

ASTON BAY

**Exploring for
Copper, Zinc and Precious Metals
in North America**

**TSX-V: BAY
OTCQB: ATBHF**

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The statements contained in this presentation which are historical in nature are accurate to the best of our knowledge. However, the Company makes no assurances and does not guarantee that the statements included herein are accurate.

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Qualified Person:

The technical information contained within this website 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.

Mine-proven discovery record supported by technical expertise and focus

- ❖ Dr. David Broughton
- ❖ Donald Taylor

No Debt

Market Cap ~\$9.07 M*

Institutional shareholders

- ❖ Commodity Discovery Fund
- ❖ JPMorgan Asset Management (UK)
- ❖ Mackenzie Investment Group
- ❖ Sprott

Aston Bay Property

Nunavut, Canada

- ❖ Proven world-class district
- ❖ On tidewater
- ❖ Mining friendly jurisdiction

Blue Ridge Project

Virginia, United States

- ❖ Drill-ready exploration
- ❖ Year-round access
- ❖ Mining friendly jurisdiction



Thomas Ullrich – Chief Executive Officer, Director

Mr. Ullrich has over 20 years of experience in mineral exploration and geoscience. Before joining Aston Bay in 2016, Mr. Ullrich was Chief Geologist North America for Antofagasta Minerals plc, investigating the region's copper potential through extensive property evaluations and management of drill programs in Alaska and Canada. Prior to Antofagasta, he was Senior Geologist for Almaden Minerals, where he managed the drill program for the team's discovery of the Ixtaca Ag-Au deposit in Mexico. Mr. Ullrich also established the Ar-Ar geochronology lab at the University of British Columbia and studied the Candelaria Cu-Au mine, Chile, while at Queen's University. Mr. Ullrich also serves on the Technical Advisory Board for CopperBank Resources.



David Broughton – Chief Geologist, Storm and Seal Projects

Dr. Broughton is an acknowledged expert in sediment-hosted copper deposits with over 30 years' experience in mineral exploration. He was Geology Manager for Cyprus Amax's Kansanshi pre-feasibility project, now Africa's largest copper mine. From 2008 to 2016 he was Executive Vice President Exploration for Ivanplats, now Ivanhoe Mines. During his tenure, the world-class Kamoa Cu (Central African Copperbelt) and Flatreef PGE-Ni-Cu-Au (Bushveld Complex) deposits were discovered. He was co-awarded PDAC's 2015 Thayer Lindsley Award for International Mineral Discovery (Kamoa), and AME BC's 2016 Colin Spence Award for Excellence in Global Mineral Exploration (Flatreef discovery). Dr. Broughton is currently a Senior Advisor for Ivanhoe Mines. He received a BSc. (Hons) and an MSc. in Earth Sciences from the University of Waterloo and a Ph.D. in Geology from the Colorado School of Mines.



Donald Taylor – Advisor, Blue Ridge Project

Mr. Taylor is former Chief Operating Officer for Arizona Mining and the 2018 Thayer Lindsley Award winner for his discovery of the Taylor Pb-Zn-Ag Deposit in Arizona. Mr. Taylor has more than 25 years of mineral exploration experience with precious and base metals on five continents, taking projects from exploration to mine development. He has worked extensively for large and small cap companies, including BHP Minerals, Bear Creek Mining, American Copper and Nickel, Doe Run Resources, and Westmont Mining Company. He is a Licensed Professional Geologist in several eastern and western states and a qualified person as defined by National Instrument 43-101. Mr. Taylor has a Bachelor of Science degree in Geology from Southeast Missouri State University and a Master of Science degree from University of Missouri at Rolla.



