

Environmental Assessment Registration Document

Submitted by:

Harrys River Cranberry Farm
632 Logy Bay Rd.
Logy Bay, NL
A1K 3B3

April 2010

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**REGISTRATION PURSUANT TO SECTION 49 OF
THE ENVIRONMENTAL PROTECTION ACT**

Name of Undertaking: Harrys River Cranberry Farm

Proponent:

- i. Name of Corporate Body: Harrys River Cranberry Farm Ltd. (TBI)
- ii. Address: 632 Logy Bay Rd.
Logy Bay, NL
A1K 3B3
709-682-8985
- iii. Chief Executive Officer: Mr. David Walsh
632 Logy Bay Rd.
Logy Bay, NL
A1K 3B3
709-682-8985
- iv. Principal Contact: Mr. David Walsh
632 Logy Bay Rd.
Logy Bay, NL
A1K 3B3
709-682-8985
dwalsh27@hotmail.com

The Undertaking:

Mr. David Terrence Walsh of Logy Bay, 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 Black Duck Siding area.

Description of the Undertaking:

i. Geographical Location:

A large peat bog located east of the municipality of Black Duck Siding, NL, in an area just south of Harry's River and 1500 metres east of Harry's River Bridge on Route 460. Please see the attached location maps. The total size of the site is approximately 73.5 hectares (175 acres).

ii. Physical Features:

The site is comprised of a deep peat bog gently sloping from south to north and from west to east. A small pond approximately 1.3 hectares in size is located to the east of the property. The area is underlain by approximately 70% peat and 30% mineral soil. These in turn, are underlain by fluvial/glacial fluvial sands and gravels ranging in size from medium to fine grained sand to poorly sorted boulder gravel.

iii. Construction:

Subject to final design engineering and consultation, work to be carried out over several years with a total of 41 acres of cranberry beds to be developed, at a rate of 10 - 15 acres per annum. Beds will be developed at a consistent width of 45 m, with a length based on site layout and topography varying from 175 m to 470 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 Sediment Pond;
- Construction of farm auxiliary building;
- Installation of water control structures and canals;
- Installation of drainage tile in the bed;
- Development of 160 m of access roads to bed sites and farm service roads on top of the berms which will be approximately 6m wide and considered part of the berm construction;
- Establishment of quarry and screening equipment for sand;
- Placement and levelling 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 refuelled 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. A pit privy will be constructed during the construction phase and will be replaced at a later date by a septic field.

iv. **Operations:**

The long term goal of the cranberry farm is to have efficient and sustainable operations while maintaining sound environmental practices. No resource conflicts are expected throughout the life of this development.

Harvesting normally consists of flooding each field with approximately 45cm of water, independently, 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, 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 refuelled 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:**

- i. General Manager
- ii. Design Engineer (Contractor)
- iii. Grower/Pesticide Applicator
- iv. Labourers (Part time)

- v. Office administrator
- vi. Equipment operator
- vii. Electrician (Contractor)
- viii. Mechanic (Contractor)

ix. **Project Related Documents:**

Crown Land Application # W-136128, 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	Environment and Conservation
Environmental Assessment Approval	Environment and Conservation
Crown Land	Environment and Conservation
Fuel Storage & Handling.	Government Services
Municipal Approval	Town of Stephenville Crossing
Pesticides (applicator/Operator)	Environment and Conservation
Water Use License	Environment and Conservation
Permit to Alter a Body of Water	Environment and Conservation
Pit Privy	Government Services
Workers Health and Safety Compensation	Workplace Health Safety and compensation Commission

Schedule:

The earliest construction start date is September 2010, latest being December 2010. Construction will then be conducted over several years.

