Report on Additional
Stripping in the
Waldman North Area
Claims 1212226 & 3007689
Gillies Limit North Township

**Assessment Report for Cabo Mining Enterprises Corp** 

S. Sears July, 2006 2 32685

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#### INTRODUCTION

A stripping program was completed on the area north of the Waldman Shaft in Gillies Limit North Township. The initial 100 metres of this stripping was reported upon in an earlier report (Sears, June, 2006). The work program is designed to expose Cobalt Type vein zones similar to the Waldman Ag/Co/BM Mine. This report presents the results of excavating completed between June 18<sup>th</sup> and June 27<sup>th</sup>, 2006 as well as the results of geological mapping of the stripped area. The mapping was carried out by Seymour Sears with assistance from Joan Barry and Alan Kon (Sears, Barry & Associates Ltd.). The work was completed on behalf of Cabo Mining Enterprises Corp. The Waldman area is located approximately two (2) km south of the town of Cobalt (Figures 1 & 2).

#### PROPERTY DESCRIPTION & ACCESS

One of the stripped areas lies along the claim boundary between claim # 1212226 and 3007689 and the other lies entirely within claim # 1212226 (approximately 80% on 1212226 and 20% on 3007689). These claims are located in the extreme north part of Gillies Limit North Township, Larder Lake Mining Division (Fig 2).

Access is via the Coleman Road that departs eastwards from Highway 11A at the south western end of the town of Cobalt for 1.5 km and for 1 km south along the Houndchutes Road (a Hydro Dam access road).

### **GEOGRAPHY**

Maximum relief in the area is approximately 20 metres. Topography is generally rolling with local steep ledges and cliffs and occasional swamp. The eastern side of the property drains into Giroux Lake while the western side drains westwards into a small creek, both of which drain into Giroux Creek. This creek flows southward and westward through the area mapped and into the Montreal River.

Overburden is relatively shallow over much of the area except for local swamps. Vegetation consists mainly of mature mixed forest with abundant dense underbrush.

#### **EXPLORATION HISTORY**

The northern part of the Waldman area was first explored in 1909 by Waldman Silver Mines Ltd. who sunk a shaft (85') and commenced production in 1910. Additional production was attained in 1918, 1919 and 1930. Two other shafts (110' & 105') and a total of 4000 feet of underground drifting and x-cutting was completed on this prospect, including work in 1948 and 1955. In 1944 and 1949, Waldag Mining Co. Ltd. is reported to have completed 33 drill holes (in excess of 10,000 feet) although not all logs are available. No assay results were reported. In 1978, Teck Corp completed a ground Mag and VLF-EM survey over part of the claims.

