

May 17, 2017

Environmental Assessment Division

P.O. Box 8700

St. John's NL

A1B 4J6

Project: Hatchery and Pasture Land

Location: Glovertown, NL

As requested, following this cover letter is an Environmental Assessment Registration of the undertaking, of Chaulk's Heritage Farm development.

Chaulk's Heritage Farm is proposed as a farming operation. Chaulk's Heritage farm will be family owned and operated .Future intentions include hiring additional employees with the intention to pass the business to my two sons Cary and Ethan.

The area to be developed will be 59 hectares of the highway on resource road, which is a gravel road . This area will be developed as a hatchery with intentions to sell one day old birds. Development of a utility shed, a barn, that will accommodate three cows for personal consumption, a feed storage shed, the remaining 49 hectares to be developed into pasture land.

I hope the following documentation will be sufficient in answering any questions. Please contact me for any other information needed. I can be reached at 709- 424-0086 or by email at chaulksheritagefarm@gmail.com.

Respectfully:

Cindy Chaulk

Name of the Undertaking : Chaulk's Heritage Farm

(I) Name of the Corporate body: Chaulk's Heritage Farm

(II) Address Glovertown

Newfoundland, NL, A0G 2L0

(709) 424-0086

(III) Chief Executive Officer:

Name: Cindy Chaulk

Official Title: owner/operator

Address: 53 Bayview Heights

Glovertown, NL, A0G 2L0

(709) 424-0086

(IV) Principle Contact Person For the Purpose of Environmental Assessment:

Name: Cindy Chaulk

Official Title: owner/operator

Address: 53 Bayview Heights

Glovertown, NL, A0G 2L0

(709) 424- 0086

The Undertaking

(I) Name of the Undertaking: Chaulk's Heritage Farm

(II) Purpose/Rationale/Need of the undertaking:

Being a new entrant to the agriculture industry, I currently do not own any land base on which to start my proposed plan of a hatchery and pasture operation.

I have always been interested and involved in the Agriculture Industry, as far back as I can remember my family always believed in being self sufficient of the land, and my concern over the availability of quality hay and natural forages like clover, timothy, triple mixtures. There is a high demand for one day old's in the Glovertown area. This has been increasing as back yard farmers look to produce their own food. The demand and feedback for these products has been so overwhelming and Chaulk's Heritage Farm is looking to expand in an effort to meet the demand.

Since having my hobby farm and growing all our own meats from beef, turkey, chicken, duck, and goose. I depend on other suppliers for hay products, which is in a high demand. During late winter and early spring hay supplies typically run low.

After extensive research for land I located a parcel of land which would be suitable site for such an operation, located west of Glovertown using access of the old highway. The land site will be for pastures that will be used for my animals as well as cutting the hay off the land to be sold to other backyard farmers and other livestock owners as well as the future buildings to help make the farm successful.

Employment would increase once we are up in full running capacity. It would range from student employment in the summer months to look over the hatchery, to part time employees at times of cutting and wrapping hay to use in winter months.

(III) Geographical Location:

This land is in the municipal town of Glovertown, 15 km west on Highway from Glovertown, 57 km east of Gander, NL. This land is not currently being used. Please see Figure 1 -3 below.



Government of Newfoundland & Labrador Department of Fisheries & Land Resources

NOTE TO USERS

The information on this map was compiled from land surveys registered in the Crown Lands Registry.

Since the Registry does not contain information on all land ownership within the Province, the information depicted cannot be considered complete.

