

TABLE OF CONTENTS – APPLICATION AQ#1428

- 1.0 APPLICANTS AQUACULTURE LICENSE/LEASE APPLICATION
- 2.0 APPLICANTS AQUACULTURE DEVELOPMENT PLAN
- 3.0 APPLICANTS DEVELOPMENT PLAN ADDENDUM
- 4.0 APPLICANTS SCOPING REPORT

1.0 APPLICANTS AQUACULTURE LICENSE/LEASE APPLICATION

Aquaculture Licence/Lease Application

Applicant Information:

Applicant: Grand Pass Oyster Ltd. Contact Person: Raymond d'Entremont

Nova Scotia Registry of Joint Stocks Number: 3322690

Revenue Canada Business Number: RC 0001

Telephone No. (Work): _____ (Home): _____ (Cell): _____

Fax No.: _____ E-mail: _____@gmail.com

Mailing Address: 4824 Hwy 340, Carleton Nova Scotia

Postal Code: B5A 5P9

Civic Address: 4824 Hwy 340, Carleton Nova Scotia

Postal Code: B5A 5P9

Proposed Site Information:

Location of Site: _____ County: _____ Site Size (Ha): _____

Site Dimensions: _____

Hydrographic Chart No.: _____

Approximate Center Coordinates: Latitude: _____

Longitude: _____

Received

21 FEB. 2019

Fisheries and Aquaculture
Shelburne, NS

Type of Licence Application

(Check appropriate boxes):

- Commercial licence/lease
- Experimental licence/lease

- Marine Plants
- Finfish
- Shellfish
- Other

Submit completed applications to:

Nova Scotia Department of Fisheries and Aquaculture, Aquaculture Division
1575 Lake Road, Shelburne, NS B0T 1W0
E-mail: aquaculture@novascotia.ca

All application information collected is subject to the Freedom of Information and Protection of Privacy Act ("FOIPOP") and will only be used or disclosed in accordance with FOIPOP.

By signing and submitting this form, I acknowledge that I have read, understand, and accept the above statements regarding the collection, use, and disclosure of the information provided on this form.

Signature of Applicant

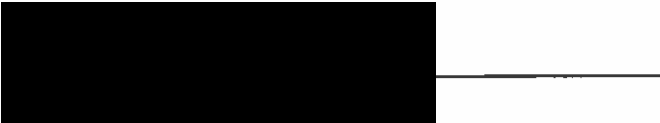
Date



Feb 21, 2019

Signature of Nova Scotia Department of Fisheries and Aquaculture Designate

Date



Feb 22/19

2.0 APPLICANTS AQUACULTURE DEVELOPMENT PLAN

*The development plan submitted by the applicant references AQ#1416 Bar Rock on the cover page, which is the Option Number associated with this application. The following Development Plan represents the application for License and Lease #1428 – Calf Island

AQUACULTURE DEVELOPMENT PLAN AQ#1416

CALF ISLAND

Raymond d'Entremont

4824 Highway 340
Carleton, NS B5A 5P9

[REDACTED]
[REDACTED]@gmail.com

Section 1

The Optimum Use of Marine Resources



This development plan is for the cultivation of American oysters in Yarmouth County on the South Western tip of the province.

The proposed Calf Island site will be 8.7 hectares in size with the maximum production of over 1 million oysters on site. The farming method will be suspended culture using OysterGro cages.

The body of water is called La Grande Passe.

	Lat Degrees	Min	Secs	Long Degrees	Min	Secs
Calf island Centre	43	45	7.9776	65	53	4.3656

This site was chosen after considering several factors such as shelter, proximity to homes, fisher people, rock weed harvesters, navigation routes, and recreational boaters. After speaking with transport Canada, fishermen, and Acadian SeaPlants, there seemed to be no major issue and any concerns were addressed. This body of water is underutilized and is an asset to both the region and the province.

There was water quality data already available through a project managed by the Municipality of Argyle to develop aquaculture as it was deemed an economic development priority of council. Further testing was done, and it is believed the site will be able to support oyster growth.

This new aquaculture site will provide employment and support a great number of businesses in the region. Should any of the lucrative fisheries in the region suffer unfavorable times, this industry could provide much needed employment for these displaced workers.

It is an environmentally friendly venture, and we are committed to help feed an expanding global population, and also play a role in healing marine ecosystems in a sustainable way.

“Growing the economy one oyster at a time.” Raymond d’Entremont

Section 2

The Contribution of the Proposed Operation to Community & Provincial Economic Development



2.1 Production Plan

Species: American Oysters

Gear Unit Types: OysterGro suspended system

Gear unit size: 5.5' x 3.5' (1.67m x 0.9m)

450 maximum number of gear units

Maximum number of lines 30

Length of lines: 251 ft (76.5 meters)

See figures 1 and 2 on the next page

Maximum shellfish introduced: 270,000 oysters

Maximum shellfish on site 1,215,000

Seed source: Sellicks Aquaculture Inc.

12344 Cascumpec Road

O'Leary PEI COB 1V0

Expected time to achieve maximum production is 6 years

2.2 Infrastructure

The Calf Island site is 3.5 kilometers from property owned by the proponent.

His property is on the Head of Roberts Island Road.

