

ASTON BAY



Exploring for Gold and Base Metals in Virginia

March 2022

TSX-V: BAY | OTCQB: ATBHF

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Qualified Person:

The technical information contained within this presentation has been reviewed and approved by the Company's Consultant, Primary Geologist and Director, Michael Dufresne, M.Sc., P. Geo., a qualified person as defined by NI 43-101.



Drilling at Buckingham Gold Project, Virginia, April 2019

Aston Bay Holdings is a US-focused exploration company advancing base metals and gold assets in Virginia. The Company partners with local landowners for the exclusive option to lease mineral rights.

These properties are located within an underexplored gold-copper-zinc mineralized belt which has historically hosted both gold and base metals deposits.

Aston Bay has already made two new discoveries in the belt: **SEDEX copper-zinc** and **mesothermal gold**. As well, the company is working to “rediscover” potential in historic (pre-1850’s) producers.

Why SEDEX deposits are significant

- Important source of base metals
- Size/grade potential and consistency
- Camp potential, multiple occurrences
- Examples: *Sullivan, BC, and Red Dog, Alaska*

Why mesothermal gold is significant

- High grade potential in ore shoots
- Low impact underground mining methods
- Significant potential down-dip and along-strike extent
- Examples: *Kirkland Lake and Red Lake, ON, lode gold*

Industry-Recognized Technical Team



Thomas Ullrich
CEO, Director

Former Chief Geologist North America for Antofagasta Minerals
Former Senior Geologist for Almaden Minerals; on the Ixtaca Ag-Au deposit discovery team



Donald Taylor
Advisor

Founder, Jack's Fork Exploration, vendor of the Virginia exploration assets
2018 Thayer Lindsley Award winner for his discovery of the Taylor Pb-Zn-Ag Deposit
CEO Titan Mining, Director Solaris Resources



Lamont Leatherman
Advisor

Former Senior Geologist, Jack's Fork Exploration
Over 30 years of experience in the district, including several discoveries, two currently in development



Elaine Ellingham
Advisor

Former Director, Jack's Fork Exploration
President and CEO Omai Gold Mines, Director at Alamos Gold Inc. and Almaden Minerals Ltd

Jurisdiction

- Excellent access to infrastructure: road, power and rail
- Private land - no additional drill permitting required
- Ability to drill year-round; attractive cost of drilling (approx. C\$250/metre (all-in))

Proven Technical Team

- Leverage Don Taylor's expertise, experience and relationships
 - Lead discovery team of the Taylor Pb-Zn-Ag Deposit in Arizona; **US\$1.6 billion sale of Arizona Mining to South32**
- Local resident geologist for on-the-ground support, US-based geological and drill teams
- Capitalize on Tom Ullrich's experience as Sr. Geologist for Almaden Minerals; **part of the discovery team on the Ixtaca Ag-Au deposit**

Unique Land Package

- Acquisition of Don Taylor's private company, with exclusive database
 - Vetted Au-Cu-Zn exploration targets

Underexplored Potential

- ***Two new discoveries*** using modern exploration methods:
 - a large-scale ***SEDEX copper-zinc*** discovery at the Mountain Project
 - a ***high-grade mesothermal gold*** vein at the Buckingham Project
- Little exploration since 1850 underscores the ***brownfields potential***
 - Proven gold in shallow pre-1850s workings in a historically prolific gold belt, but unexploited at depth due to lack of technology and capital

Portfolio Overview

Blue Ridge Properties, Virginia, USA



Base Metals Belt

(SEDEX Discovery)

- VMS, SEDEX and BHT type prospects over a 100km long trend:
2.77% Cu, 0.94% Zn over 5m, and
1.17% Cu, 5.23% Zn over 2.25m*
- **New SEDEX discovery: Mountain Cu-Zn Project**
- **Currently drilling**