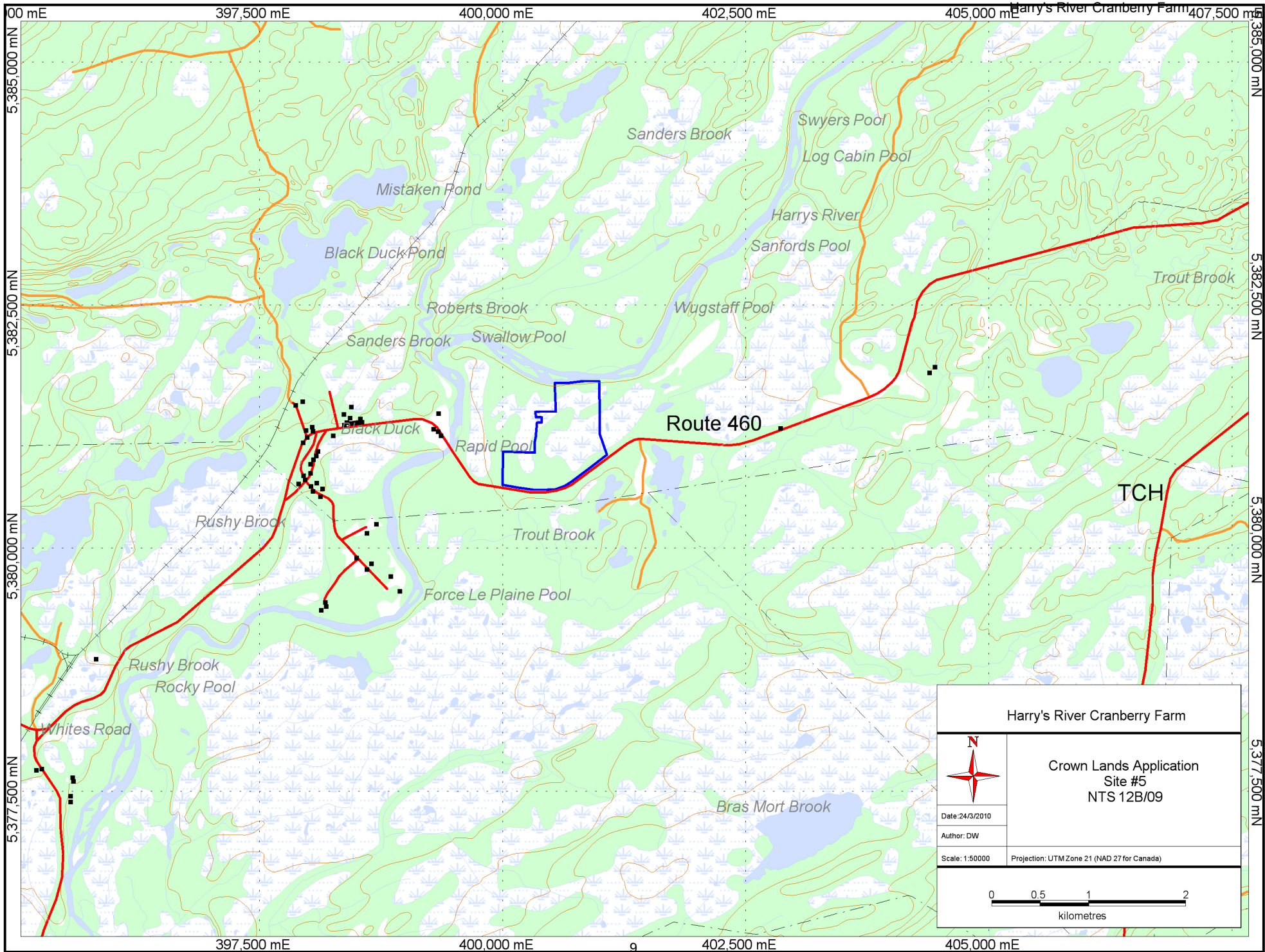
- a. Year 1 - Start as soon as land, finances and machinery are secured, commencing to develop 10 acres of cranberry producing fields.
- b. Year 2 - Develop 10 acres of cranberry producing fields.
- c. Year 3 - Develop 10 acres of cranberry producing fields.
- d. Years 4 to 7 - Develop 10 - 15 acres of cranberry producing fields.


