS

- ▶ KSM: top candidate for a potential JV with a major on attractive terms
- ▶ Iskut: 2022 drill program to further test for large gold/copper porphyry system found in 2020
- ▶ Snowstorm: ongoing drill program (5,700 m) to test structures with similar geology as nearby world-class Turquoise Ridge Complex
- ▶ 3 Aces: preparing for 2022 drill program

## RECORD OF ADDING VALUE WITH MINIMAL SHARE DILUTION

- ▶ Added 89M oz Au and 35B lbs Cu of inferred resources at KSM since discovering Deep Kerr in 2013
- ▶ Built a large project pipeline following three low-cost acquisitions (Iskut, Snowstorm, 3 Aces) since 2017
- ▶ Since 2003, total gold resources per share has increased by 228%

## PROVEN LEADERSHIP TEAM AND COMPELLING VALUE

- ▶ Assembled a premier exploration & development team that has discovered over 100 million ounces of gold at KSM and advanced the project through engineering and EA approvals
- ▶ Trading at an EV/reserve multiple of only US\$20/oz of gold and an EV/resource multiple of only US\$5/oz

# LARGE NORTH AMERICAN PORTFOLIO OF PREMIER GOLD PROJECTS

## ISKUT PROJECT (100%)

British Columbia, Canada

- ▶ 294 km<sup>2</sup> property located in northern British Columbia, ~110 km northwest of Stewart, BC
- ▶ Only 20 km by air from the KSM Project
- ▶ Includes the former high-grade Johnny Mountain gold mine and the Bronson Slope Cu-Au deposit
- ▶ Johnny Mountain produced 90.5K oz Au, 19.8K oz Ag and 2.2M lbs Cu at 11.3 g/t Au, 2.5 g/t Ag and 0.40% Cu

## KSM (100%)

British Columbia, Canada

- ▶ World's largest undeveloped project by gold and copper resources
- ▶ Received B.C. Environmental Assessment certificate in July 2014 and federal environmental approval in December 2014
- ▶ 2016 PFS captures 38.8M ozs Au and 10.2B lbs Cu in proven and probable reserves
- ▶ Recent acquisition of East Mitchell (formerly Snowfield) deposit expected to increase reserves and enhance project economics

## COURAGEOUS LAKE (100%)

Northwest Territories, Canada

- ▶ One of Canada largest undeveloped projects by gold reserves (6.5M oz Au at 2.2 g/t Au)
- ▶ 2012 PFS demonstrates economic project with exceptional leverage to higher gold prices

## 3 ACES (100%)

Yukon Territory, Canada

- ▶ 314 km<sup>2</sup> property with year-round access
- ▶ District-scale, orogenic gold zones
- ▶ 300 holes with 37% intersecting +5 g/t Au

## SNOWSTORM PROJECT (100%)

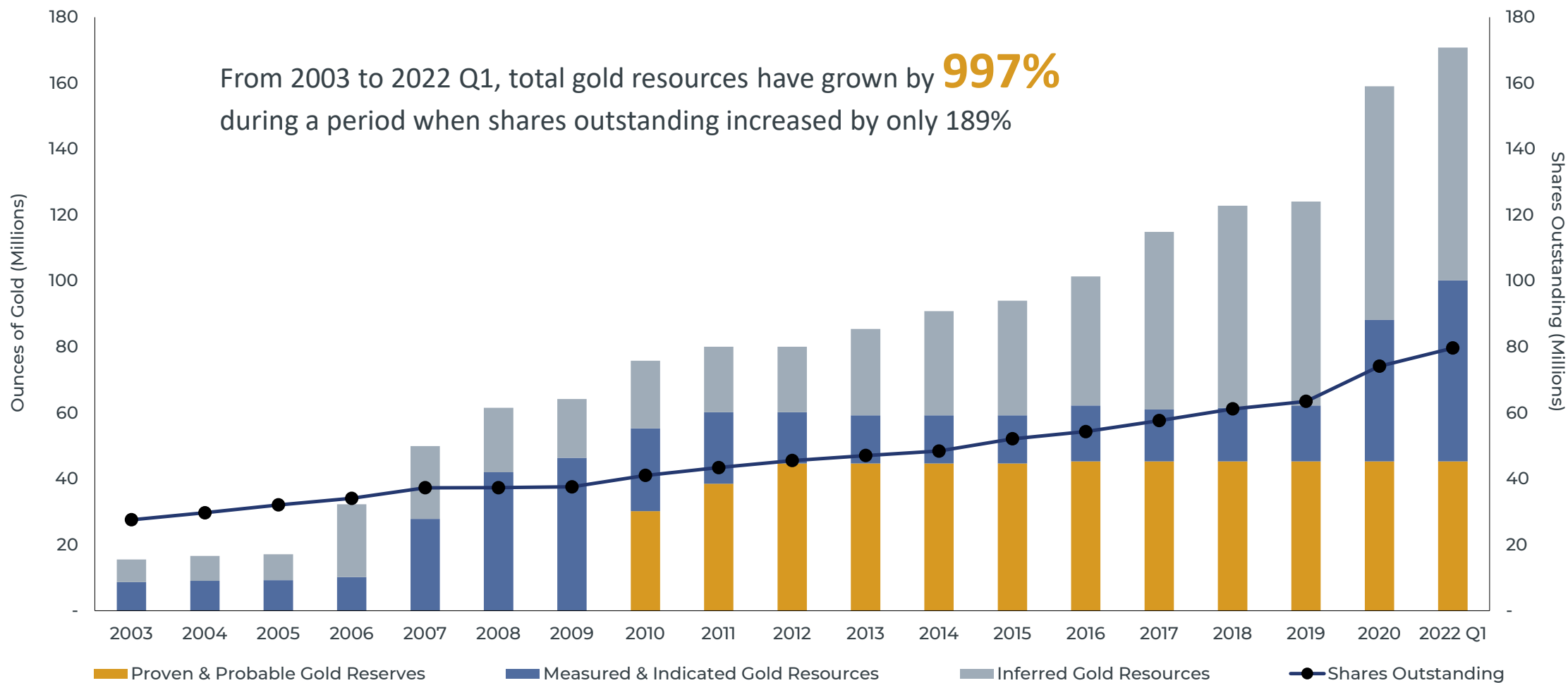
Nevada, USA

- ▶ 103 km<sup>2</sup> property located at intersection of three major Nevada gold belts
- ▶ Contiguous and on strike with several large gold mines (Getchell/Turquoise Ridge, Twin Creeks and Midas)

10% NPI in Grassy Mountain (Oregon)

# SHARE DILUTION MATTERS

- ▶ Our objective is to grow ounces in the ground faster than shares outstanding



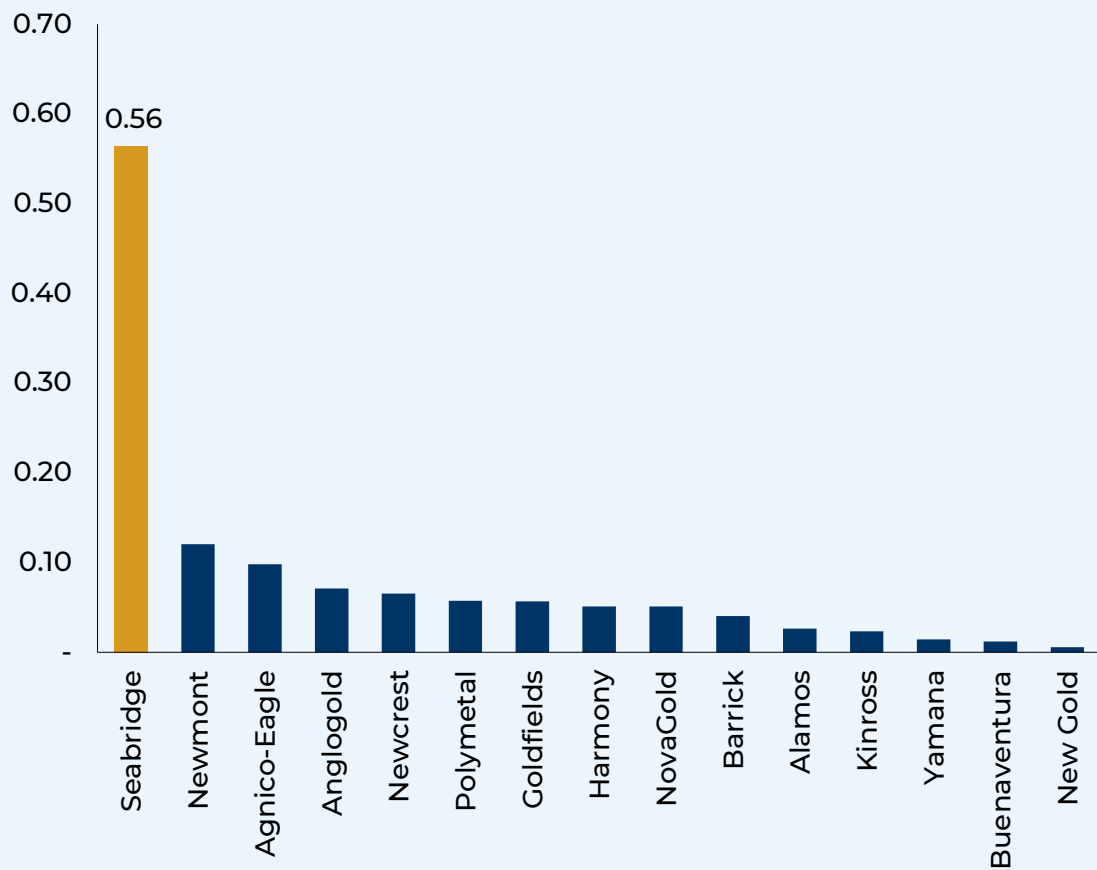
Source: Company data

Note: For a breakdown of Seabridge’s mineral reserves and resources by project, tonnes and grade, please visit <http://seabridgegold.net/resources.php>