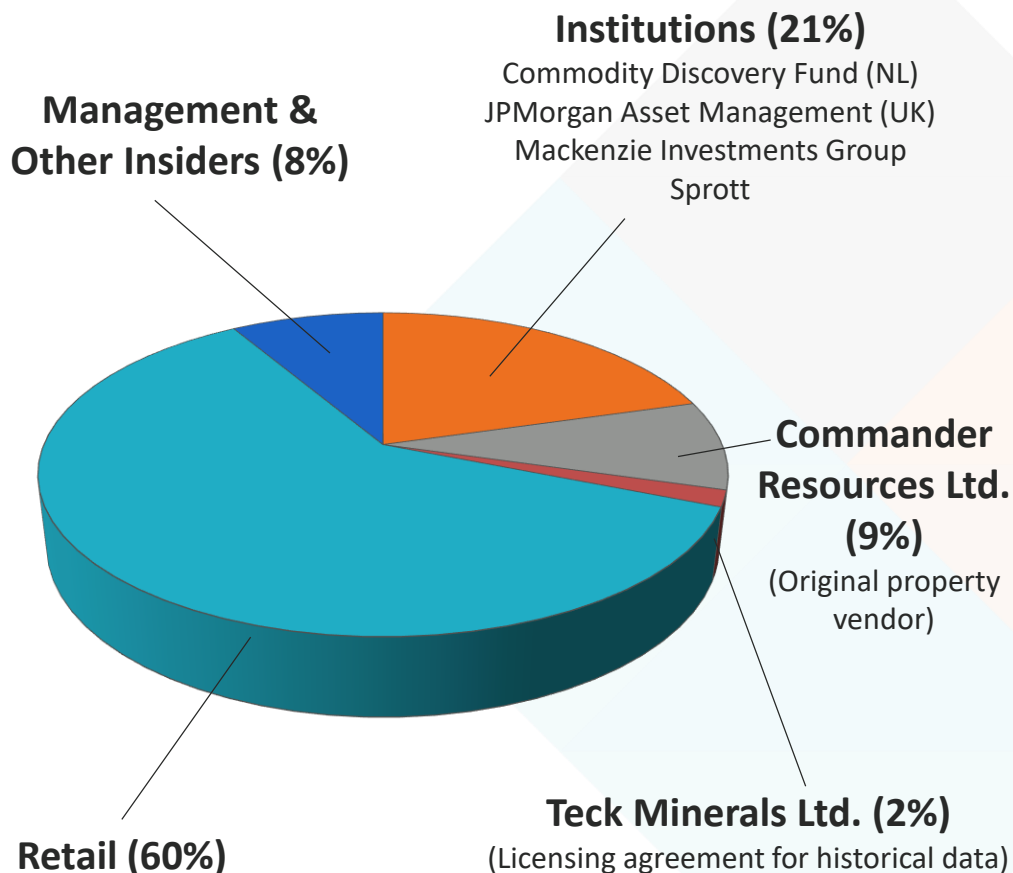
Sofia Harquail – IR and Corporate Development

Ms. Harquail has experience in both the private and public sectors of the mining industry. Over the last six years, she has worked as a consultant for the Prospectors and Developers Association of Canada and for exempt market dealer Red Cloud Klondike Strike Inc. Ms. Harquail holds an M.A. from the University of Uppsala in Sweden and received her CPIR designation from the CIRI/Ivey Investor Relations Program. She also sits on the board of the Young Mining Professionals Toronto and is CSC Certified.



Michael Dufresne – Consultant, Primary Geologist and QP, Director

Mr. Dufresne is the President of Apex Geoscience, an ~60-person geological consultancy. Mr. Dufresne has extensive experience with a wide range of commodities and types of deposits as well as involvement in a number of scientific government studies. Mr. Dufresne is a Professional Geologist with the Association of Professional Engineers, Geologists and Geophysicists of Alberta (since 1989). He is also a member of the Canadian Institute of Mining and Metallurgy, Geological Association of Canada, and Association of Exploration Geochemists. Mr. Dufresne obtained his M.Sc. in Economic Geology from the University of Alberta, and a B.Sc. in Geology with a minor in Chemistry, from UNC-Wilmington.



Shares Outstanding 129,570,854

❖ Warrants¹ 12,245,196

❖ Options² 9,592,500

Share Price \$0.07*

Market Cap \$9.07 M*

Cash \$0.6 M^

Debt NIL

Insider Ownership 8%

1. Warrant Details: Exercise price \$0.20 and expiring Q1/2 2020.

2. Options Details: 5,567,500 Average exercise price \$0.23 and expiring 2020-2024. 4,025,000 exercise price \$0.10 and expiring 2026.

* All prices CAD, dated Jan. 11, 2019.

^ Cash in CAD, dated Jan. 2019.

