# HDIAMARC

# **POWERING THE FUTURE**

Developing High Value Copper-Gold Assets

# JOY – DUKE – IKE

TSXV: AHR OTCQB: AXREF May 2023

This presentation includes certain statements that may be deemed "forward-looking statements". All such statements, other than statements of historical facts that address exploration plans and plans for enhanced relationships are forward-looking statements. Although the Company believes the expectations expressed in such forward-looking statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results or developments may differ materially from those in the forward-looking statements. Assumptions used by the Company to develop forwardlooking statements include the following: Amarc's projects will obtain all required environmental and other permits and all land use and other licenses, studies and exploration of Amarc's projects will continue to be positive, and no geological or technical problems will occur. Factors that could cause actual results to differ materially from those in forward-looking statements include market prices, potential environmental issues or liabilities associated with exploration, development and mining activities, exploitation and exploration successes, continuity of mineralization, uncertainties related to the ability to obtain necessary permits, licenses and tenure and delays due to third party opposition, changes in and the effect of government policies regarding mining and natural resource exploration and exploitation, exploration and development of properties located within Aboriginal groups asserted territories may affect or be perceived to affect asserted aboriginal rights and title, which may cause permitting delays or opposition by Aboriginal groups, continued availability of capital and financing, and general economic, market or business conditions, as well as risks relating to the uncertainties with respect to the effects of COVID-19. Investors are cautioned that any such statements are not guarantees of future performance and actual results or developments may differ materially from those projected in the forward-looking statements. For more information on Amarc Resources Ltd., investors should review Amarc's annual Form 20-F filing with the United States Securities and Exchange Commission at www.sec.gov and its home jurisdiction filings that are available at www.sedar.com.

Technical information contained in this presentation has been reviewed and approved by Roy Greig, P.Geo., a Qualified Person who is not independent of Amarc.

- British Columbia (BC) is the premier jurisdiction for long life, high value Cu-Au deposits targeted by senior producers
- Amarc's experienced team has assembled a 100% interest in 3 porphyry Cu-Au districts in BC: all are serviced by provincial infrastructure
- Each district JOY (492km<sup>2</sup>), DUKE (678km<sup>2</sup>), IKE (673km<sup>2</sup>) hosts one or more open-ended Cu deposits and additional drill ready deposit targets
- With the advancement of work programs, tremendous potential exists for multiple wealth creation transactions

### Successful Management, Surging Copper and Gold Prices and High Value Copper-Gold Districts Uniquely Positions Amarc to Create Significant Wealth

### Amarc Value Proposition Three High Demand BC Copper-Gold District Scale Projects

- Freeport Mineral Properties Canada Inc. at JOY and Boliden Mineral Canada Ltd. at DUKE can earn up to a 70% interest in each District by staged investments of \$110 million and \$90 million, respectively: together, potentially \$200 million in non-share dilutive funding
- Freeport at JOY has funded \$20 million over 2021-22: budget planning underway for 2023
  - Completed 19,727 m of drilling (46 holes) and extensive district-wide surface surveys
  - Work programs indicate high potential for multiple deposits in a significant Cu-Au district

### • Boliden at DUKE has commenced planned funding of \$10 million through 2023:

- Completed 11,070 m of drilling at the Duke Deposit with 3 rigs
- District surface programs have commenced to explore multiple deposit targets to define targets for winter 2023-2024 drill testing

### Amarc actively considering options to advance IKE

• IKE hosts both bulk tonnage and higher-grade Cu deposits with important scale potential

### HDI has Been Successfully Exploring, Developing & Operating Mines in BC and Globally for over 35 Years

### Amarc Resources Ltd.

- ★ JOY Project
- ★ DUKE Project
- ★ IKE Project
- Newton Project<sup>1</sup>
- Legacy Projects
  - Golden Bear Mine
  - Mt. Milligan Mine
  - Kemess Mine
  - Maggie Project

### Taseko Mines Limited

- Gibraltar Mine
- New Prosperity Project
- Yellowhead Project



### Amarc: Focused on Successful Development of the Next Generation of BC Copper Resources

### **Amarc** Unparalleled BC Mining Experience



#### Dr. Diane Nicolson CEO & President

- Internationally successful mining executive and explorationist, PhD Economic Geology
- 20+ years of experience leading global teams in mineral exploration and development
- Past Chair of 5,000 member Association of Mineral Exploration, British Columbia