## SUPERIOR LEVERAGE TO GOLD

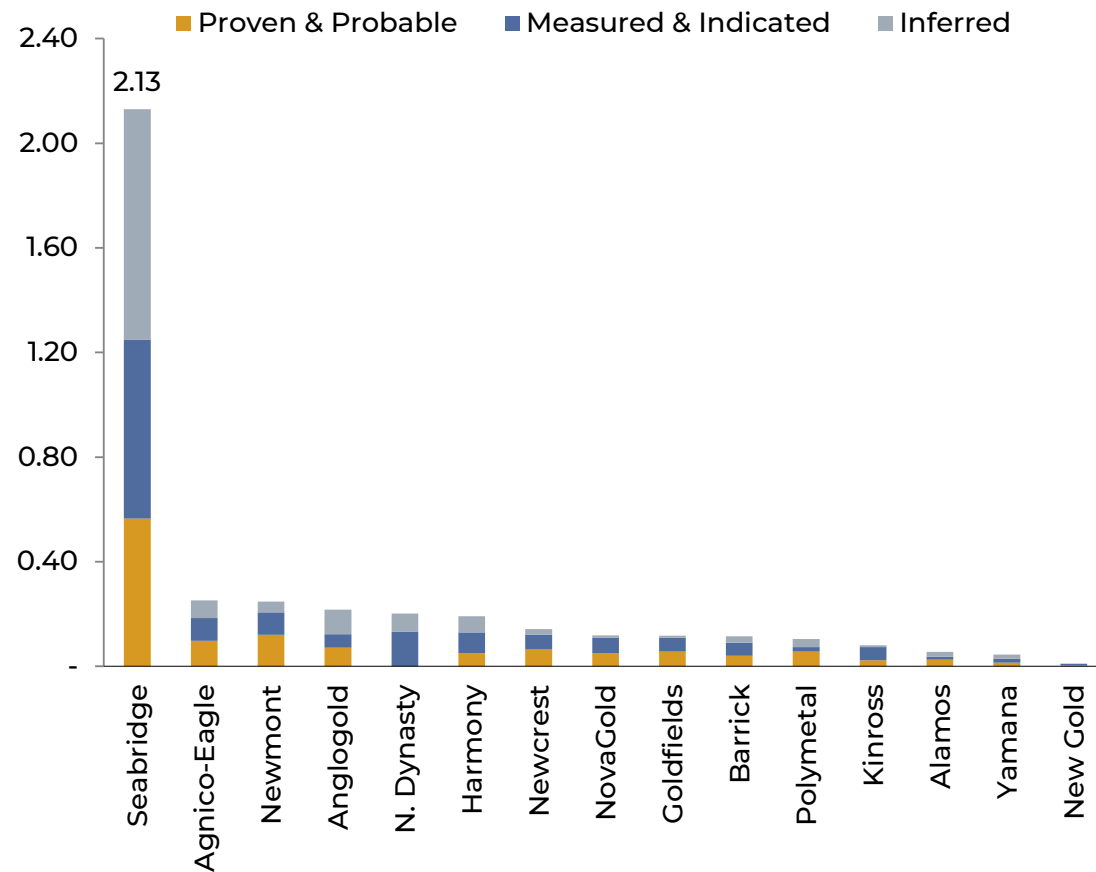
- ▶ Seabridge ranks 1st in gold reserves/share among North American listed gold companies

### GOLD RESERVES (OUNCES) PER COMMON SHARE



- ▶ Seabridge ranks 1st in gold resources/share among North American listed gold companies

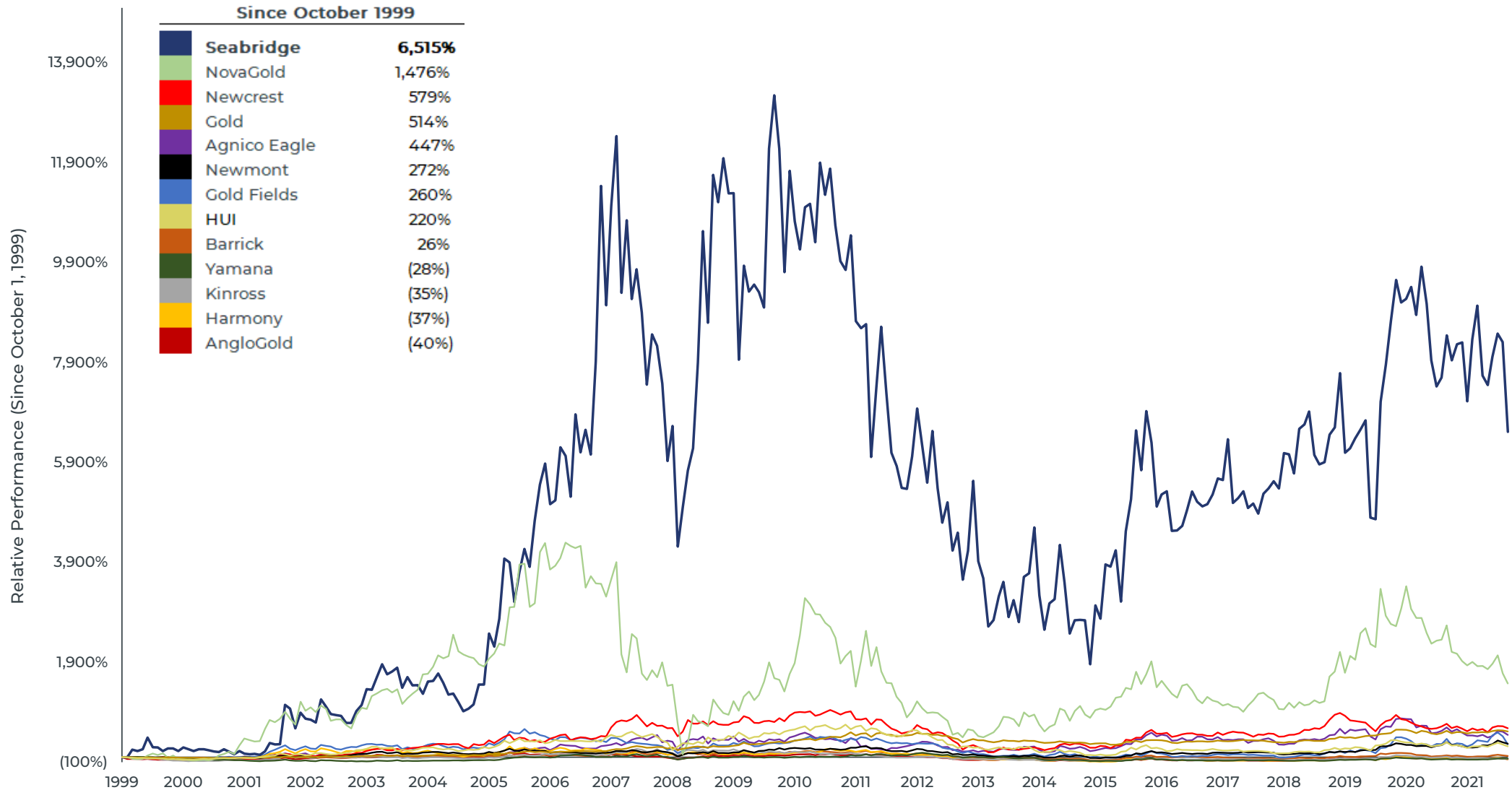
### GOLD RESOURCES (OUNCES) PER COMMON SHARE



Source: Company data. Data as of May 31, 2022

Note: Companies shown include North America's largest gold companies and selected gold project development companies