Buckingham Gold Project

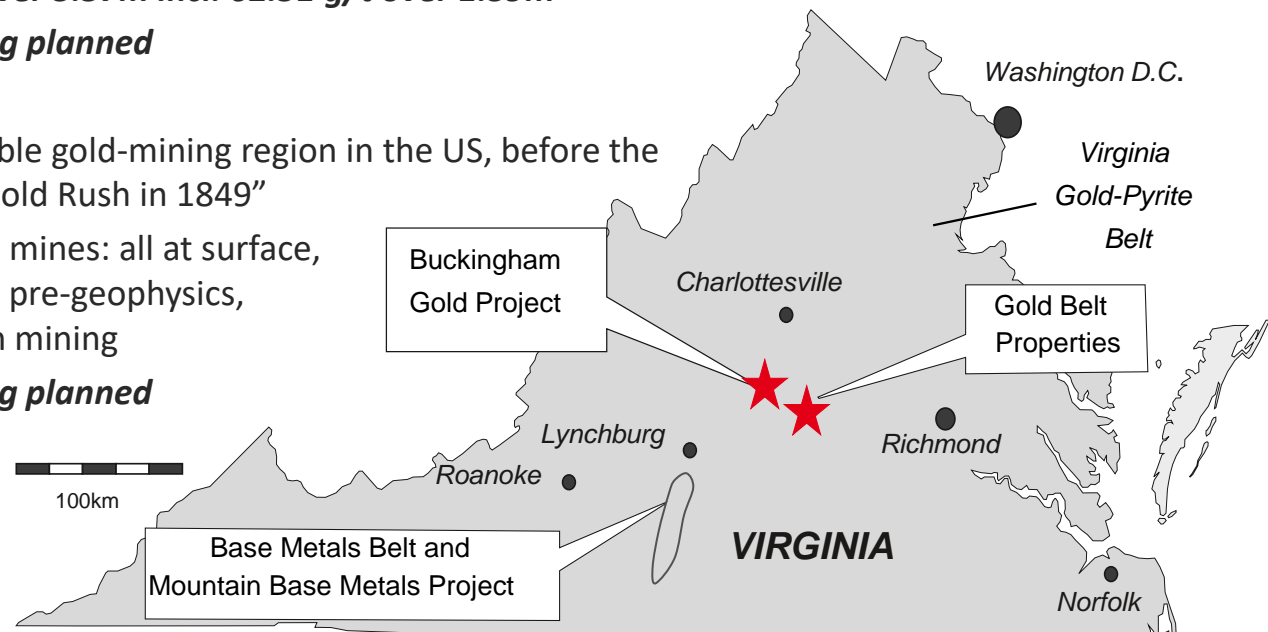
(New Gold Vein Discovery)

- High grade, steeply dipping mesothermal-style gold vein (e.g. Kirkland Lake, etc.)
- **35.61 g/t Au over 2.03m****
- **24.73 g/t over 3.57m incl. 62.51 g/t over 1.39m****
- **2022 drilling planned**

Gold Belt Properties

(Brownfields)

- “Most notable gold-mining region in the US, before the California Gold Rush in 1849”
- 287 historic mines: all at surface, pre-drilling, pre-geophysics, pre-modern mining
- **2022 drilling planned**