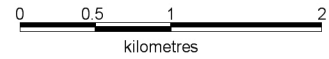
Funding:

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







Date

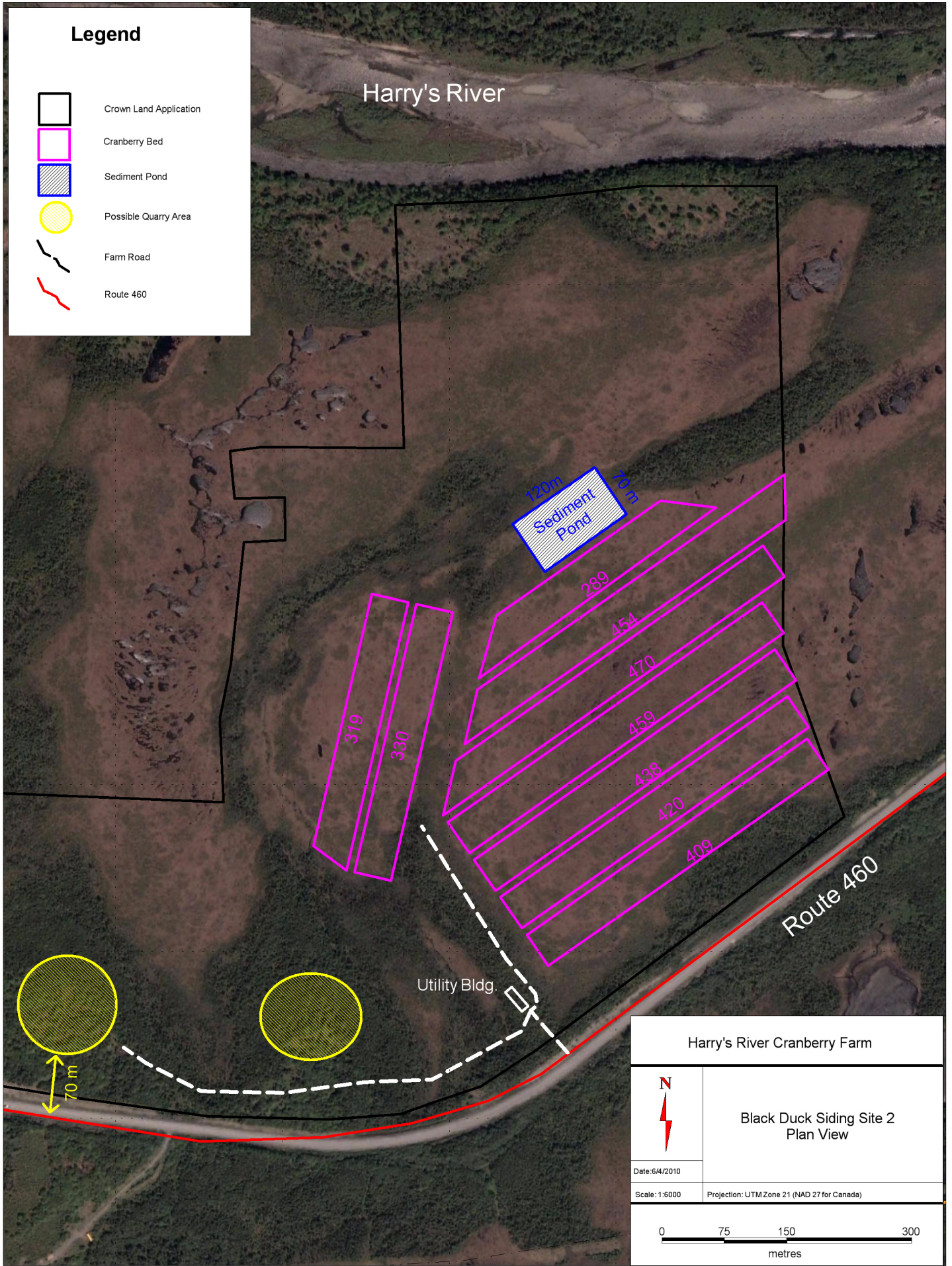
David Walsh (CEO)



Harry's River Cranberry Farm	
	Crown Lands Application Site #5 NTS 12B/09
Date: 24/3/2010	
Author: DW	
Scale: 1:50000	Projection: UTM Zone 21 (NAD 27 for Canada)
	

Legend

-  Crown Land Application
-  Cranberry Bed
-  Sediment Pond
-  Possible Quarry Area
-  Farm Road
-  Route 460



Harry's River Cranberry Farm



Black Duck Siding Site 2
Plan View

Date: 6/4/2010

Scale: 1:5000

Projection: UTM Zone 21 (NAD 27 for Canada)