# IN A RISING GOLD MARKET, SEABRIDGE IS A STOCK TO OWN

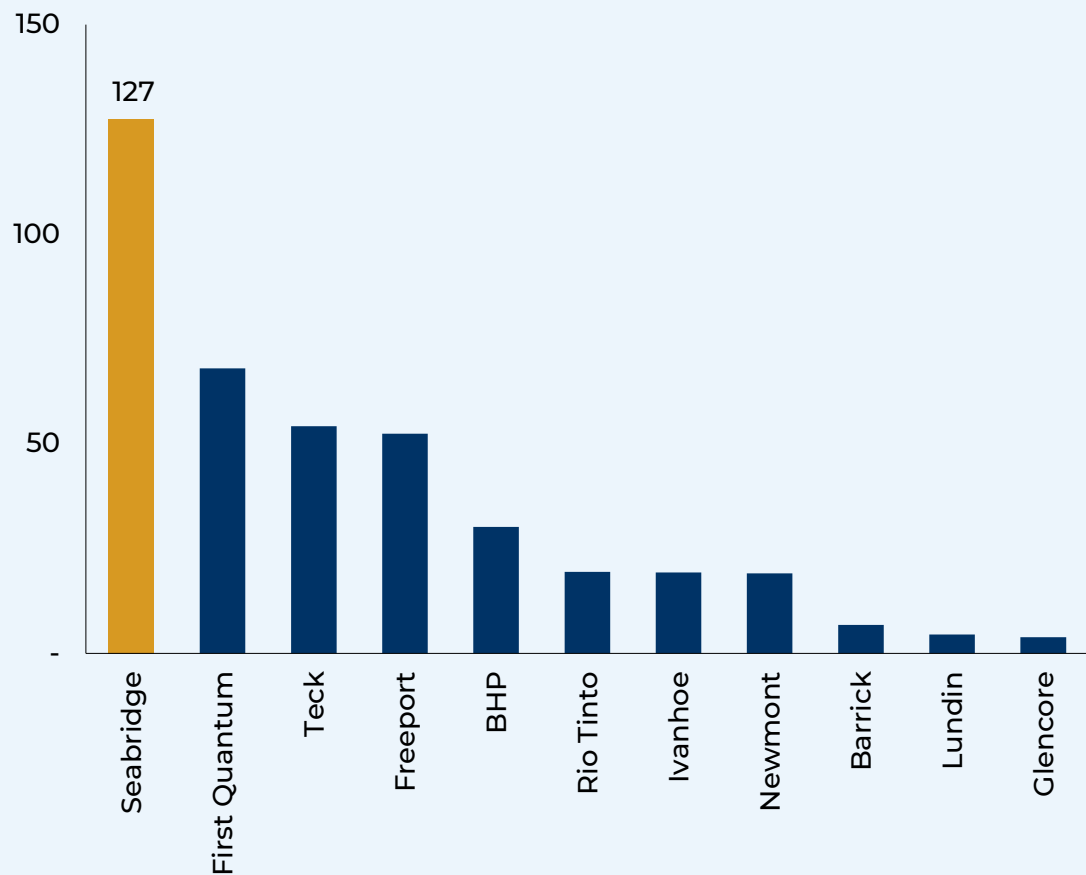


Source: Company data. As of May 31, 2022

## SUPERIOR LEVERAGE TO COPPER

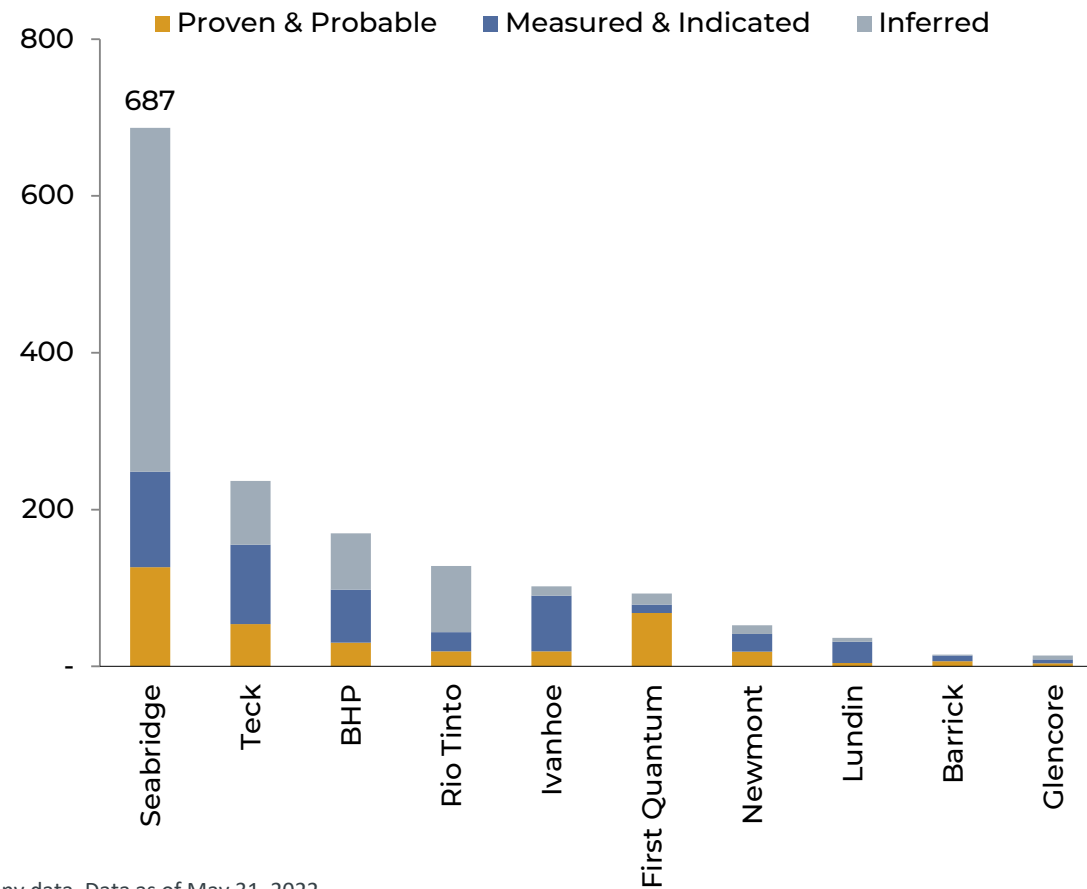
- ▶ Seabridge ranks 1st in copper reserves/share among major listed copper/gold companies

### COPPER RESERVES (POUNDS) PER COMMON SHARE



- ▶ Seabridge ranks 1st in copper resources/share among major listed copper/gold companies

### COPPER RESOURCES (POUNDS) PER COMMON SHARE



Source: Company data. Data as of May 31, 2022

Note: In addition to Seabridge, companies shown include North America's largest copper and gold/copper producing companies



# KSM PROJECT

British Columbia, Canada

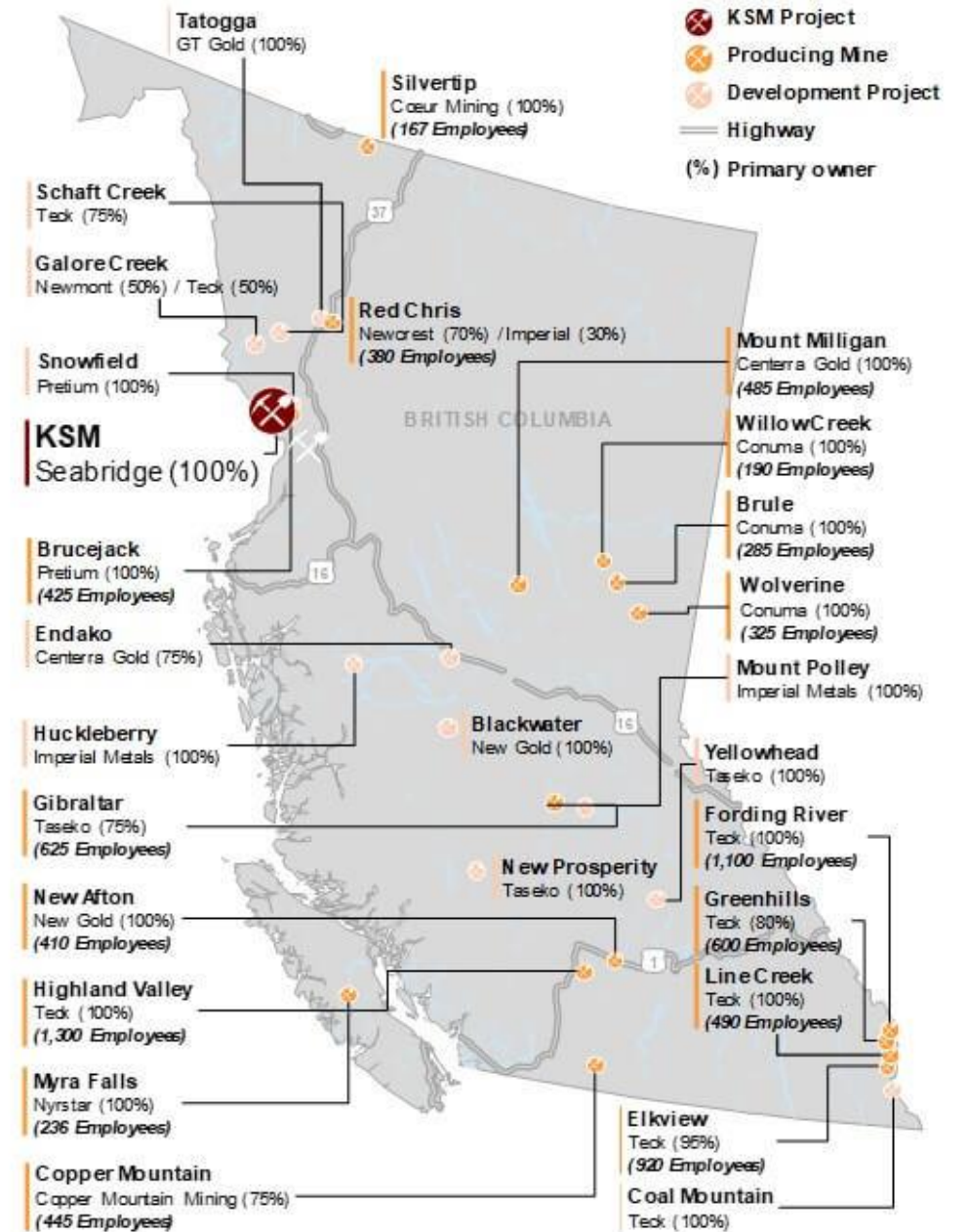


## KSM: A RARE, WORLD-CLASS PROJECT IN A TOP MINING JURISDICTION

- ▶ World’s largest undeveloped gold/copper project by gold and copper resources
- ▶ Located in mining-friendly British Columbia near existing and past producers
  - ▶ Adjacent to established infrastructure
  - ▶ Access to regional workforce and supplies
  - ▶ Established procedures for obtaining permits

### ENVIRONMENTAL AND SOCIAL APPROVALS

- ▶ B.C. Environmental Assessment certificate issued July 2014
- ▶ Federal Environmental approval received December 2014
- ▶ Established social license with local communities
  - ▶ Signed Impact Benefit Agreements with Nisga’a and Tahltn Nations
  - ▶ Letters of support received from Terrace, Smithers and the Gitksan Nation
  - ▶ Non opposition agreement with Gitanyow Nation



## SIGNIFICANT REGIONAL & LOCAL INFRASTRUCTURE

- ▶ Northwest Transmission Line completed in 2014
  - ▶ ~31.5 km between powerline to KSM process plant
- ▶ Paved Highway 37 allows efficient transport to and from port and mine – in use to support Brucejack and Red Chris
- ▶ Two nearby ports at Stewart B.C.
- ▶ Two nearby regional airports and a local airstrip
- ▶ Recent federal and provincial government additional funding to complete bringing fiber-optic communications to the Tahltan Territory