* width indicated are core length

** assuming a 72° NE dip on the quartz vein, true interval width is 80%

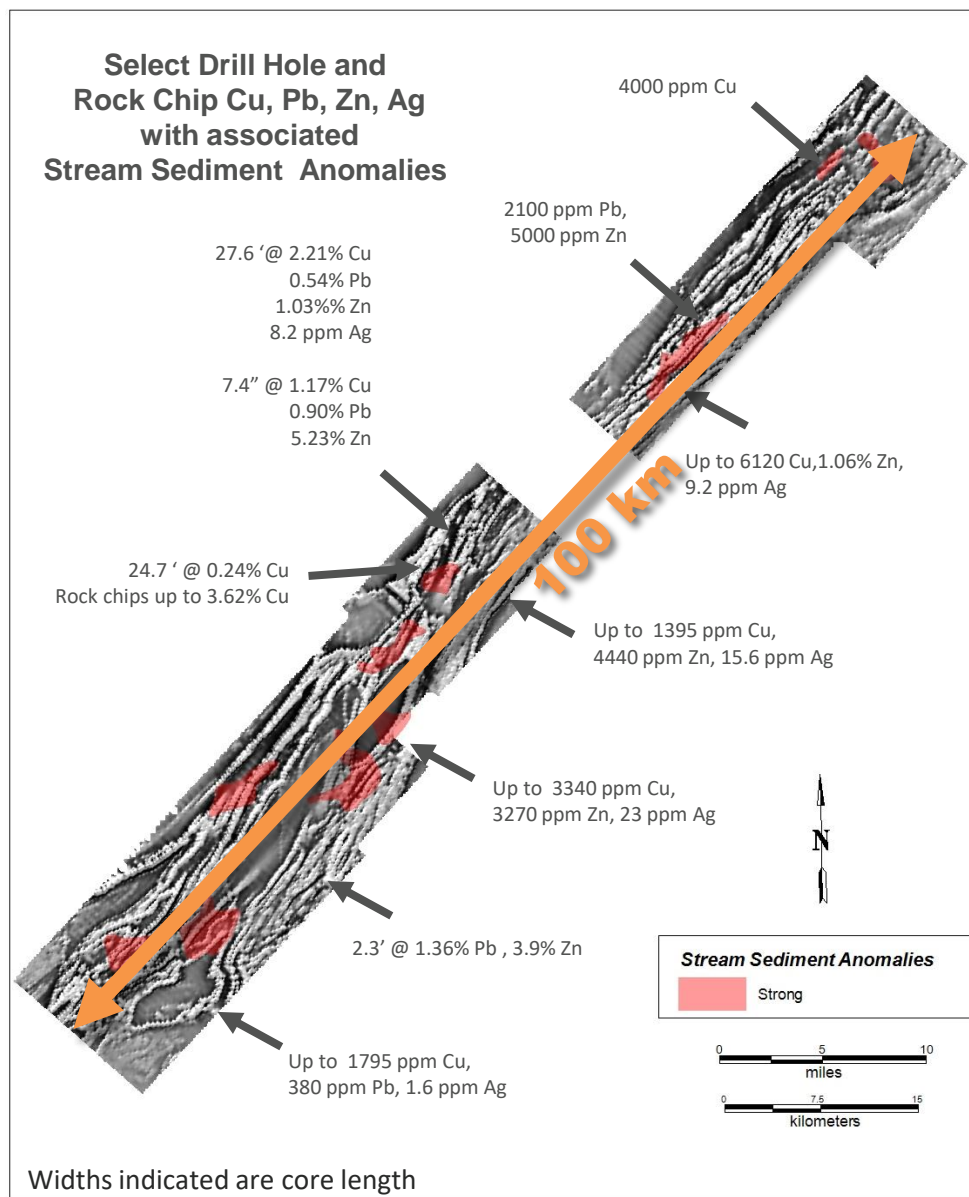
Virginia Base Metal Belt

Mountain
Cu-Zn Project
(New SEDEX
Discovery)