The owner will be using his barge, a 38-foot aluminum vessel, transported via his boat trailer.

There should be no need to use any of the public wharves, however there are four wharves less than 6 kilometers away.

2.3 Services and Suppliers

- Sellicks Aquaculture Inc., seed supplier from PEI, annual basis
- Vernon d'Eon Fishing Supplies Ltd, local business, ongoing basis
- Paul's Marine Ltd., local business, ongoing basis
- Bouctouche Bay Industries, supplier from NB, annual basis
- Eel lake Farm, ongoing basis for sale of product and support
- Cataviller, Boat repair, ongoing basis
- D'Entremont Electrical and Plumbing, ongoing basis
- Home Hardware, ongoing basis
- Napa Auto parts, ongoing basis
- Tusket Ford, ongoing basis
- Philip LeBlanc marine, Saulnierville, ongoing basis
- Canadian Tire Yarmouth, ongoing basis
- Comeaus Seafoods (welding division), ongoing basis
- Wedgeport Boats, ongoing basis
- Toromont Cat, equipment rental, ongoing basis
- Municipality of Argyle, aquaculture water testing, ongoing basis
- Department of Aquaculture and Fisheries, licenses
- Roy and P machine, ongoing
- A F Theriault, ongoing basis
- Nordic Marine, Yarmouth, ongoing basis
- McKay Marine, Yarmouth, ongoing basis
- MCT Insurance, Pubnico Branch, ongoing basis
- IC Fish smokers, pressure washing, yearly basis
- CWD Law inc.,Halifax, ongoing basis
- Conrad Hurlburt LeBlanc, Yarmouth, accounting services
- Aquaculture Association on Nova Scotia, ongoing basis

- [REDACTED], View Point realty, land purchase
- Nickerson, Jacquard, Fraser law firm, land purchase
- Alix d'Entremont GIS technician, underwater transect videos

2.4 Employment

The new aquaculture site will provide employment for 6 people.

Full time positions: 3 (manager, technical/ labourer)

Seasonal positions: 3 labourers



2.5 Other Economic contributions to the local company and Province

Aquaculture provides employment in areas such as: processing plants, offices, labs, hatcheries, system/cage building, maintenance, supply and service areas. More and more, young people are looking to become entrepreneurs and start their own farms. Some may also see the aquaculture industry as a means to make a living when other fisheries become less successful. A relationship between those who fish the waters, and those who farm the waters can be created in communities and they can work together to create sustainable farms in the interests of the people.

The growth of aquaculture in the region will promote the region as a place to do business, and a place to visit. Tourism, especially with farm tours, and the promotion of the oyster as a delicacy, will grow. The ferry to Maine opens the door to welcome tourists to experience our way of life.

Marketing worldwide will involve numerous partners and provide employment to persons outside our municipality.

In closing, we must remember that aquaculture is necessary worldwide to help the environment by reducing our dependency on the natural capacity of the ocean.

2.6 Financial Viability

There are no changes to the financial information submitted for the Request for an Aquaculture Option to Lease.

2.7 Adverse Economic Impacts

There appears to be no adverse economic impact. In the future property values may be impacted by the development but mitigating factors to this site include limited access or no access.

Section 3

Fisheries Activities in the Public Waters Surrounding the Proposed Aquacultural Activities



3.1 Status of Fisheries Activities

Landed fish products in the Municipality of Argyle totaled 121 million in 2017. A wide variety of boats leave our wharves daily to fish haddock and other ground fish, herring, lobster and scallops to name a few species.

Not all species named are fished in the warmer and shallower waters of La Grande Passe, but there is evidence of lobster fishing in the area, and rock weeding on the shores.

3.2 Impacts on Fisheries Activities

The introduction of an aquaculture site at Calf Island will not greatly impact the existing fisheries activities. There were few lobster traps near the site in December, however they were in the channel outside the site plan as the water is deeper there. According to the Municipality of Argyle, they reported the same placement of lobster gear in the month in May. We shared a site plan with rockweed lease owner Acadian Seaplants, and they suggested the north side of the site plan be modified to allow 190 meters from the shore. After the modification was done, Acadian Seaplants reviewed the site plan and confirmed there was enough room to perform their work.

Section 4

Oceanographic and Biophysical Characteristics of the Public Waters



4.1 Oceanographic Environment

The site is in a body of water known as La Grande Passe, in the county of Yarmouth Nova Scotia. La Grande Passe is west of the community of Robert's Island.

La Grande Passe is a wide passage as its' French name suggests. The widest area of the passage is 1.1 kilometers; the narrowest is 340 meters, and it is just over 5 kilometers in length.

The flow speeds range between 1.5 and 2.5 m/s.

The approximate tidal range is measured to be 1.8 m to 3.7 m.

This area is classified as approved, according to the Environment Canada Shellfish Classification for the coastline of the Municipality of Argyle as of May 2016.

