

High Grade, Safe Jurisdiction and Solid Partners

Copper-Zinc-Lead-Gold-Silver and now...
Cobalt

Precious Metals Summit September 2019

Forward Looking Statements



This presentation release includes certain "forward-looking information" and "forward-looking statements" (collectively "forward-looking statements") within the meaning of applicable Canadian and United States securities legislation including the United States Private Securities Litigation Reform Act of 1995. All statements, other than statements of historical fact, included herein, including, without limitation, the future price of copper, the estimation of mineral reserves and mineral resources, the realization of mineral reserve and mineral resource estimates, the timing and amount of estimated future production, costs of production, capital expenditures, costs and timing of the development of projects, the likelihood and timing of the AMDIAP, the potential future development of Bornite, the future operating or financial performance of the Company, planned expenditures and the anticipated activity at the UKMP Projects, are forward-looking statements. Forward-looking statements are frequently, but not always, identified by words such as "expects", "anticipates", "believes", "intends", "estimates", "potential", "possible", and similar expressions, or statements that events, conditions, or results "will", "may", "could", or "should" occur or be achieved. These forward-looking statements may include statements regarding perceived merit of properties; exploration plans and budgets; mineral reserves and resource estimates; work programs; capital expenditures; timelines; strategic plans; market prices for precious and base metals; or other statements that are not statements of fact. Forward-looking statements involve various risks and uncertainties. There can be no assurance that such statements will prove to be accurate, and actual results and future events could differ materially from those anticipated in such statements. Important factors that could cause actual results to differ materially from the Company's expectations include the uncertainties involving success of exploration, development and mining activities, permitting timelines, requirements for additional capital, government regulation of mining operations, environmental risks, unanticipated reclamation expenses; mineral reserve and resource estimates and the assumptions upon which they are based; assumptions and discount rates being appropriately applied to the PFS; our assumptions with respect to the likelihood and timing of the AMDIAP; capital estimates; prices for energy inputs, labour, materials, supplies and services the interpretation of drill results, the need for additional financing to explore and develop properties and availability of financing in the debt and capital markets; uncertainties involved in the interpretation of drilling results and geological tests and the estimation of reserves and resources; the need for cooperation of government agencies and native groups in the development and operation of properties as well as the construction of the access road; the need to obtain permits and governmental approvals; risks of construction and mining projects such as accidents, equipment breakdowns, bad weather, non-compliance with environmental and permit requirements, unanticipated variation in geological structures, metal grades or recovery rates; unexpected cost increases, which could include significant increases in estimated capital and operating costs; fluctuations in metal prices and currency exchange rates; and other risks and uncertainties disclosed in the Company's Annual Report on Form 10-K for the year ended November 30, 2017 filed with Canadian securities regulatory authorities and with the United States Securities and Exchange Commission and in other Company reports and documents filed with applicable securities regulatory authorities from time to time. The Company's forward-looking statements reflect the beliefs, opinions and projections on the date the statements are made. The Company assumes no obligation to update the forward-looking statements or beliefs, opinions, projections, or other factors, should they change, except as required by law.

Forward Looking Statements



Non-GAAP Performance Measures

Some of the financial measures referenced in this press release are non-GAAP performance measures. We have not reconciled forward-looking full year non-GAAP performance measures contained in this news release to their most directly comparable GAAP measures, as permitted by Item 10(e)(1)(i)(B) of Regulation S-K. Such reconciliations would require unreasonable efforts at this time to estimate and quantify with a reasonable degree of certainty various necessary GAAP components, including for example those related to future production costs, realized sales prices and the timing of such sales, timing and amounts of capital expenditures, metal recoveries, and corporate general and administrative amounts and timing, or others that may arise during the year. These components and other factors could materially impact the amount of the future directly comparable GAAP measures, which may differ significantly from their non-GAAP counterparts.

