

Environmental Assessment Registration

NAME OF UNDERTAKING: LochLeven Grazing and Hay Field

PROPONENT:

- (i) Name of Corporate Body: LochLeven Farm
- (ii) Address: LochLeven, NL
AON 1Y0
- (iii) Chief Executive Officer:
- Name: Garry Fillier
Official Title: Owner/Production Manager
Address: 3 Birch St
Humber Village, NL
A2H2N2
Telephone No: (709) 634-9993
- (iv) Principal Contact Person for purposes of environmental assessment:
- Name: Karen Fillier
Official Title: Owner/ Business Manager
Address: 3 Birch St
Humber Village, NL
A2H2N2
Telephone No: (709) 634-9993
Cell Phone: (709) 660-1721

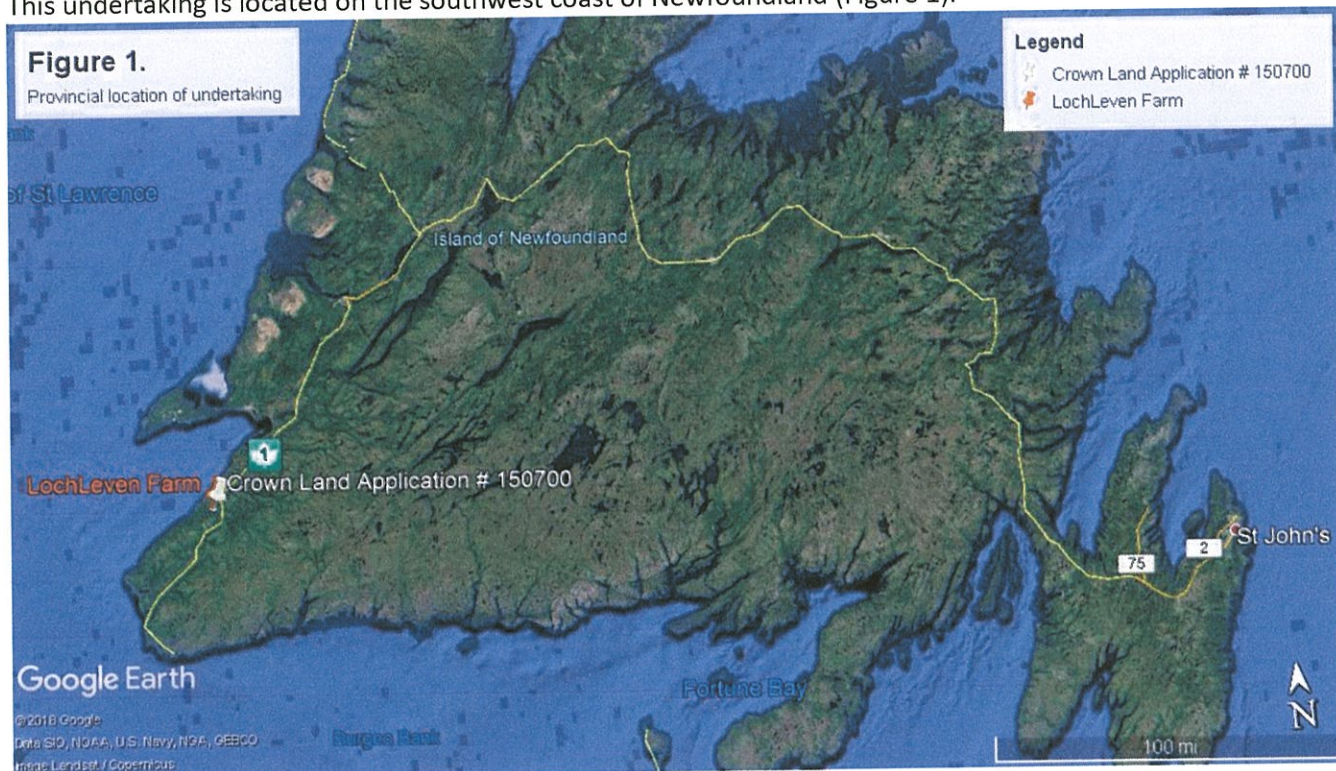
THE UNDERTAKING:

- i. Nature of the Undertaking:
The development of forage and grazing fields in the area covered by Crown Land lease application # 150700.
- ii. Purpose/Rationale/Need for the Undertaking:
This undertaking will provide the grazing and hay fields required by LochLeven Farm to become a viable sheep farming business. We will be supplying hay and fresh lamb to the Western Region of Newfoundland. Since we will free range our ewes, this undertaking will provide us with high quality grazing and hay fields to provide sufficient winter forage.
This undertaking is adjacent to our privately owned property, Lot # 47 LochLeven Farm.

