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H&H Enterprises Ltd

PO Box 1240, Wabush, NL

AOR 1B0

**ENVIRONMENTAL ASSESSMENT
REGISTRATION DOCUMENT**

Proposed Rock Quarry

Labrador West

Prepared by;

Ed Montague, P.Geo

For

H&H Enterprises

Wabush, NL

March 2013

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1.0 Name of the Undertaking: Woodford East Rock Quarry

2.0 Proponent: H&H Enterprises Ltd

Address: P.O. Box 1240
Wabush, NL
AOR 1B0

President: Roy Hunt (709) 280-0020

Field Supervisor: Gerald Woodford (709) 282-3453

Contact Person: Gerald Woodford (709) 282-3453

3.0 The Undertaking

a) Nature of the Undertaking

The proposed project involves the development of a rock quarry, located approximately 0.5 km south of km 34 on Route 500 (Trans Labrador Highway). The site is accessed via the Trans Labrador Highway. There is no existing access road to the project area, a distance of approximately 0.5 km. The proponent proposes to develop the area as an open pit quarry operation to produce crushed rock for the construction industry and as ballast for the QNS&L Railway in Western Labrador.

b) Purpose/Rationale/Need for the Undertaking

The purpose of this project is to produce a product for future use as raw material for construction, mining and commercial use in Labrador West. With the expansion of mining operations in Labrador City and the opening of new mines

and railroad in the area, a significant demand for an increase in production of this material is anticipated.

4.0 Description of the Undertaking

Geographic Location

The project is located on a prominent hill side approximately 14 km east of Labrador City at km 34 on Route 500. Labrador City/Wabush is the site of the mining operations of Rio Tinto Iron Ore (IOCC) and Wabush Mines. The location is shown on NTS Map Sheet 23B/15, UTM Zone 19.

Physical Features

Project Site Description:

The principal feature of the site is a very prominent bedrock hillside. Processing of the material will consist of drilling, blasting, crushing and screening. The quarry boundaries are sited to ensure a 500 meter buffer zone from Route 500, the principal landmark in the area.

Existing Biophysical Environment

The proposed site is located in an area of rock and black spruce forest and interspersed with occasional marshy areas. The only water body of note within 5 km of the site is Moosehead Lake, approximately 1.5 km northwest of the site. Most of the summits of the surrounding ridges are barren due to the harsh winter climate which has short warm summers and cold winters which lasts from October to April. Summer temperatures can reach 30 degrees while winter daytime temperatures average around minus 20 during December, January and February. The colder temperatures in this area as compared to Goose Bay near

sea level is due to the higher elevations and the prevailing northwest winds that flow in from Ungava Bay.

Vegetation

The area of the proposed quarry is sparsely wooded with black spruce and occasional small ponds and marshy areas. The only water course in the vicinity is the creek that drains Moosehead Lake, 2.5 km distant. The largest lake in the area is Moosehead Lake, approximately 4 sq km in extent. There is a small pond and minor drainage (that dries up in the summer), 500 meters west of the site.

Inland Fish

The creeks flowing in and out of Moosehead Lake has occasional pan fry trout and occasional lake trout in the deeper waters. Very few local fishermen visit the area.

Wildlife

Occasional black bears roam the region but are not overly abundant. The George River caribou migrate further to the east but are not abundant in recent years. There are the usual population of foxes and martens that are trapped by local hunters.

Construction

The construction phase of site development will consist of construction of an access road of 500 meters, clearing of trees and grubbing of the topsoil from the hillside and preparing the site for operations.

Clearing and Grubbing

Any merchantable timber removed during quarry development will be salvaged. There is no topsoil on the hill except caribou moss.

Site Development

The proposed quarry site covers a total of 5 hectares; the greater part of this will be the stockpile and crusher areas. Initial construction activities will involve the removal of vegetative cover as described to advance the working face. Any topsoil removed from the lay down area will be salvaged for future use.