4.2 Baseline Environmental Monitoring

This site has had 15 months of regular water testing by both the municipality of Argyle and the Laboratory for Innovation and Science Industry (Sainte Anne University). The following are the average results of the testing period. Salinity, pH, and phytoplankton are crucial to oyster growth and these results appear to support an environment to grow an exceptional oyster.

pH 7.83

Salinity 22.85

Ammonia 0.05

Nitrate 0.28

Nitrite 0.30

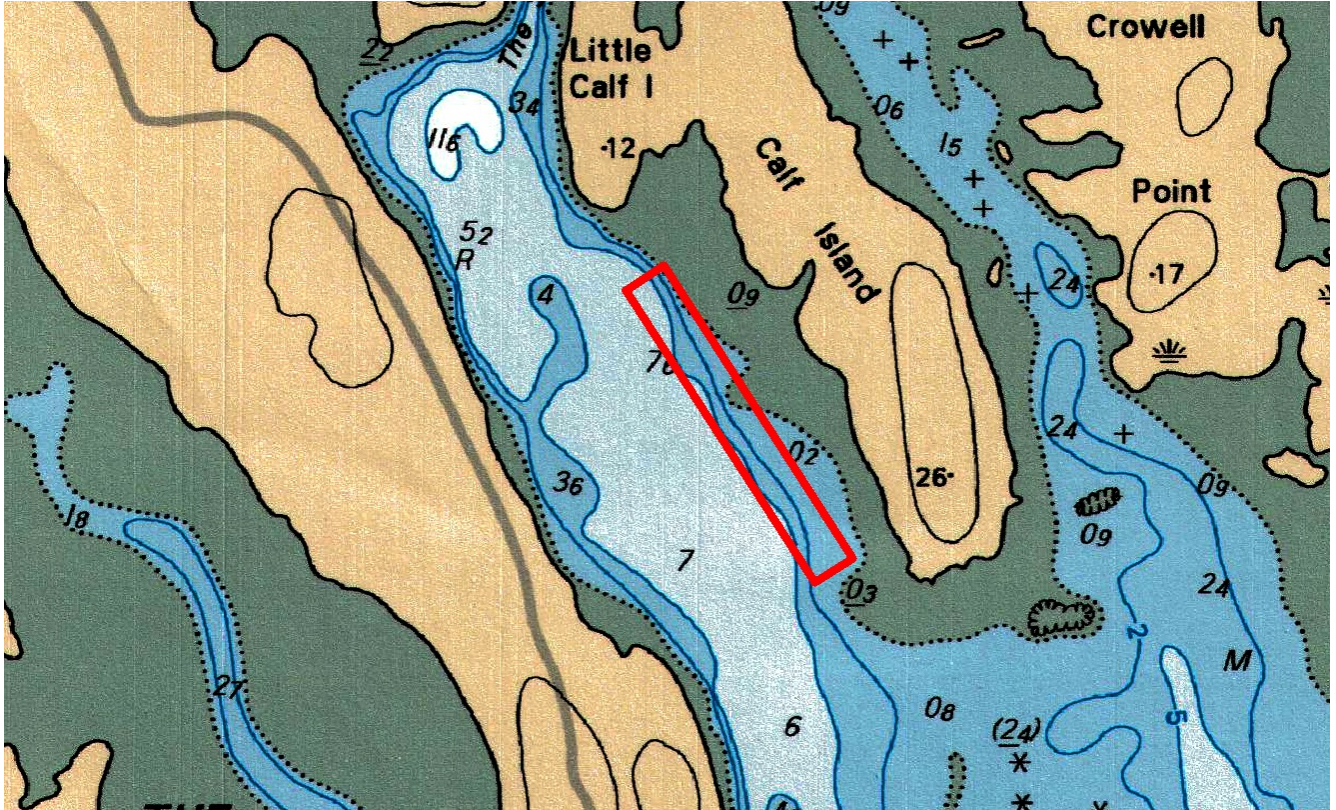
Phosphorous 0.09

Silicon 0.49

Phytoplankton at 40x 4.40

Phytoplankton at 400x 534.00

4.3 Site Design



Calf Island

Raymond d'Entremont Aquaculture Lease Area



Section 5

The Other Users of the Public Waters Surrounding the Proposed Aquacultural Operation



5.1 Description of other users

- Near the Calf Island site is an island called Calf Island. It is owned by [REDACTED] [REDACTED] from Massachusetts, USA. Currently there are no structures on the island.
- There is boat traffic, and in the summer months there could be a few pleasure crafts daily.
- There is commercial boat traffic near the site. Lobster boats tend their gear in the deeper channel, away from the proposed site. Rockweed harvesters are present on the shores during the harvesting season. Acadian Sea Plants assured us that there was plenty room for the rockweed harvesters to do their work safely.
- There is a public wharf 2.3 kilometers to the southwest used for lobster boats.

5.2 Significance of Proposed Area to Wildlife

Present in the proposed area are harbour seals and ducks. This area is not an important migratory area for any ducks according to avid birder and GIS technician Alix d'Entremont.

Ten kilometers to the south, on Gull Island, there is a roseate tern colony. The roseate tern has been designated a "Threatened Species" by the Committee on The Status of Endangered Wildlife in Canada. The terns once inhabited "The Brothers", but in 2017 they moved, likely due to the severe erosion on the Brother Islands.

5.3 Impacts to other users including wildlife

There is much positive impact to other of this development area, including wildlife.