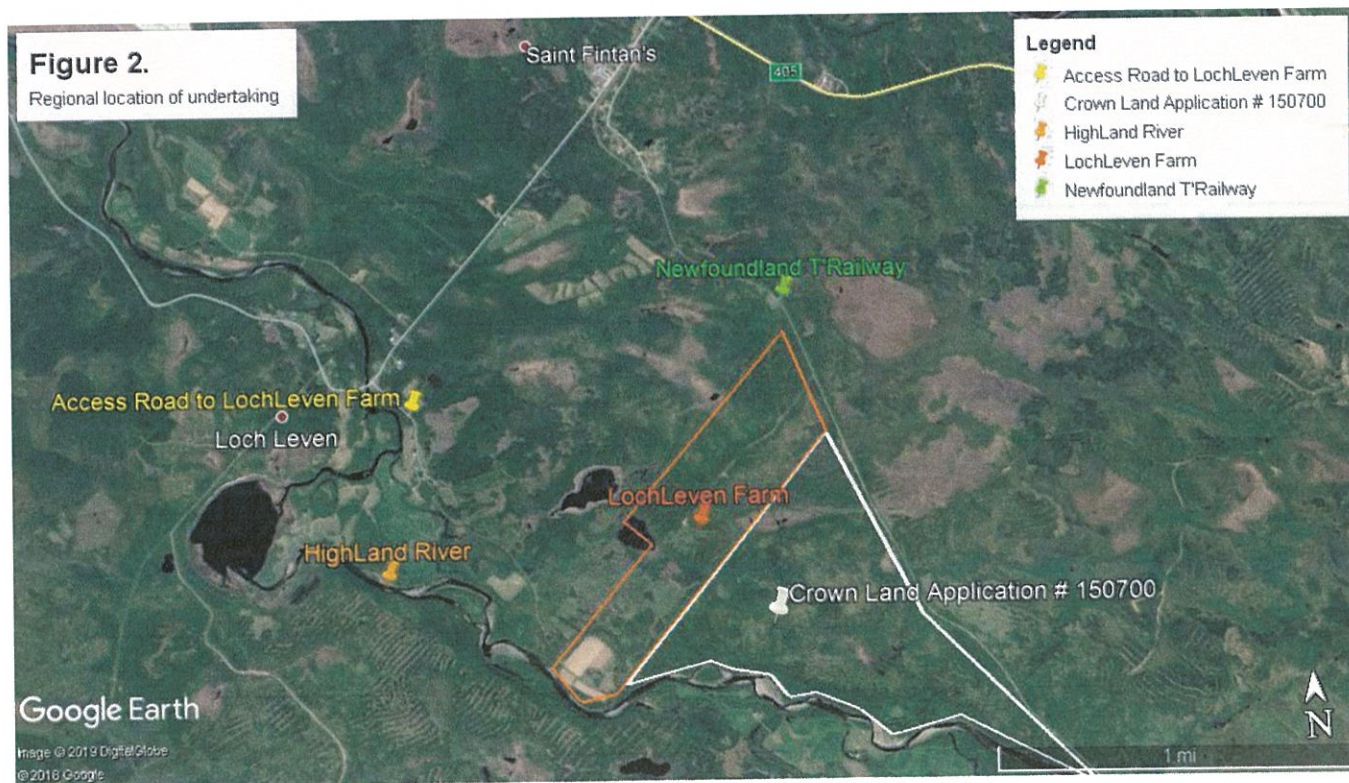
DESCRIPTION OF THE UNDERTAKING:

i. Geographical Location:

This undertaking is located on the southwest coast of Newfoundland (Figure 1).