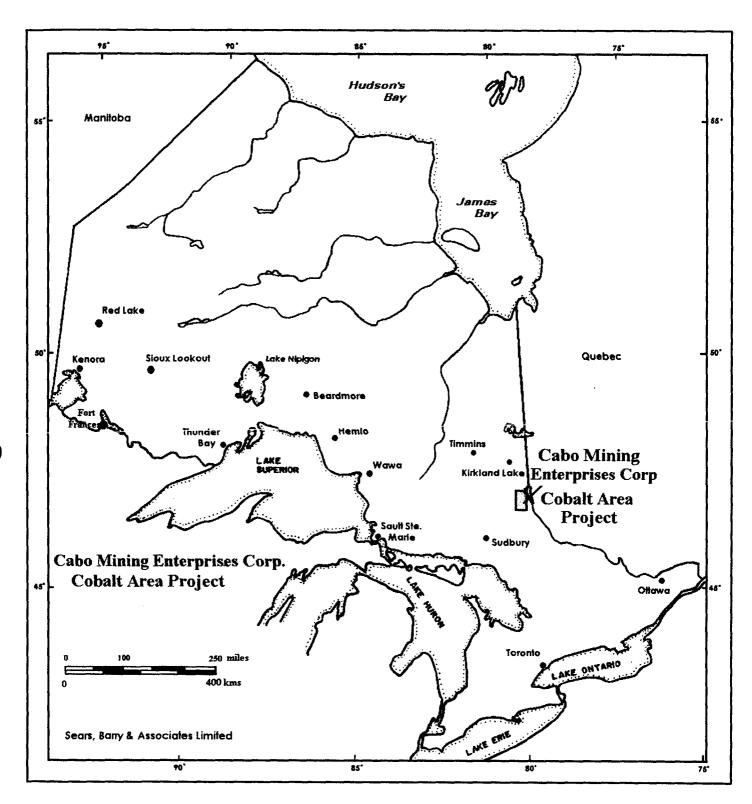
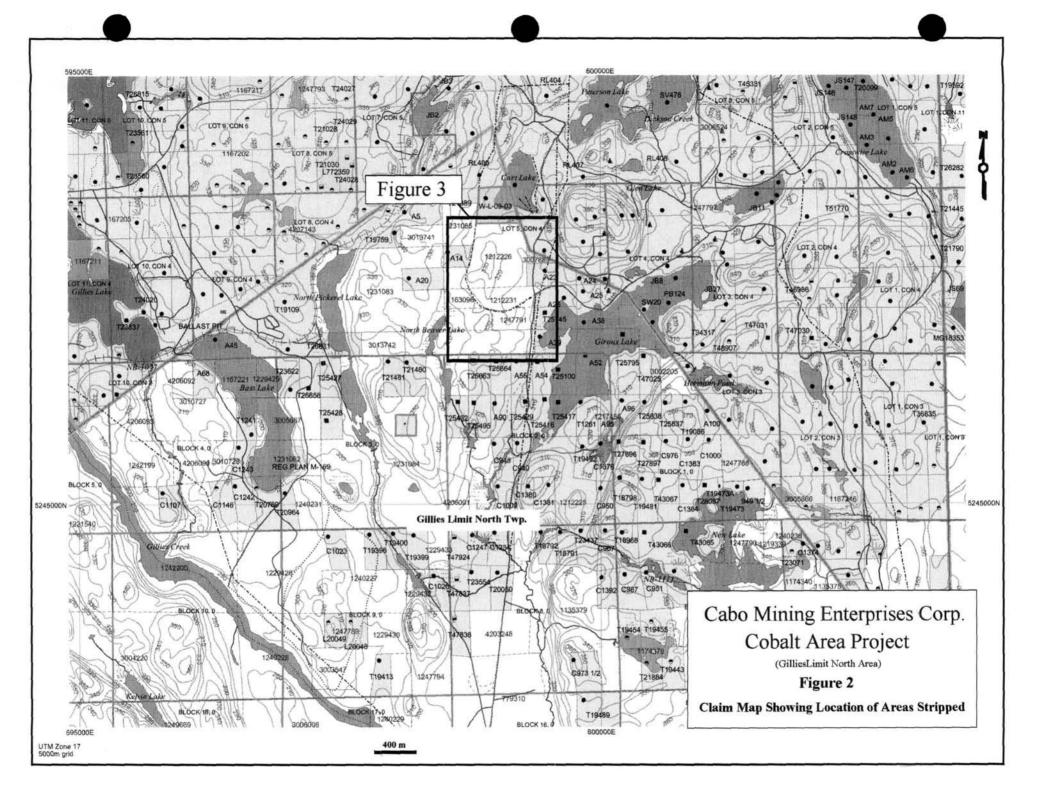


Figure 1: Regional Location Map of Ontario



There are a number of old pits and trenches as well as part of a tailings impoundment area located on claim 3007689, but it is not clear who completed these nor when the work was carried out...

Cabo Mining Corp. (the predecessor of Cabo Mining Enterprises Corp.) completed two drill holes for 237.2 metres, beneath the Waldman shaft in 1999 (Sears, 2000), a stripping program south of the Waldman shaft in 2004 (Sears, 2004) and a fence of drill holes south of the Waldman Shaft in 2004 – 2005 (Sears, 2005). In June, 20006, Cabo Mining Enterprises Corp. commenced this stripping program. The results from the first part of the work (up to June 17, 2006) were reported in an earlier assessment report (Sears, June, 2006).

# REGIONAL AND PROPERTY GEOLOGY

The area is located in the southern part of the main Cobalt mining camp. The stripped area exposes the contact between an inlier of Archean Mafic volcanic rocks, and Huronian aged Coleman Group conglomerate (Gowganda Formation). Previous geological mapping (Thompson, 1963) indicates that a Nipissing diabase sill is exposed approximately 200 metres to the east of the stripped area. This sill may have once overlain the stripped area, a geological setting that is similar to that in the immediate Cobalt Lake area two kilometres to the north.

The Waldman Mine is reported to have produced 33,525 oz of silver and 2066 lbs of Cobalt between 1918 and 1919 (Sergiades, 1968). The Mineralization was hosted by calcite and quartz breecia veins hosted within Archean volcanic rocks.