- Oysters filter their environment, allowing for more light to penetrate to the bottom. This allows for a better environment for marine habitat.
- Suspended culture oyster farms report that their farms are often a perching site for sea birds. They also report that the cages create a shelter for a variety of small sea creatures, including eels.
- Boaters, both for pleasure and commercially, will have to maneuver around the site. In a conversation with Transport Canada on October 18th, it was confirmed that there was more than enough room for the boaters to safely work and play near the site. The proponent will stay within the boundaries defined on his lease and will respect the rules and regulations set by the department of Aquaculture and Fisheries.
- Regarding safety on the waters near the site, having a site with employees will put more people on the water, therefore adding a helping hand should another boater become in trouble.

5.4 Impacts by other users including wildlife

Droppings left by the birds on the OysterGro gear could impact the site. It raises concerns related to the sanitation and to the general public image around food safety.

There are many publications, both from government and private sources, which offer remedies; some as complex as an irritant tape, or as easy as sinking cages or bags for a period of time.

Section 6

The Public Right of Navigation



6.1 Navigation Protection Act (NPA) approval

Section 7

The Sustainability of Wild Salmon



7.1 Identification of local salmon populations

There is no local salmon population to the best of my knowledge.

7.2 Support of the sustainability of wild salmon

Of course, our farm management plan would give consideration and support the sustainability of wild salmon if there was to be a salmon population regrowth. According to the Nova Scotia Salmon Association, rivers such as the Tusket, Medway and the Mersey, that once had prolific runs have been rendered extinct.

Section 8

The Number and Productivity of Other Aquaculture Sites in the Public Waters Surrounding the Proposed Aquacultural Location



8.1 Identification of other aquaculture sites

In the Municipality of Argyle, there are currently 5 oyster leases. They are owned by:

Eel Lake Oyster Farms AC# 0911 and AC# 1314 are in Eel Lake. They are suspended culture gear for American Oysters and are approximately 4.25 kilometers from the Calf Island site. They also have AC# 1400 in nearby Salt Bay, 2.6kms from the proposed Calf Island site.

Also in Eel Lake [REDACTED] has AQ# 1087 and AC# 1326. They are both suspended culture gear for American Oyster and are approximately 7.0 kilometers from the Calf Island site.

There are also in the Municipality of Argyle 5 finfish leases according to the Aquaculture and Fisheries mapping tool. They are all owned by Ocean Trout Farms Inc. There are 4 in Lobster Bay (AC# 0912, 0899, 0900, 0770), and 1 in Pubnico Harbour (AQ# 0955). There appears to be no activity at these sites, however 4 were granted for Rainbow Trout only and 1 was granted for Atlantic Salmon and Rainbow Trout. The closest site is 7.0 kilometers from the proposed Calf Island site.

8.2 Interactions with other aquaculture operations

Eel Lake Farms, their farm practices and their excellent product, are highly regarded in the community and in the province.

They have been instrumental in my decision to invest in aquaculture and have shared their best practices with me.

I have assisted them on their sites as a laborer and have taken drone footage of their sites showing them at work on Salt Bay. The results were spectacular and greatly appreciated by Eel Lake Farms.

They attended the public consultation meeting as part of the scoping in December 2018, and even brought and shucked a few oysters afterwards for the public, as I interacted and answered questions with those in attendance.

They fully support and welcome my investment in new aquaculture sites in the region.

3.0 APPLICANTS DEVELOPMENT PLAN ADDENDUM

*The following is additional information submitted by the applicant in response to consultations undertaken under Section 14 of the Aquaculture License and Lease Regulations.

Alix d'Entremont


[@hotmail.com](mailto:)

Current Employment:
Geographic Information System Technician
Argyle and Yarmouth Municipalities
27 Courthouse Road, Tusket, Nova Scotia, Canada
B0W 3M0
Work +1-902-648-3166
gistech@munargyle.com

EDUCATION:

2004 – 2008

Completed Bachelor of Science in Geomatics Engineering
University of New Brunswick (UNB), Fredericton, New Brunswick, Canada.

2003 – 2004

Enrolled in the Bachelor of Computer Science Program
Acadia University, Wolfville, Nova Scotia, Canada.

2003

Graduated from École Secondaire de Par-En-Bas
Tusket, Nova Scotia, Canada.
Bilingual (English and French)

AWARDS:

Edwin Jacob Special University Scholarship (UNB: 2004-2005)
Edwin Jacob Special University Scholarship (UNB: 2005-2006)
Sodexo Scholarship (UNB: 2006-2007)
Edwin Jacob Special University Scholarship (UNB: 2007-2008)
Dean's List (UNB: 2004-2005, 2005-2006, 2007-2008)

RELATED EXPERIENCE:

2018 – Present

Board Member of the Nova Scotia Bird Society.

2017 – Present

Coordinator of the Yarmouth Christmas Bird Count.

2017 – Present

Editor of *Nova Scotia Birds*, the Nova Scotia Bird Society Magazine.

2016 – Present

Contract work for the Canadian Wildlife Service carrying out colonial seabird surveys in Nova Scotia during June and July.

2016 – 2017

Bird monitoring for Public Works and Government Services Canada at the site of restoration of the lighthouse on Cape Sable, Shelburne County.

2015 – Present

Providing the Nova Scotia Nature Trust with information on possible lands for conservation in southwestern Nova Scotia. Taken on the role of Nova Scotia Nature Trust Property Guardian for the Bald Islands, Yarmouth County.