Aston Bay Property

Somerset Island, Nunavut, Canada



“The Aston Bay Property is a district-scale exploration play prospective for high-grade sediment-hosted Cu and Zn, in an attractive mining district with proven potential for world-class deposits. Outcropping high-grade mineralization at the Storm Copper prospect and Seal Zinc deposit belong to the same regional mineralizing event that formed Polaris, and past exploration has focused almost exclusively on these surface showings. The >1 million acre project area remains remarkably unexplored and Aston Bay is well-positioned to make the next major discovery in this district.”

Dave Broughton, Chief Geologist

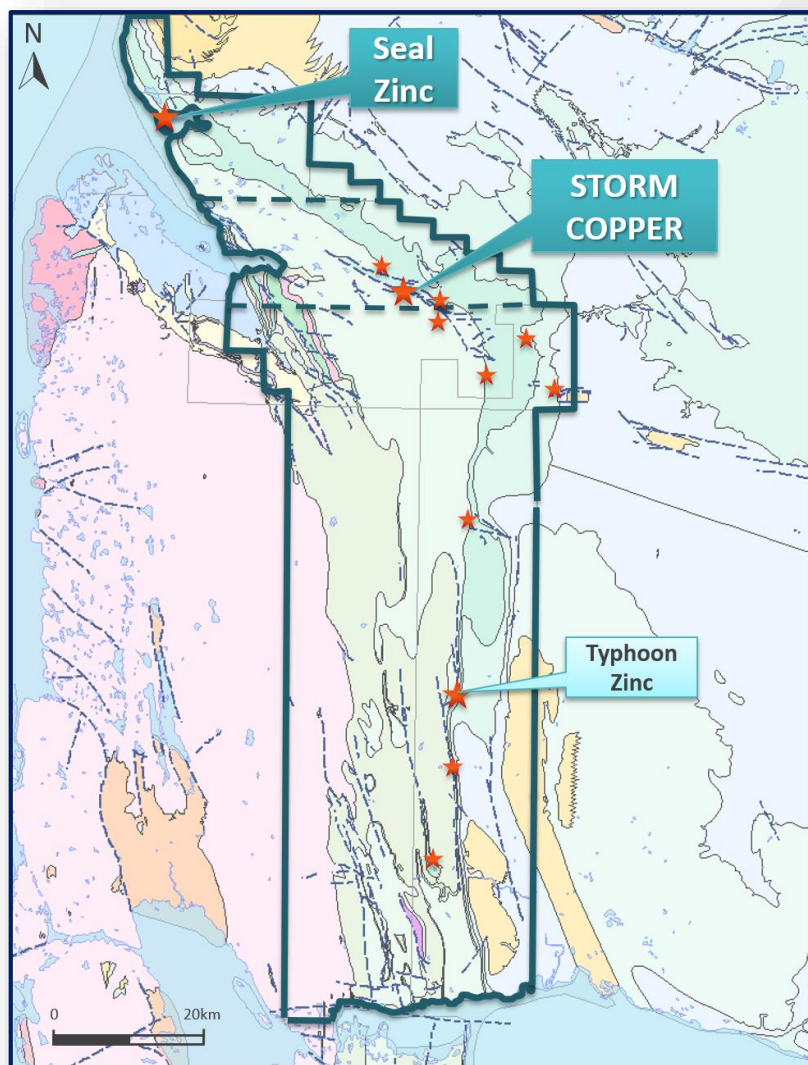
Blue Ridge Project

Central Virginia, United States



“The high-quality Virginia dataset and projects identified at the Blue Ridge Project have highlighted a very prospective base and precious metal terrane that remains under explored. Based on the early drill success within the terrane there are high expectations for a significant discovery. Current plans by Aston Bay are to follow up on that early success as well as expand exploration to investigate the numerous targets already generated.”

Don Taylor, Aston Bay Advisor



- ❖ 100% ownership >1,000,000 acre (4,145 km²) property
- ❖ Along strike from past-producing Polaris zinc mine (21Mt @ 14% Zn), *“Elephant Country”*
- ❖ High-grade copper and zinc mineralization at the surface confirmed in shallow drilling at **Storm Copper** and **Seal Zinc**
- ❖ Multiple Cu and Zn showings along >140km strike length of correlative host rocks

Storm Copper

**High grade, near-surface copper mineralization confirmed
by over 13,000 metres of recent and historic shallow drilling**