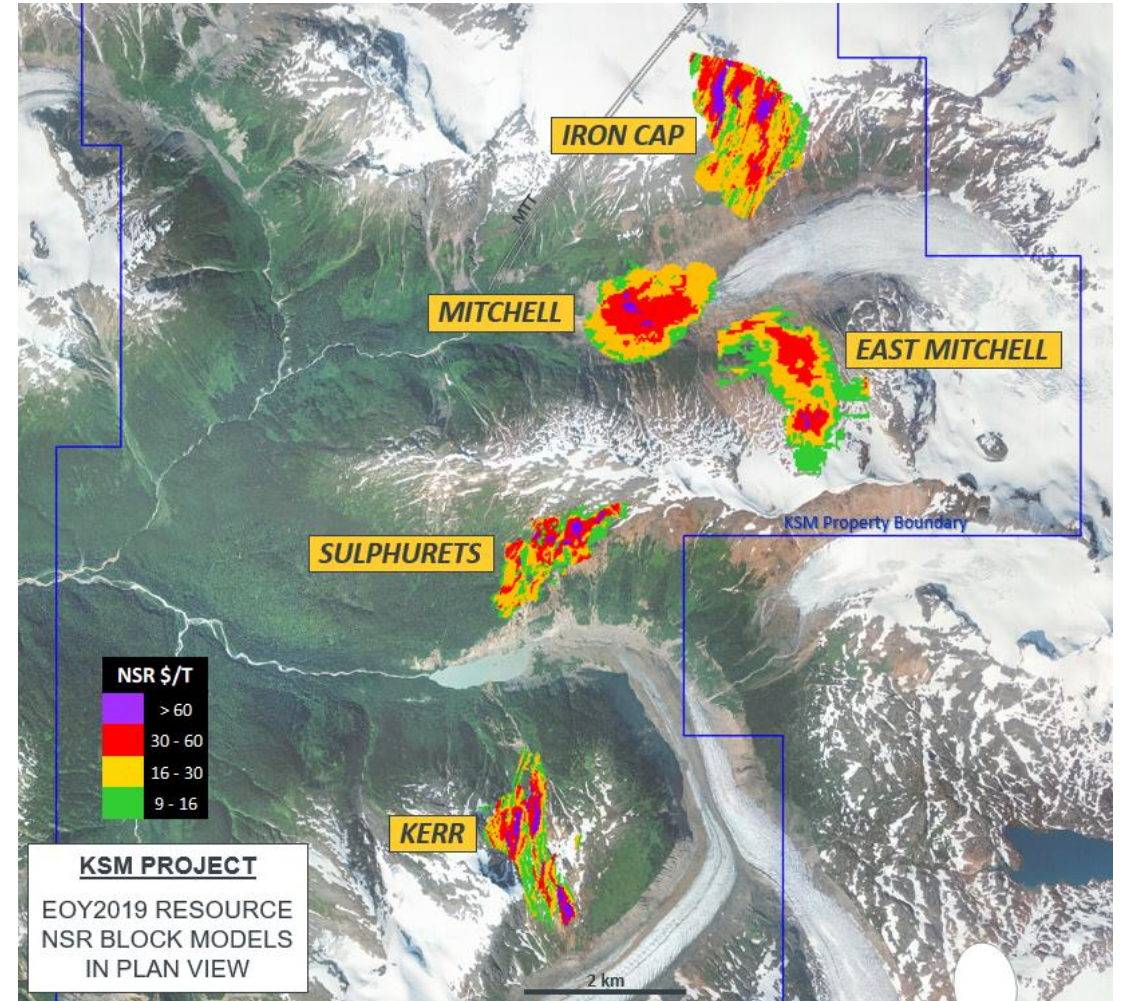
## MULTI-GENERATIONAL DISTRICT POTENTIAL

- ▶ Mine plans focused on highest grade and most economic portions of deposits
- ▶ Current mine plans capture less than 1/4 of total mineral resources and does not include the East Mitchell (formerly Snowfield) deposit

### NI 43-101 COMPLIANT RESERVES & RESOURCES

		<i>M tonnes</i>	<i>g/t Au</i>	<i>% Cu</i>	<i>g/t Ag</i>	<i>ppm Mo</i>	<i>M oz Au</i>	<i>M lbs Cu</i>	<i>M oz Ag</i>	<i>M lbs Mo</i>
Mitchell	P&P	1,394	0.61	0.17	3.1	53	27.5	5,092	140	164
	M&I	2,359	0.54	0.15	2.9	62	41.1	7,996	222	320
	Inferred	1,283	0.29	0.14	2.5	47	11.8	3,832	102	133
Iron Cap	P&P	224	0.49	0.20	3.6	12	3.5	983	26	6
	M&I	423	0.41	0.22	4.6	41	5.6	2,051	63	38
	Inferred	1,899	0.45	0.30	2.6	30	27.5	12,556	159	126
Kerr	P&P	276	0.22	0.43	1.0	3	2.0	2,586	9	2
	M&I	370	0.22	0.41	1.2	5	2.7	3,405	14	4
	Inferred	1,999	0.31	0.40	1.8	23	19.8	17,720	114	103
Sulphurets	P&P	304	0.59	0.22	0.8	52	5.8	1,495	8	35
	M&I	446	0.55	0.21	1.0	53	7.9	2,064	14	52
	Inferred	223	0.31	0.41	1.3	31	3.2	639	9	15
East Mitchell	M&I	1,759	0.55	0.10	1.8	85	31.2	3,904	101	328
	Inferred	281	0.37	0.07	2.3	61	3.4	403	21	38
<b>All</b>	<b>P&amp;P</b>	<b>2,198</b>	<b>0.55</b>	<b>0.21</b>	<b>2.6</b>	<b>110</b>	<b>38.8</b>	<b>10,155</b>	<b>183</b>	<b>535</b>
	<b>M&amp;I</b>	<b>5,357</b>	<b>0.51</b>	<b>0.16</b>	<b>2.4</b>	<b>63</b>	<b>88.4</b>	<b>19,420</b>	<b>414</b>	<b>742</b>
	<b>Inferred</b>	<b>5,685</b>	<b>0.36</b>	<b>0.28</b>	<b>2.2</b>	<b>33</b>	<b>65.6</b>	<b>35,150</b>	<b>406</b>	<b>415</b>

Note: M&I resources are inclusive of reserves



Note: blue lines indicate KSM property boundaries following announced transaction to acquire 100% of the Snowfield deposit now renamed East Mitchell property

**11.0 Billion tonnes including East Mitchell (Snowfield)**

## 2016 PREFEASIBILITY STUDY

- ▶ Combined open pit/underground block caving operation
  - ▶ Over initial 33 years, majority of ore sourced from open pit mines
  - ▶ 130K tpd operation over years 2 to 35, ramping down to 95K tpd for next 10 years and 60K tpd for remaining life
  - ▶ Conventional flotation and gold extraction mill producing clean gold-silver-copper concentrate
- ▶ Designed to align with regulatory approvals for project construction and operation included in federal and provincial Environmental Assessments
- ▶ In 2020, independent consultants conducted an extensive data verification exercise on the 2016 PFS
- ▶ Determined that there are no material changes in the outcomes of the 2016 PFS

**2016 PFS excludes the delineated inferred mineral resources at Deep Kerr and Iron Cap Lower Zone as well as the East Mitchell deposit acquired in 2020**

	Unit	Years 1-7	LOM (53 Years)
Total Tonnes to Mill	M tonnes	323	2,199
Annual Tonnes to Mill	M tonnes	46.1	41.5
Average Grade			
Gold	g/t	0.82	0.55
Copper	%	0.24	0.21
Silver	g/t	2.8	2.6
Molybdenum	ppm	48	43
Average Annual Production			
Gold	000 oz	933	540
Copper	M lbs	205	156
Silver	M oz	2.6	2.2
Molybdenum	M lbs	1.6	1.2
	Unit	Base	Recent Spot
Metal Prices			
Gold	US\$/oz	\$1,230	\$1,850
Copper	US\$/lb	\$2.75	\$4.50
Silver	US\$/oz	\$17.75	\$27.50
Molybdenum	US\$/lb	\$8.49	10.00
US\$:C\$ Exchange Rate		0.80	0.82
Cash Op Costs (net of by-products)	US\$/oz Au	\$277	-\$219
All-In Total Costs (net of by-products)	US\$/oz Au	\$673	\$160
Initial Capital Costs	US\$B	\$5.0	\$5.1
After Tax Cash Flow	US\$B	\$10.0	\$30.9
After-Tax NPV <sub>5%</sub>	US\$B	\$1.5	\$8.1
After-Tax IRR	%	8.0	17.4
Payback Period	years	6.8	3.4

## DEEP KERR AND LOWER IRON CAP: GAME CHANGING DEPOSITS

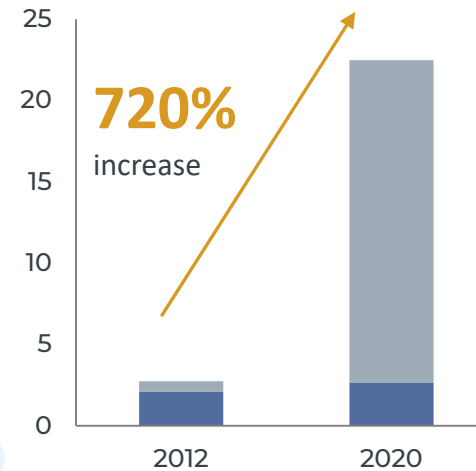
- ▶ Since discovering Deep Kerr in 2013, Seabridge has added ~43M oz Au and 29.5B lbs Cu of inferred resources
- ▶ Deep Kerr and Iron Cap’s grades and size compare favorably with some of the world’s largest and most profitable operating copper-gold mines
- ▶ 2016 PEA demonstrated significant economic improvements from Deep Kerr higher-grade resources
- ▶ Recent studies further enhance economics with additions from Iron Cap and engineering improvements

