

REGISTRATION PURSUANT TO SECTION 49 OF
THE ENVIRONMENTAL PROTECTION ACT

NAME OF UNDERTAKING:

BOTWOOD-PETERVIEW CRANBERRY FARM

PROPONENT:

- (i) *Name of Corporate Body:* **Botwood-Peterview Cranberry (TBI)**

- (ii) *Address:* **P.O. Box 1030
Botwood, NL
A0H 1E0**

- (iii) *Chief Executive Officer:* **Mr. Fabian Power
P.O. Box 1030
Botwood, NL
A0H 1E0
709-293-4808**

- (iv) *Principal Contact:* **Mr. Fabian Power
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email: fabianpower@nl.rogers.com**

The Undertaking:

Fabian Power of Bishops Falls, Newfoundland and Labrador is presently seeking a License to Occupy from the Lands Division, Department of Environment and Conservation to develop and operate a Cranberry Farm in the Botwood-Peterview area.

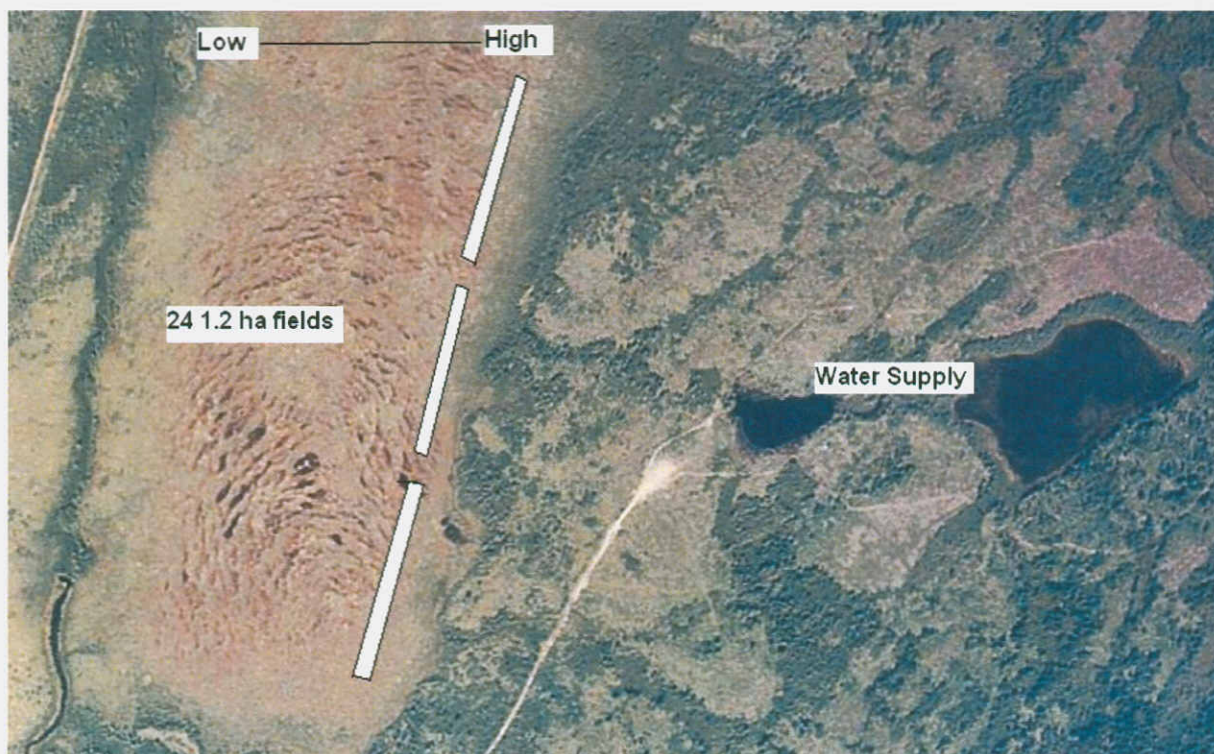
Description of the Undertaking:

(i) Geographical Location:

A large peat bog located south of the Town of Botwood and adjacent to Route 350 and the old railway bed. Please see the attached location map. The proposed cranberry field development will utilize over 40 ha of the southern section of the bog, which includes berms and ditches. However, only approximately 29 ha (72 acres) applies to the field beds.

