

Environmental Assessment
Registration Document
Flower's Hill, Botwood NL

Jody Hemeon
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Environment Assessment File #: 200.20.3390

Quarry Application #: 7111 3217

Attention: Minister of Environment and Climate Change

Table Of Contents

Name of Undertaking	3
Proponent	3
The Undertaking	3
Description of Undertaking	3
Approval of Undertaking	7
Schedule	7
Funding	7
Proposed Quarry Map	8
Map	9
Land Use Map	10
Topographical Map	11

Registration of Undertaking, C & H Construction

NAME OF UNDERTAKING:

Acquisition of Quarry, Flowers Hill Botwood NL (Government of Newfoundland and Labrador, Dept of Environment and Climate Change, File No 200.20.3390)

PROPONENT:

- (i) C & H Construction, 33 Adams Avenue Botwood, NL A0H 1E0
- (ii) Chief Executive Officer: **Jody Hemeon, Owner Operator**, 33 Adams Avenue Botwood NL A0H 1E0
- (iii) Principal Contact Person: **Jody Hemeon, Owner Operator**, 33 Adams Avenue Botwood NL A0H 1E0

THE UNDERTAKING:

(i) **Name of Undertaking:**

Jody Hemeon Quarry – 7111 3217, Flowers Hill, Botwood, development of a 2 Hectare sand and gravel Quarry. The location of this quarry is in Central Newfoundland, Flowers Hill Botwood, NL.

(ii) **Purpose/Need of Undertaking:**

Quarry contents of sand and gravel will be required for purpose of developing and maintaining construction business within the Botwood area. Providing sand and gravel to customers as needed in the area for various construction projects and development as they arise.

DESCRIPTION OF THE UNDERTAKING:

- (i) **Geographical Location:** Flowers Hill, Botwood NL, see attached Topographical Map. Connecting to Route 350 along the Botwood highway, with a land cover of mainly trees, alders and shrubs.

(ii) **Physical Features:**

This project will require no buildings or other large structures to be constructed within the site. Primary feature will be the extraction of the quarry contents for use off quarry site.

Size: 2 Hectares: N 49 6' 37.27" W55 23' 18.33"/30' AGL/144.8294' AMSL – Radius 411' (Artist drawing/visual rendering/aerial imagery attached)

This quarry will connect along Route 350, along the Botwood Highway. A land cover of mainly trees, alders and shrubs.

Closest body of water to proposed quarry, a small river, Peter's River, approximately 113 Meters from the closest edge of the quarry and approximately 35 meters from the closest point of the access road.

Land use map attached to demonstrate land use surrounding proposed quarry on a larger scale.

North of the proposed quarry is a trail which is managed by the town of Botwood, this trail is used mainly by town employees to access water supply for the town. No issues from the perspective of the proposed quarry.

Existing quarry to the North of proposed quarry site is approximately 350 Meters with no overlap.

West of the quarry is a transmission line corridor which is approximately 350 meters from boundary of proposed quarry site. No issues or overlap with this site.

No physical and or biological environments within the area that would potentially be affected by this project. No bodies of water, no protected areas.

Wildlife in the immediate area are Moose, Coyotes, Rabbits, and bears. Project is outside of residential/public/commercial/industrial and recreational infrastructure. No potential adverse environmental affects with this project. Some grubbing of trees, alders and shrubs will be required upon use of quarry which will be remediated from the site and placed at local Waste Management Facilities for disposal. All materials gathered while grubbing the area (soil, organics, trees, shrubs etc) will also be remediated and disposed of at the local Waste Management Site.

No pipelines and No transmission lines currently exist on this quarry.

No marine impact as the quarry is not in close proximity of marine life.

There are no expected run offs or erosion episodes during grubbing of the quarry during the land clearing phase. Drainage ditches can be constructed along the barriers of the construction area to mitigate this risk. If the unexpected should occur measures such as sand barriers, drainage ditches, etc can be readily available to prevent drainage into vegetated areas.

(iii) Construction:

No physical construction of buildings or other construction related activities planned at this point. Main point of quarry is to remove contents as needed by potential customers. Quarry will need some clearing and grubbing as well as some development and organization in preparation for removal of contents.

