

# ASTON BAY

**Exploring for  
Copper and Zinc  
in North America**

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**September 2018**

**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.

## **Forward-Looking Statements (Safe Harbor Statement):**

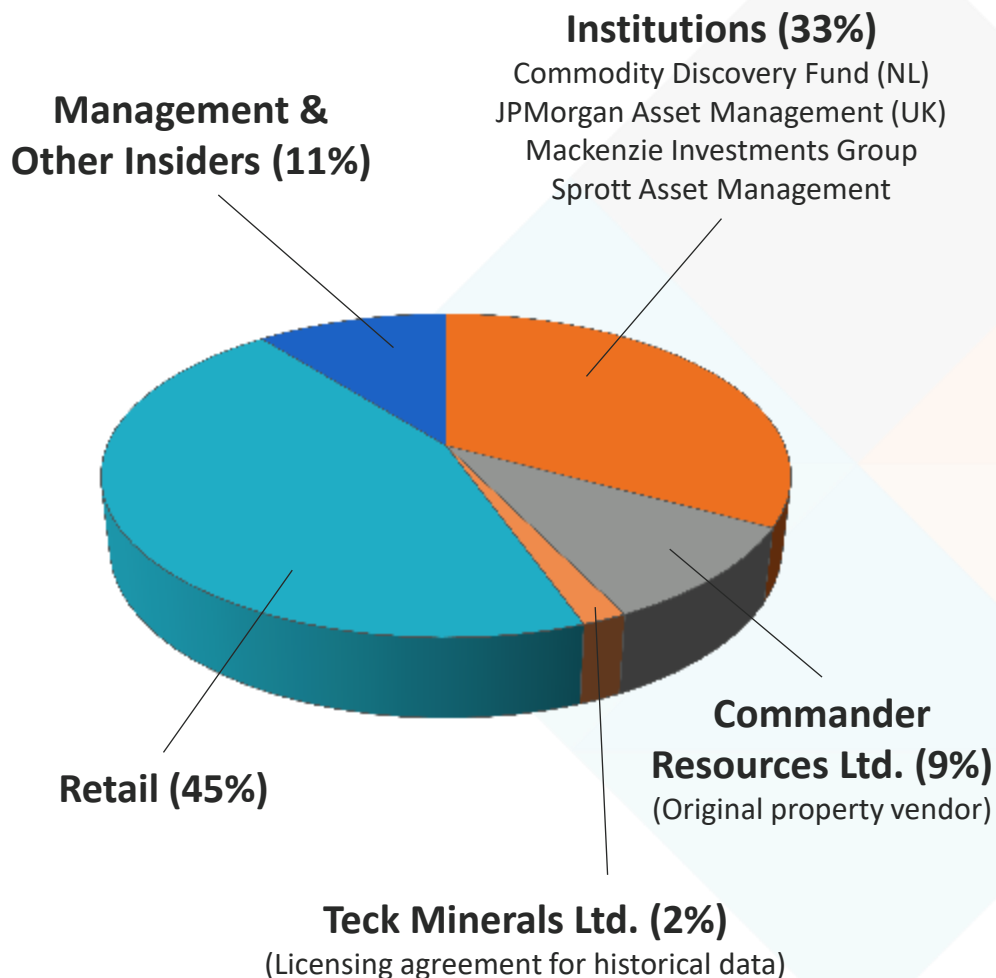
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## **Qualified Person:**

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.



<b>Shares Outstanding</b>	117,570,861
❖ Warrants <sup>1</sup>	17,935,648
❖ Options <sup>2</sup>	5,742,500
<b>Share Price</b>	\$0.115*
<b>Market Cap</b>	\$13.5 M*
<b>Cash</b>	\$1.3 M*
<b>Debt</b>	NIL
<b>Insider Ownership</b>	11%

\* All prices CAD, dated Sept 17, 2018.