(ii) Physical Features:

The site is comprised of a peat bog, primarily dry with some flashets. The surrounding land is comprised of crown forest land that is largely cleared. The areas high point is located to the East and gently slopes to the West. This slope will be utilized in bed development to enable gravity flow of water. One to two storage sheds are proposed for the site. Development of approximately 600 m of road access is necessary from Route 350, along the existing railway bed.



(iii) Construction:

Subject to final design engineering and consultation. Work to be carried out over three years with a total of 29 hectares (72 acres) of cranberry field beds being developed, consisting of 24 1.2 ha (3 acre) fields (40m x 300m per field). A total of eight fields will be developed each year, starting on the high end of the bog (the east) and working towards the low area on the west extreme of the bog (see above picture).

Construction will consist of:

- Preliminary ditching in the proposed berm locations and discharge areas;
- Cranberry bed development, consisting of removing a layer of peat to level the bed, with the spoil to be used for the berm construction;
- Ditching between the bed and berm;
- Construction of irrigation pond;
- Construction of Sediment Pond;
- Construction of farm auxiliary buildings;
- Installation of water control structures;
- Installation of drainage tile in the bed;
- Development of an access road to the site, then a farm service road on top of the berms which will be approximately 6m wide and considered part of the berm construction;
- Placement and leveling of approximately 20cm of sand on new cranberry beds.

The potential sources of pollutants during the construction period are associated with machinery diesel fuel and lubricants. Machinery such as farm tractors, excavators, and dump trucks will be refueled and lubricated on mineral soil - off the construction site. Refuse and human waste will be disposed and addressed using procedures specified by the Department of Environment and Conservation.

Year 1 – Start as soon as land, finances and machinery are secured, commencing to develop 9.6 hectares of cranberry producing fields.

Year 2 – Develop 9.6 hectares of cranberry producing fields.

Year 3 - Develop 9.6 hectares of cranberry producing fields.

(iv) Operations:

Long term management of a producing cranberry farm with a goal of being a model steward to the environment. No resource conflicts are expected throughout the life of this development.

Harvesting normally consists of flooding each field with approximately 45cm of water, independently at different times, to reduce large volumes of discharge. A cranberry beater will dislodge the cranberries from the vines underwater which will in turn float to the surface, then gathered by a boom and loaded into plastic containers via a conveyor system.

Flood water discharge will be diverted into another field for harvesting (from east to west) or through maintained ditches and routed to a sediment pond, which will contain any potential contaminants, and act as a supplementary water source if required.

Agricultural operational procedures will be consistent with appropriate environmental standards for sustainable agriculture.

Potential contaminants during the operational period will include: Common chemicals used during cranberry operations within Newfoundland and Labrador includes the following registered products:

- Herbicides; Devrinol, Callisto, Roundup
- Insecticides; Sevin, Diazinon
- Fungicides; Bravo
- Fertilizers; 17 17 17/50lbs/acre, 4600/10lbs/acre

Other potential sources of pollutants during operations include the same as the construction period associated with machinery fuel and lubricants. Machinery such as farm tractors and flat bed trucks will be refueled and lubricated on mineral soil - off the construction site. Refuse and human waste will be disposed and addressed using procedures specified by the Department of Environment and Conservation.

(v) Occupations:

1. General Manager
2. Design Engineer (Contractor)
3. Grower
4. Pesticide Applicator
5. Laborers (Part time)
6. Office administrator
7. Equipment operator
8. Electrician (Contractor)
9. Mechanic (Contractor)

(vi) Project Related Documents:

Crown Land Application, in progress

Approval of the Undertaking:

Following is a list of main permits, licenses and approvals required for this project.

<u>Approval/Certification/License/Permit</u>	<u>Authority</u>
Environmental Registration	Dept. of Environment and Conservation
Environmental Assessment Approval	Dept. of Environment and Conservation
Crown Land	Dept. of Environment and Conservation
Fuel Storage & Handling.	Department of Government Services

Municipal Approval
Pesticides (applicator/Operator)
Water Use License
Permit to Alter a Body of Water
Workers Health and Safety Compensation

Town of Botwood
Dept. of Environment and Conservation
Dept. of Environment and Conservation
Dept. of Environment and Conservation
Workplace Health Safety and Compensation
Commission

Schedule:

The earliest construction start date is July 2009, latest being September 2009.
Construction will then be conducted over 3 years.