#### **WORK PROGRAM AND RESULTS**

An excavator and operator were contracted from Lathem Construction Limited of Haileybury, Ontario. The stripping originally commenced on June 13, 2006. This report, however, includes the results from stripping that was carried out between June 18<sup>th</sup> and 27<sup>th</sup>. The stripped rocks were cleaned manually and washed with a Honda Pump by a crew of three to ensure good exposure of the bedrock.

The stripped area reported upon earlier (Sears, June, 2006) starts at the # 3 post for Claim 3007689 (this post is approximately 50 metres northeast of the Waldman #1 shaft) and extends north along the claim boundary between claim 3007689 and claim 1212226 for approximately 100 metres. The area that is subject of this report includes the continuation of the work reported earlier from approximately 100 north to 250 north along the claim line. In addition, a second area was stripped approximately 100 metres west of the claim line totally within claim 1212226. The total area stripped is approximately 2353 square metres, including the 700 square metres completed prior to this report (1653 square metres in this report).

The area was mapped on July 7<sup>th</sup> and 11<sup>th</sup>, 2006 by S. Sears and J. Barry. The following table presents rocks observed in the grid area.

## Table of Lithologies

## **HURONIAN**

# Unit 6) Coleman Group Sediments

- 6a) Conglomerate; heterolithic clasts are fine to coarse, densely to very sparsely distributed, and rounded to angular; layering is very difficult to identify;
- 6b) Greywacke; relatively fine grained, distinct chlorite spotting; in some instances may be a regolithic zone but generally occurs as interbeds and irregular patches within the conglomerate unit; relatively massive (unlayered) and gently dipping.

### **PRECAMBRIAN**

- Unit 1) Intermediate to Mafic Metavolcanic Rocks: Pale grey to dark green; fine to medium to coarse grained; massive to pillowed; placed in two subtypes:
  - 1a) Massive Flows: generally dark grey green, medium to coarse grained; may in some instances be gabbroic intrusive rocks; rare pyrite as coarse patches.
  - 1b) Pillowed Flows: typically light grey green to dark green; fine to rarely medium grained, pillows from 20 cm to several metres in size; margins locally contain chlorite, calcite, pyrite; These rocks occur in the west part of the lowermost outcrop on Figure 4.

Figure 3 (Scale 1:5000) shows the claims and the Waldman Shaft area and the approximate locations of the stripping. Plans of the stripped areas showing preliminary geology are presented as figures 4 and 5 (Scale 1:200).

The most interesting structure exposed is a breccia vein (narrow, irregular quartz veining with associated chalcopyrite) located in the most westerly stripped area (Figure 5). The eastern end of this exposure displays intense chloritic alteration. The chlorite appears to form most of the matrix to silicified fragments that may be localized near the contact between the Coleman conglomerate and the underlying Archean mafic volcanic rocks. All of the rocks in this area display varying intensities of "chlorite spotting" (an alteration feature that is commonly associated with Cobalt Type Ag-Co mineralization)

## **CONCLUSIONS AND RECOMMENDATIONS**

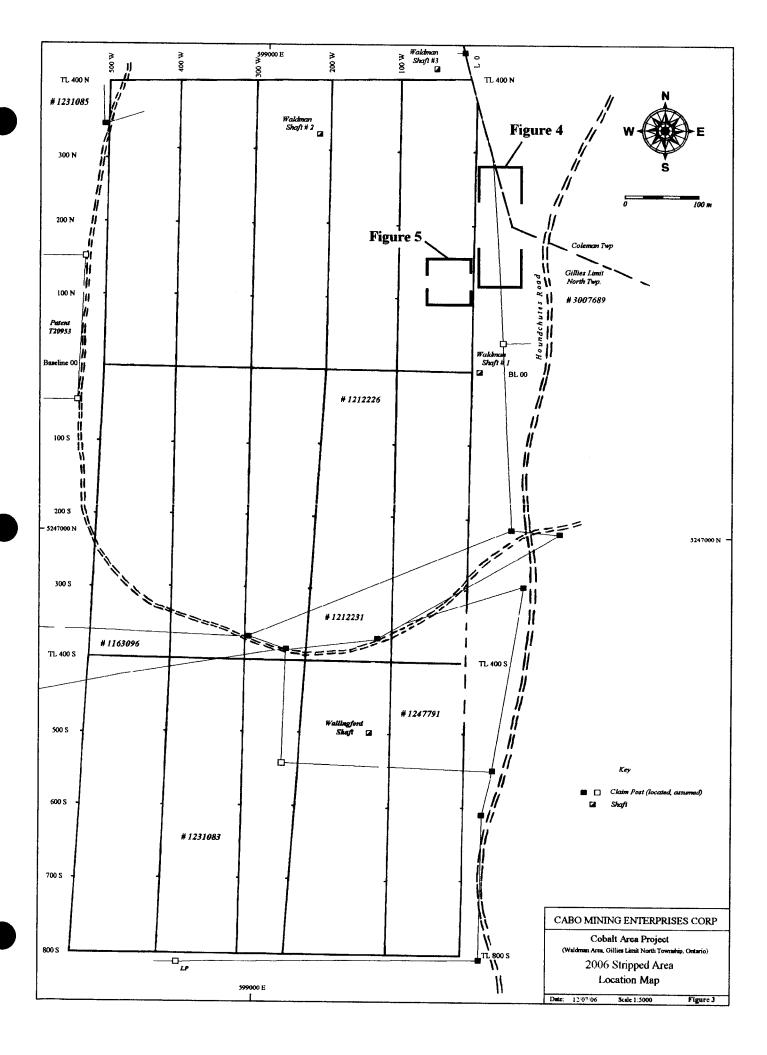
The stripped area is primarily underlain by Huronian conglomerate and minor greywacke (members of the Coleman Group). Archean pillowed mafic volcanic rocks and fine grained massive mafic flows occur in the extreme southern end of the area included in this report (south