1. Warrant Details: Average exercise price \$0.19 and expiring Jan. 2019 and March 2020.
2. Options Details: Average exercise price \$0.23 and expiring 2020-2024.

## **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

## **No Debt**

Market Cap ~13.5 M\*

## **Mine-proven discovery record supported by technical expertise and focus**

- ❖ Dr. David Broughton
- ❖ Donald Taylor

## **Institutional shareholders**

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



**Thomas Ullrich – CEO**

*Former Chief Geologist North America for Antofagasta Minerals, Senior Geologist for Almaden Minerals*



**David Broughton – Chief Geologist,  
Storm and Seal Projects**

*Award-winning geologist, responsible for discovery of Flatreef and Kamoakamoala Mines for Robert Friedland's Ivanhoe Mines*



**Donald Taylor – Advisor, Blue Ridge Project**

*Award-winning geologist responsible for discovery of the Taylor Deposit for Arizona Mining.*



## 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

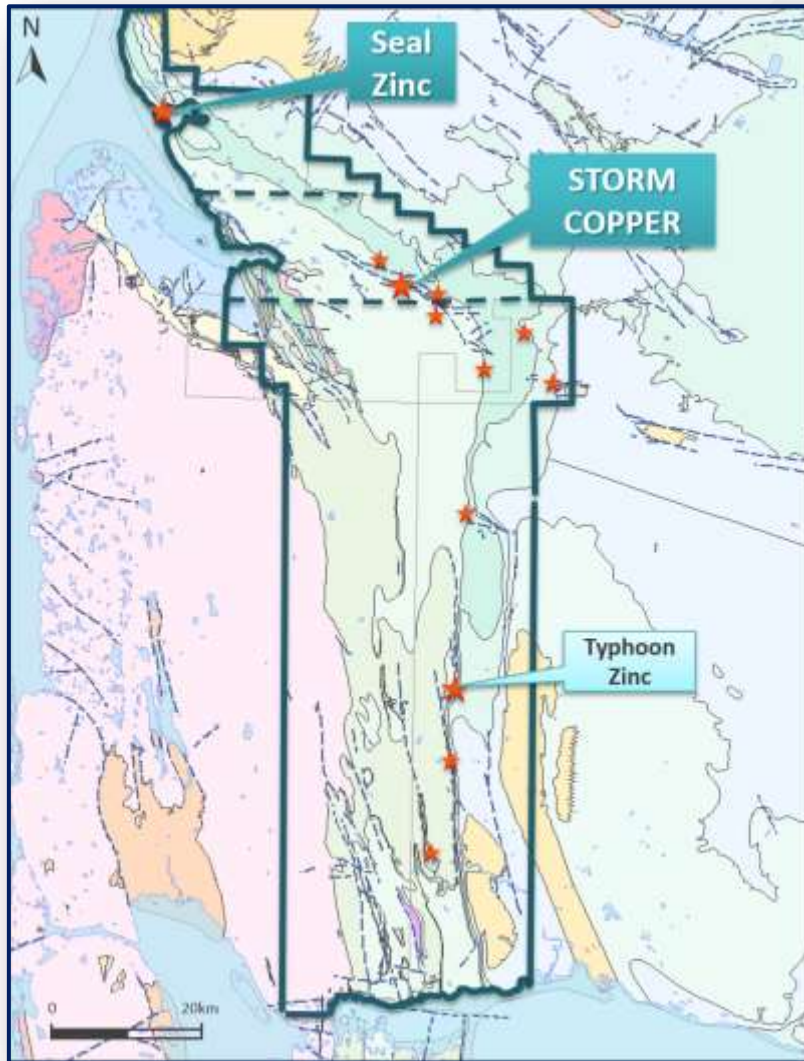
## Blue Ridge Project

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 km<sup>2</sup>) 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
- ❖ 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***
  - ***results pending***