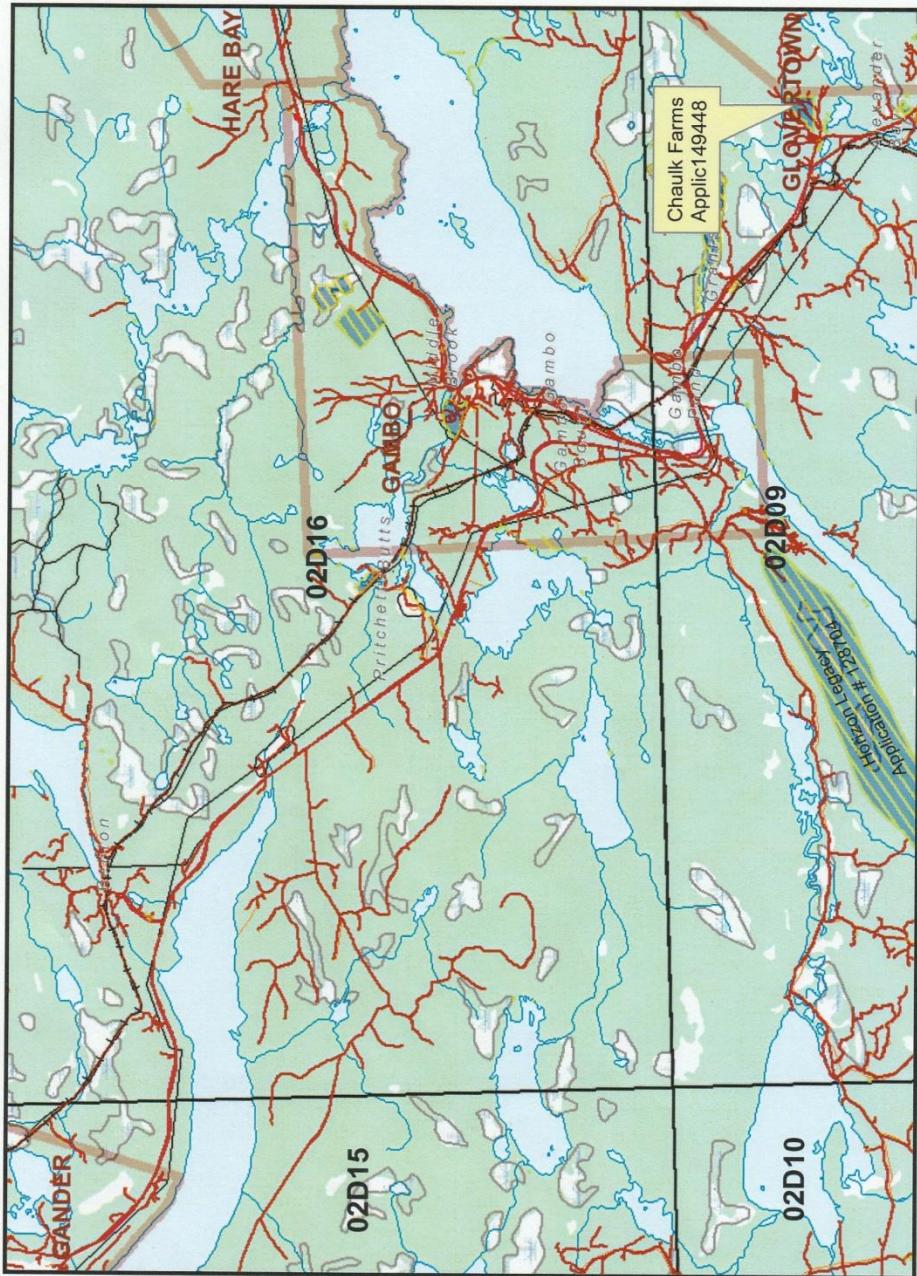
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For inquiries please contact
a Regional Lands Office.
Corner Brook - 637-2390
Gander - 256-1400
Clarenville - 466-4074
St. John's - 723-2654
Goose Bay - 896-2488