2015 – Present

Regional Representative (Shelburne/Yarmouth Counties) for the Nova Scotia Bird Society.

2015 – Present

Roseate Tern observation and tracking for research projects under the supervision of Dr. Shawn Craik of Université Sainte-Anne, Church Point, Digby County.

2015

Provided input on a Wildlife Management Plan for the Yarmouth International Airport.

2014 – Present

Section Editor for *Nova Scotia Birds*, a quarterly journal published by the Nova Scotia Bird Society.

2014 – 2017

Regional Editor for *North American Birds*, a quarterly journal of ornithological record published by the American Birding Association.

July 2015

Location scout and field assistant for a team of researchers from the University of New Hampshire (Dr. Adrienne Kovack) and the University of Maine (Dr. Brian Olsen) that were capturing and processing Nelson's Sparrows in southwest Nova Scotia.

2015 (Spring)

Forested Wetland Bird Surveys for the Nova Scotia Department of Natural Resources

2013 (Spring)

Bird surveys on multiple islands to determine conservation importance for the Nova Scotia Nature Trust.

2013 (Spring)

Bird survey (one occasion only, filling in for someone else) for a future wind turbine site at Atwoods Brook, Shelburne County.

2012 – Present

Member of the Nova Scotia Bird Society.

2012 – Present

Photographing birds for artistic purposes and documentation and having my work published in *Nova Scotia Birds*, *North American Birds*, government documents, the *Maritime Breeding Bird Atlas* and other

publications. I currently use a Nikon D7000 paired with a Nikon Nikkor 300 mm f/4 lens. My photographs can be accessed here <https://www.flickr.com/photos/alixd/>.

2011 – Present

Thousands of hours of field birding experience, land-based and pelagic (6 offshore trips), mostly in Nova Scotia, but also in Australia and England. World life list at 468 species (299 for Nova Scotia alone). Entering bird sightings in <http://ebird.org> since late 2012.

1999 – 2002

Periodic assistant for a Northern Gannet social attraction project on Gannet Rock, Yarmouth County, led by Ted d'Eon (<http://teddeon.com/gannrep.html>).

1997 – Present

Periodic assistant for Roseate Tern research and conservation on the Northern Brother, Yarmouth County, led by Ted d'Eon (<http://teddeon.com>).

PUBLICATIONS:

MacAulay, K, A. d'Entremont. (*in press*). Nova Scotia's First Hooded Oriole. *Nova Scotia Birds*. Vol. 61 (1)

d'Entremont, A. (2019). Icterids to House Sparrow. *Nova Scotia Birds*. Vol. 60 (4), p. 21

d'Entremont, A. (2019). Sparrow to Dickcissel. *Nova Scotia Birds*. Vol. 60 (4), p. 20

d'Entremont, A. (2019). Skua through Terns. *Nova Scotia Birds*. Vol. 60 (4), p. 12-13

Dain, J., A. d'Entremont. (2019). Bitterns and Herons. *Nova Scotia Birds*. Vol. 60 (4), p. 9

d'Entremont, A. (2018). Icterids to House Sparrows. *Nova Scotia Birds*. Vol. 60 (3), p. 18

d'Entremont, A. (2018). Fencing the "Forest" on Cape Sable. *Nova Scotia Birds*. Vol. 60 (3), pp. 29-30

d'Entremont, A., J. Kearney. (2018). Heron & Egret Influx in Atlantic Canada. *Nova Scotia Birds*. Vol. 60 (3), pp. 23-28

d'Entremont, A. (2018). Icterids to House Sparrows. *Nova Scotia Birds*. Vol. 60 (3), p. 18

d'Entremont, A. (2018). Sparrows to Dickcissel. *Nova Scotia Birds*. Vol. 60 (3), p. 18

d'Entremont, A. (2018). Skua through Sulids. *Nova Scotia Birds*. Vol. 60 (3), p. 12

Dain, J., A. d'Entremont. (2018). Bitterns and Herons. *Nova Scotia Birds*. Vol. 60 (3), p. 9

d'Entremont, A., E. Mills, J. Walker, K. McKenna, D. McCorquodale, F. Lavender, A. de Champlain, M. Dennis. (2018). Seawatching in Nova Scotia. *Nova Scotia Birds*. Vol. 60 (2), pp. 23-35

d'Entremont, A. (2018). Icterids to House Sparrow. *Nova Scotia Birds*. Vol. 60 (2), p. 18

d'Entremont, A. (2018). Gulls to Alcids. *Nova Scotia Birds*. Vol. 60 (2), pp. 11-12

d'Entremont, A., J. Kearney. (2018). October 2017 Fallout. *Nova Scotia Birds*. Vol. 60 (1), pp. 47-57

d'Entremont, A. (2018). Pubnico Pelagic 2017: The Big One. *Nova Scotia Birds*. Vol. 60 (1), pp. 40-46