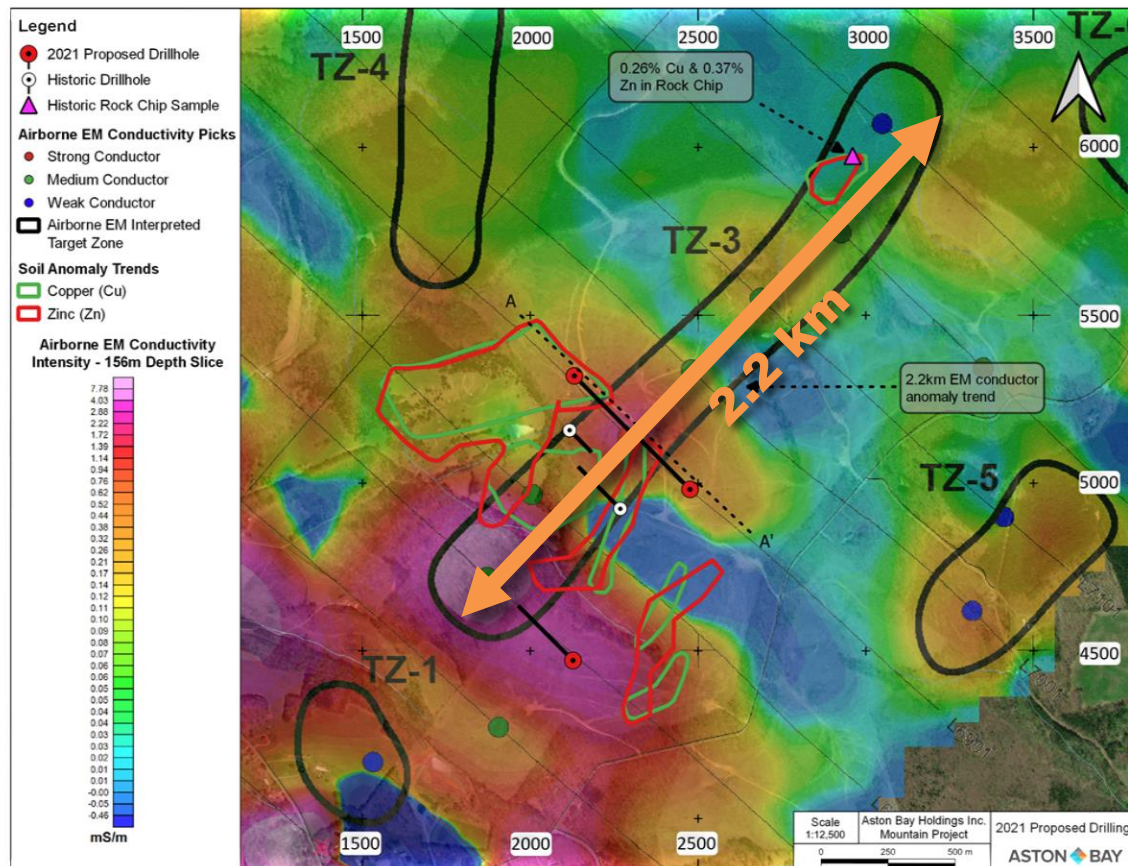
An Underexplored Base Metals Belt

Significant Grade, Drill-Ready Targets

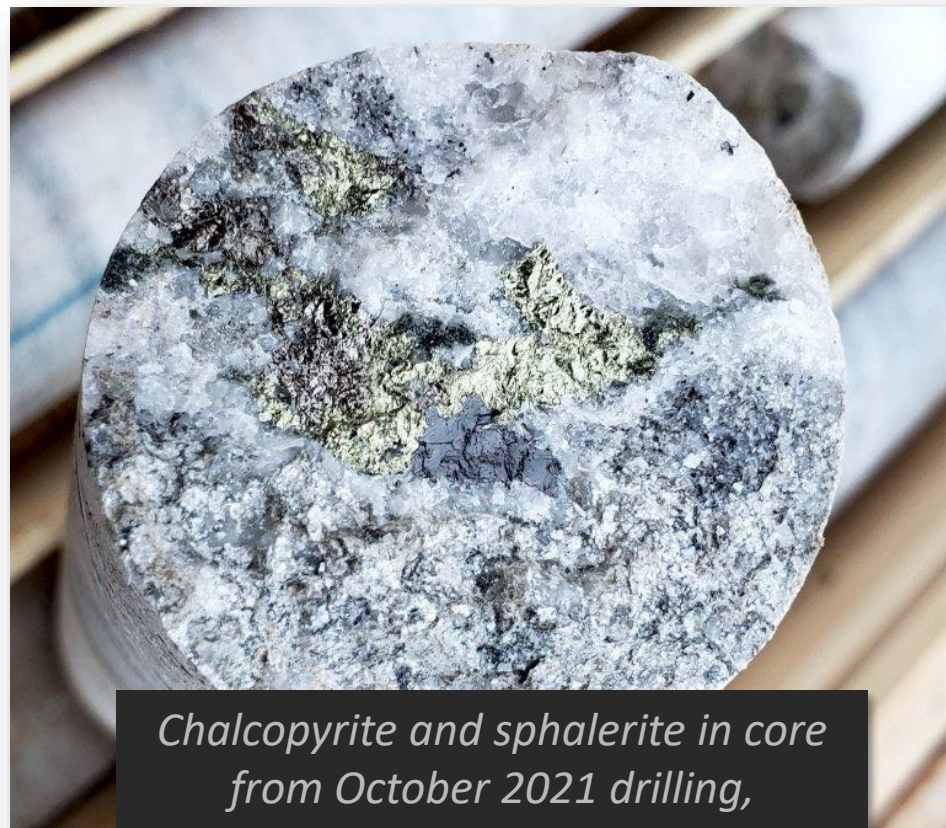


- 100km mineralized trend
- Proprietary Data:
 - 1.2 million-acre airborne EM/Mag survey
 - Regional stream sediment survey
 - Regional rock chip sampling
 - Drill data from sparse exploratory holes
- Significant intercepts in limited historical drilling with no follow-up
- Drill-ready targets
- **New SEDEX discovery** → Mountain Cu-Zn Project

- Cu-Pb-Zn-Au-Ag-Co target
- Located on 802 hectares of private land with direct access to both highway and rail transportation
- Several electromagnetic (EM) and magnetic anomalies delineated by reinterpretations of historic airborne and ground geophysical surveys
- Target delineated by Don Taylor's team 1990's-2010's
- **Currently drilling highest priority target (TZ-3), an airborne EM conductor anomaly 2.2km in strike length**