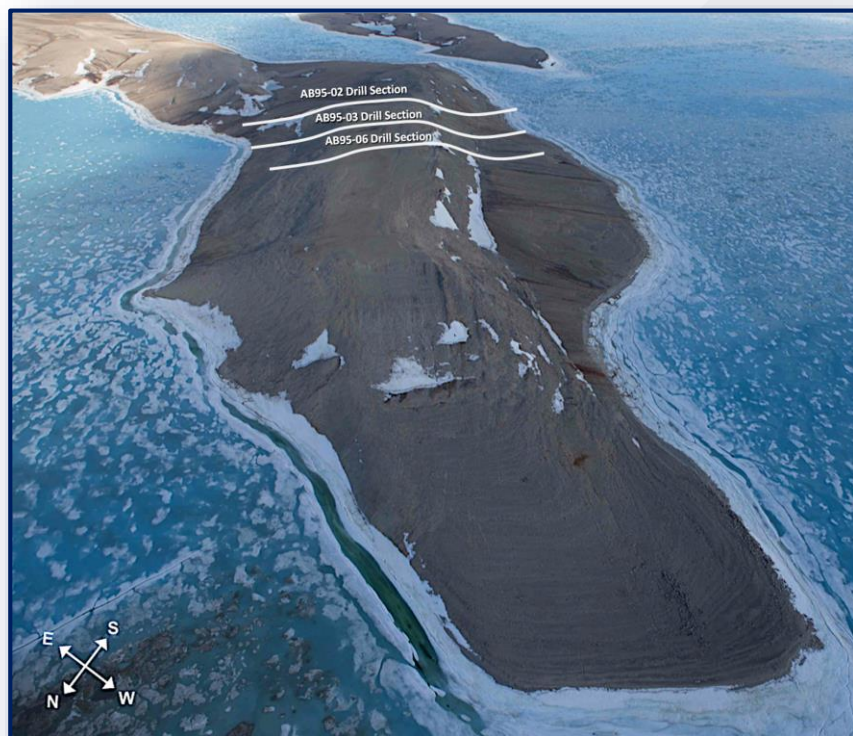


Storm Copper 2200N Zone

- ❖ Historic Highlights include:
 - 56.3m @ 3.07% Cu
 - 110.0m @ 2.45% Cu
 - 31.7m @ 2.08% Cu
- ❖ 2017 Exploration Program:
 - Airborne Gravity Survey
- ❖ ***2018 drilling targeted using new geologic model***
 - ***Copper signature identified***

Seal Zinc

Zinc and Silver at Surface, on Tidewater



- ❖ Steeply-dipping stratiform sphalerite + pyrite replacing sandstone matrix
- ❖ Nearby Storm copper mineralization produced an age of $378.1 \pm 1.3 \text{ Ma}^*$, within the range of uncertainty for the age of zinc mineralization at the nearby past-producing (20.1 Mt @ 13.4% Zn) Polaris mine at $374 \pm 9 \text{ Ma}^{**}$
- ❖ **2018 drilling outside of resource area**
 - **Zinc signature identified**