#### Robert Dickinson Executive Chairman

- Mining executive, active in mineral exploration & mine development for 40+ years
- Founder/Director of Hunter Dickinson Inc. (HDI), 35-years of successful discovery & development
- Recognized with multiple awards, Member of the Canadian Mining Hall of Fame



#### Dr. Roy Greig, P.Geo VP Exploration

- Economic geologist with extensive background and focus on porphyry Cu systems
- Responsible for Amarc's field programs at it's district-scale porphyry Cu-Au projects



#### Mark Rebagliati, P.Eng Technical Advisor

- Exceptional explorationist & manager of worldwide exploration projects
- Part of HDI's significant mineral deposit discoveries globally: including Mt Milligan, Southern Star & Kemess South (BC), Pebble (USA), Xietongmen (China), Campo Morado (Mexico)
- Recognized with multiple awards, Member of Canadian Mining Hall of Fame



#### Charlie Greig, P.Geo Technical Advisor

- Well-known and respected successful exploration geologist, with 40+ years in mineral exploration
- Recipient of multiple awards for the discovery of GT Gold's Tatogga copper-gold discovery (BC)
- · Leads C.J. Greig & Associates, a geological consultancy highly regarded for its technical expertise



#### Hunter Dickinson Inc. ("HDI")

- Amarc is a HDI company a private and diversified, global mining group characterized by the commitment and drive of its founders
- Over HDI's 35-year history it has discovered and developed 12 projects, globally, that have been or are currently being mined, and two others that are fully permitted for mine construction – with more to come
- Over 25 industry awards
- Amarc builds on HDI's proven global porphyry copper success

# JOY District Amarc is Developing Mineral Projects Targeted by Major Mining Companies

### Situated for Success in North-Central BC With Key Infrastructure



### Pine Cu-Au Deposit & Pipeline of Cu-Au Discoveries and Deposit Targets

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### Situated for Success in North-Central BC With Key Infrastructure



Pine Cu-Au Deposit & Pipeline of Cu-Au Discoveries and Deposit Targets

# **JOY District**

Large Scale Porphyry Cu-Au Potential Hidden Under Thin Glacial Cover



**JOY District** IP Surveys Have Outlined Clusters of Large-Scale Mineral Systems at Pine, Canyon, Twins and Other Developing Targets



### PINE PORPHYRY TREND AT JOY DISTRICT



# **PINE Deposit**

### Hosts Significant Expansion Potential Laterally and to Depth



#### PINE TARGET 6 KM<sup>2</sup> MINERALIZED FOOTPRINT OUTLINED BY 14 MV/V CHARGEABILITY ANOMALY

#### 2021-2022 Amarc PINE Drill Highlights

2022 Results	<b>JP22016 6</b> 0.40% CuEQ / 53 m
<ul> <li>0.42% CuEQ<sup>1</sup> / 204 m</li> <li>0.51% CuEQ / 39 m</li> <li>0.28% CuEQ / 71 m</li> </ul>	Image: system system with the system syste
JP22011 (B) 0.44% CuEQ / 72 m 0.38% CuEQ / 57 m	<b>JP22018</b> 0.39% CuEQ / 51 m
<b>JP22012</b> 0.31% CuEQ / 68 m	<b>JP22034</b> 🕕 0.24% CuEQ / 57 m
0.32% CuEQ / 133 m	
0.32% CuEQ / 133 m	2021 Results
0.32% CuEQ / 133 m <b>JP22013</b> 0.40% CuEQ / 107 m 0.30% CuEQ / 77 m	2021 Results
0.32% CuEQ / 133 m JP22013 0.40% CuEQ / 107 m 0.30% CuEQ / 77 m	2021 Results JP21007 0.56% CuEQ / 102 m 0.24% CuEQ / 94 m
0.32% CuEQ / 133 m         JP22013       0.40% CuEQ / 107 m         .30% CuEQ / 77 m         JP22014       0.23% CuEQ / 149 m	2021 Results JP21007
0.32% CuEQ / 133 m JP22013 0.40% CuEQ / 107 m 0.30% CuEQ / 77 m JP22014 0 0.23% CuEQ / 149 m 0.25% CuEQ / 228 m	2021 Results         JP21007       Image: Colspan="2">0.56% CuEQ / 102 m 0.24% CuEQ / 94 m         JP21008       Image: Colspan="2">0.33% CuEQ / 95 m