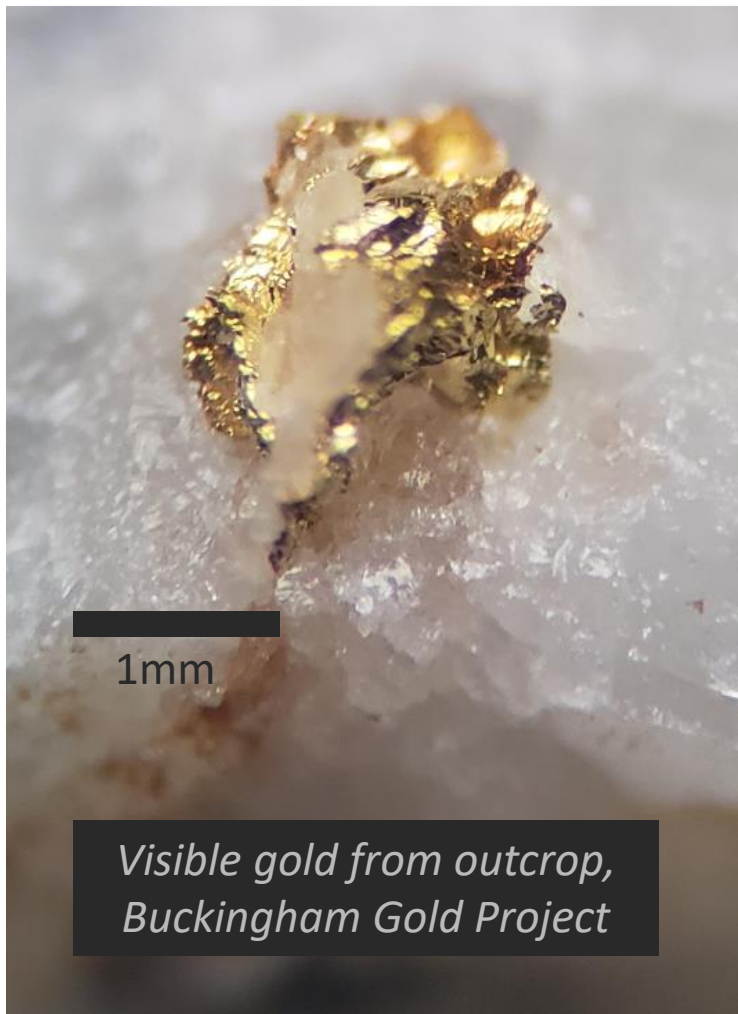
- *Expanded land position to 2,127 acres*
- *Drilling ongoing, over 3,000m completed in eight drill holes (assays pending) – drill program expanded to 3,500m*
- *Cu-Zn mineralization in all holes*
- Stacked zones of disseminated and semi-massive chalcopyrite and sphalerite, with pyrite and pyrrhotite up to 20m in apparent thickness (core length), with thinner zones of more concentrated disseminated and semi-massive sphalerite- and chalcopyrite-bearing mineralization on the meter to sub-metre scale
- Quartz veins and zones of silicification deep (>300m): potential feeder zones