5.0 Potential Sources of Pollution During Construction

The construction phase of the development will consist of earth and rock moving activities. The potential sources of pollution include site drainage, noise, air emissions, waste and litter and potential release of hydrocarbons.

Site runoff will be directed to the lower vegetative areas which will filter suspended solids. In addition, barriers will be installed as required to prevent siltation of any nearby water bodies/streams.

Domestic waste generated during construction and operations will be collected and disposed of at the Labrador West Landfill Site as per the Waste Materials Disposal Act.

All equipment will have appropriate emission controls. All vehicles will follow a designated project route and will be properly maintained to minimize noise. All vehicles will have exhaust systems regularly inspected and mufflers operating properly. There is a government inspector in the area that makes regular spot checks on heavy equipment.

Petroleum products will not be stored on site during construction; petroleum products will be handled as per Storage and Handling of Gasoline and Associated Products Regulations under the Environmental Protection Act.

6.0 Operations

Typical excavation methods will be employed to collect the commercial materials at the proposed site. The operation will include drilling, blasting excavation and loading of the materials at the working face of the quarry, crushing and screening,

and transportation of these materials for use off-site in Labrador West. Waste and oversized rock will also be stockpiled for future use.

The drilling and blasting operations at the quarry site will be sub contracted out to qualified companies that are located in Labrador West. These companies are registered to perform in the province and are well versed in the required health and safety procedures. There will be no storage of explosives at the quarry those materials will be stored at the registered explosive depot near Labrador City.

Appropriate ditching will be maintained on site to ensure silt and general site run-off is controlled and does not adversely affect the surrounding environment. In addition, perimeter ditching and settling basins, as required, will be located to prevent migration of surface water drainage from non-operating areas. The ground and facilities will be maintained according to health and safety regulations.

Equipment on site will include the following:

- Airtrac percussion drill and compressor
- Excavators (access road construction and loading at the working face)
- Tandem dump trucks (material transport)
- Front end loaders (material handling)
- Mobile crusher and screener for material processing

The quarry operation will typically run from May to October, or in accordance with demand for the product. The quarry will potentially operate for ten years.

7.0 Termination of Operations

Site rehabilitation shall be in accordance with standard quarry operations. Upon completion of quarry activities, all rock faces shall be line drilled at an angle approved by government inspectors from the Department of Natural Resources. The laydown and stockpile areas will be graded to an acceptable level surface.

8.0 Occupations

Site construction and operations for the proposed quarry will include the following occupations classified as per National Occupation Classification, 2006

Construction Phase

- 1 Site Foreman/Supervisor (7217)
- 2 Heavy Equipment Operator (7421)

Operations phase

- 1 Quarry Manager (0811)
- 1 Quarry Foreman/Supervisor (8221)
- 4 Heavy Equipment Operators – 2 front end loader, 2 crusher (7412)
- 5 Truck Drivers (7411)
- 2 Heavy Equipment Mechanics (7312) – located offsite
- 1 Driller and blaster (contracted)

9.0 Project Related Documents

There are no project related documents.

10.0 Approval of the undertaking

- Environmental Protection Act – Assessment Regulations: Permit to Proceed
- Quarry Materials Act and Quarry Minerals Regulations: Quarry permit

11.0 Schedule

Registration Document Submission - March 2013

Government Review and Decision - April 2013

Access Road Upgrades - May 2013

Pit Operations - May 2013

12.0 Funding

The funding for the project will be provided by H&H Enterprises Ltd.

