

REGISTRATION PURSUANT TO SECTION 49 OF
THE ENVIRONMENTAL PROTECTION ACT

NAME OF UNDERTAKING:

BISHOP'S CRANBERRY FARM

PROPONENT:

- (i) *Name of Corporate Body:*** **Bishop's Cranberry Farm (TBI)**

- (ii) *Address:*** **13 Crescent Heights
Grand Falls-Windsor, NL
A2A 1K6**

- (iii) *Chief Executive Officer:*** **Mr. Peter Bishop
13 Crescent Heights
Grand Falls-Windsor, NL
A2A 1K6
709-489-2916**

- (iv) *Principal Contact:*** **Mr. Peter Bishop
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709-489-2916
email: peterbishop@nl.rogers.com**

The Undertaking:

Peter Bishop of Grand Falls-Windsor, 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 Wooddale Area.

Description of the Undertaking:

(i) Geographical Location:

A large peat bog located in the Wooddale North area off the Wooddale North Access Road. Please see the attached location maps. The total size of the site is approximately 230 acres.

(ii) Physical Features:

The site is comprised of a deep domed peat bog. The site is bounded by Crown Land in all directions, with a small section to the South adjacent to property held by Glenfair Farms. The proponent plans to develop the bog utilizing a water supply to be provided by on-site flashetts and small ponds, as per the attached map. One to two storage sheds are proposed for the site. Access to the site will be developed from the Wooddale North Access Road.

(iii) Construction:

Subject to final design engineering and consultation. Work will be carried out over four to five years with a total of up to 42.8 acres of cranberry field beds being developed, at a rate of at least 5-10 acres per annum. The majority of fields will be developed at a consistent width of 46 m, with a length based on site layout and topography varying from 167 m to 782 m.

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 and Sediment Ponds;
- 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 and finances are secured, commencing to develop at least 5-10 acres of cranberry producing fields.

Year 2 – Develop at least 10 acres of cranberry producing fields.

Year 3+ - Develop at least 10 acres 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 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, Furban
- Fertilizers; 17-17-17/50lbs/acre, 46-0-0/10lbs/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 #133545, 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 |
| Pesticides (applicator/Operator) | Dept. of Environment and Conservation |
| Water Use License | Dept. of Environment and Conservation |
| Permit to Alter a Body of Water | Dept. of Environment and Conservation |
| Workers Health and Safety Compensation | Workplace Health Safety and Compensation Commission |

Schedule:

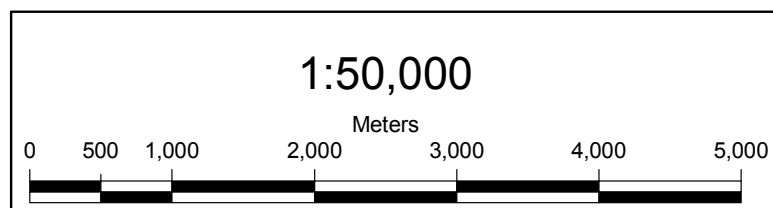
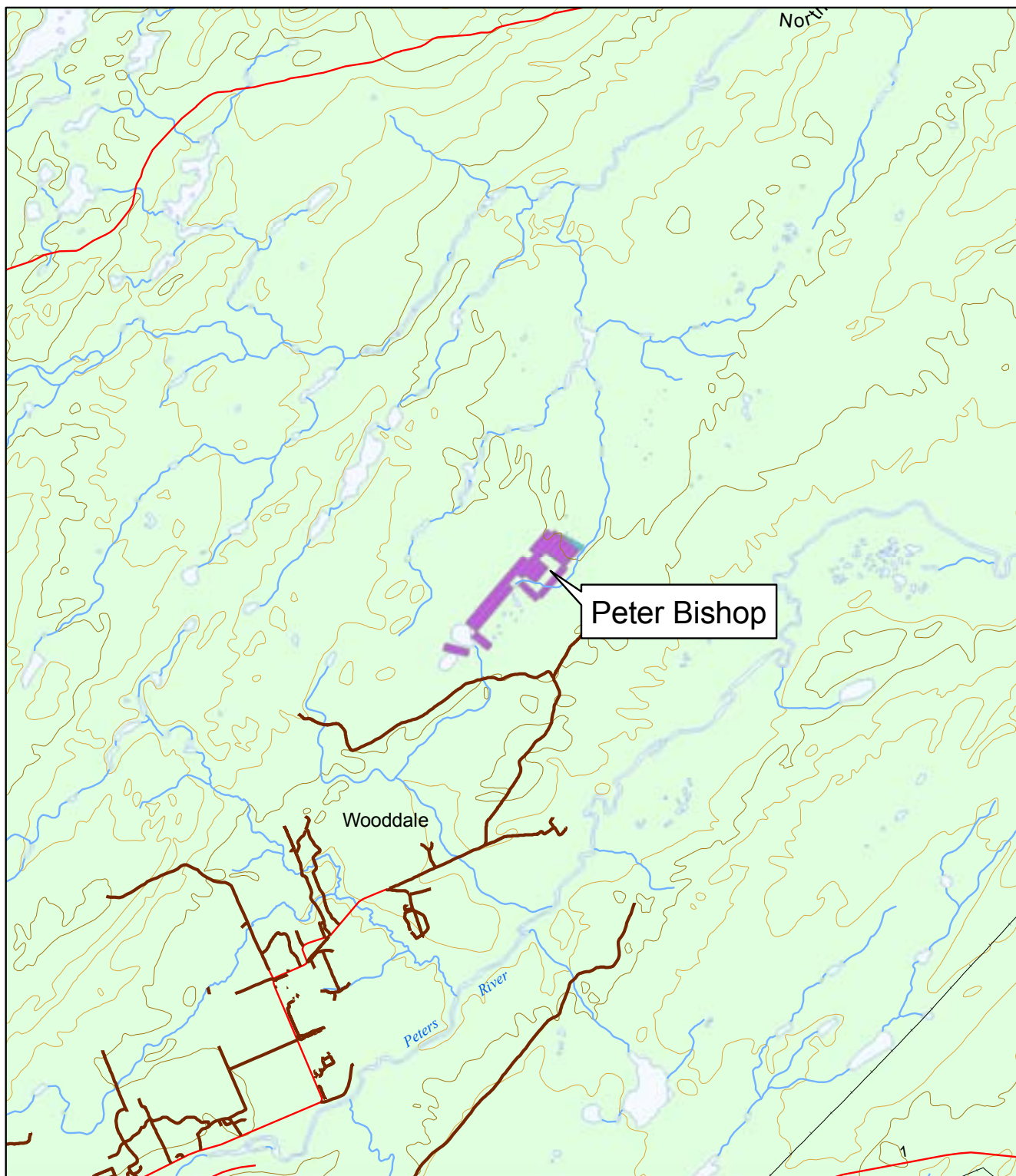
The earliest construction start date is July 2009, latest being September 2009.
Construction will then be conducted over several years.

Funding:

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

Date

Peter Bishop (Owner/Operator)



NTS Mapsheet 2E3 / 2E4