Funding:

No application for funding at this time. Typical cost of cranberry bed development is approximately \$30,000-35,000/acre.

April 15/09
Date



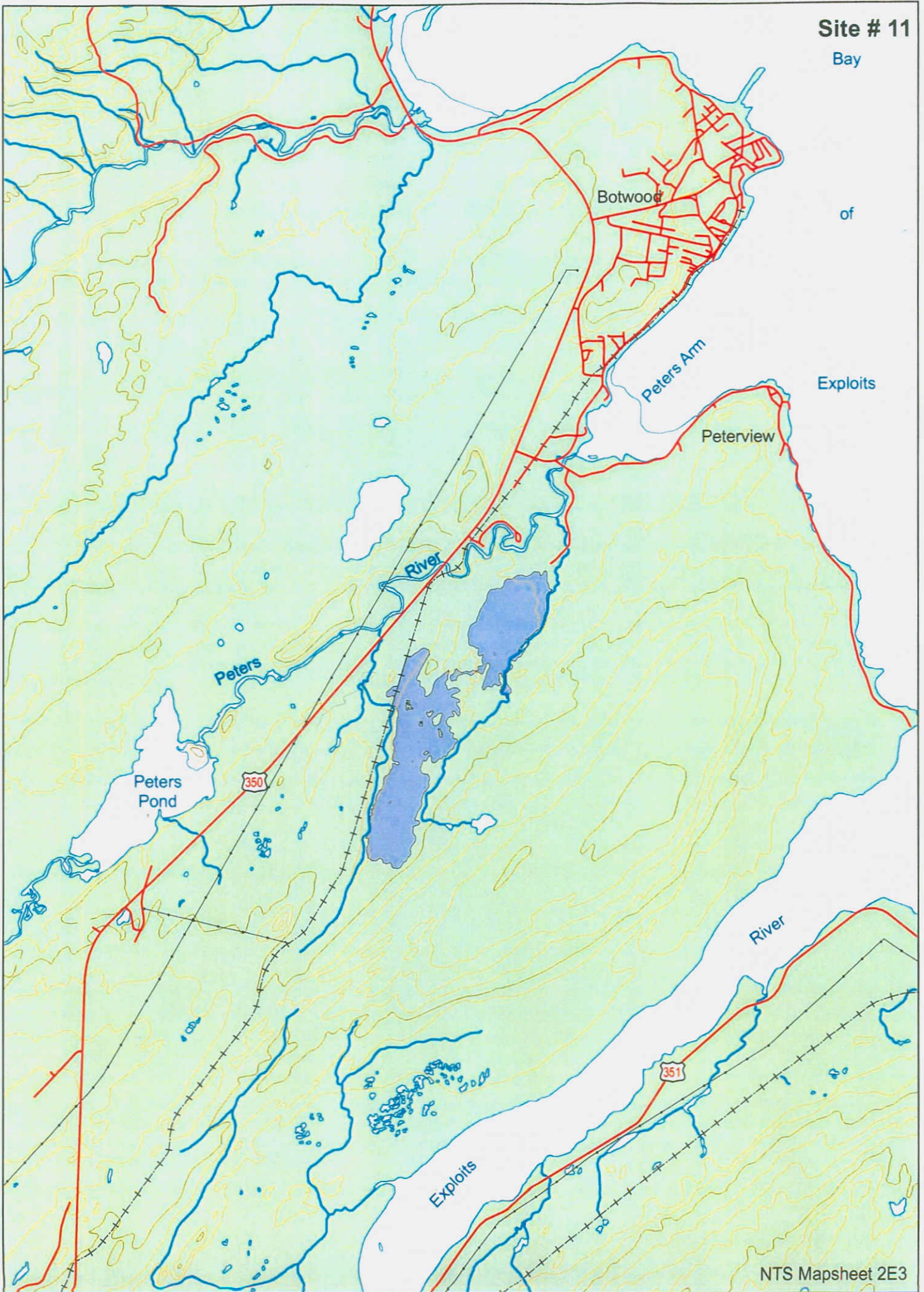
Fabian Power (Owner/Operator)