Crown Lands Administration Division

Scale 1:175,000
Compiled on April 27, 2017

Figure 1. Regional map



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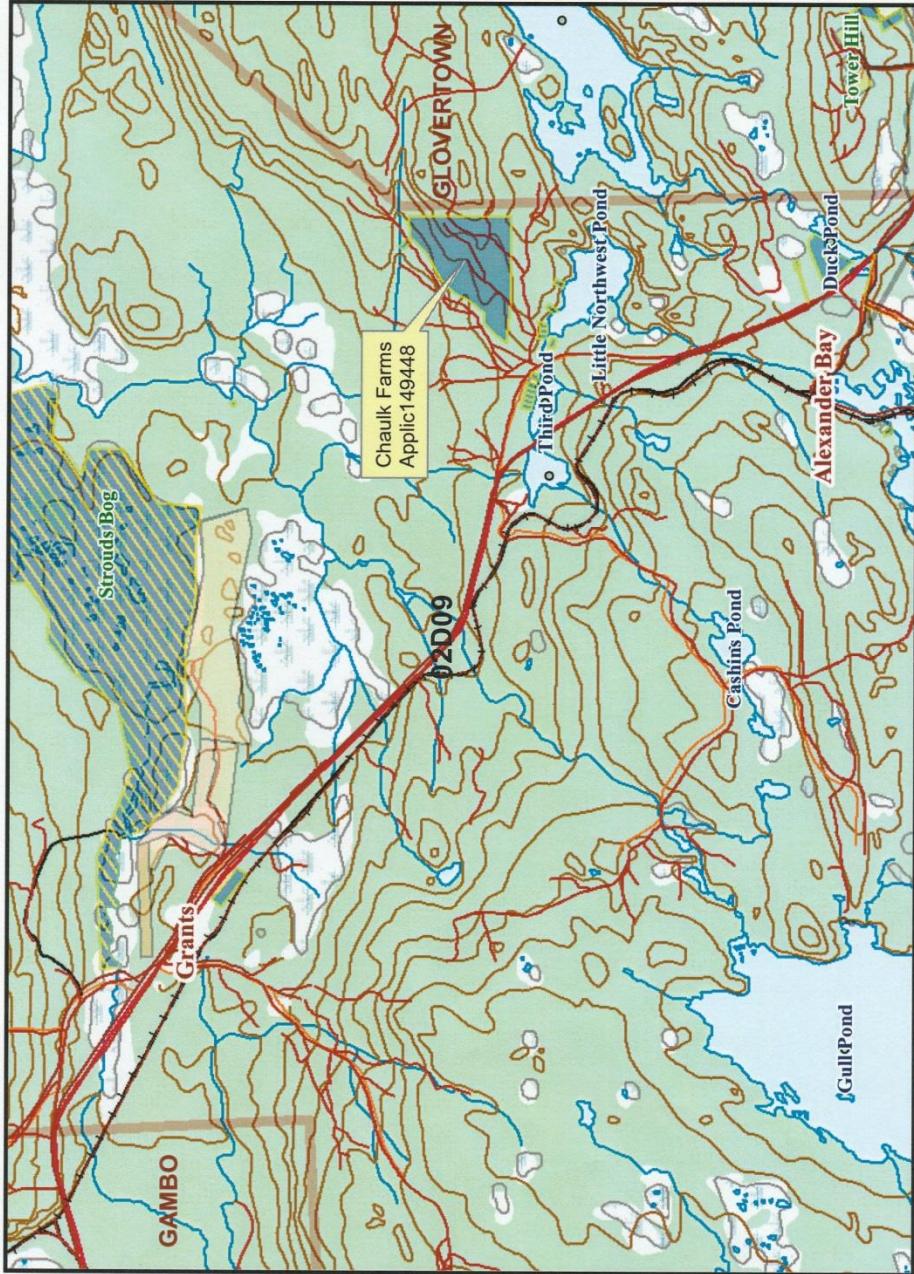
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Scale 1:50,000
Compiled on April 27, 2017

W N E S
0 700 1,400 2,100 2,800 3,500 4,200 4,900 5,600 Meters

Figure 2. Regional area

**Government of Newfoundland & Labrador
Department of Fisheries & Land Resources**



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Scale 1:20,000
Compiled on April 27, 2001

The red outlined area on the crown lands map is where the building will be built for up coming project. (Figure 4)



Figure 4. Building area (Phase 1) and the development plan. The yellow line with arrow pointing is Resource Road, which is a gravel road. Letter A: family residence CL application # 15113. (Separate application and will be adjacent of farm land on opposite side of road.)