Cautionary Note to United States Investors

This press release has been prepared in accordance with the requirements of the securities laws in effect in Canada, which differ from the requirements of U.S. securities laws. Unless otherwise indicated, all resource and reserve estimates included in this press release have been prepared in accordance with Canadian National Instrument 43-101 Standards of Disclosure for Mineral Projects ("NI 43-101") and the Canadian Institute of Mining, Metallurgy and Petroleum (CIM)—CIM Definition Standards on Mineral Resources and Mineral Reserves, adopted by the CIM Council, as amended ("CIM Definition Standards"). NI 43-101 is a rule developed by the Canadian Securities Administrators which establishes standards for all public disclosure an issuer makes of scientific and technical information concerning mineral projects. Canadian standards, including NI 43-101, differ significantly from the requirements of the United States Securities and Exchange Commission (SEC), and resource and reserve information contained herein may not be comparable to similar information disclosed by U.S. companies. In particular, and without limiting the generality of the foregoing, the term "resource" does not equate to the term "reserves". Under U.S. standards, mineralization may not be classified as a "reserve" unless the determination has been made that the mineralization could be economically and legally produced or extracted at the time the reserve determination is made. The SEC's disclosure standards normally do not permit the inclusion of information concerning "measured mineral resources", "indicated mineral resources" or "inferred mineral resources" or other descriptions of the amount of mineralization in mineral deposits that do not constitute "reserves" by U.S. standards in documents filed with the SEC. Investors are cautioned not to assume that all or any part of "measured" or "indicated resources" will ever be converted into "reserves". Investors should also understand that "inferred mineral resources" have a great amount of uncertainty as to their existence and great uncertainty as to their economic and legal feasibility. Under Canadian rules, estimated "inferred mineral resources" may not form the basis of feasibility or pre-feasibility studies except in rare cases. Disclosure of "contained ounces" in a resource is permitted disclosure under Canadian regulations; however, the SEC normally only permits issuers to report mineralization that does not constitute "reserves" by SEC standards as in-place tonnage and grade without reference to unit measures. The requirements of NI 43-101 for identification of "reserves" are also not the same as those of the SEC, and reserves reported by Trilogy Metals in compliance with NI 43-101 may not qualify as "reserves" under SEC standards. Arctic does not have known reserves, as defined under SEC Industry Guide 7. Accordingly, information concerning mineral deposits set forth herein may not be comparable with information made public by companies that report in accordance with U.S.

Trust | Respect | Integrity standards.

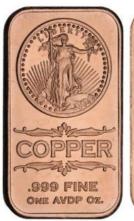
Trilogy's Ambler Mining District



8 Billion Pounds of Copper, 3 Billion Pounds of Zinc and over 1 Million Ounces of Gold Equivalent Precious Metals

And now over 77 Million Pounds of Cobalt......and Growing

- High-Grade Copper with Significant Cobalt, Zinc and Precious Metals - 100% Owned
- Located in Alaska: a Safe, Rule of Law Jurisdiction
- Ambler Mining District Significant Exploration Upside
- Focused on Two Projects: Upper Kobuk Mineral Projects (UKMP)
 - Arctic at PFS Completed; Permitting & FS Underway Arctic Pre-Feasibility Highlights
 - 43 Mmt Open Pit Reserve Grading 5% Copper Equivalent
 - 2.3% Copper; 3.2% Zinc; 0.59% Lead; 0.49 g/t Gold and 36 g/t Silver
 - → Post Tax \$1.4 Billion NPV and 33% IRR
 - 2) Bornite Exploration > 6 Billion lbs Copper and 77 Million lbs of Cobalt





Corporate Highlights - Partnerships



Advancing the Ambler Mining District in Alaska by Forming Strong Partnerships

- Three Partnerships
 - ✓ Local Native Partnership with NANA Business Relationship with strong community relationships
 - ✓ Infrastructure Partnership with State of Alaska AIDEA currently permitting to build road access
 - √Financial Partnership with South32