It is approximately 2 km off Route 405 near the town of LochLeven. It is bounded on the North and East by the Newfoundland T'Railway, on the South by the Highland River and on the West by LochLeven Farm (Figure 2).

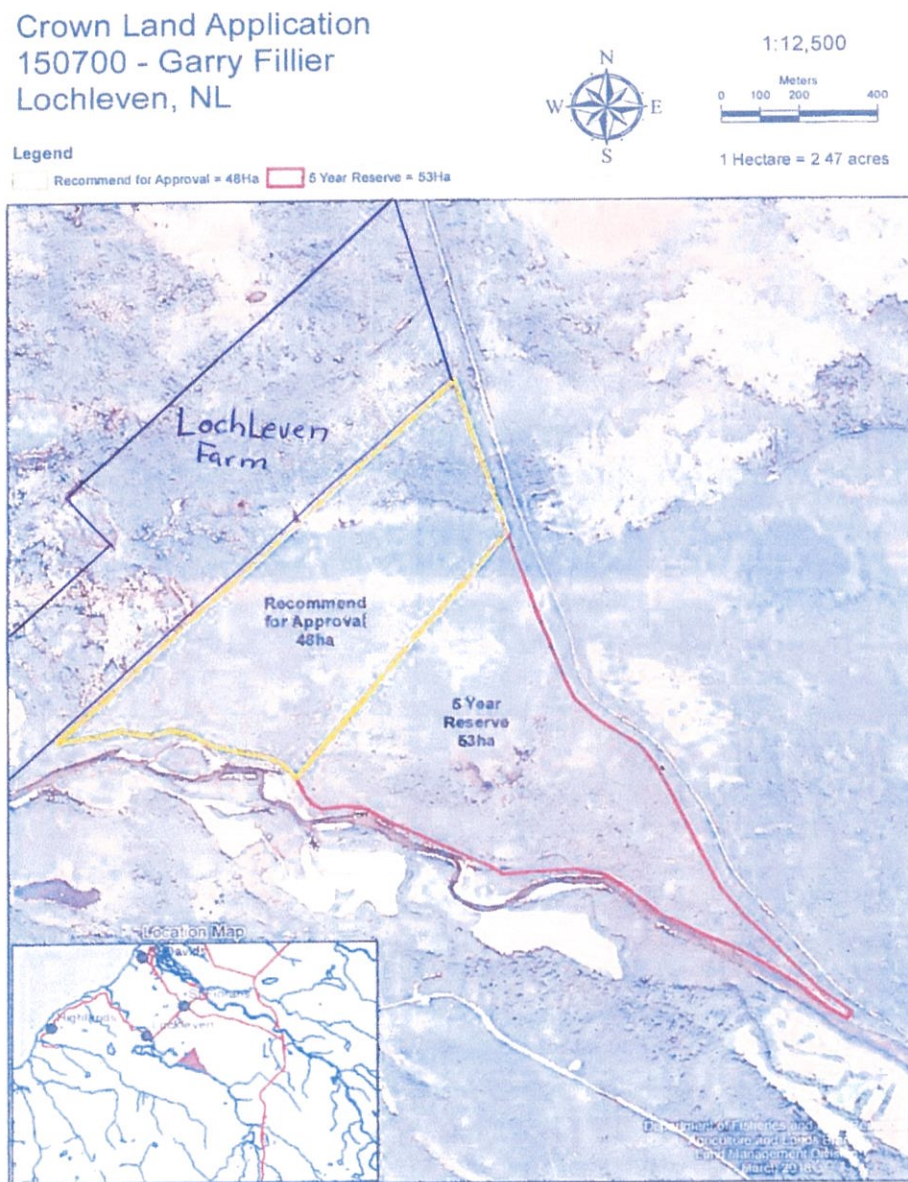


ii. Physical Features:

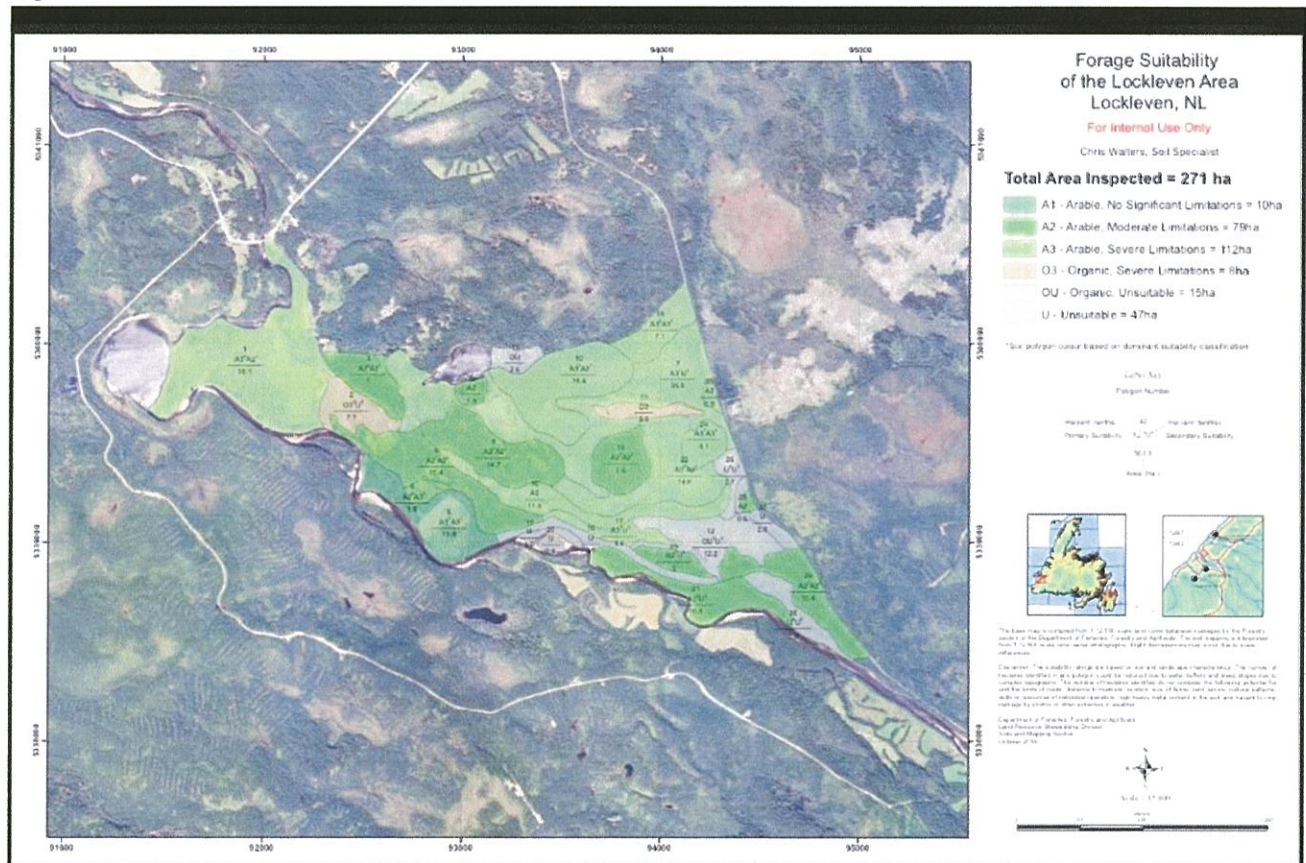
The focus of this undertaking is the development of land for forage production and grazing of our sheep. There will be no buildings constructed and road construction is not required since we will access through our farm adjacent to this undertaking.

This undertaking covers a total area of 101 hectares. As recommended by the Land Management Division (Agriculture), the total area covers two parcels of land. The Parcel 1 covers 48 hectares and is directly adjacent to LochLeven Farm. Parcel 2 covers 53 hectares and is adjacent to Parcel 1 (48 Hectares). (Figure 3). We will start with the development of Parcel 1. In 5 years, as our farm grows we will start to develop Parcel 2. This will allow us to reach our full potential as a viable Sheep and Hay Farm.

Figure 3.



The Forage Suitability map shows Parcel 2 (53 Hectares) also has areas of arable with moderate limitations. This parcel also has areas of unsuitable land that are unable to be developed and will be left in its natural state.