First area to be developed would be the pasture with clearing and enhancing 12 hectares in preparation for hay for fall of 2017. Also the area outlined in red (Figure 4) will also be cleared to get ready for buildings to begin construction in year 2 of plan, which will include hatchery and other buildings (Figure 6). We will be using the logging road that's there now with plans of upgrading the road further into where buildings are located.

Year 2 Small barn (12x20x8) for ducks and geese. Flooring will be cement. Building will be used as shelter for birds when weather is bad.

There will be a hatchery building erected on land dimensions of building will be 20x28x10.

There will be a building erected for 2 adults cows and 1 calf, which will be raised for our own consumption. Building will be made with a cement floor, and wooden walls and shingles on the roof. Building will be mostly for shelter for cows to get out of the weather, as my cows are free ranging animals. This building will be 20 x 20 by 10.

Utility Shed will be erected 20x 36x 10. Utility shed will be divided into 2 rooms. One room will hold parts for machinery breaking down, different tools. Second room to hold fertilizers when the season starts for pasture lands.

Feed shed to be built will be 20x20x10. This will also have a cement floor, room will hold sacks of feed for animals during the winter which will be raised of the floor to keep moisture from getting into sacks. Proper ventilation to keep feed dry. Screened door as to keep rodents, insects out of room.

Year 3 of construction will entail completing building and clearing an additional 10 to 12 hectares to lime, fertilize and seed. Starting hatchery in preparation of selling day old goslings, and day old Peking ducklings to island wide buyers.

Year 4 of construction will entail more land clearing by 10 to 12 hectares to lime, fertilizing and seeding for hay growth.

Year 5 completion of land clearing from remainder of property which will be 10 to 11 hectares for the total of 59 hectares, cutting previous years hay to be used for storage for winter months and selling to island wide farmers to be used.

Government of Newfoundland & Labrador
Department of Municipal Affairs



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Scale 1:2,500

Compiled on February 16, 2017

Crown Lands Administration Division

0 35 70 140 210 280 Meters



Figure 6. Building layout. Building A: Hatchery, Building B: Utility Shed, Building C: Feed Shed, Building D: Cow Shelter and Building E: Duck /Goose Shelter.

The area in red will total 4 hectares for buildings and a road for a turn around for machinery, trucks and parking.

(VI) Operation

Hatchery will hold 4 incubators that can hatch 300 eggs at a time. This building will have cement flooring and built of lumber. The main purpose of the building is to hold up to 4 commercial incubators that will hatch out goslings, ducklings, for selling purposes of one day old's. The hatchery will be in operation from April to Aug, at which time the one day old's will be hatched and sold to consumers. The shells from the hatchery will be crushed and used as compost to spread of pasture. An artesian will be drilled by Squires Water Well Drilling, they will come out and assess the area once the plans are in place for the buildings, so as to not have any contamination in or around the well and water.

The geese and Peking ducks that I'm using will consist of 12 geese and 2 ganders and 12 hens (female ducks) and 2 drakes which is my own flock. Geese lay a egg a day from about the end of March to the beginning or end of Aug. Peking ducks lay 1 egg a day as well with the same similar cycle to geese. Eggs would be collected and placed in incubators. It is anticipated that there will be hatching every 10 days to the amount of 120 per hatch. This will continue to the end of the birds hatching cycle.

When goslings /ducklings hatch ,they will be held until their down dries which usually takes 12 hours. Once ready they will be sold to expecting buyers that have already per-ordered.

After each hatch the eggs will be crushed to be used in among the fertilizer as a calcium supplement on the pasture fields.

My breeding flocks are kept for 5 years before being replaced. The old breeding stock will be sold live or kept for personal consumption.

