

***Bryan F. Borland***

**39 Thirteen Mile Crossing**

**Bishop's Falls, NL A0H 1C0**

**(709)-258-6797**

**Environmental Assessment  
Registration Document**

**Proposed Sand, Gravel and  
Borrow Material Quarry  
3 km Southwest of Peter's Pond,  
Exploits District**

**Prepared by:**

**Bryan Borland**

**March 21, 2012**

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### **1.0 Name of Undertaking:**

Bryan F. Borland – Sand, Gravel and Borrow Material Quarry

### **2.0 Proponent:**

Name: Bryan F. Borland  
Address: 39 Thirteen Mile Crossing  
Bishop's Falls, NL A0H 1C0  
Owner/Contact: Bryan Borland (709)-258-6797

### **3.0 The Undertaking:**

- a) **Nature of the Undertaking –**  
The proposed project involves the development of sand, gravel and borrow material quarry site located three (3) kilometers Southwest of Peters Pond in the Bishop's Falls area, Exploits District. Site is accessible via existent pit road.
- b) **Purpose/Rationale/Need for the Undertaking –**  
The purpose of this undertaking is to produce sand, gravel and borrow material for local demand.

### **4.0 Description of the Undertaking:**

- a) **Geographical Location**  
This project is located three (3) kilometers Southwest of Peters Pond, off Route 350 (the Botwood highway), and is adjacent to existent quarry permit number 7117016.
- b) **Physical Features**  
**Project Site Description:**  
The principle feature of this site is the purity of the material in that there are no brooks, rivers, ponds or streams, that there is surface vegetation and tree growth but covers a knoll of quality quarry material which is fairly readily accessible. The site immediate

adjacency to the existent pit road makes extraction economically and environmentally feasible.

**Existing Biophysical Environment:**

The grubbing required at this site is minimal. There are sparse fir trees and some scrub vegetation but required clearing is minimal.

**Vegetation:**

There is minimal vegetation at this site: some common shrubs and mixed trees.

**Inland Fish:**

There are no creeks, ponds, brooks or other bodies of water at this site.

**Wildlife:**

Occasional moose wander through this site, but there are no animals frequenting this site.

**Construction:**

This site is ready for excavation, following a day or less vegetation-clearing.

**Clearing and Grubbing:**

Less than one day work will complete the clearing and grubbing required to be ready for excavation.

**Site Development:**

This site covers five (5) hectares and is ready for excavation.

## **5.0 Potential Sources of Pollution During Undertaking:**

The construction phase of the development will consist of earth-moving activities.

Potential sources of pollution may include site drainage, noise, air emissions, waste and litter, and potential release of hydrocarbons.

Site runoff will be directed to the vegetated areas which will filter any suspended solids. Additionally, barriers will be installed as required to prevent siltation of water bodies/streams.

Any domestic waste generated will be collected and disposed of at the MMSB Site in Norris Arm, as per the **Waste Material Disposal Act**.

All equipment will be equipped with appropriate emission controls.

All vehicles will follow a designated project route and will be properly maintained to minimize noise, as well as have regular exhaust and muffler system inspections to ensure effective operation. Also, the site is a great distance from any residential area.

Petroleum products will not be stored on-site and will be handled as per *Storage and Handling of Gasoline and Associated Products Regulations*, under the **Environmental Protection Act**.

## **6.0 Operations:**

Typical excavation method will be employed to collect material at the proposed site. The operation involves extracting sand, gravel and borrow material from the proposed site and transporting it offsite to surrounding towns. Any oversized rocks and waste will be stockpiled for future use.

Appropriate ditching will be maintained on-site to ensure silt and general site runoff is controlled, and does not adversely affect the surrounding environment according to environmental health and safety standards and regulations.

Equipment on site includes the following:

- Rubber Tire Backhoe (digging at the site/loading trucks)
- Excavator (digging at the site/loading trucks)
- Tandem dump truck (material transportation)

The quarry will operate in accordance with demand for products.