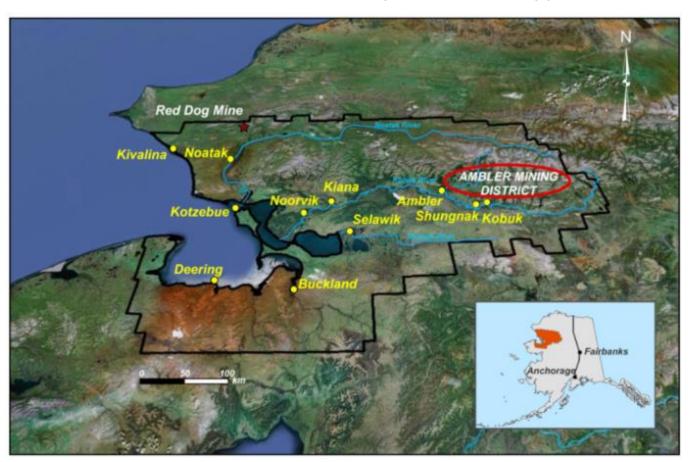




Ambler Mining District - Alaska



Safe Jurisdiction – Mining District Hosts Deposits Rich in Copper, Zinc, Lead, Gold, Silver & Cobalt



- Politically Stable
- Rule of Law
- Recognized Mineral Potential
- Resource Extractive Industries are the Largest Contributors to Alaska's Economy
- Well Established Permitting Process
- Supportive Borough Gov't – tax base for region
- NANA Agreement
- > NANA Alaskan Regional Native Corporation with 14,000 Iñupiat shareholders
- Land owner and Joint partner with Teck on Red Dog
- Red Dog is the largest Zinc mine in the world operating for nearly 30 years
- Good jobs and Local taxes from Red Dog supports NW Arctic Borough Government and School District







Infrastructure Partnership - AIDEA



Advancing the Ambler Mining District in Alaska by Forming Strong Partnerships

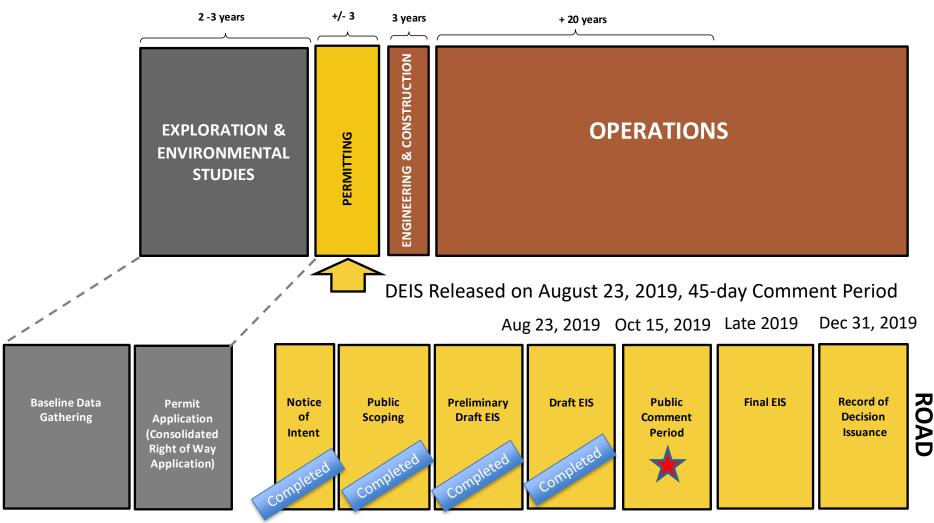


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NEPA Road Permitting Process (EIS)