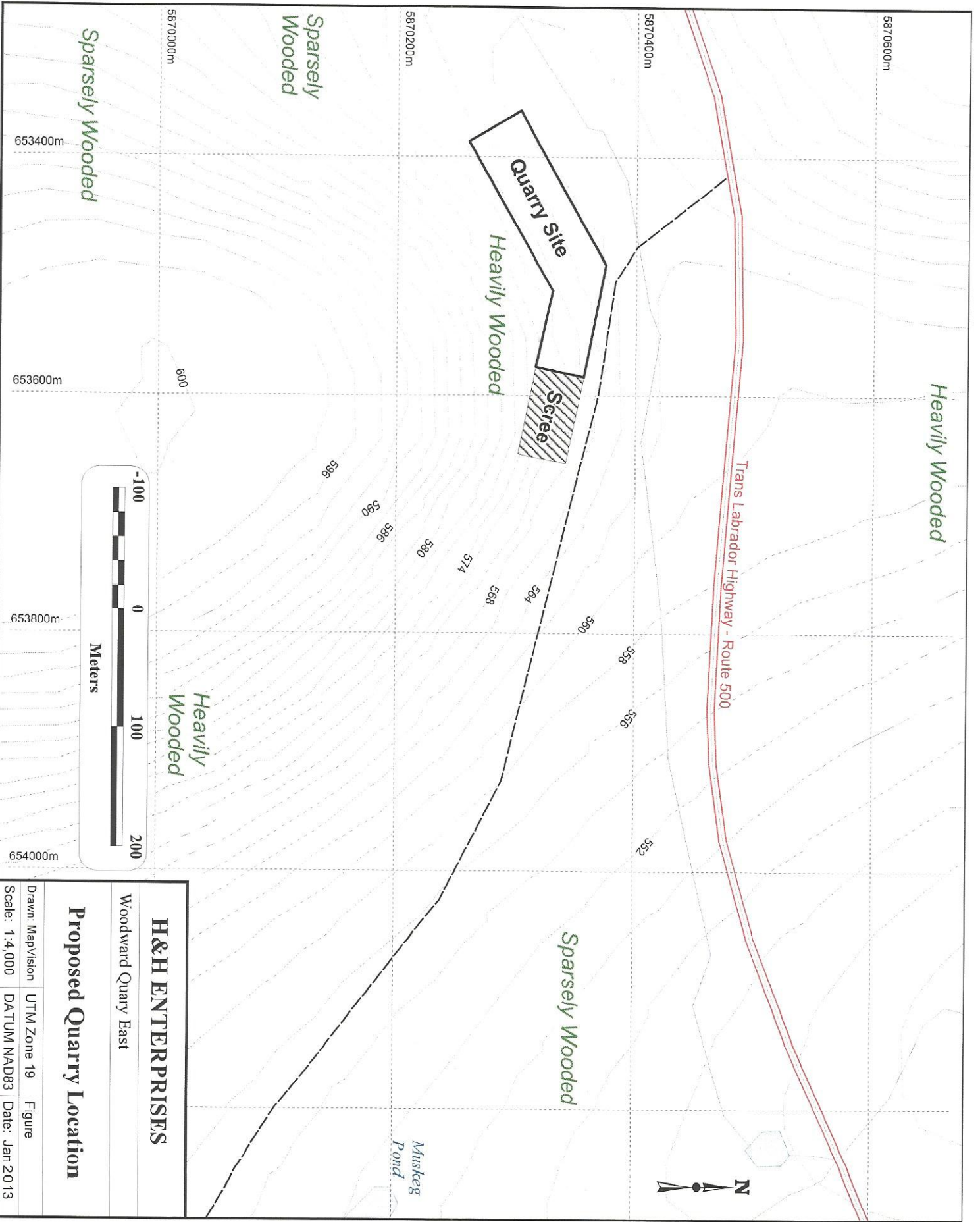
13.0 Submission

March 18, 2013

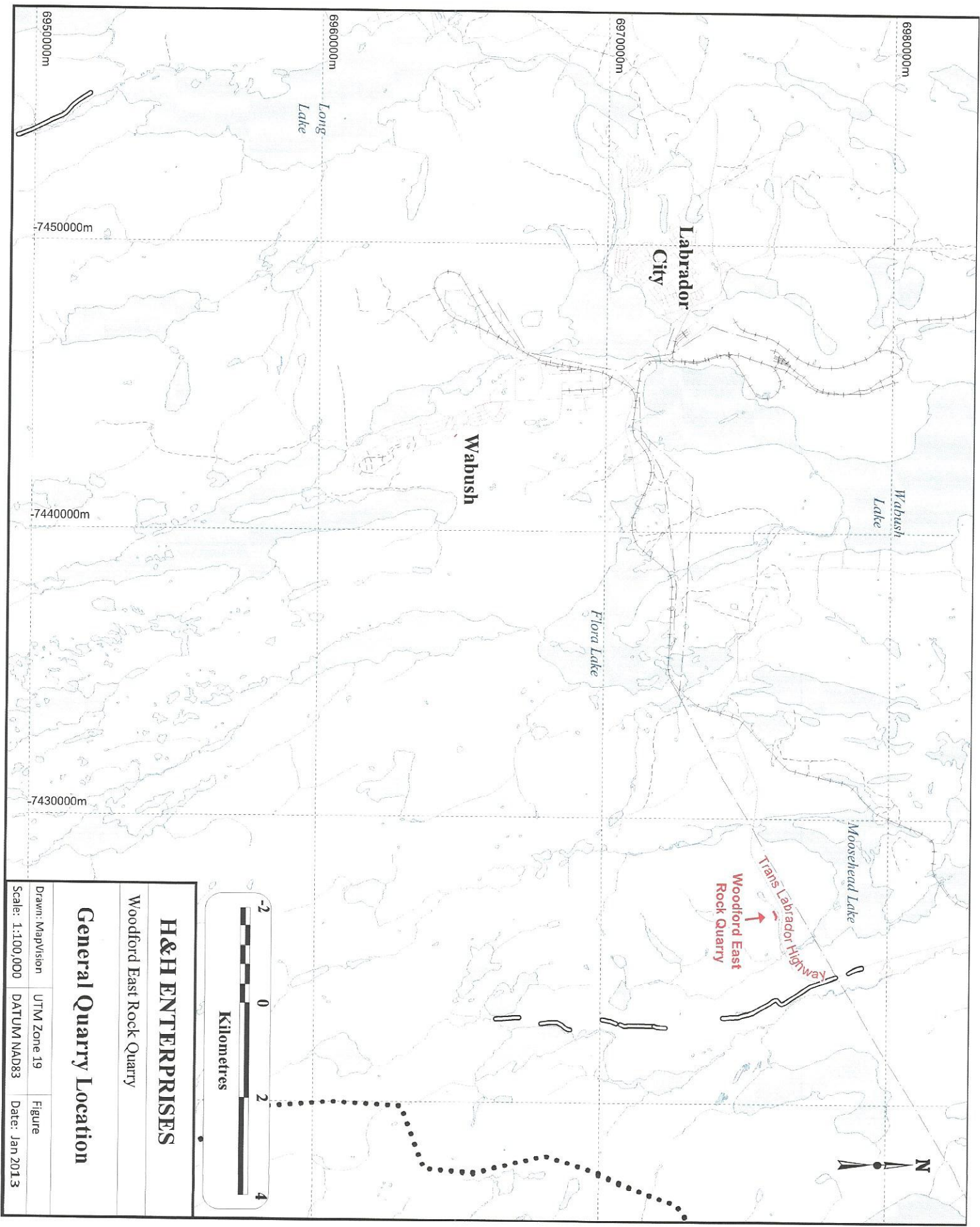
Gerald Woodford

Date

Name: Gerald Woodford



H&H ENTERPRISES			
Woodward Quarry East			
Proposed Quarry Location			
Drawn: Map/Vision	UTM Zone 19	Figure	
Scale: 1:4,000	DATUM NAD83	Date: Jan 2013	



H&H ENTERPRISES		
Woodford East Rock Quarry		
General Quarry Location		
Drawn: MapVision	UTM Zone 19	Figure
Scale: 1:100,000	DATUM NAD83	Date: Jan 2013