## **7.0 Termination of Operations:**

Site rehabilitation shall be in accordance with standard quarry operations. Upon completion of quarry activities, all slopes shall be graded to 30 degrees and the remaining areas will be graded to a level surface as directed by a government quarry inspector from *Natural Resources and Lands*

## **8.0 Occupations:**

Site construction and operation phase for the proposed quarry will be very simple. Normally, there will be only one, or perhaps two people working on-site who perform multiple functions. The following occupational classifications as per the ***National Occupational Classification, 2006*** will be created:

- Site Foreman/Supervisor (7217)
- Heavy Equipment Operator (7421)
- Quarry Manager (0811)
- Quarry Foreman/Supervisor (8221)
- Truck Driver (7411)
- Heavy Equipment Mechanic (offsite) (7312)

## **9.0 Project related Documents:**

There are no project related documents other than attached maps.

## **10.0 Approval of the Undertaking:**

Permit to proceed – **Environmental Protection Act**  
Quarry permit – **Quarry Material Regulations and Acts**

## **11.0 Schedule:**

Registration Document Submission – April, 2012  
Government Review and Decision – May, 2012  
Pit Operation – beginning May, 2012

## **12.0 Funding:**

Funding for the project will be provided by Bryan F. Borland.

**13.0 Submission:**

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**Date**

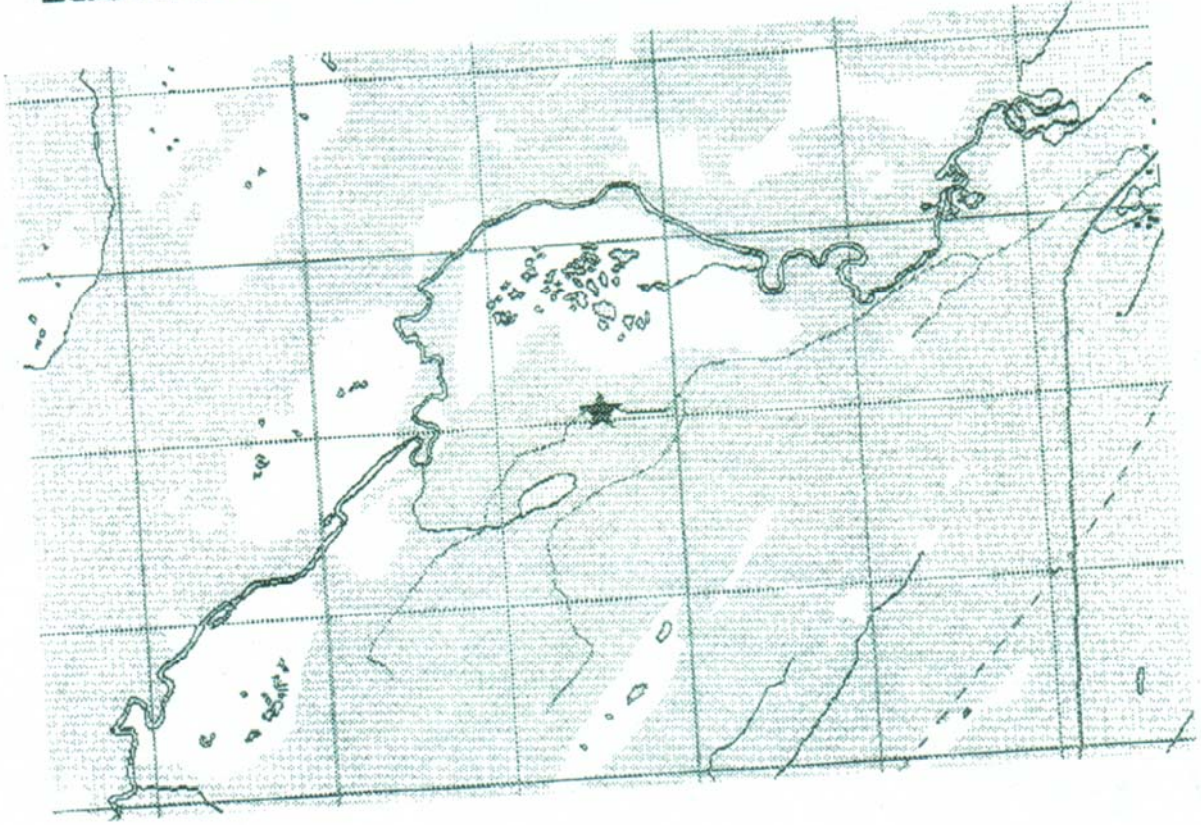
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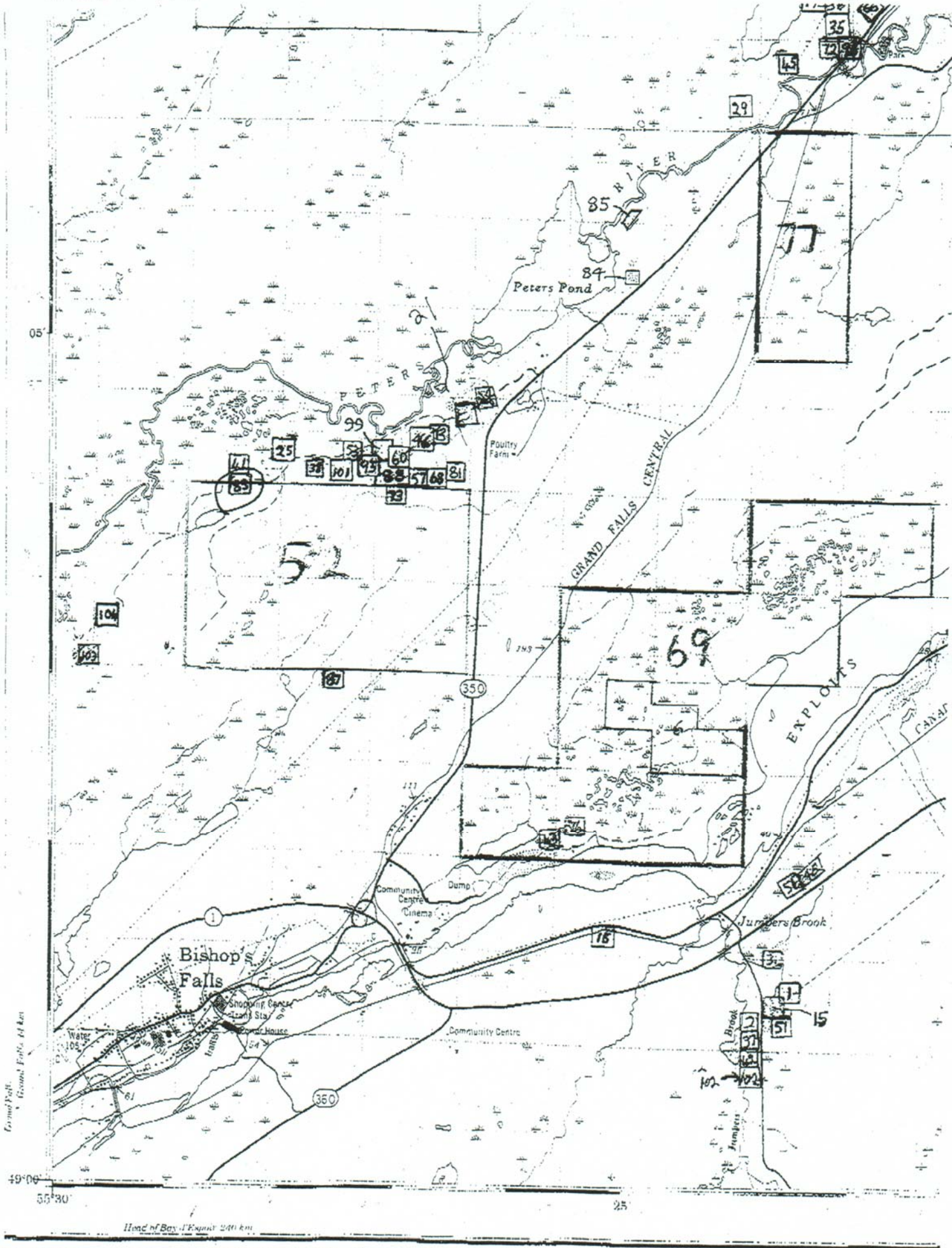
**Name: Bryan F. Borland**