- d'Entremont, A. (2018). Icterids to House Sparrow. *Nova Scotia Birds*. Vol. 60 (1), p. 39
- Dennis, M., A. d'Entremont. (2018). West versus East: Identification of a Meadowlark. *Nova Scotia Birds*. Vol. 59 (4), pp. 33-36
- d'Entremont, A. (2018). Icterids to House Sparrow. *Nova Scotia Birds*. Vol. 59 (4), pp. 27-29
- d'Entremont, A. (2017). Atlantic Provinces & St. Pierre et Miquelon. *North American Birds*. Vol. 70 (1).
- d'Entremont, A. (2017). Icterids to House Sparrow. *Nova Scotia Birds*. Vol. 59 (3), pp. 41-42
- d'Entremont, A. (2017). Icterids to House Sparrow. *Nova Scotia Birds*. Vol. 59 (2), pp. 38-39
- d'Entremont, A. (2017). Nova Scotia's Second Calliope Hummingbird. *Nova Scotia Birds*. Vol. 59 (1), pp. 70-71
- d'Entremont, A. (2017). Icterids to House Sparrow. *Nova Scotia Birds*. Vol. 59 (1), pp. 68-69
- Seeler, D., A. d'Entremont. (2016). Atlantic Provinces & St. Pierre et Miquelon. *North American Birds*. Vol. 70 (1).
- d'Entremont, A. (2016). Surveys of Colonial Breeding Birds in Nova Scotia, Summer 2016. *Nova Scotia Birds*. Vol. 58 (4), pp. 49-56
- d'Entremont, A. (2016). Icterids to House Sparrow. *Nova Scotia Birds*. Vol. 58 (4), pp. 44-46
- d'Entremont, A. (2016). A Kamchatka Gull at Meteghan, Nova Scotia. *Nova Scotia Birds*. Vol. 58 (3), pp. 53-58
- d'Entremont, A. (2016). Nova Scotia's Second Rock Wren: A New Historical Record. *Nova Scotia Birds*. Vol. 58 (3), pp. 47-49
- d'Entremont, A. (2016). Icterids to House Sparrow. *Nova Scotia Birds*. Vol. 58 (3), pp. 44-46
- d'Entremont, A. (2016). Icterids to House Sparrow. *Nova Scotia Birds*. Vol. 58 (2), pp. 35-36
- d'Entremont, A. (2015). An Apparent Western Marsh Wren (*Cistothorus palustris cf. laingi*) in Nova Scotia. *North American Birds*. Vol. 68 (4), pp. 461-463
- d'Entremont, A. (2015). Atlantic Provinces & St. Pierre et Miquelon. *North American Birds*. Vol. 69 (1), pp. 49-51
- d'Entremont, A. (2015). Icterids to House Sparrow. *Nova Scotia Birds*. Vol. 58 (1), pp. 58-60
- d'Entremont, A. (2015). The Gannet Rock Experiment. *Nova Scotia Birds*. Vol. 58 (1), pp. 61-64
- d'Entremont, A. (2015). Icterids to House Sparrow. *Nova Scotia Birds*. Vol. 57 (4), pp. 35-37
- d'Entremont, A. (2015). Icterids to House Sparrow. *Nova Scotia Birds*. Vol. 57 (3), pp. 44-46
- d'Entremont, A. (2015). Cooper's Hawks in Nova Scotia. *Nova Scotia Birds*. Vol. 57 (3), pp. 50-57
- d'Entremont, A. (2015). A Puzzling Gull. *Nova Scotia Birds*. Vol. 57 (2), pp. 66-70
- d'Entremont, A. (2015). Icterids to House Sparrow. *Nova Scotia Birds*. Vol. 57 (2), pp. 35-37

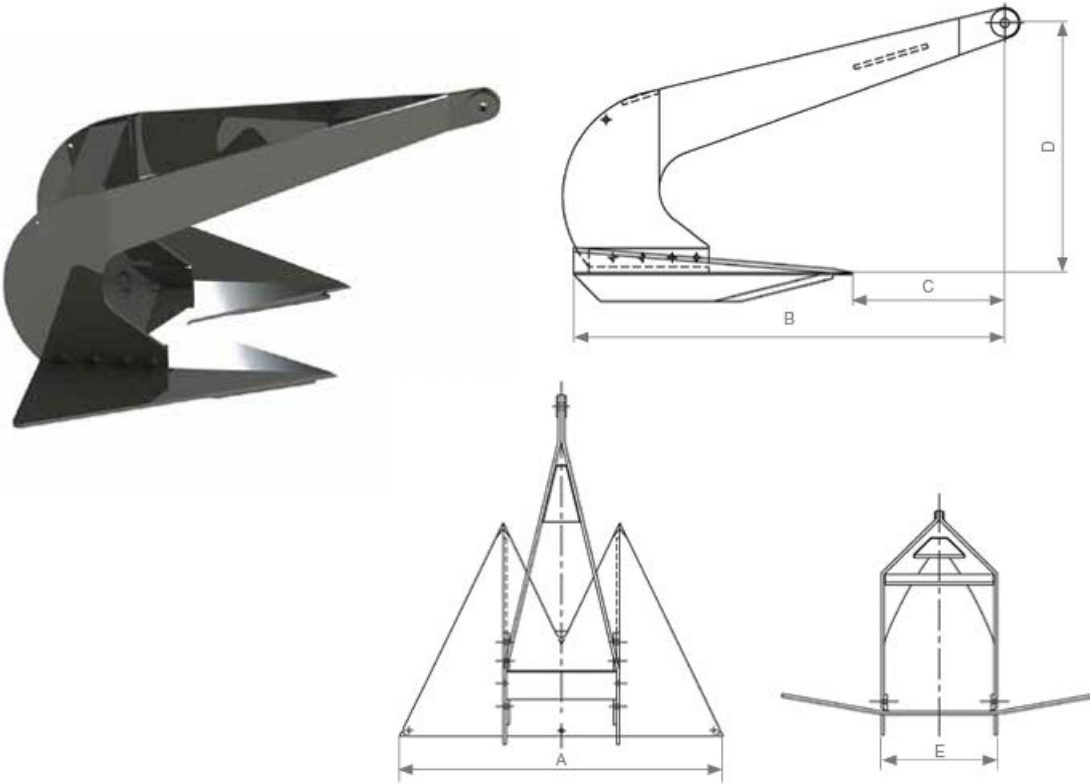
Stevens, B., A. d'Entremont, P. Brannon (2015). The Solitary Vireo Species Group in Nova Scotia. *Nova Scotia Birds*. Vol. 57 (2), pp. 62-66