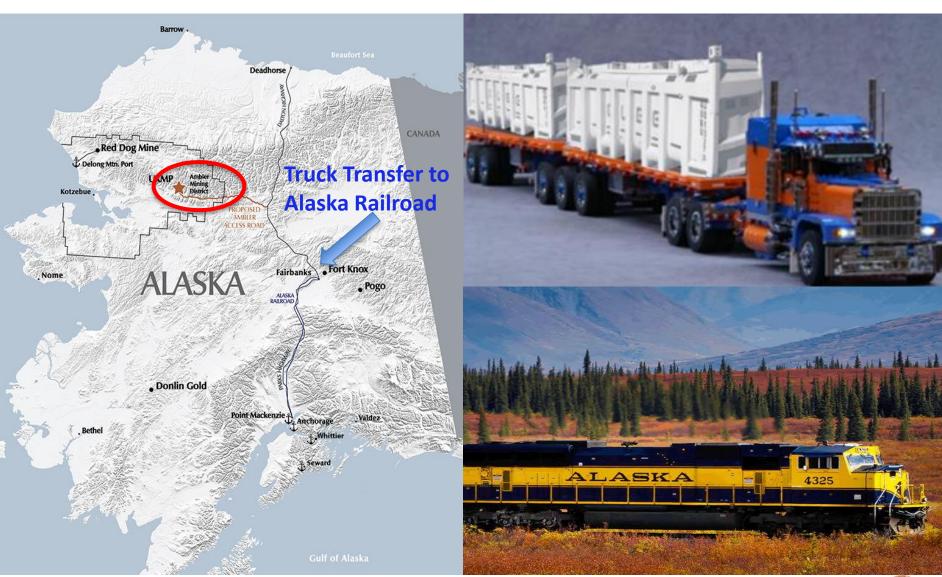


Bureau of Land Management is the Lead Agency for Road Permitting AIDEA is the proponent Trust | Respect | Integrity



Truck Transportation Plan





Business Partnership – South 32



Advancing the Ambler Mining District in Alaska by Forming Strong Partnerships

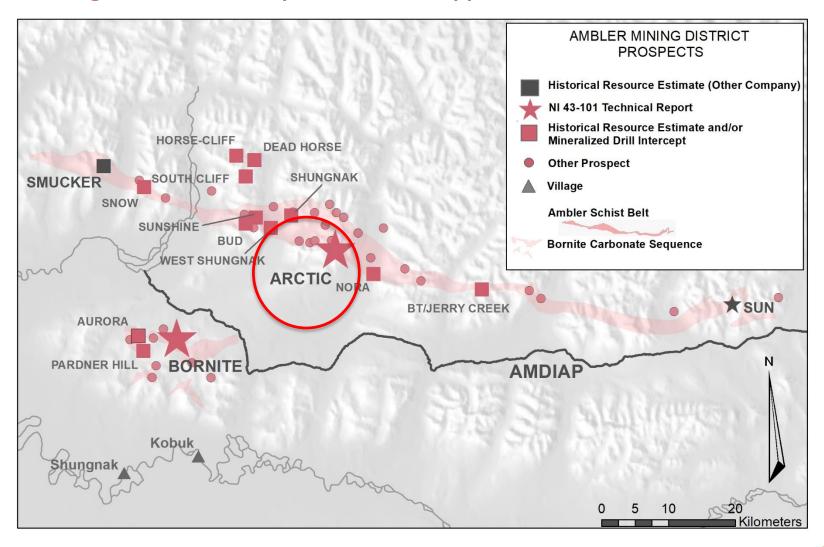
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High-Grade String of Pearls