Historical Drill Highlights				
PIN09-03	A 0.28% CuEQ / 73 m 0.21% CuEQ / 86 m			
PIN09-04	<b>B</b> 0.17% CuEQ / 105 m			
79-2	<b>©</b> 0.64% CuEQ / 51 m			
97-08	<b>D</b> 0.46% CuEQ / 145 m			
97-04	🜔 0.45% CuEQ / 137 m			
93-44	<b>(F)</b> 0.38% CuEQ / 99 m			
93-45	<b>G</b> 0.24% CuEQ / 108 m			
97-02	θ 0.35% CuEQ / 79 m			
PIN09-07	🕕 0.26% CuEQ / 93 m			
PIN09-08	(J) 0.30% CuEQ / 120 m			

#### Legend

- Amarc Drill Collar and Trace
- d Historical Drill Collar and Trace
- Amarc Highlight Interval
- Historical Interval (Select)
- ---- Historical>0.15% CuEQ Down Hole Composite
- 14mV/V IP Chargeability Target
- Copper equivalent (CuEQ) calculations use metal prices of: Cu US\$4.00/lb, Au US\$1,800.00/oz, Ag US\$24.00/oz and conceptual recoveries of: Cu 85%, Au 72% and 67% Ag.

For assay results see JOY 2020 Technical Report and Amarc's releases March 7, 2022 and March 2, 2023

# **CANYON Discovery** Hole JP22030 makes Important Cu-Au Discovery Within Highly Prospective 5 km<sup>2</sup> Sulphide System





## **DUKE District** Amarc is Developing the Mineral Projects Targeted by Major Mining Companies

### Situated for Success in Central BC With Key Infrastructure



## **DUKE Deposit**

Looking NE Over IP Anomaly With Historical (Shallow) & Amarc (Deep) Drill Holes



# **DUKE Deposit** Successful Test of Depth Potential with Mineralization Open in All Directions



# **DUKE District**

Amarc Analyses of Government Data Identifies Multiple New Porphyry Cu-Au Targets





Calculated dispersion train length ~3.5 km

Compelling multi-element anomalies discovered with high contrast to background



10 Kilometres

# IKE District Amarc is Developing the Mineral Projects Targeted by Major Mining Companies

### Situated for Success in South-Central BC With Key Infrastructure



# IKE District Looking North Across IKE and Empress Deposits



1. As outlined by IP chargeability surveying, surface geochemical sampling and 26 core holes.

### **Empress Deposit**

Higher Grade Copper & Gold Drill Intersections Open to Significant Expansion

Drill Hole		From (m)	To (m)	Int. (m) <sup>1,2,3</sup>	Cu (%)	Au (g/t)	Ag (g/t)4	Mo (%)4	CuEQ (%) <sup>5,6</sup>
76-3		26.8	102.9	76.1	0.92	1.42	4.7	-	1.74
	Incl.	26.8	37.6	10.8	0.49	4.24	2.3	-	2.86
	Incl.	42.7	74.4	31.7	1.11	1.39	4.5	-	1.91
90-21		10.4	19.5	9.1	0.31	0.34	0.5	0.011	0.53
		140.5	192.9	52.4	1.10	1.21	2.5	0.004	1.81
	Incl.	153.3	175.3	22.0	1.58	1.67	2.6	0.006	2.54
	Incl.	182.6	191.1	8.5	1.92	2.74	7.8	0.006	3.52
		198.4	218.8	20.4	0.30	0.54	1.3	0.002	0.62

### **Selected Drill Hole Results<sup>7</sup>**

>=0.50 >=0.30 & <0.50

1. Widths reported are drill widths, such that the thicknesses are unknown.

2. All assay intervals represent length-weighted averages.

3. Some figures may not sum exactly due to rounding.

4. (-) means not assayed for.