## 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**
  - **results pending**

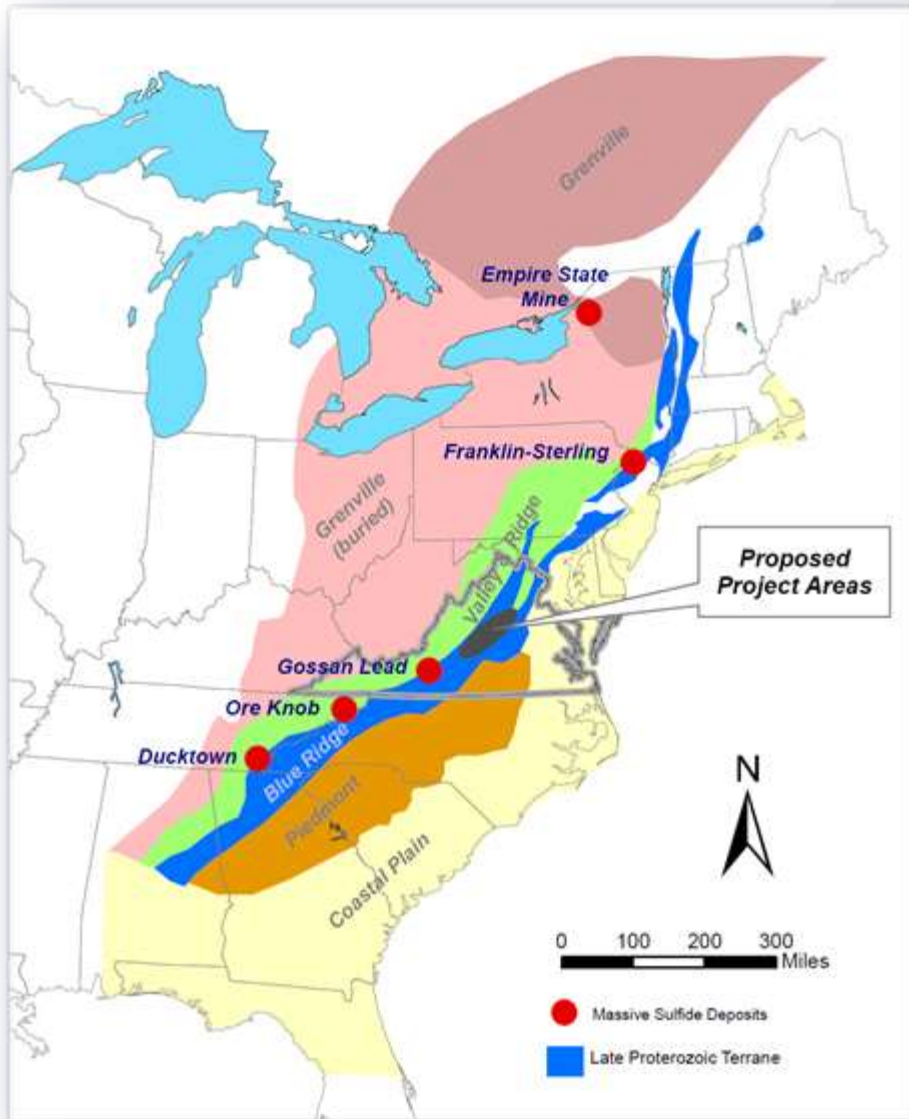
\* (Stein, 2016)

\*\* (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

## 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

## Q4 2018

- ❖ Blue Ridge Project
  - Jack Fork's acquisition complete
  - Geological and geophysical interpretation
  - Drill targeting: base and precious metals
- ❖ Aston Bay Property
  - 2018 exploration drill program results
  - Geological and geophysical interpretation

## 2019

- ❖ Blue Ridge Project
  - Proposed **winter/spring drill program**
- ❖ Aston Bay Property
  - Drill targeting
  - Potential additional geophysics
  - Proposed **summer drill program**

### For More Information

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