The manure from my ducks and geese per day will average 5.49 ounces of wet droppings per bird per day. This will naturally breakdown in the ground and dry in the sun. The bedding we use in the winter consists of dry hay. In spring, we remove the hay and till it to the ground for fertilizer. Geese do not require bedding in the summer months as they are free roaming.

Each spring we have a calf, which is raised for personal consumption. The manure from my adult cows which equals around 48 pounds each per day. During spring, summer and fall cows are out free roaming on pasture. During winter months stalls are cleaned on a need to be cleaned basis and stored until spring to be spread as fertilizer over pastures.

All buildings will have cement floors. This will make it easier to clean up of spent hay. This hay will also be used as compost to fertilize the pasture fields.

All buildings except cows, and ducks and geese will have electricity.

There will also be a family home close to the premises as to oversee all animals and building. There should be no complications from town as we are 15kms on the outskirts of Glovertown with the closet residence being 18 km away. As shown on Map 3.

Chaulk's Heritage Farm will be a family owned and operated by myself, with the help of family and friends, and future employees. After the necessary buildings are in place with the help of family.

There will be a farm tractor on site for cutting and conditioning the pasture lands. Along with all the attachments for processing hay for storage as not to mold or rot over the winter months. Hay will be wrapped in a plastic wrap to keep moisture in and will be stored outside on property.

(VII) Occupations.

Year 1 of Project will consist of removal of timber which will be done by Jim and Jeff Gordon who owns a local sawmill. Plans are to rough clear 10 to 12 hectares in preparation in seeding in fall of 2017. A local contractor for heavy equipment (noc 7521) will do clearing and enhancing land. An excavator and dump truck will be used for removal of stumps and rocks.

Year 2 of Project will consist of fertilizing and seeding of rough cleared land as well as construction of hatchery, cow barn and utility shed and feed shed. An artesian well to be completed for the hatchery. Electricity will be put in as well. Later in 2018 we will rough clear another 10 to 12 hectares to prepare for 2019. Local contractor will be hired to work along side with my husband to clear land with excavator and dump truck to remove stumps and rocks. All construction done through Year 2 until Year 5 will be done through Home Hardware and they will sub contract the work out to electricians (noc7241), carpenters (noc 7271), labourers,(noc 7611), cement finishers (noc 7282). Newfoundland Light and Power will be contracted to install poles to supply electricity to the farm building.

Year 3 of Project will consist of fertilizing and seeding of previous rough cleared land. Prepare another 10 to 12 hectares to rough clear land. First year of approximately 600 one day old's will be hatched out. Plans are to hire a student in the spring and summer months to help with hatchery. Also the student employee will help on a daily basis to keep track of temperatures in incubators and watching humidity, filling of water containers in the incubators and tracking temperatures in drying areas for the hatches. Student will help in removal and crushing of shells for preparation of spreading once hatching season is done. The student worker will be hired on a yearly basis once we are up and running with the hatchery.

Year 4 of Project will require another 10 to 12 hectares to be rough cleared , fertilized and seeded. Plans are to hire a part time person to help with cutting and wrapping and storage of hay. The seasonal worker will be hired in May and continue through until September. Their job description will help feed livestock, help with the fertilizing and seeding the areas that needs to be reseeded. Help upkeep with the machinery, as well as helping to store feed when needed. Helping with the preparation of hay cutting while drying on the fields. The worker will also help with wrapping of hay and storage of bales for the winter months. The seasonal worker will be hired on a yearly basis hence after.

Year 5 of project will consist of clearing an additional 10 to 12 hectares of land in preparation for farm. Hatchery will be in full working capacity of hatching 1200 eggs. All construction will be completed in this year.

Permits Required.

- Agriculture Lease
- Crown Lands
- Forestry
- Service NL
- Pesticides Applicator License
- Environmental Certificate Approval

Other approvals may be required

Schedule.

Hoping to begin timber and land clearing early spring of 2017.

Funding.

As a new entrant funding applications will be developed for submission to GF2 (Growing Forward 2) which is government - sponsored grants.