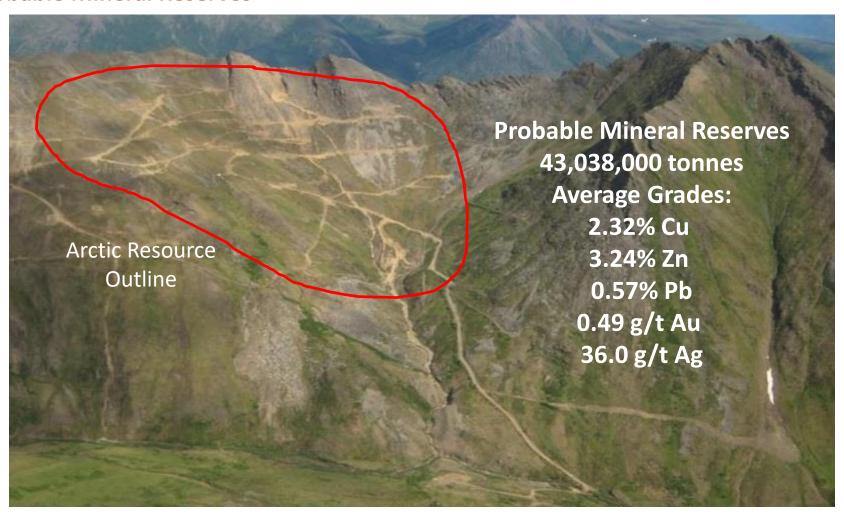
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Reserves at the Arctic Project



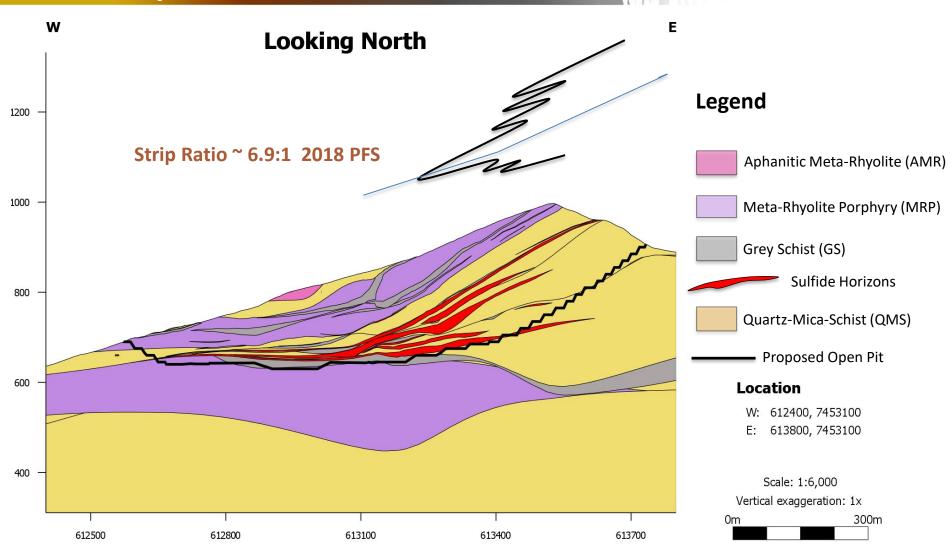
Probable Mineral Reserves



Additional Inferred Resources of 3.5 Mt, with average grades of 1.71% Cu, 2.72% Zn, 0.60% Pb, 0.36 g/t Au and 28.69 g/t Ag. See Appendix for Reserve Estimate for the Arctic Project.

Arctic Deposit: Cross Section





Arctic PFS – Inputs & Economic Results



Pre-Feasibility Inputs and Economic Results	
Mine Life	12 Years
Mill Capacity	10,000 tpd
Strip Ratio (Waste/Ore)	6.9:1
Average Annual Production	159M lbs Cu
	199M lbs Zn
	33M lbs Pb
	3.3M oz Ag
	30,600 oz Au
Base Case Metal Prices	\$3.00/lb Cu
	\$1.10/lb Zn
	\$1.00/lb Pb
	\$18.00/oz Ag
	\$1,300/oz Au
Initial Capital Cost (\$ million)	\$779.6
Total Capital Cost (\$ million)	\$910.8
Operating Cost (\$/tonne milled)	\$46.81
Pre-Tax NPV (\$ million) at 8%	\$1,935.2
After-Tax NPV (\$ million) at 8%	\$1,412.7
Cash Costs, Net of By-Product Credits (\$/lb Cu Payable)	\$0.15
All-in Cost (\$/lb of Cu Payable)	\$0.63
Annual Free Cash Flow at Today's Metal Prices (\$ million)	~\$450
Capital Intensity Ratio (\$ Initial Capital/Tonne of Copper Equivalent)	\$6,203
After-Tax IRR (%) / Pre-Tax IRR	33.0/38.0
Payback Period - After-Tax (Years)	2.0