- 5. Copper equivalent (CuEQ) calculations use metal prices of: Cu US\$4.00/lb, Au US\$1,800.00/oz, Ag US\$24.00/oz and Mo US\$15.00/lb and conceptual recoveries of: Cu 85%, Au 72%, 67% Ag and Mo 82%. Conversion of metals to an equivalent copper grade based on these metal prices is relative to the copper price per unit mass factored by conceptual recoveries for those metals normalized to the conceptualized copper recovery. The metal equivalencies for each metal are added to the copper grade. The general formula for this is: CuEQ % = Cu% + (Au g/t \* (Au recovery / Cu recovery) \* (Au \$ per oz/31.1034768) / (Cu \$ per lb\* 22.04623) + (Ag g/t \* (Ag recovery / Cu recovery) \* (Ag \$ per oz/31.1034768) / (Cu \$ per lb\* 22.04623) + (Mo% \* (Mo recovery / Cu recovery) \* (Mo \$ per lb / Cu \$ per lb)).
- 6. The estimated metallurgical recoveries are conceptual in nature. There is no guarantee that the metallurgical testing required to determine metal recoveries will be done or, if done, the metallurgical recoveries could be the same as the conceptual recoveries used to determine the CuEQ.
- 7. Further information on drill hole analytical and data procedures is in Amarc 2020 technical reports filed at <u>www.sedar.com</u>.

### **Greater Empress**

Lateral Higher Grade Drill Intercepts Indicate Significant Expansion Potential



- Amarc owns 100% of 3 porphyry Cu-Au Districts in BC: JOY, DUKE and IKE
- Each District hosts significant porphyry copper deposits, with clusters of deposit scale targets
- International copper and gold producers are both actively seeking major new porphyry copper-gold discoveries
- \$200 million of combined, staged and non-share dilutive funding underway through earn-in agreements with Freeport at JOY and Boliden at DUKE, with Amarc operating all work programs
- Multiple significant wealth creation opportunities exist at the corporate, district or deposit level as drill and exploration programs advance projects
- Numerous coming catalysts from JOY and DUKE field programs with plans being considered for Amarc's other high demand copper-gold assets

### Successful Management, Surging Copper and Gold Prices and High Value Copper-Gold Districts Uniquely Positions Amarc to Create Significant Wealth





### Amarc

An Unparalleled Portfolio of Copper and Gold Assets: Positioned for Success

Listed

**Shares Issued** 

**Management Owns** 

TSXV: AHR OTCQB: AXREF 187 million +25%



A MEMBER OF THE HDI GROUP

### **IKE Deposit**

Three Phase Drill Program Planned to Delineate Deposit & Establish Resources



# IKE Deposit Looking NE Over IKE Discovery & Higher Grade Cirque Areas



# **IKE Deposit**

Cross Section Looking North Shows Extensive, Continuous Mineralization



# **Greater Empress**

Two-Stage Drill Program Planned to Delineate Copper-Gold Resources



# North America's Heartland for Copper-Gold Porphyries

Reserves & Resources at Select BC Porphyry Copper Mines & Projects

Name	Category	Million Tonnes	Cu %	Au g/t	Мо %	Ag g/t
Red Chris <sup>1,A</sup>	Proven	262	0.38	0.29		
	Probable	25	0.29	0.29		
New Prosperity <sup>B</sup>	Proven	481	0.26	0.46		
	Probable	350	0.18	0.35		
Mt. Polley <sup>C</sup>	Proven	51	0.28	0.30		0.53
	Probable	23	0.27	0.28		0.63
Morrison <sup>D</sup>	Proven	115	0.36	0.17	0.004	
	Probable	109	0.30	0.15	0.004	
	Measured	98	0.40	0.19	0.005	
	Indicated	110	0.39	0.19	0.005	
Mt. Milligan <sup>E</sup>	Proven	212	0.18	0.40		
	Probable	236	0.19	0.30		
Ajax <sup>F</sup>	Proven	130	0.30	0.19		0.40
	Probable	296	0.28	0.19		0.38
Copper Mountain <sup>G</sup>	Proven	205	0.25	0.09		0.87
	Probable	271	0.22	0.11		0.62
Gibraltar <sup>H</sup>	Proven	469	0.26		0.008	
	Probable	121	0.23		0.008	
Vollowboad <sup>H</sup>	Proven	458	0.29	0.03		1.3
renowneau	Probable	359	0.26	0.03		1.2
Vallov	Proven	463	0.32		0.006	
vancy	Probable	174	0.28		0.009	
Boll <sup>P</sup>	Measured	57	0.41	0.18		
Dell	Indicated	200	0.40	0.20		
Granisla <sup>P</sup>	Measured	18	0.34	0.11		
Granisie	Indicated	55	0.30	0.10		

1. 2010 Ultimate Pit; P+P is 289 Mt at 0.37% Cu, 0.28 g/t Au \$11.19 MVH cutoff.