Chalcopyrite and sphalerite in core from October 2021 drilling, Mountain Project

Virginia Gold Projects



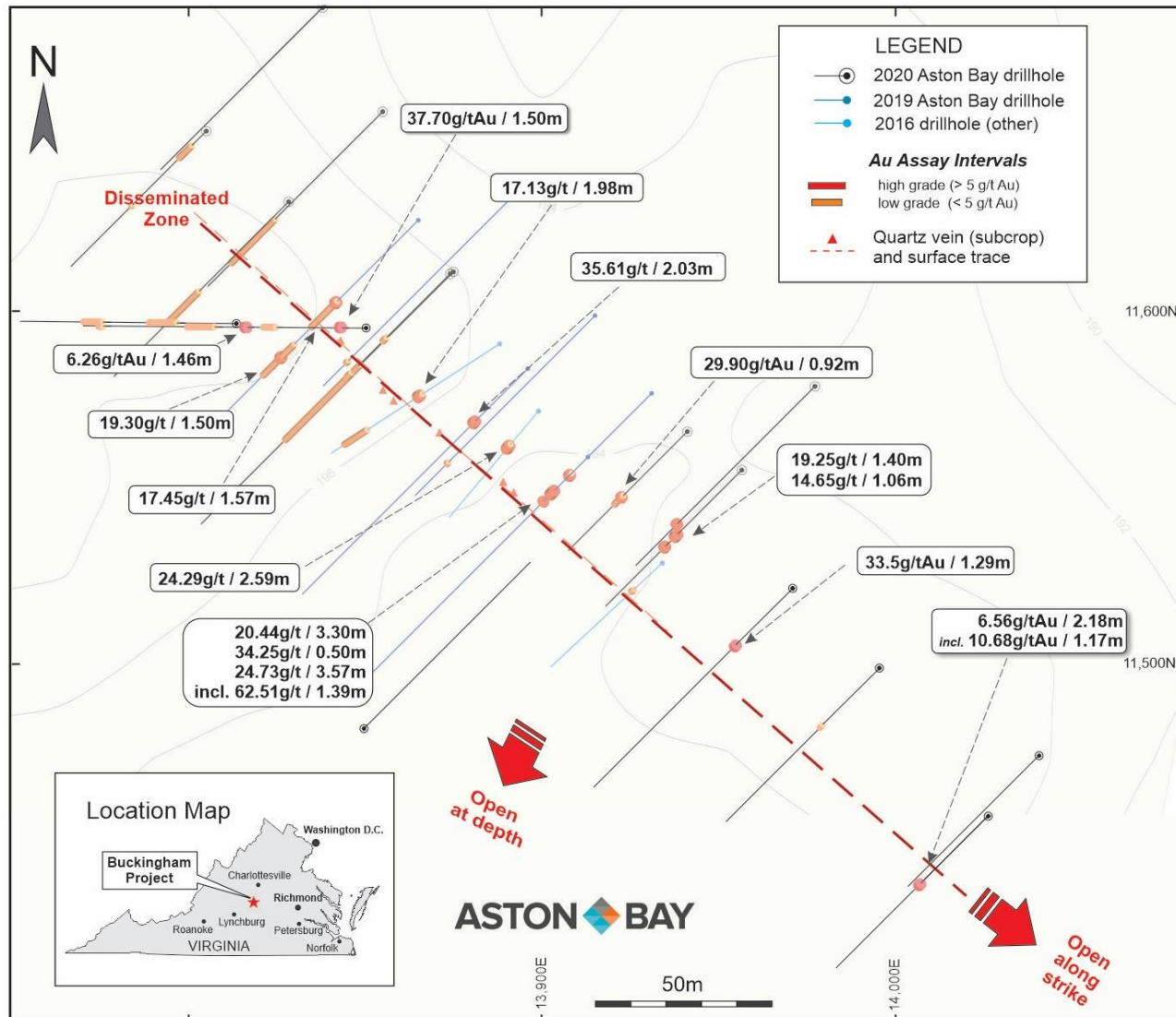


- **New discovery, high-grade gold at surface**
 - up to **701 g/t Au** in surface grab samples: white quartz with visible gold
- 23 holes drilled in 2019-2020 programs
 - Gold in quartz veins (mesothermal/orogenic)
35.61 g/t Au over 2.03m**
20.44 g/t over 3.30m and 34.25 g/t over 0.5m**
24.73 g/t over 3.57m incl. 62.51 g/t over 1.39m**
- Open along strike (>200m) and at depth (>90m)
- Additional 532 prospective acres recently added along strike to southeast
- Potential strike length of vein over one mile
- ***2022 drilling planned: down dip and SE extensions***