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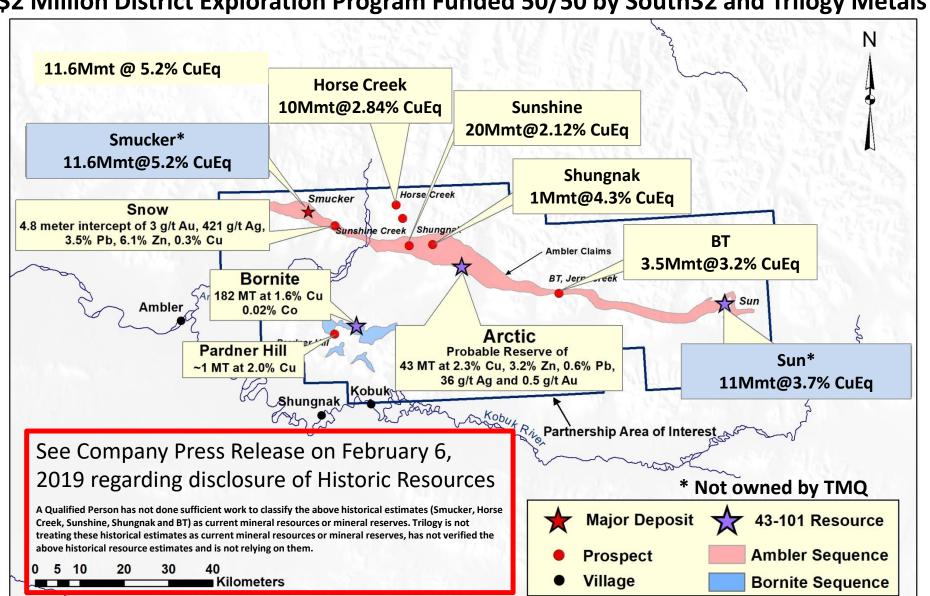




District Exploration – Pearls on a String



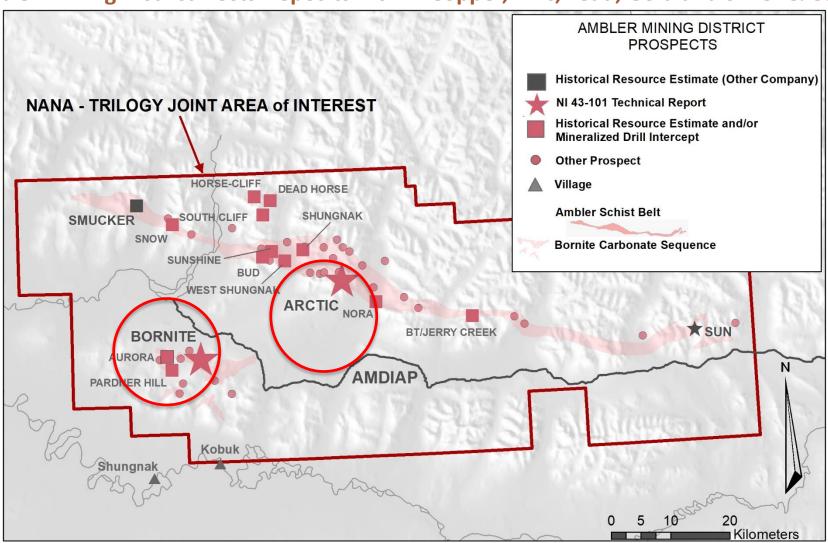
\$2 Million District Exploration Program Funded 50/50 by South32 and Trilogy Metals