### DEEP KERR AND IRON CAP INFERRED RESOURCES

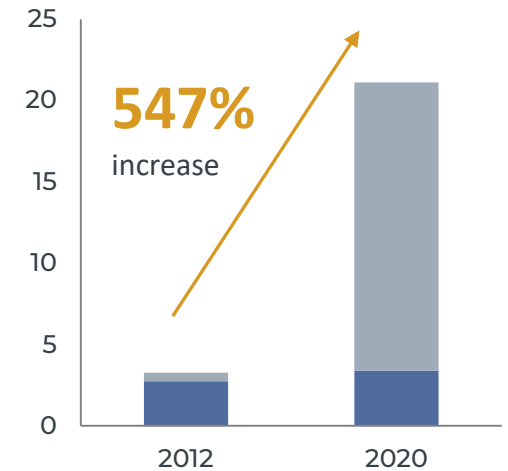
Zone	Tonnage	Grade		Contained	
	<i>M tonnes</i>	<i>g/t Au</i>	<i>% Cu</i>	<i>M oz Au</i>	<i>M lbs Cu</i>
Deep Kerr	1,921	0.31	0.41	19.1	17,359
Iron Cap	1,899	0.45	0.30	27.5	12,556
<b>Total</b>	<b>3,820</b>	<b>0.38</b>	<b>0.36</b>	<b>46.6</b>	<b>29,915</b>

### KERR NI 43-101 CONTAINED RESOURCES

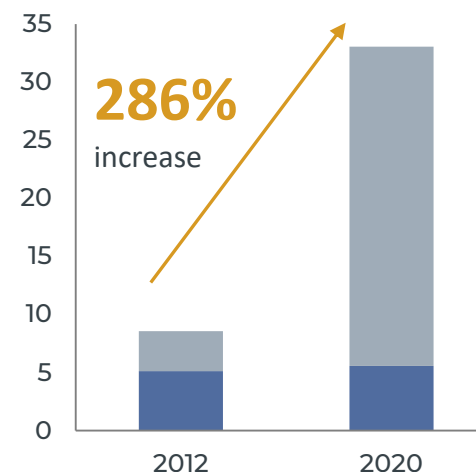
Contained Gold (M oz)



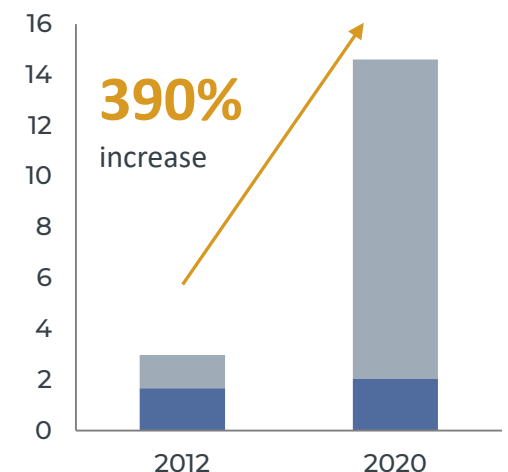
Contained Copper (B lbs)



Contained Gold (M oz)



Contained Copper (B lbs)



■ Measured & Indicated

■ Inferred

# **EAST MITCHELL** (FORMERLY SNOWFIELD)

British Columbia, Canada

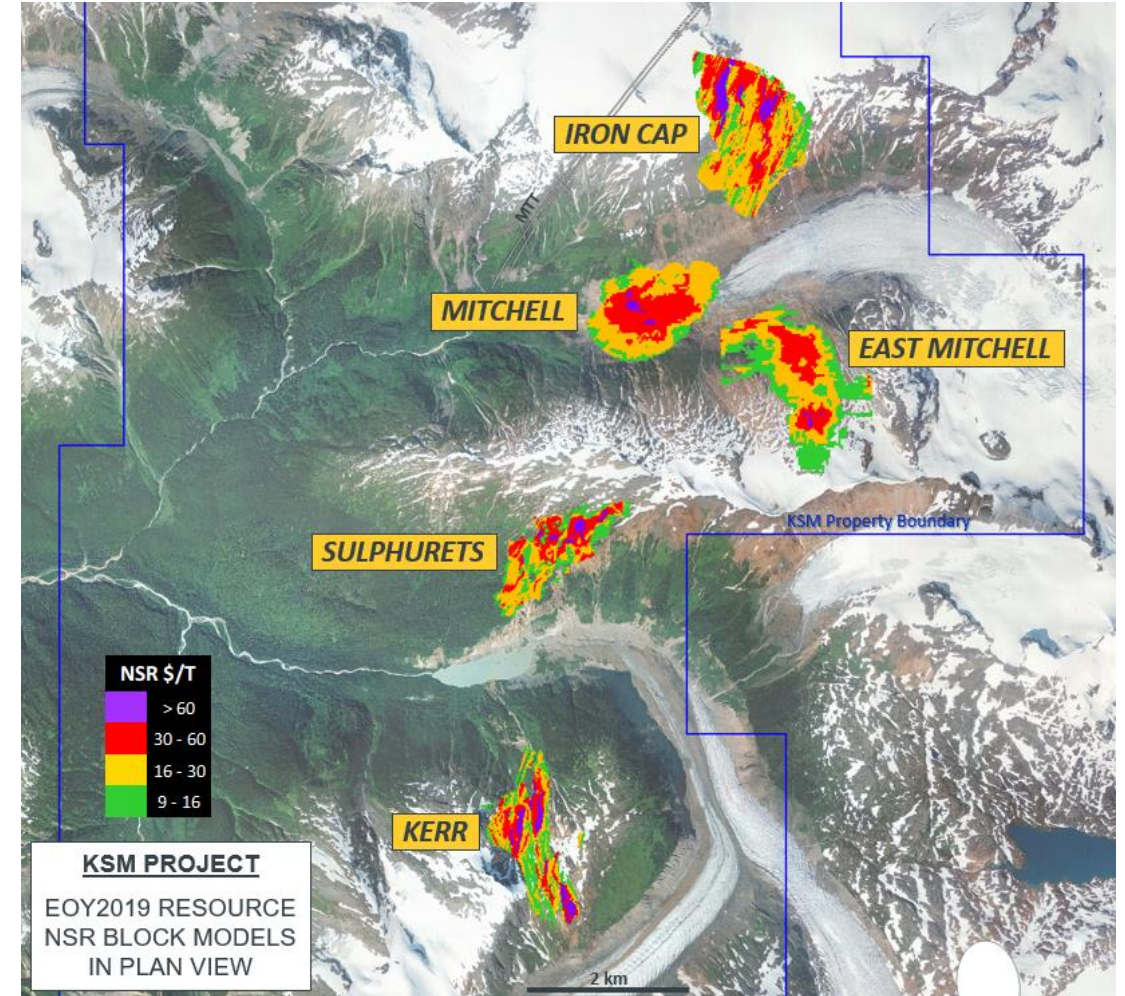


## EAST MITCHELL (SNOWFIELD)

- ▶ In December 2020, Seabridge acquired 100% of the East Mitchell (formerly Snowfield) Property from Pretivm for US\$100 million in cash plus a 1.5% NSR.
- ▶ East Mitchell deposit hosts a large gold and copper resource immediately adjacent to KSM's Mitchell deposit
- ▶ Updated KSM PFS incorporating East Mitchell expected in June 2022
- ▶ East Mitchell expected to integrate well with KSM
  - ▶ Expected to materially increase KSM's existing gold reserves
  - ▶ East Mitchell's forecast strip ratio is below 1:1
  - ▶ Metallurgical test work confirms East Mitchell deposit can be blended successfully with Mitchell ore
- ▶ Expected to enhance KSM's NPV, IRR and initial capital payback period beyond 2016 PFS estimates
- ▶ Enables new development opportunities that could substantially improve project economics
  - ▶ Likely brings higher grade gold into initial phase of mining, extending the years that KSM produces over 1M oz of gold
  - ▶ Potentially postpones capital-intensive development of Iron Cap and Deep Kerr block caves until much later in the 30+ year mine life
- ▶ Further de-risks KSM Project

**2022 PFS expected to simplify mine plan  
and improve project economics**

**Map showing the close proximity of the East Mitchell deposit to the Mitchell deposit at KSM**





# COURAGEOUS LAKE

Northwest Territories, Canada



# COURAGEOUS LAKE PROJECT (100% INTEREST)

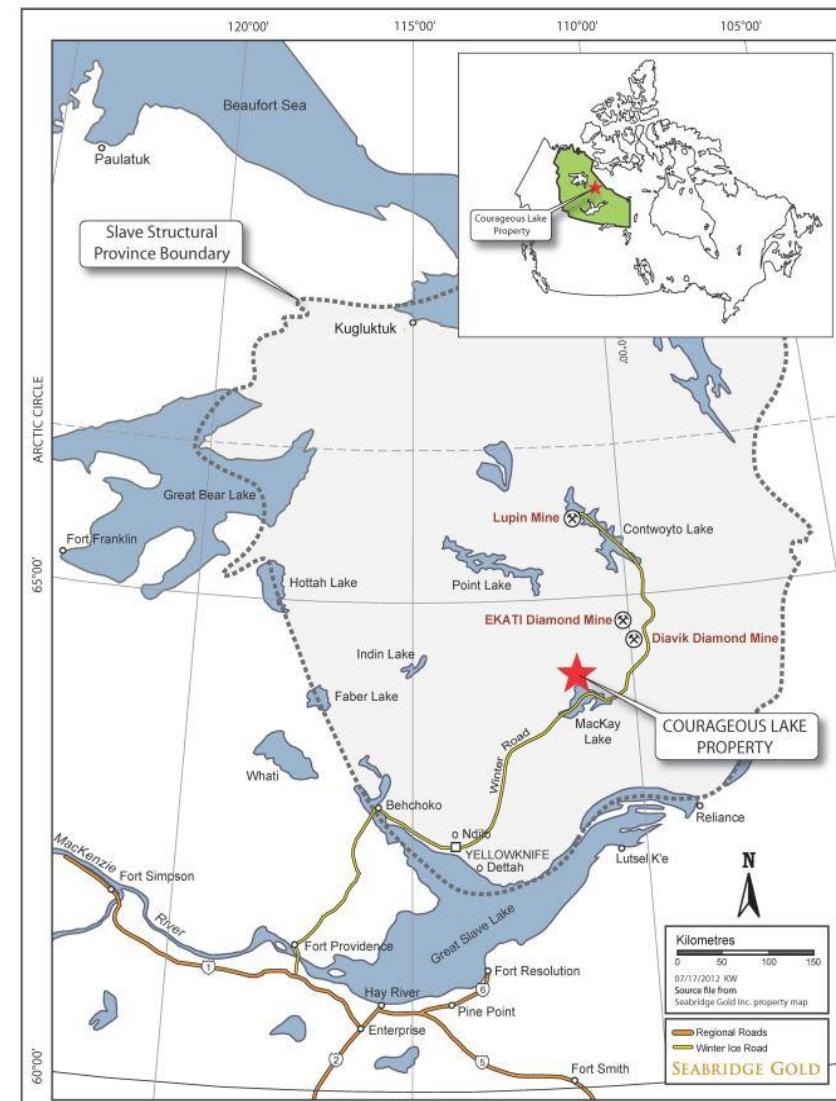
- ▶ 503 km<sup>2</sup> property located south of Courageous Lake approximately 240 km northeast of Yellowknife in the Northwest Territories
  - ▶ Lies on a historic mining district that includes two past producing gold mines
- ▶ Project located on winter ice road within 100 km of the Diavik and Ekati open pit diamond mines
  - ▶ Demonstrates feasibility of year-round open pit bulk tonnage operations
- ▶ 52 km long land position covering 85% of the Matthews Lake Greenstone Belt
- ▶ FAT is one Canada’s largest undeveloped gold deposits by reserves
- ▶ Walsh Lake is ~10 km south of the FAT deposit and demonstrates potential for discovery of new higher-grade deposits