d'Entremont, A. (2015). An Apparent "Western" Marsh Wren in Nova Scotia. *Nova Scotia Birds*. Vol. 57 (1), pp. 60-62

d'Entremont, A. (2015). Icterids to House Sparrow. *Nova Scotia Birds*. Vol. 57 (1), pp. 53-54

Anchor System

Stingray High Performance Anchors



Weight (kg)	Holding Power		
	Sand (tonnes)	Medium Clay (tonnes)	Silt (tonnes)
25	4.95	3.83	2.77
50	8.59	6.65	4.80

Weight (kg)	Color	Dimensions					
		A	B	C	D	E	F
25	Green	1013	1023	347	598	368	54
50	Yellow	1060	1070	363	625	385	58

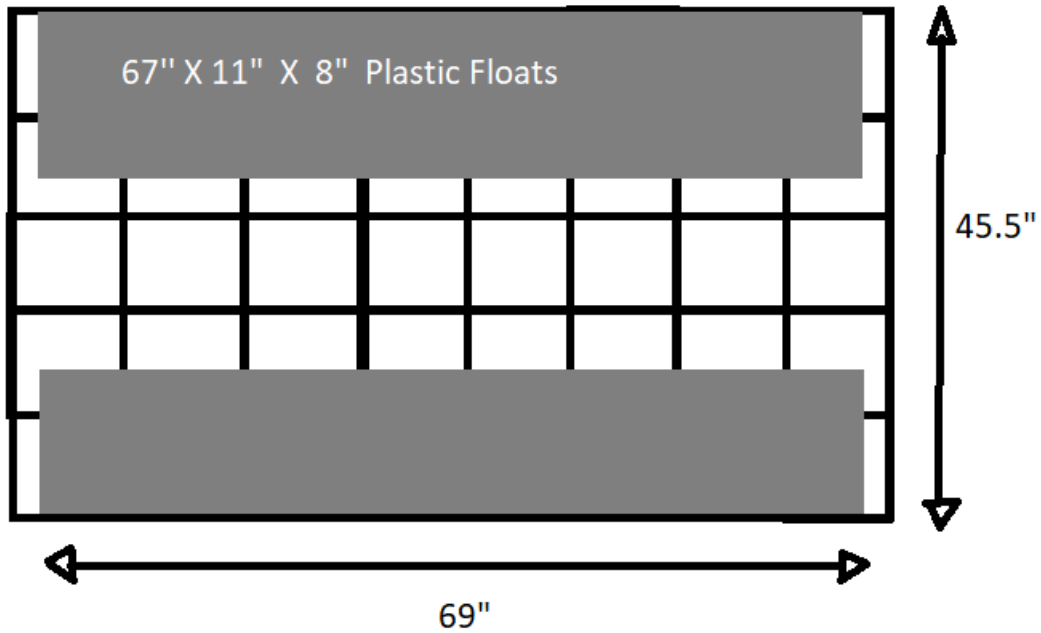
Dimensions are in Millimetre

I may have to use cement Anchors that will be 2ft X 2ft X 2ft that will weigh 1175 Lbs if the bottom is too hard for the stingray anchors.