Government of Newfoundland and Labrador  
Department of Natural Resources





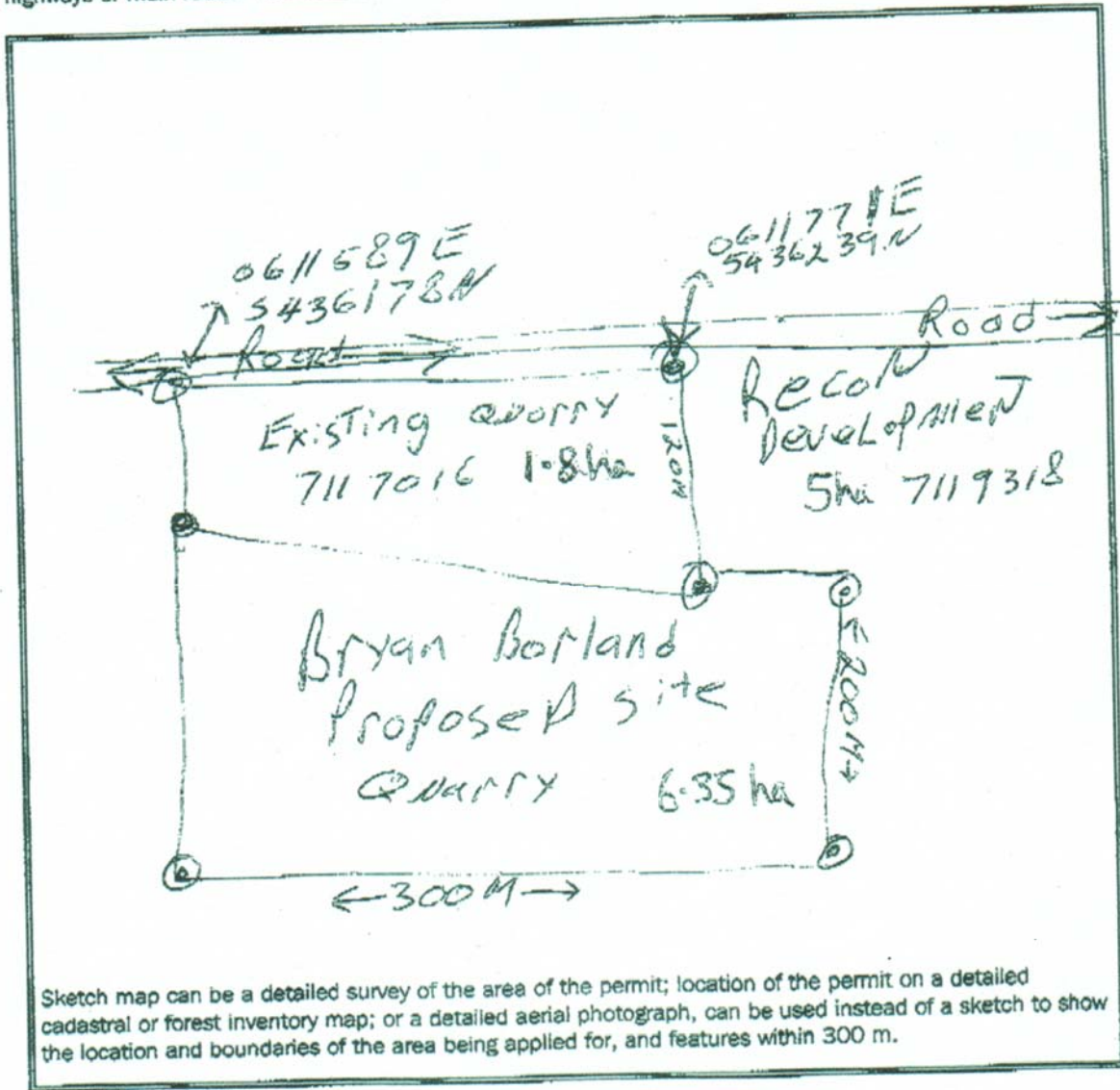
Grand Falls  
Grand Falls, 44 km

49°00'  
55°30'

Head of Bay d'Espoir 240 km

SKETCH OF QUARRY SITE

In the space below, draw a sketch showing the boundaries and distance between corners of the site being applied for, outline of existing quarry if one exists, distances of all features within the quarry site and all features within a 300 metre radius of the boundaries of the quarry site. That is, the location of the features listed in Section 7 of this application. Also, show the proposed access to the site, the distance the quarry site is setback from the highways or main roads. The location where the UTM co-ordinates was taken should be shown.



copy from original application

I certify that the information contained in this application is correct.

Name: Bryan F. Borland

Phone No. Business: 709-258-6797

Signature: Bryan F. Borland

Fax No.: \_\_\_\_\_

Position: owner

E-mail Address: \_\_\_\_\_

Date: June 24/2011



Imagery Date: 10/9/2006

Image © 2011 DigitalGlobe

21 U 611849 31 m E 5436378 85 m N elev. 41 m

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Eye alt: 1.10 km