## NI 43-101 COMPLIANT RESERVE AND RESOURCE ESTIMATES

Deposit	Cut-off Grade	Category	Tonnage	Grade	Contained
	<i>g/t Au</i>		<i>M tonnes</i>	<i>g/t Au</i>	<i>M oz Au</i>
FAT <sup>1</sup>	N/A	P&P reserves	91.0	2.20	6.50
	0.83	M&I resources	107.3	2.31	7.97
	0.83	Inferred resources	53.6	2.27	3.91
Walsh Lake	0.60	Inferred resources	4.6	3.24	0.48

Note: M&I resources are inclusive of reserves

1. Resource estimate for the FAT deposit is from a NI 43-101 compliant technical report prepared by Tetra Tech Wardrop dated September 5, 2012. A total of 589 holes (169,000 m) have been drilled on the FAT deposit by Seabridge, Placer Dome and Noranda. M&I and inferred resource estimates are undiluted. P&P reserves were estimated using a series of Lerchs-Grossman pit shell optimizations using a NSR cut-off of C\$20.50/tonne estimated from a gold price of US\$1,244/oz, strip ratio of 12.5:1 and assumes 5% dilution and 5% mine loss
2. Resource estimate for the Walsh Lake deposit was presented in a new release dated March 11, 2014 and completed under NI 43-101 standards by Resources Modelling Inc. Walsh Lake resource model is based on 53 diamond core holes (totaling 17,450 m). Resource estimate is constrained within a conceptual pit limit based on a gold price of US\$1,300/oz, recovery of 90% and pit slope of 50 degrees



## 2012 PFS DEMONSTRATES PROFITABLE MINE WITH EXCEPTIONAL LEVERAGE

- ▶ 2012 PFS for the Courageous Lake deposit is based on a single open-pit mining operation with on-site processing
- ▶ Project economics improve considerably when applying a more current gold price (US\$1,850/oz) and exchange rate (US\$0.82:C\$1.00)
- ▶ Numerous opportunities to enhance project economics
  - ▶ Access to lower-cost hydro-electric generated power, which also reduces diesel inventory and storage costs
  - ▶ PFS assumes project access by winter road, which would be available 3 months per year. Year-round road access could substantially reduce OPEX, CAPEX and working capital requirements
  - ▶ Recently completed internal studies confirm the potential for a smaller, less capital intensive and more economic robust starter project.
- ▶ Evaluating best path forward to unlock value for shareholders including potential sale or joint venture

### HIGHLIGHTS OF THE 2012 PFS

	Unit	Base	Recent Spot	Change
Gold Price	US\$/oz	\$1,384	\$1,850	
Exchange Rate	US\$:C\$	0.98	0.82	
Mine Life	years	15	15	
LOM Ore	M tonnes	91.1	91.1	
LOM Average Grade	g/t Au	2.20	2.20	
Throughput Rate	tpd	17,500	17,500	
LOM Average Strip Ratio	waste:ore	12.5:1	12.5:1	
Recovery Rate	%	89.4	89.4	
Average Annual Production	000 oz Au	385	385	
<b>Cash Costs</b>				
Years 1-5	US\$/oz Au	\$674	\$579	<b>-14%</b>
LOM	US\$/oz Au	\$780	\$668	<b>-14%</b>
All-in Costs	US\$/oz Au	\$1,123	\$953	<b>-15%</b>
Initial Capex	US\$M	\$1,522	\$1,273	<b>-16%</b>
Pre-Tax Cash Flow	US\$M	\$1,507	\$5,170	<b>+243%</b>
Pre-Tax NPV <sub>5%</sub>	US\$M	\$303	\$2,564	<b>+746%</b>
Pre-Tax IRR	%	7.3	24.2	<b>+232%</b>
Payback Period	years	11.2	3.3	<b>-71%</b>

# ISKUT PROJECT

British Columbia, Canada

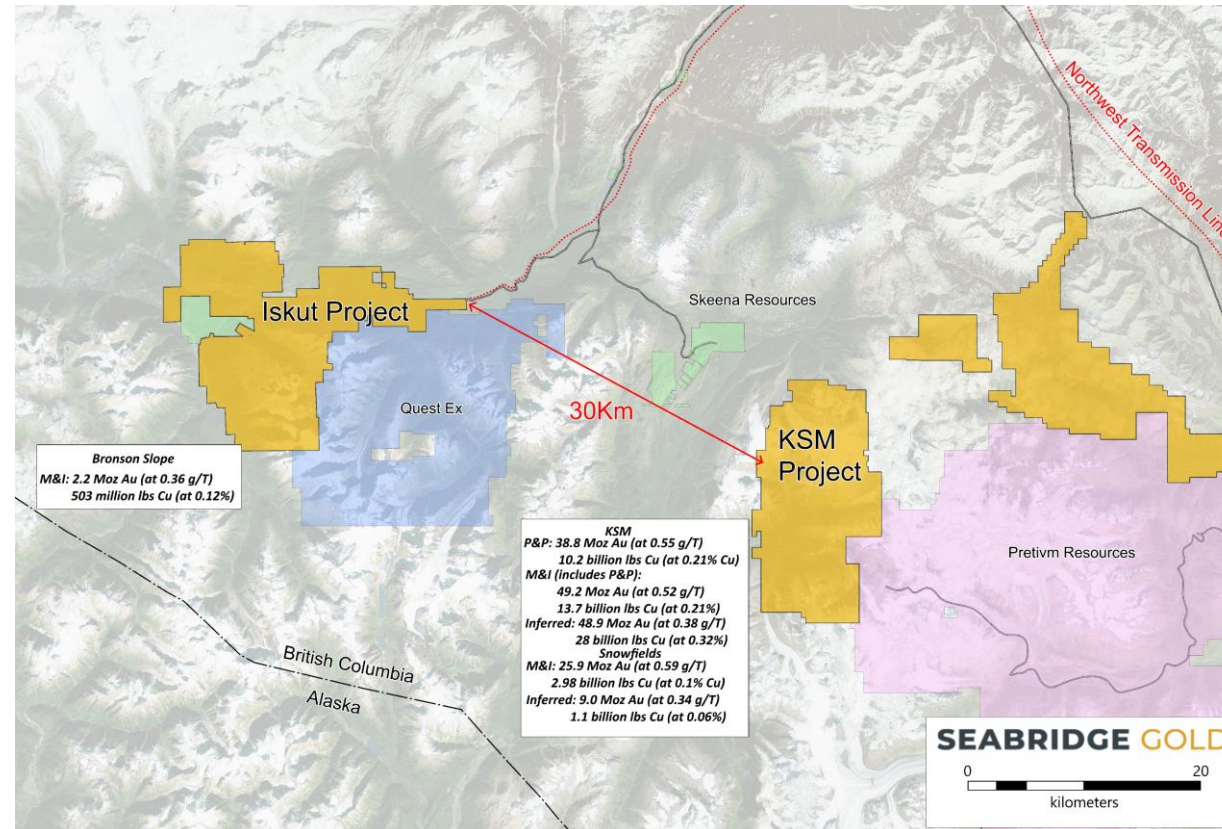


# ISKUT PROJECT (100% INTEREST)

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- ▶ Only 20 km by air from the KSM Project
- ▶ Includes the former high-grade Johnny Mountain gold mine and the Bronson Slope Cu-Au deposit
  - ▶ Johnny Mountain produced 90.5K oz Au, 19.8K oz Ag and 2.2M lbs Cu at 11.3 g/t Au, 2.5 g/t Ag and 0.40% Cu
- ▶ Since acquiring in June 2016, three years of exploration has identified a large intrusive system likely responsible for the Quartz Rise lithocap
  - ▶ Geophysical footprint extend to depth of at least 800 m
  - ▶ Previous exploration focused only on high-grade epithermal zones