**widths indicated are core length

Buckingham Gold Project

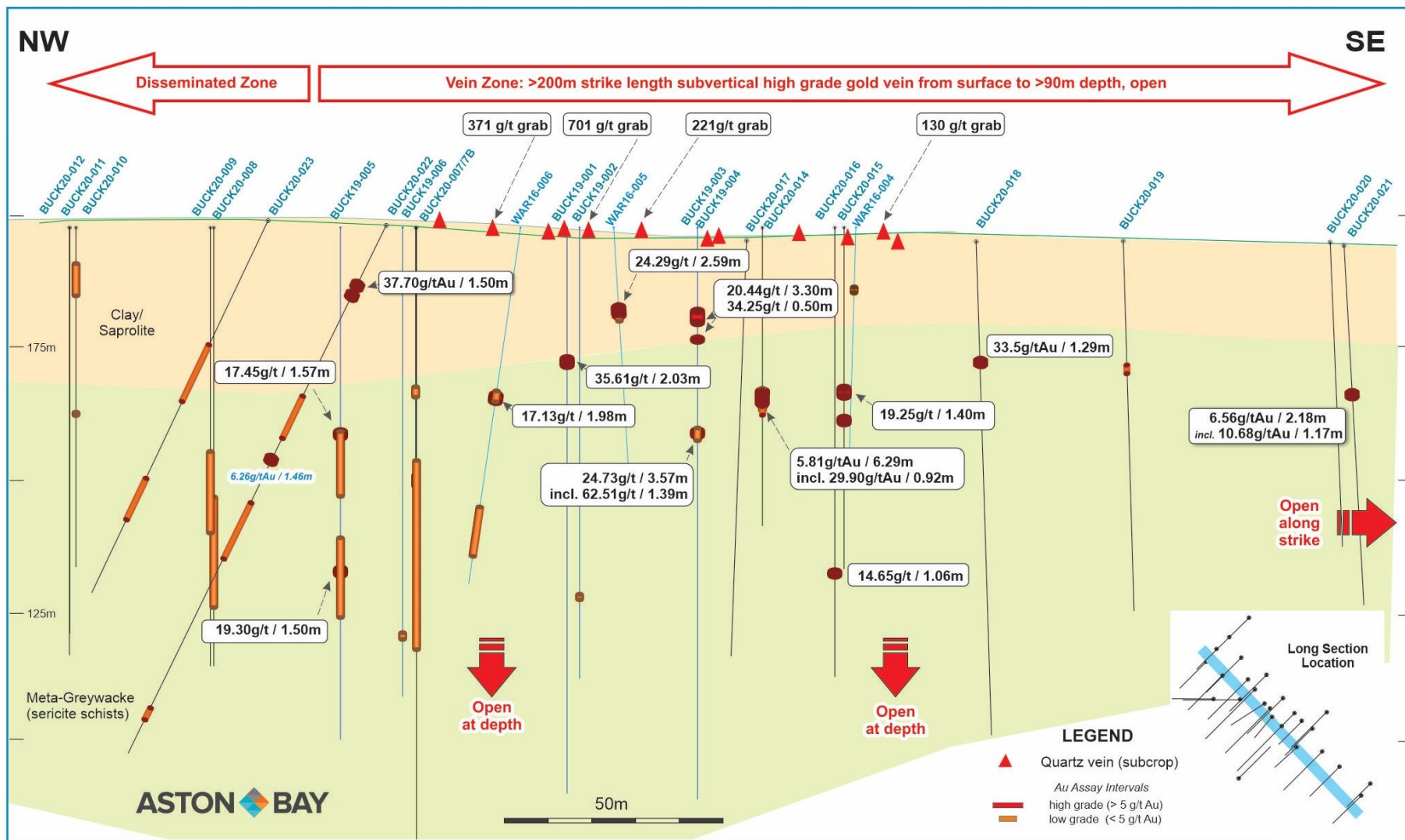
Open Along Strike and At Depth



** assuming a 72° NE dip on the quartz vein, true interval width is 80%

Buckingham Gold Project

Open Along Strike and At Depth



Buckingham Long-Section (View NE)
with Select Au Assay Intervals

**assuming a 72° NE dip on the quartz vein, true interval width is 80%



*Quartz vein float samples,
Brownfields Gold Project*

- White quartz veins with iron oxide, pyrite and gold in historic workings; adjacent to prolific placer stream
- Proven gold producing site:
 - 800m reported strike length in historic workings ***but mined to depth of only ~30m***
- 1850's mining: lacked technology and capital to mine deeper at that time – opportunity for additional gold at depth
- Target: drill underneath the shallow workings to test unmined depth extents
- ***2022 drilling planned***

- **Mountain Cu-Zn Project (SEDEX Discovery)**
 - Drilling underway, program extended to 3,500m; **drill results pending**
- **Buckingham Gold Property (New Discovery)**
 - Proposed follow-up drilling on down-dip and along-strike extensions in 2022
- **Virginia Gold Belt Property (Brownfields – potential rediscovery)**
 - Proposed drilling underneath significant past producer in 2022
 - Continued evaluation of historic gold properties in belt
- **Private placement – complete financing for up to C\$1.2M**

Share Structure

(as of February 28, 2022)	Millions
Basic Shares Outstanding	177.4
Options (Avg. price \$0.11)	13.8
Warrants (Avg. price \$0.12)	48.9
Fully Diluted Shares Outstanding	240.1
Market Capitalization	9.8



THANK YOU

For More Information

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Appendix



Portfolio focused on advancing drill-ready copper-zinc and gold projects in 2022.



Select Significant Gold Intercepts from Buckingham Project (2019/2020 Drill Season)

Drill Hole	(m)	(m)	Length (m)	True Width (m)	g/t Au
BUCK19-001	36.40	38.43	2.03	1.62	35.61
BUCK19-003	23.20	26.50	3.30	2.64	20.44
<i>and</i>	30.90	31.40	0.50	0.40	34.25
BUCK19-004	55.73	59.30	3.57	2.85	24.73
<i>including</i>	56.51	57.90	1.39	1.11	62.51
BUCK19-005	56.73	58.30	1.57	1.25	17.45
<i>and</i>	95.00	96.50	1.50	1.20	19.30
BUCK20-014	44.71	51.00	6.29	5.03	5.81
<i>including</i>	45.43	46.35	0.92	0.74	29.90
BUCK20-015	44.60	47.00	2.40	1.92	4.47
<i>and</i>	53.00	54.40	1.40	1.12	19.25
BUCK20-016	95.70	96.76	1.06	0.85	14.65
BUCK20-018	35.31	36.60	1.29	1.03	33.50
BUCK20-020	38.10	40.28	2.18	1.74	6.56
<i>including</i>	38.53	40.28	1.75	1.40	8.07
<i>including</i>	39.11	40.28	1.17	0.94	10.68
BUCK20-022b	15.50	17.00	1.50	1.20	37.70

- 2022 exploration program to follow up on significant intercepts: vein open along strike and at depth. Over one mile (1.6 km) potential strike length.