When the survey is complete, rough clearing will begin on the land that is suitable for grazing and hay fields. We will rely on general land clearing contractors to do the rough clearing of trees, stumps and boulders. We will ensure the Agriculture Guidelines for Clearing Land will be followed as required. Any merchantable timber will be harvested and kept for our personal use on the farm. Piles of brush will be burned as conditions permit. We, LochLeven Farm, will then perform the final tasks of raking and rock/ debris removal. Limestone will be applied as indicated by soil samples that we will submit to the provincial Soil, Plant and Feed Laboratory. Seeding will take place as the final step to establish these hay fields. We will be using composted manure as a fertilizer for these fields.

Natural riparian buffer zones will be maintained around sensitive areas to prevent erosion and to protect water sources. These buffer zones will also provide habitat for wildlife. As specified in the Environmental Guidelines for Livestock Producers, a 30 meter buffer zone will be maintained in these areas. Along the river, a required 50 meter buffer zone will also be maintained.

Since operations will cease when a heavy rainfall is expected, there are no potential sources of pollution anticipated during the construction of this undertaking. Recommendation in the Agriculture guidelines will be followed if required such as using filter fabric and settling ponds to help filter any surface runoff into the adjacent river system.

Equipment maintenance and refueling will be conducted on level ground and not within 100 meters from any surface water. Spill response equipment will be kept on site to be available if required.

The Environmental Guidelines for Livestock Producers, the Environmental Protection Act, 2002 and the Environmental Assessment Regulations will be our guideline. We will not be altering any water bodies in this undertaking. We will not be drilling any wells and river water will not be required.

iv. Operation:

The established hay fields will be harvested twice per season for the life of the farm. Regular maintenance will include application of limestone and fertilizing with composted manure from our flock of ewes.

The grazing areas will be fenced and maintained throughout the life of the farm to provide protection and rotational grazing for the ewes. This undertaking will provide private grazing areas for the flock of ewes owned by LochLeven Farm.

Our flock of ewes will be raised free range. This will eliminate large piles of manure and allows for grazing animals to naturally fertilize fields. Natural riparian buffer zones left around sensitive areas will protect water sources. These buffer zones will also provide long term habitat for wildlife.

During the operation period, we will continue to follow the recommendations in the Agriculture guidelines to prevent surface water pollution and mitigate surface runoff from entering the adjacent river:

- Land will not be cleared within 30 meters of surface water and vegetated buffers will be maintained.
- In areas of runoff, filter fabric and settling ponds will be used to receive all drainage and will be maintained regularly.
- Provide proper transport and storage of substances harmful to fish.
- Refueling and maintenance of equipment to be performed on level ground and at least 100 meters from any surface water.
- Emergency spill kits will be kept on site to be available as required.

Operation of this undertaking will follow the Environmental Guidelines for Livestock Producers, the Environmental Protection Act, 2002 and the Environmental Assessment Regulations. During operation, we will not be altering any water bodies or drilling any wells. We will not require use of river water in this undertaking.

v. Occupations:

0821 Farm Manager.

7521 Heavy Equipment Operator.

8431 General Farm Worker.

APPROVAL OF THE UNDERTAKING:

1. Department of Fisheries and Land Resources - Crown Lands Lease.
2. Department of Municipal Affairs and Environment - Environmental Assessment Registration.
3. Department of Fisheries and Land Resources - Agriculture Crown Land Report (Farm Plan).
4. Department of Municipal Affairs and Environment - Water Resources Management Division.
 - Water use license if required
 - Permit to alter body of water if required
5. Department of Municipal Affairs and Environment – Pollution Prevention Division.
6. Department of Fisheries and Oceans - DFO self-assessment.

SCHEDULE:

The earliest start date for this undertaking is spring of 2019, as soon as conditions permit and continue until late fall. This undertaking will require 5 - 8 years to complete.

FUNDING:

This undertaking is not dependent on funding by government agencies. All costs will be covered by LochLeven Farm.

Jan 24, 2019

Date

Garry Fillier

Owner – Garry Fillier

Karen Fillier

Owner – Karen Fillier