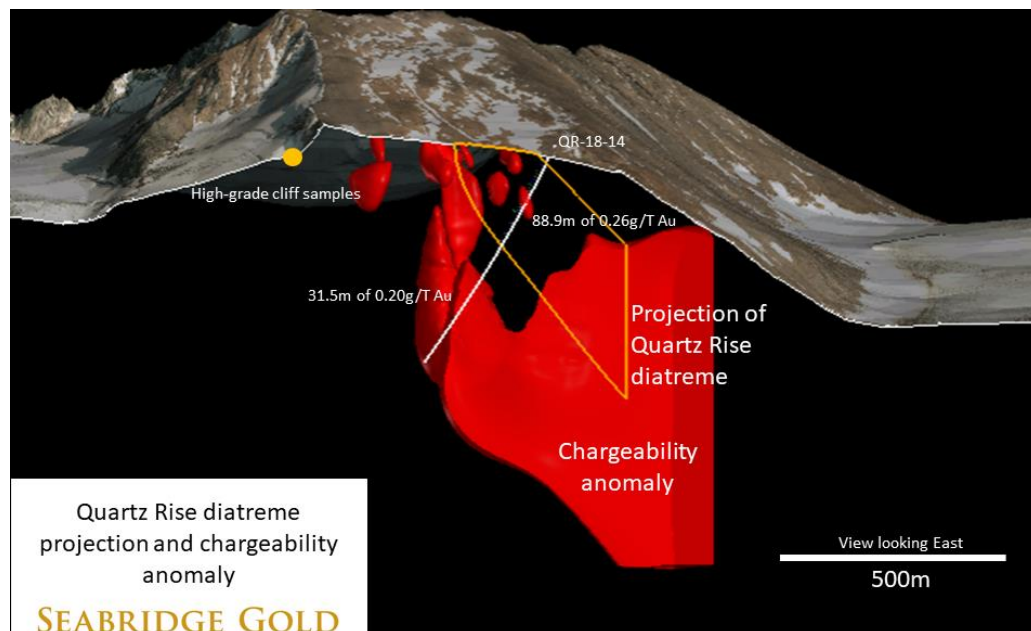
## BRONSON SLOPE PIT CONSTRAINED NI 43-101 RESOURCE ESTIMATE

Category	Tonnage		Grade		Contained		
	M tonnes	g/t Au	% Cu	g/t Ag	M oz Au	M lbs Cu	M oz Ag
M&I	186.9	0.360	0.122	2.192	2.163	502.66	13.20
Inferred	4.9	0.321	0.074	2.187	8.1	0.05	0.35



## EXPLORING FOR GOLD-COPPER PORPHYRY SIMILAR TO DEEP KERR AT ISKUT

- ▶ In 2020 completed a 9,000 m drill program to test the large intrusion system identified in the 2019 program
  - ▶ followed rigorous procedures to minimize risks of COVID-19
- ▶ Drilled across 750 m of strike and 800 m of vertical projection on coincident magnetic and IP anomalies below and west of the well-developed lithocap
- ▶ Similar magnetic and resistivity anomalies that led to the discovery of the Deep Kerr zone
- ▶ 2020 drill program provided further evidence for a large gold-copper porphyry system which may lie below drilling completed to date
- ▶ 2020 drilling encountered 32 meters at 0.62% copper and 158 meters at 0.16 g/T gold and 0.16% copper in zones believed to be outer portions of gold-copper porphyry
- ▶ Follow-up drill program planned for 2022
- ▶ Undertaking environmental work to ensure compliance and remediation programs to mitigate impact of historical mining activity
- ▶ Ongoing engagement with the Tahltan First Nation and B.C. regulatory officials



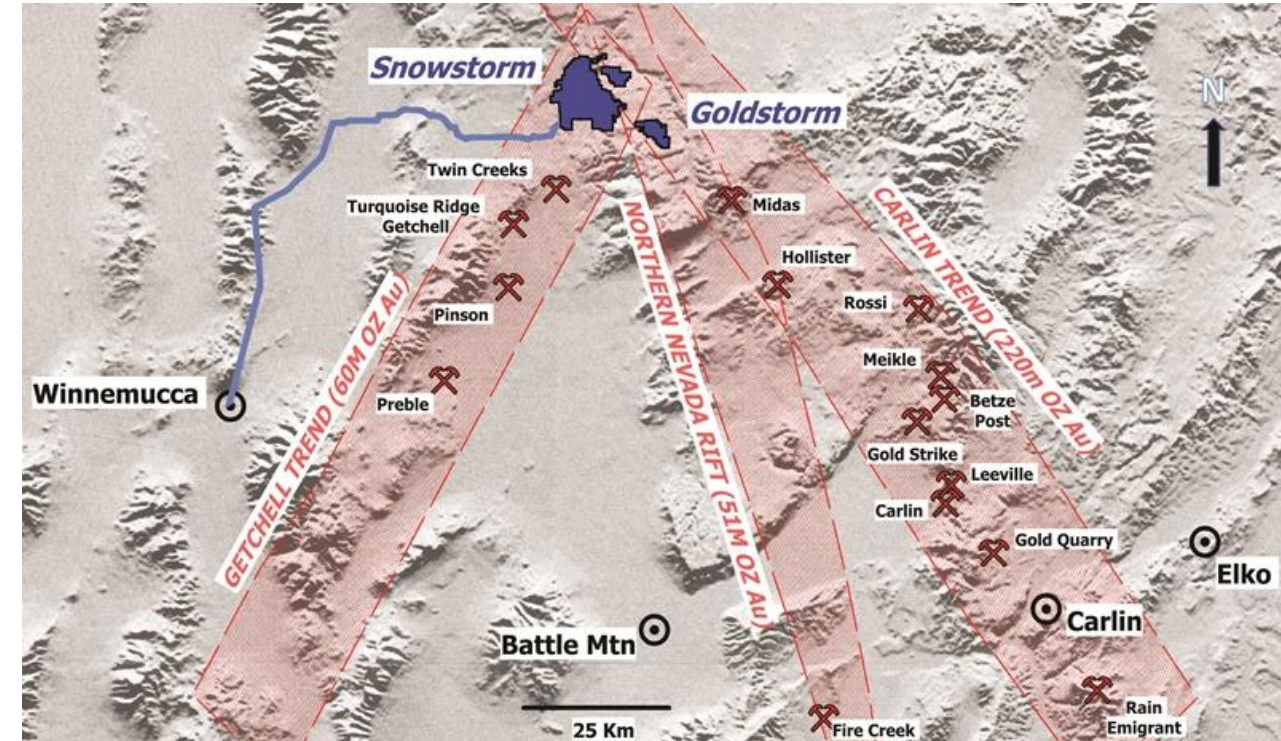
# SNOWSTORM PROJECT

Nevada, USA



## SNOWSTORM PROJECT (100% INTEREST)

- ▶ 102.8 km<sup>2</sup> property located in the northern Snowstorm Mountains in Humboldt and Elko counties, Nevada
  - ▶ Located in an established gold mining region with access to key regional infrastructure
- ▶ Sits on the intersection of three major Nevada gold belts where over 300M oz of gold has been discovered
  - ▶ Getchell, Carlin and the Northern Nevada Rift Zone
- ▶ Contiguous and on strike with several large producing gold mines
  - ▶ 6 km north of Nevada Gold Mine's (Barrick and Newmont JV) Twin Creeks mine and 15 km northwest of the Turquoise Ridge mine (combined 19.8M oz Au of resources and 25.8M oz of production through end of 2019)
- ▶ Geologic, geochem and geophysical data documents hydrothermal alteration zones and structural settings consistent with large Nevada gold deposits
  - ▶ During 2019 drill program, Seabridge encountered the same Ordovician carbonate stratigraphy that is characteristic of Getchell-style deposits
  - ▶ 2020 drill program confirmed the presence of gold in the system
  - ▶ 2021 drill program ongoing to be completed in Q1 2022



**Large, early-stage property with potential for a major gold discovery**



# ALL THE RIGHT INGREDIENTS FOR A MAJOR DISCOVERY AT SNOWSTORM

- ▶ Best place to look for new deposits is in close proximity to existing mines
- ▶ 2021 program focuses on Twin Creeks and Turquoise Ridge type targets
- ▶ Challenging exploration (targets are deep under cover) with major discovery potential (patience is required)
- ▶ Seabridge's exploration team is well suited to explore this exciting project
  - ▶ Worked at Placer Dome during the initial drilling at Turquoise Hill