# North America's Heartland for Copper-Gold Porphyries References for BC Porphyry Copper Mines & Projects

- A. Greg Gillstrom P.Eng., Raj Anand, M.Eng. P.Eng., Steve Robertson, P.Geo., "2012 Technical Report on the Red Chris Copper-Gold Project", February 14, 2012; Open pit cutoff \$1.50 MVH, Underground cutoff \$16.90 MVH (Mill Head Value) from website
- B. Scott Jones, P.Eng., "Technical Report on the 344 million tonne Increase in Mineral Reserves at the Prosperity Gold-Copper Project", December 17, 2009; Proven & Probable Reserves, C\$5.50 NSR/t cutoff
- C. Ryan Brown P.Eng., Gary Roste P.Geo., Janice Baron P.Eng., Chris Rees P.Geo., "Mount Polley Mine, 2016 Technical Report", May 20, 2016; Proven & Probable Reserves Open pit cutoff \$1.00 MVH, Underground cutoff \$40.00 MVH
- D. Wardrop, "Morrison Copper/Gold Project Feasibility Study NI 43-101 Technical Report", February 12, 2009; Proven & Probable Res., \$5.50 NSR cutoff; Wardrop, "Morrison Copper/Gold Project – Feasibility Study NI 43-101 Technical Report", March 12, 2009;
- E. Centerra Gold Inc. website https://www.centerragold.com; Proven & Probable Reserves at December 31, 2018, NSR cutoff C\$8.12/t
- F. Kenneth Dagel PE, Daniel Roth PE, P.Eng., Sean Ennis, P.Eng., Danny Tolmer, P.Eng., Christopher Wild P.Eng., Claus Stober PE, Julian Watson MAusIMM CP (Geotech) RPEQ, Jian Yue P.Eng., Emir Mehmedbegovic P.Eng., Peyton Rahmatian P.Eng., Maz Laylabadi P.Eng., Stephen Farmer P.Eng., "Ajax Project –NI 43-101 Technical Report Feasibility Study Update", February 19, 2016; Proven & Probable Reserves, US\$7.10/t NSR cutoff
- G. Copper Mountain Mining Corporation website https://www.cumtn.com/ ; Proven & Probable Reserves at August 1, 2019, cutoff 0.10% Cu
- H. Taseko Mines Limited website <u>http://www.tasekomines.com/home</u>; Gibraltar Proven & Probable Reserves at December 31, 2018, sulphide cutoff 0.10%
   Cu; Yellowhead Proven & Probable Reserves at December 31, 2019, cutoff 0.17% Cu
- 1. Teck Resources Limited website http://www.teck.com; Proven & Probable Reserves at December 31, 2018, cutoff 0.11% Cu
- J. BC MINFILE Number: 094E 066, LAWYERS
- K. Golder Associates, "Technical Report for the Kemess Underground Project and Kemess East Project, BC," for AuRico Metals Ltd., July 2017; Kemess Underground and Kemess East Indicated Resources NSR cutoff of C\$17.30/t
- L. Golder Associates, "Technical Report for the Kemess Underground Project and Kemess East Project, BC," for AuRico Metals Ltd., July 2017; South Kemess Past Production (ore milled)
- O. RPA, "Technical Report on the Initial Mineral Resource Estimate for the Newton Project, Central British Columbia, Canada NI 43-101 Report", November 9, 2012
- P. Glencore Annual Report 2014, Reserves & Resources as at 31 December 2014; Measured & Indicated Resources

"We operate in a responsible manner so that our activities protect the Health and Safety of our employees and contractors, and of the communities in which we work."

AMARC'S RESPONSIBLE MINERAL DEVELOPMENT POLICY



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