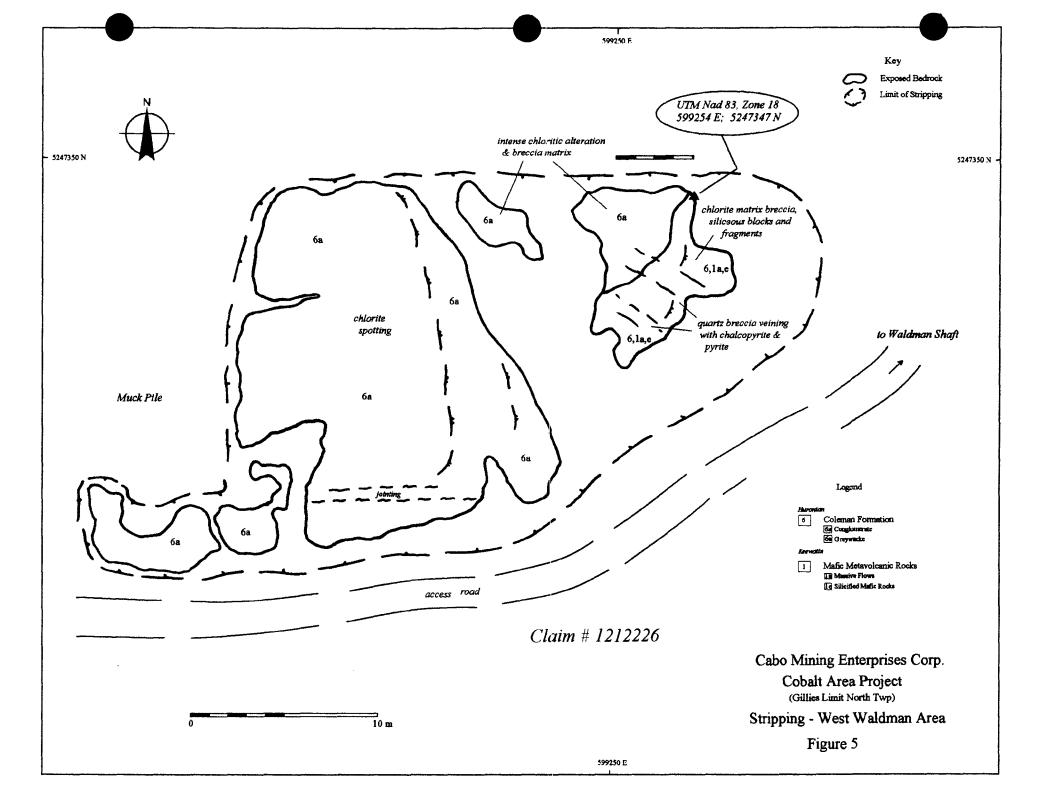
part of Figure 4). The Coleman group appears to be relatively thin in this area although narrow fractures may reflect faulted blocks that may have existed in the underlying Archean volcanic rocks.

The area would benefit from a very detailed geological mapping of the stripped areas and the surrounding area. There are extensive trenches and pits in this part of the property. Detailed channel sampling is currently being completed over any areas containing sulphides.

Respectfully submitted,

Seymour Sears, P.Geo.





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