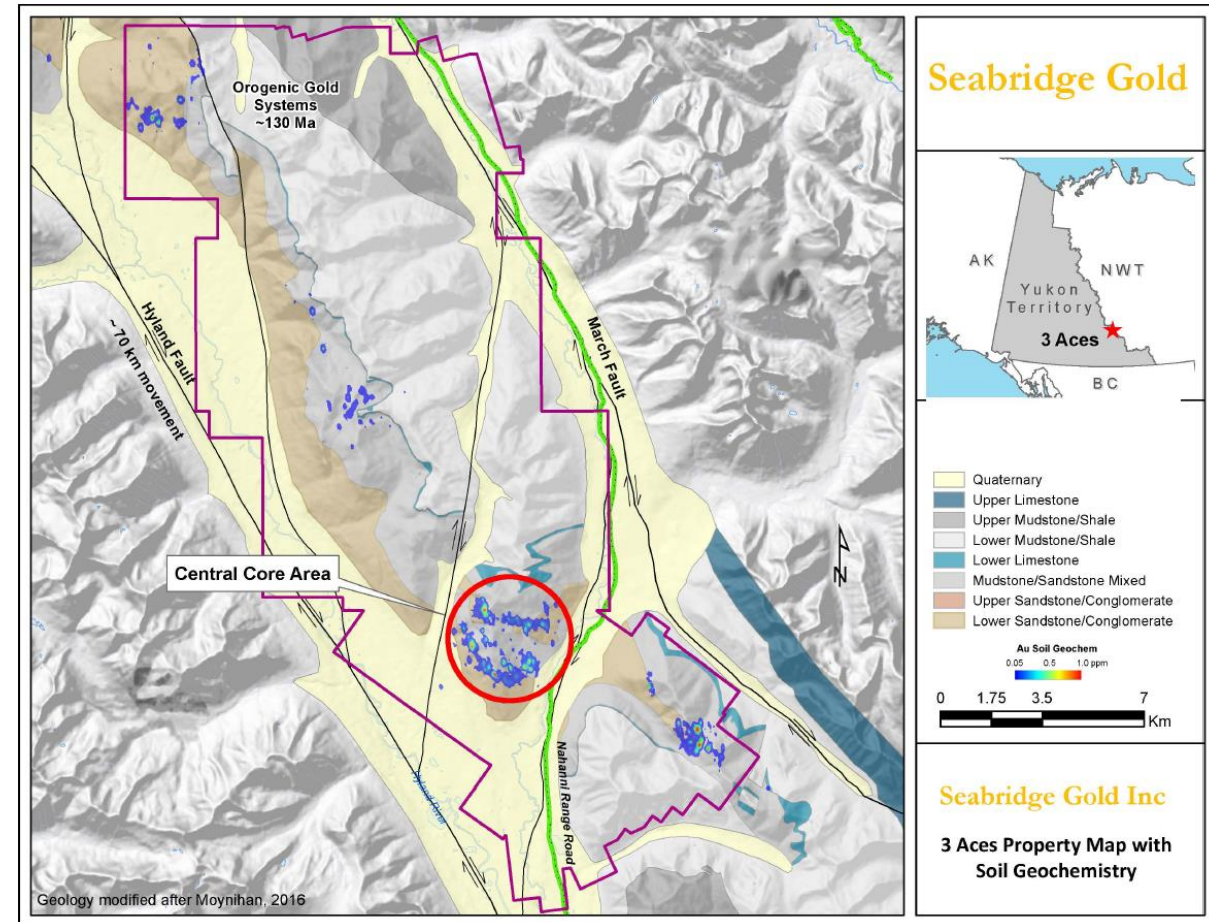


# 3 ACES PROJECT

Yukon Territory, Canada

## 3 ACES PROJECT (100% INTEREST)

- ▶ In May 2020, Seabridge acquired 100% of the 3 Aces Project in the Yukon from Golden Predator Mining
  - ▶ Upfront payment of 300K shares and a 0.5% NSR royalty
  - ▶ Conditional future cash payments of C\$1.0M on discovery of 2.5M oz Au, plus a further C\$1.25M on finding an additional 2.5M oz Au
- ▶ 314 km<sup>2</sup> property located in southwestern Yukon Territory with year-round access
  - ▶ Accessible by road through Yukon Highway 10
  - ▶ Includes 25-person exploration camp
- ▶ District-scale, orogenic gold project with many sizable, near surface, high-grade gold zones identified
- ▶ High-grade gold showings over entire 35 km strike length of property
- ▶ Building working relationship with First Nations
- ▶ Geophysics and surface mapping/sampling program completed in 2021
- ▶ Applied for new Class 4 Permit
- ▶ Subject to permit receipt, large drill program planned for 2022



**Rare combination of high-grades plus district-scale**

## POTENTIAL HIGH-GRADE, BULK-MINEABLE GOLD DEPOSIT AT 3 ACES

- ▶ Geological setting similar to some of the world's largest and richest gold deposits
  - ▶ Located on the eastern margin of the Selwyn Basin (host to several enormous base metal deposits)
  - ▶ Polyphase fold and fault systems overprint the stratigraphy, creating ideal traps for gold-bearing fluids in quartz veins
- ▶ 300 holes drilled in the Central Core Area, with 37% intersecting +5 g/t Au and 27% with +8 g/t Au
- ▶ Halo of lower grade zones exists outside of high-grade gold zones
- ▶ Bulk sampling programs recovered 86% to 95% of gold in gravity circuit
- ▶ Subject to permit receipt, currently planning an aggressive drill program for 2022

Hole ID	DH Type	From (m)	To (m)	Intercept (m)	Gold (g/t)
<i>Spades High-Grade Zone</i>					
3A16-032	RC	16.76	27.43	10.67	32.86
3A16-042	RC	17.53	24.38	6.85	25.61
3A16-044	RC	17.53	35.05	17.52	3.65
3A17-100	RC	19.05	25.91	6.86	20.15
3A17-124	RC	6.10	10.67	4.57	58.75
3A17-132	DD	20.00	33.30	13.30	6.69
3A17-127	RC	12.95	19.05	6.10	22.30
3A17-133	DD	23.80	40.00	16.80	20.50
and	DD	57.50	65.00	7.50	13.92
3A17-138	DD	7.50	15.50	8.00	50.40
3A17-157	DD	19.00	23.20	4.20	20.04
3A17-208	RC	0.76	5.33	4.57	81.35
3A17-209	RC	2.29	23.62	21.33	18.33
3A17-211	RC	1.52	9.91	8.39	14.05
3A17-218	RC	5.33	18.29	12.96	14.19
3A17-220	RC	1.52	15.24	13.72	43.02
3A17-224	RC	1.52	11.43	9.91	21.81
3A17-238	RC	0.76	9.91	9.15	41.03
<i>Hearts Zone</i>					
3A16-048	RC	96.01	104.49	8.38	6.39
3A16-054	RC	38.86	58.67	19.81	4.76
3A16-055	RC	51.05	60.20	9.15	9.37
3A16-082	DD	42.67	60.96	18.29	16.75
3A16-084	DD	103.98	115.82	11.84	1.72
3A16-085	RC	86.87	96.01	9.14	8.65
3A17-203	RC	10.67	30.48	19.81	3.32
<i>Other occurrences</i>					
3A17-143	DD	12.70	32.00	19.30	16.15
3A17-144	RC	5.33	52.58	47.25	1.11
3A17-147	DD	13.00	15.50	2.50	15.51
and	DD	18.50	22.00	3.50	21.44
3A17-275	RC	40.39	48.77	8.38	5.24
3A18-335	DD	16.20	33.06	16.86	1.35
3A17-175	RC	32.00	33.53	1.53	36.33

## WHY INVEST IN SEABRIDGE

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**UNPARALLELED LEVERAGE IN EMERGING GOLD AND COPPER BULL MARKETS**



**OWNERSHIP OF THE LARGEST UNDEVELOPED GOLD/COPPER PROJECT IN THE WORLD**



**UPSIDE FROM LARGE NORTH AMERICAN EXPLORATION PROJECT PORTFOLIO**



**ADDITION OF SNOWFIELD EXPECTED TO SIGNIFICANTLY IMPROVE KSM ECONOMICS**



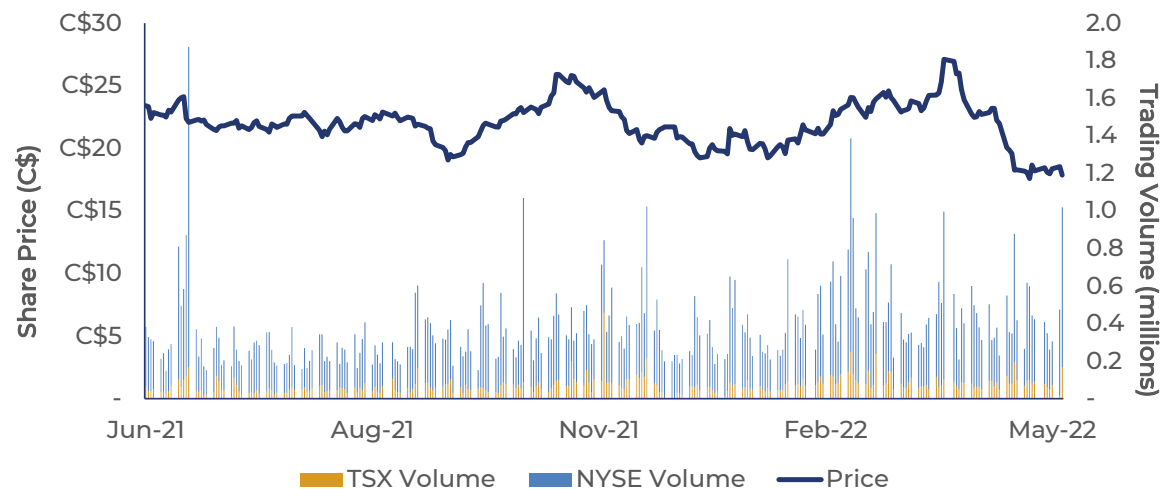
**KSM JV AGREEMENT WITH MAJOR MINING COMPANY EXPECTED TO UNLOCK VALUE**



**EXCELLENT RECORD OF CREATING SHAREHOLDER VALUE WITH MINIMAL SHARE DILUTION**

## CAPITAL MARKETS PROFILE

### SHARE PRICE AND VOLUME (LAST 12 MONTHS)



### TOP SHAREHOLDERS

Management, Board & Insiders	>30%
Van Eck Associates	4.7%
Kopernik Global Investors	3.6%
Sprott Asset Management	3.0%
Paulson & Co.	2.6%
Russell Investment Management	1.6%
Jupiter Asset Management	1.5%
Fidelity Management & Research	1.3%

1. Includes ~881K Options and RSUs

2. Balance of cash and short-term deposits (including 2022 March royalty note) as of May 31, 2022

3. Marketable securities include common shares of several mining companies that were received as consideration for optioned mineral properties, other short-term investments and ~7.84% of Paramount Gold Nevada Corp.

### CAPITAL STRUCTURE

Tickers	TSX:SEA   NYSE:SA
Indices	GDXJ, S&P/TSX Composite, Global Mining and Global Gold
Share Price (May 31, 2022)	C\$17.86 (US\$14.11)
52-Week Trading Range	C\$17.49 – C\$28.00
Basic Shares Outstanding	80.2M
FD Shares Outstanding	81.0M <sup>1</sup>
Market Capitalization	C\$1.46B
Cash and Short-Term Deposits	~C\$300M <sup>2</sup>
Marketable Securities	C\$3M <sup>3</sup>
Debt	Nil

### RESEARCH COVERAGE

Company	Research Analyst
B Riley	Lucas Pipes
Cantor Fitzgerald	Mike Kozak
Gold Stock Analyst	John Doody
Red Cloud	David Talbot
Roth Capital	Joe Reagor
Singular	Jim Marrone

# SEABRIDGE GOLD


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