Site # 11

Bay

of

Exploits



Peters Pond

Peters

River

Botwood

Peters Arm

Peterview

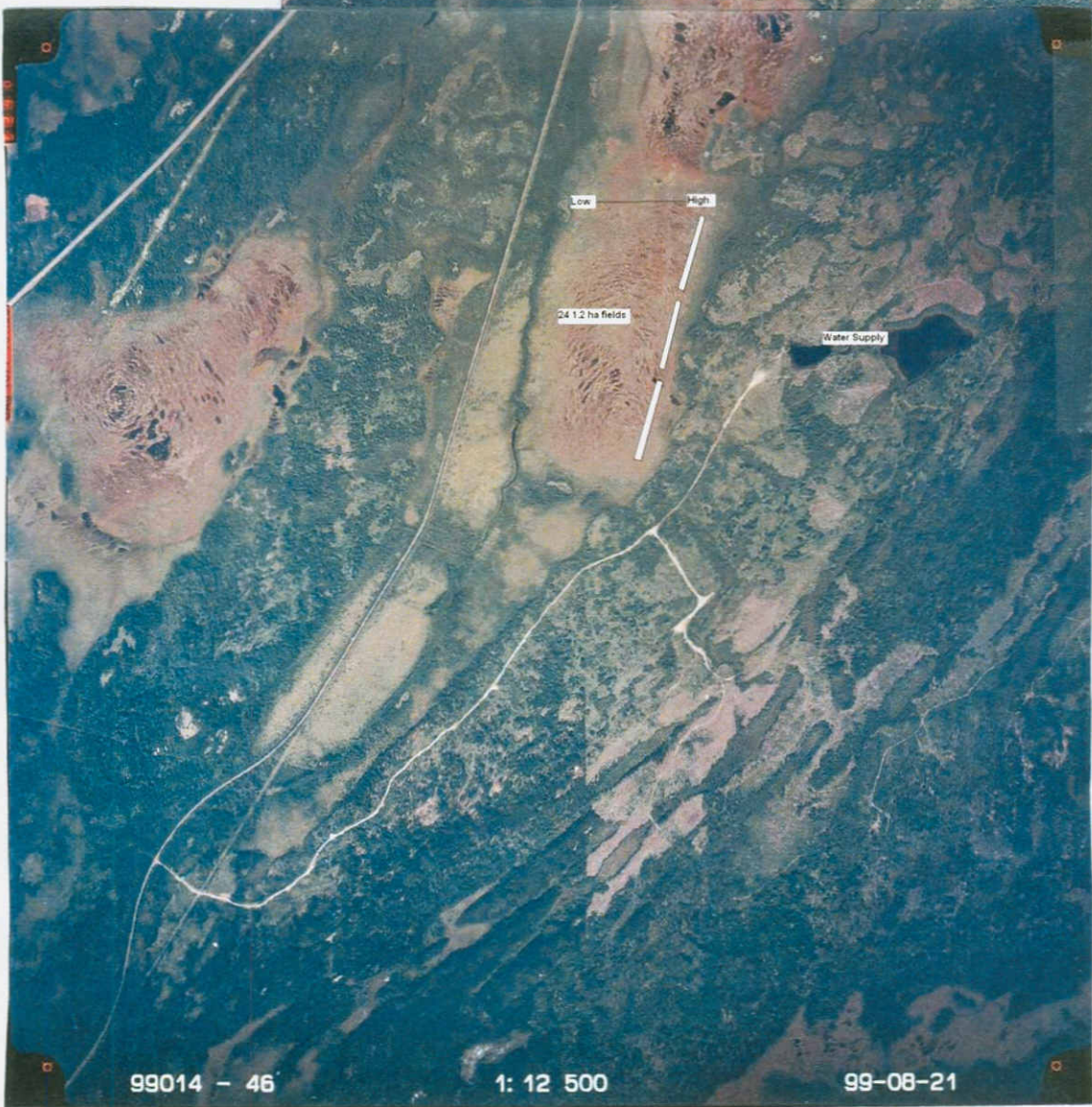
350

351

Exploits

River

NTS Mapsheet 2E3



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GOVERNMENT OF
NEWFOUNDLAND
AND LABRADOR

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GOVERNMENT SERVICES AND LANDS
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