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Number of Volumes: 1

Enclosures (indicate number of each):

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- Diskettes: ________
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- Tapes: ________
- Transparencies: ________
- Paper Maps: ________
- Microfiche: ________
- Other: ________

Received: 2010/09/30

Comments: Pdf fwd’d to C. Saunders
2010/10/18

Signed: [Signature]
Date: Oct. 18/2010
1st Year Assessment Report  
Prospecting, Rock and Soil Sampling  
Long Harbour Property Eastern Newfoundland  
Lin. # 016098m(Ten Blocks)  
Map Sheet 01N/05  

Submitted by:  
Gary Lewis  

for:  
Brian Penny/ B A Minerals  

August 21, 2010  

Work year: 2009-10  
Total claims: 10  
Total expenditures: $3,936.45
1st Year Assessment Report
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## APPENDICES

App. I. Sample Assay Data
Introduction

The Long Harbour property consists of 10 claims and one licence # 016098M located in Eastern Newfoundland. The property was staked in 2009 for its gold, base metal and quartzite potential. The area has a large stockpile of phosphate enriched rocks in the form of tailings.

Location and Access

**Region:** Newfoundland (North East Corner)

**UTM Zone:** 22  **Easting:** 02 88 500  **Northing:** 52 57 000

**Elevation (m):** 0m - 60

**NTS Area:** 01 N/05  **Location Uncertainty (m):** 1.0

**ACCESSIBILITY**

This NTS sheet is located in the Bellevue area of the Avalon Peninsula. This area is accessible by the Long Harbour highway, as it cut the property. Exploration areas on the map sheet can be reached by overland traverses from the highway or the shoreline.

Long Harbour, a small coastal port and fishing community was the former site of the Long Harbour Phosphate Plant. It can provide accommodation and supplies. Supply ships operate along the coast year round and can bring in fuel and equipment from the world.

**Physiographic Setting**

Much of the area is hilly, ranging from dominant gentle slopes to steep hillsides and cliffs, generally with a north-east trend which reflects the underlying stratigraphic and structural trends. The area consists of rounded bluffs and ridges separated by broad, bog-filled valleys. Very little overburden obscures the outcrops in the area.

The region is forested with spruce and balsam.
Figure 1
(Location Map)
Figure II
(Property Geology)
Page 3
Previous Work

The regional geology of the Argentia area has been described by McCartney (1955, 1967). In 1965, the Mineral Resources Division of the Department of Mines, Agriculture and Resources carried out reconnaissance mapping and sampling of the quartzite deposits in the area. Detailed mapping followed in 1966. During 1965 and 1966, fifty-three diamond drill holes totalling 2495 m were drilled by the Division. Newland Enterprises Limited, a subsidiary of Armand Sicotte & Sons Ltd. was incorporated in 1967 to carry out quarry operations, which it did from 1968-1976 under contract to ERCO. In 1976, ERCO formed its own company, Dunville Mining Company Limited to supply their needs. This same year the company began supplying 'fines' to North Star Cement of Corner Brook. As of January 1, 1988, ERCO Industries Ltd. changed its name to Albright and Wilson Americas. Albright and Wilsons use silica as a metallurgical flux for their phosphorus reduction plant in Long Harbour. The company requires about 136,000 tonnes of silica a year. The quarry continues to operate on removing the 'hillocks' of quartzite. Thirty silica deposits exist in the lease area.

Albright and Wilson closed the Long Harbour Phosphorous Plant in 1989, consequently, production at the Villa Marie Silica Quarry ceased. The sandstone in the area have been the focus of red bed copper type deposits.

Geology and Mineralization

Geological Province: Appalachian
Tectonic Zone: Avalon
Stratigraphic Unit: Random Formation
Geological Age: Cambrian (undifferentiated)
Rock Type(s): Quartzite and Sediments

The Avalon Zone is the easternmost tectonostratigraphic element of the Appalachian Orogen exposed in Newfoundland. In general, the geology consists of a sequence of late Proterozoic volcanic and associated sedimentary rocks overlain by both marine and continental sedimentary rocks of late Proterozoic age. The Precambrian sequence is overlain by shallow water to terrestrial sedimentary rocks of lower to mid-Paleozoic age. The entire sequence has been intruded by plutonic rocks ranging in age from late Proterozoic to Carboniferous.

The Random Formation, part of the Avalon Zone platformal sequence, is bounded by regional disconformities in most areas. Extensive folding throughout the zone has resulted in numerous repetitions of the quartzite unit and the development of a northeast plunging syncline.
Prospecting 2009-10

Six man days were used to prospect on the Long Harbour property which was conducted in 2009-10. Prospecting traverses were done over some of the property as access became restricted by Inco. Rock Samples were taken on various locations. Soil samples were also taken at each sample location and later panned for gold but none was detected. A boat was also used to evaluate the shoreline of the property. Only one sample showed elevated copper values. The area is mostly red to green sandstone but does host some volcanic rocks. We were also looking for quartzite deposits in the area but none was located. It is the author’s opinion that the area has potential for copper mineralization plus quartzite deposits.

The stockpile of phosphate enriched rock will be checked for its potential but access was restricted on our last visit.

Conclusions and Recommendations

A wide grid of soils should be ran over the property along the strike of the contact of the volcanics with the sediments. The brooks and lake should have more detail sampling. The area has great potential for other large quartzite deposits. The area could host a sedimentary Cu deposit much like Corner Stone were exploring for in the Belt..
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**Figure II**

(Sample Location Map)

Page 6

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Anderson, M M

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Bengtson, S and Fletcher, T P

Butler, A J and Greene, B A

Hiscott, R N

McCartney, W D
1956: Argentia, Newfoundland. Geological Survey of Canada, Paper, No. 55-11 [GSB# 001N/05/0056]

McCartney, W D
III. SUMMARY OF WORK 2009-10
(Expenditures)
Licence `0160987M

__________________________

Trips
Travel by truck

3 man days @ $100/day  400.00
4 man days @ $300/day  1200.00
Meals for 7 man days @ $40/day  280.00
Fuel for 1 trips @ $500/trip  500.00
Fuel for 1 trips @ $200/trip  200.00
Accommodations 2 days@ 116.50  233.00
Ferry  30.00
Boat Rental @ $60/DAY @ 1 days  60.00
Report Fee  200.00

Assays
(Eastern Analytical)
8 @ ICP30 & Au $40.00  320.00

Sub - Total  $3,423.00
Administration costs15%  513.45
Total  $3,936.45