Site Access: The access will be via a road that currently exists and will need some minor upgrades (levelling, additional gravel, removal of some gravel mounds that currently block the road access)

Construction equipment needed to complete road access and the grubbing of some areas are front end loaders, excavators and dump trucks. These will have potential for diesel emissions while in operation and potential for liquid effluents leakage and air emissions, noise, and hydrocarbon release from heavy equipment which will be constantly monitored.

The existence of these potential pollutions will be continuously monitored and measures will exist to limit the impact to the area.

Such measures will include the following:

- Ensuring proper maintenance of equipment (mufflers, filters, etc)
- Emission control mechanisms as required.
- Quarry exists outside of residential areas reducing the risk of noise emission.
- Operations will not continue into the night hours to reduce the noise risk to area and wildlife existence.
- During summer months or any other dry season, the use of water may be required to reduce dust emissions in the quarry and roads.
- No sewage facilities located in this site
- No storage of hazardous materials onsite

The operation of heavy equipment within the quarry has an increased risk of diesel fuel, oils and fluids. This risk will be mitigated by ensuring no storage of these fluids on site, emergency spill kits on site at all times as well as familiarization in using these kits in response to a spill. Any repairs, service requirements etc will be done at an appropriate business offsite.

Equipment that will be onsite within quarry during operation are as follows:

- Front-end loader
- Excavator
- Dump truck
- Gravel/sand screening equipment

(iv) Operation:

Project will commence upon approval of process and release of Quarry to C & H Construction. Potential first period of operation to begin in Spring of 2024 or upon approval. Construction season demand will determine usage and potential impacts on area. Regular quarry operation will commence upon approval. The

forecasted operation includes excavation and removal of sand and gravel from quarry using excavation and removal of materials from quarry via dump truck.

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(v) Potential Resource Conflicts during Operation:

This quarry exists outside residential area. Often times recreational activities may exist in the area, dirt bike riding, hiking and hunting. The access to the area can be controlled by use of gate, signs and barriers to mitigate access.

(vi) Occupations:

Owner operator, Jody Hemeon, sole employee. Only employee to be working on site during construction and operation phase of this project. Owner operator is qualified to operate machinery as a heavy equipment operator (NOC 7521).

Construction Phase: 1 month, to begin upon approval or as construction season begins (March 2024)

Operation: Will continue annually from spring to fall of each year upon demands of construction industry

(vii) Project Related Documents:

Approval letter issued on December 29,2023 by NAV Canada

No other related documents required for this project

APPROVAL OF UNDERTAKING:

Quarry permit required from Department of Natural Resources

SCHEDULE:

Spring 2024-beginning of construction season project will commence or earlier if approval and permits are in place.

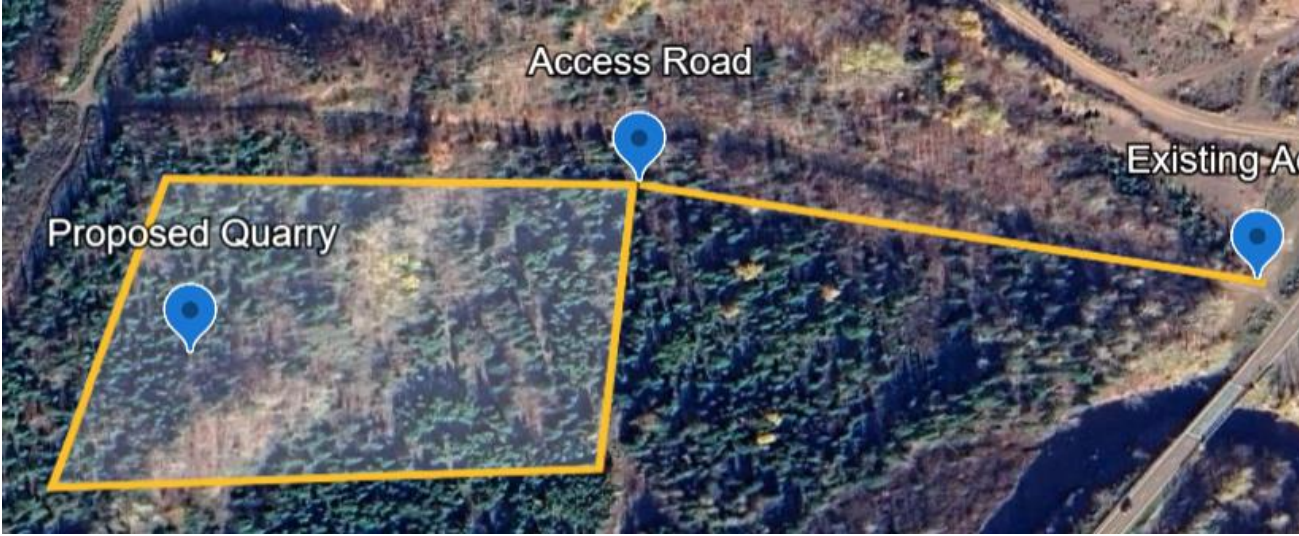
CAPITAL COST AND FUNDING:

No capital cost and funding required. Funding will be solely provided by owner/operator and will be estimated at less than \$10,000 to develop quarry and improve access road to quarry.

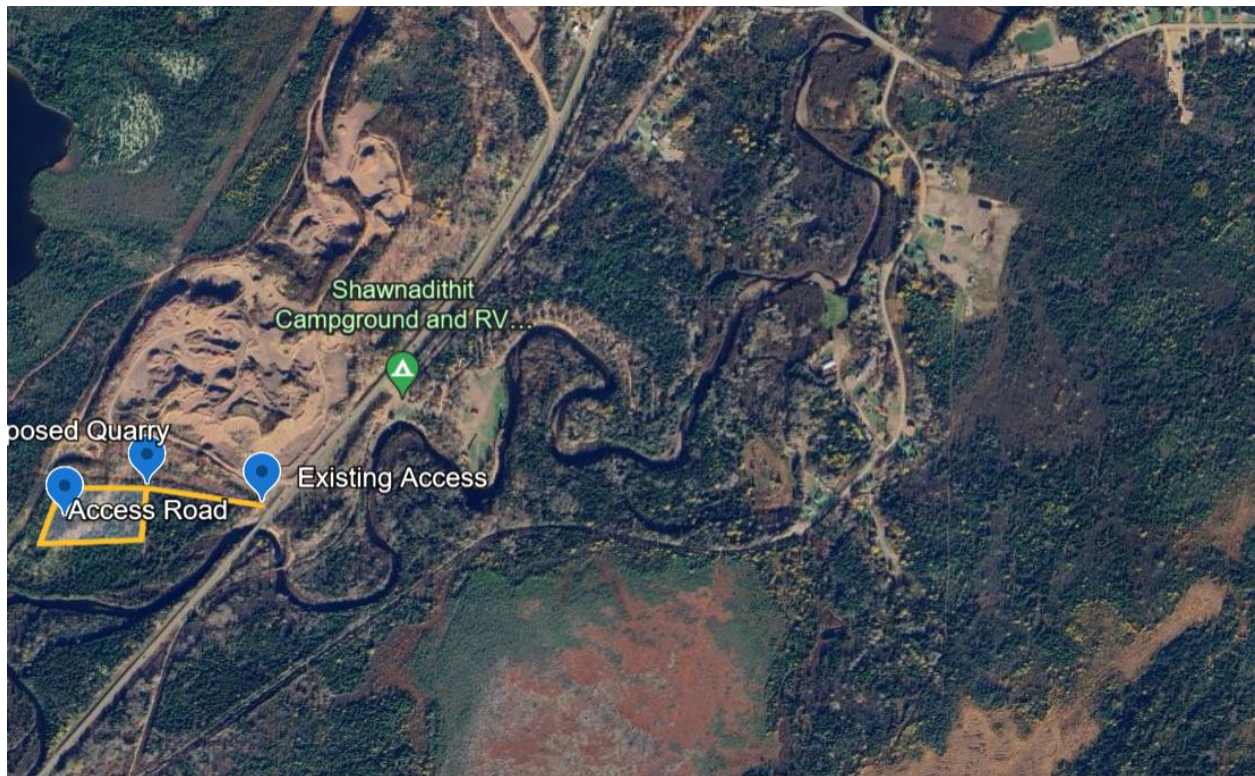
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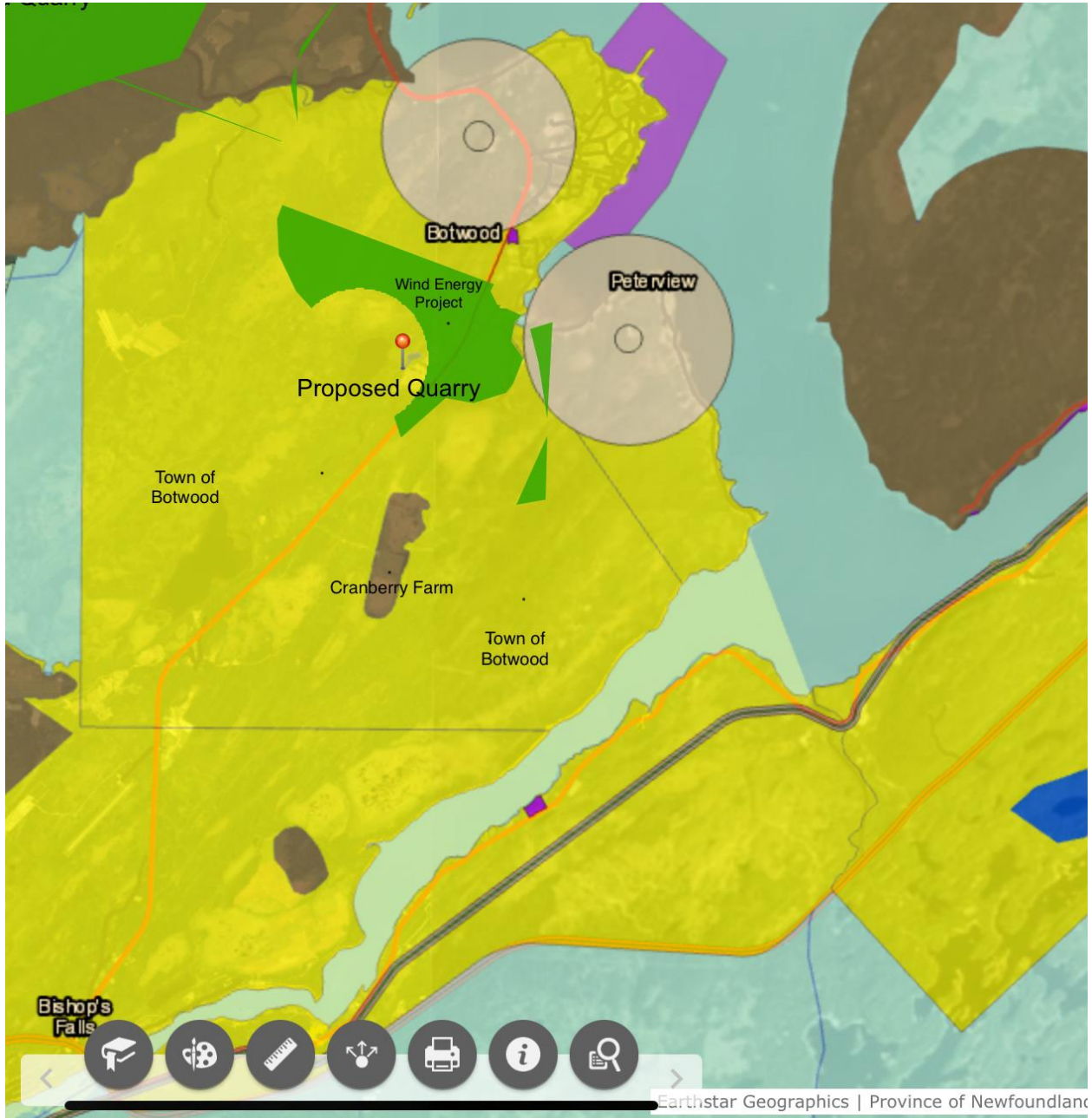
Proposed Quarry and Access Road



Larger Scale Map



Land Use Map



Topographical Map