** assuming a 72° NE dip on the quartz vein, true interval width is 80%

Storm Copper

High-grade, near-surface sediment hosted Cu deposit south of the past-producing Polaris Mine, NT, with intersections including:

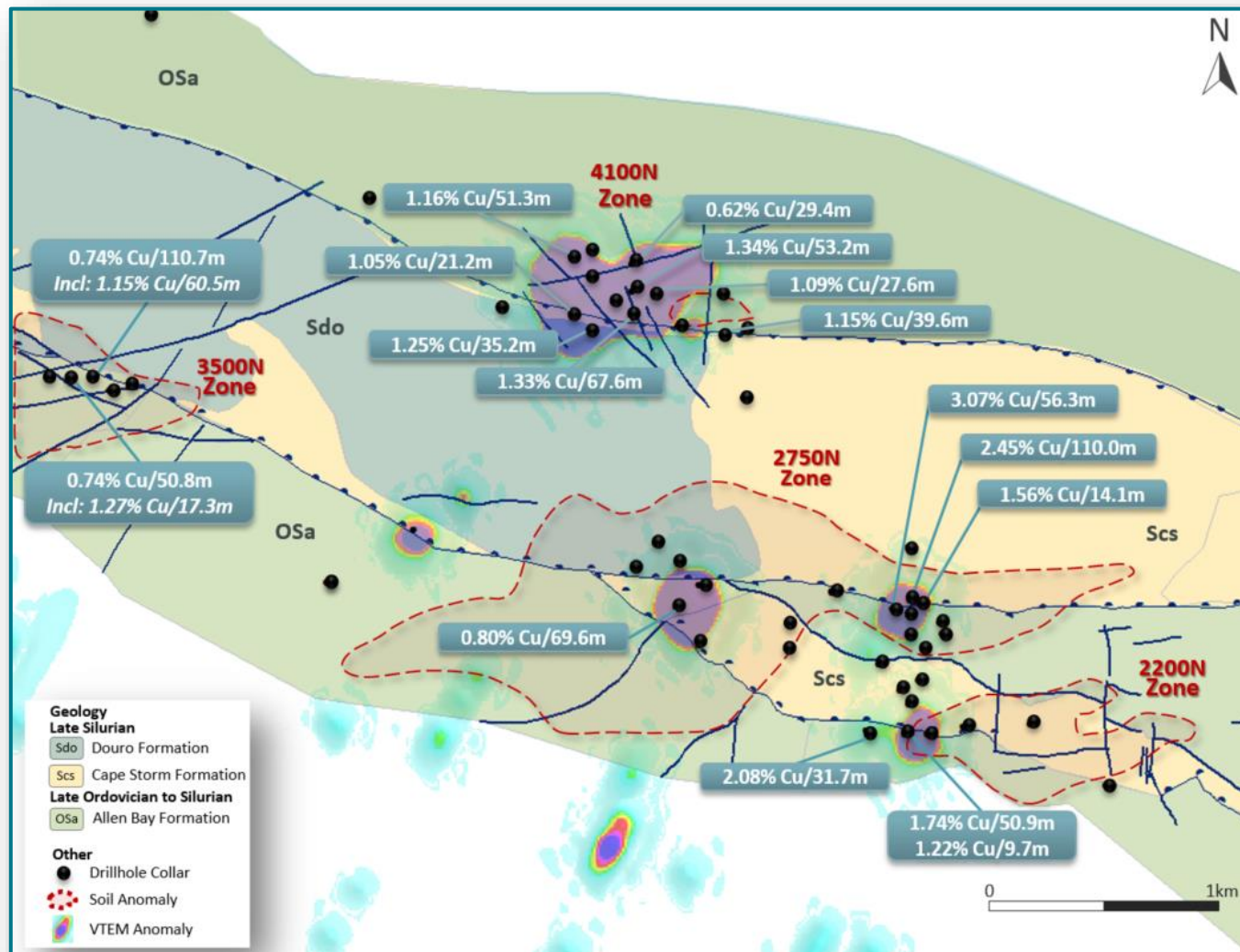
- 110m @ 2.45% Cu from surface; and
- 56.3m @ 3.07% Cu from 12.2m

Seal Zinc

Polaris-style (?) zinc, 1MT 10% Zn resource, with intersections including:

- 18.8m @ 10.58% Zn, 28.7g/t Ag from 51m; and
- 22.1m @ 6.62% Zn, 27.1g/t Ag from 27.1m

Numerous underexplored targets/prospects within the 120km strike length of the mineralized trend on Somerset Island, Nunavut.



“Congo-style” high-grade copper and zinc; partner-funded drill program proposed in 2022.