District Exploration Upside



Ambler Mining District Hosts Deposits Rich in Copper, Zinc, Lead, Gold and Silver & Cobalt



Camp at Bornite





Bornite – Testing Northern Extension



US\$20 million expended by South32 during 2017 & 2018 **Drilling Programs**

6 Billion Pounds of Copper 77 Million Pounds of Cobalt

25 drill holes to in-fill and expand current resources

Below-Pit Mineral Resources 57.8 Mt of 2.89% Cu Inferred **In-Pit Mineral Resources Proposed Pit Exploration Upside** 40.5 Mt of 1.02% Cu Indicated **Drill Holes** 84.1 Mt of 0.95% Cu Inferred Indicated & Inferred Open Pit Resource Final US\$9.2 million funded for 2019 Drilling program

Inferred

Below Pit Resource venture by contributing ~US\$150 million by January 31, 2020

South32 option to form a 50/50 joint

Drill Target

Seismic Survey

Metallurgy & **Hydrology**

Upcoming Catalysts



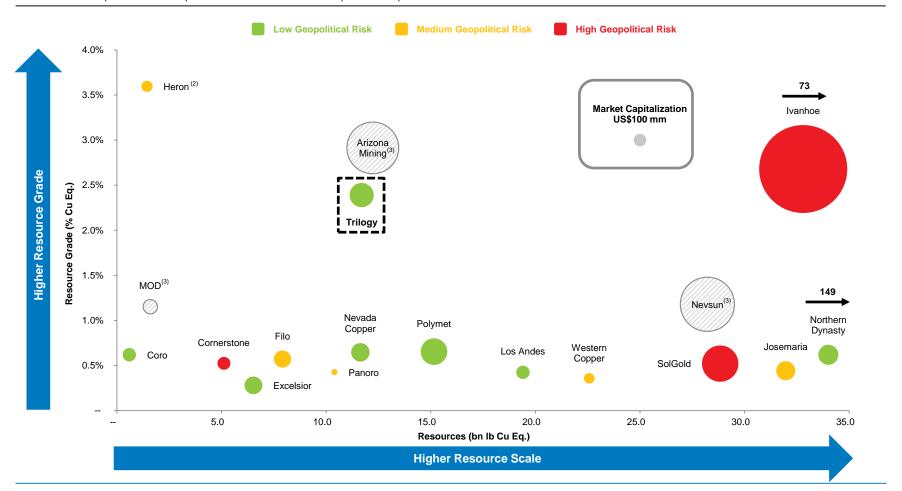
12-Month News Flow

- ✓ January 2019 US\$9.2 million option payment from South32
- ✓ Q1 2019 Copper/cobalt metallurgical results for Bornite
- ✓ August 23 Draft EIS for the Ambler Mining District Industrial Access Project
- H2 2019 Field Exploration Activities at Bornite and Ambler District Drilling
- H2 2019 Drilling Results for Arctic; Bornite and District Exploration
- H2 2019 Continue Arctic Feasibility Study
- H2 2019 Prepare Arctic for Permitting Process
- H1 2020 Updated NI 43-101 Resource Estimate for Bornite
- End of 2019 Final EIS for the Ambler Mining District Industrial Access Project
- End of 2019 AMDIAP Record of Decision
- By end of January, 2020 South 32 Option to Acquire a 50% interest in UKMP by Contributing a minimum of US\$150 Million



Resource Scale vs. Resource Grade

RESOURCES(1) (BN LB CU EQ.) VS. RESOURCE GRADE(1) (% CU EQ.)



Leading resource grade amongst copper peers with emerging scale





First concentrate production commenced in May 2019.



Based on transaction equity value.