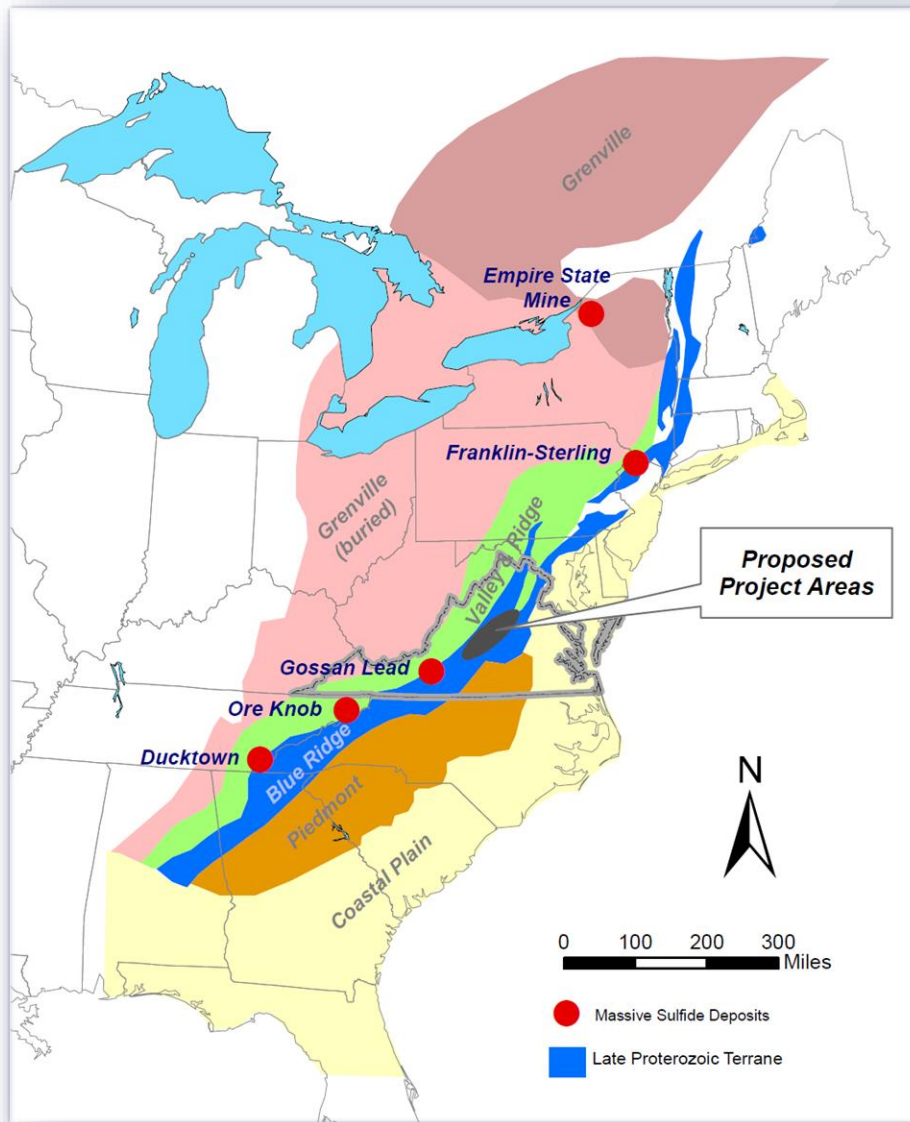
*(Stein, 2016)

** (Selby et al., 2005; Dewing et al., 2007)

Highlights of Inferred Mineral Resource Estimate @ 4.0% ZnEq Cut-Off (December 2017)

Tonnage Mt	Zn %	Contained Zn kt	Ag g/t	Contained Ag koz	ZnEq%
1.006	10.24	103	46.5	1,505	11.44

Geology & Mineralization



- ❖ Located within a Cu-Pb-Zn-Au-Ag mineralized sedimentary and volcanic belt prospective for sedimentary exhalative (SEDEX) or Broken Hill (BHT) type deposits
- ❖ Geologic extension of Carolina and Avalon Slate Belts – significant precious metal potential
- ❖ Significant historic highlights from drilling include:
 - 2.77% Cu, 0.94% Zn, 0.54% Pb, and 8.2 ppm Ag over 5 metres
 - 1.17% Cu, 5.23% Zn, 0.90% Pb, and 21.3 ppm Ag over 2.25 metres
 - 24.28 g/t Au and 7.21 g/t Ag over 2.59m

Dataset



- ❖ Airborne EM/Mag survey covering over 1.2 million acres
- ❖ Regional stream sediment survey coincident to the AEM survey, including
 - -80 mesh survey samples analyzed for 31 elements, and heavy mineral concentrate sampling identifying specific minerals of interest
 - multi-element soil grids over select targets
- ❖ Drill hole database
 - archival drill core and multi-element geochemical data from 20 diamond drill holes at area Cu-Zn-Pb prospects
 - assay data from multiple historical drill holes at area gold prospects
 - significant recent and historical drill intercepts with limited follow-up
- ❖ Numerous base metal and gold prospects identified through geophysics, geology & geochemistry
- ❖ Private land leases in advanced stages of negotiation

Q1 2019

- ❖ Blue Ridge Project
 - Completion of agreements and assembly of significant land package
 - Geological and geophysical interpretation
 - Proposed **drill program targeting precious metals**
- ❖ Aston Bay Property
 - Geological and geophysical interpretation

Q2/Q3 2019

- ❖ Blue Ridge Project
 - Initial program drill results
 - Proposed **continued drilling of base and precious metal targets m**
- ❖ Aston Bay Property
 - Drill targeting
 - Potential additional geophysics
 - Proposed **summer drill program**

For More Information

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