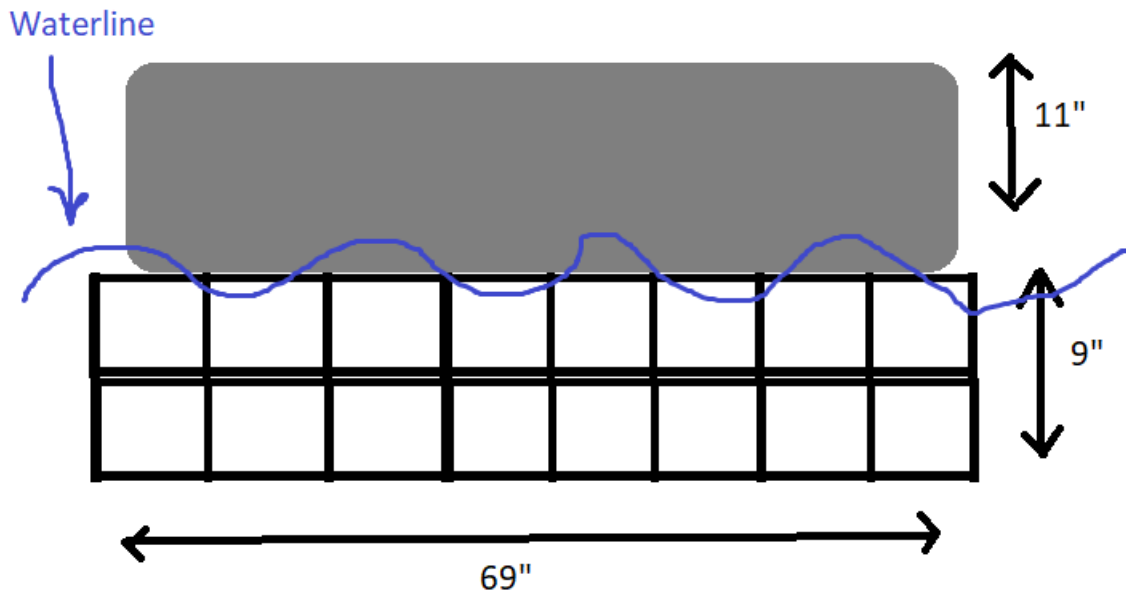
All anchors will be deployed from my barge with a hydraulic crane. Same as all cages, line and buoys.

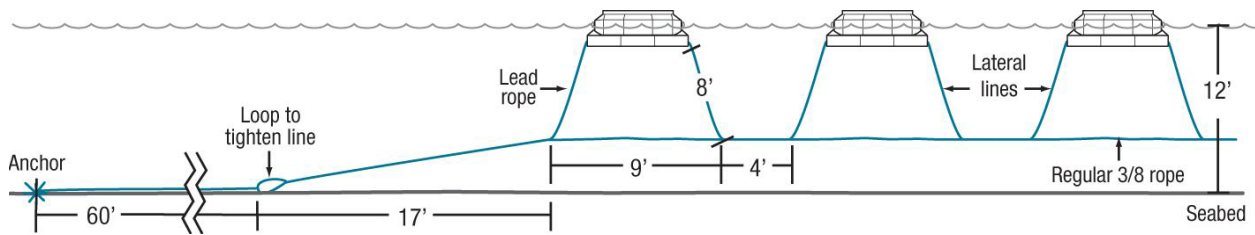
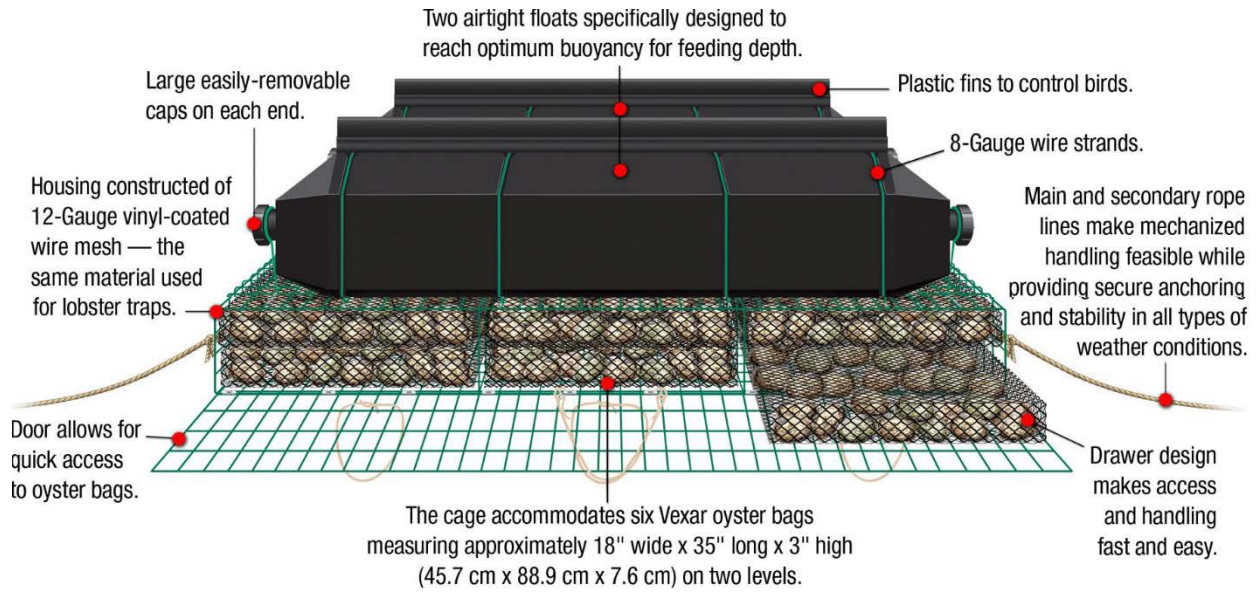
I plan to use the OysterGro system will be used on lease site: cages are 69''L x 45.5''W x 9''D. The cages are constructed of vinyl-coated wire, similar to lobster traps. Each cage holds six mesh bags. The cages float at the surface of the water held buoyant by two each 67'' x 11'' x 8'' black plastic floats with threaded caps at each end.

a. Single Structure Schematic – Top View



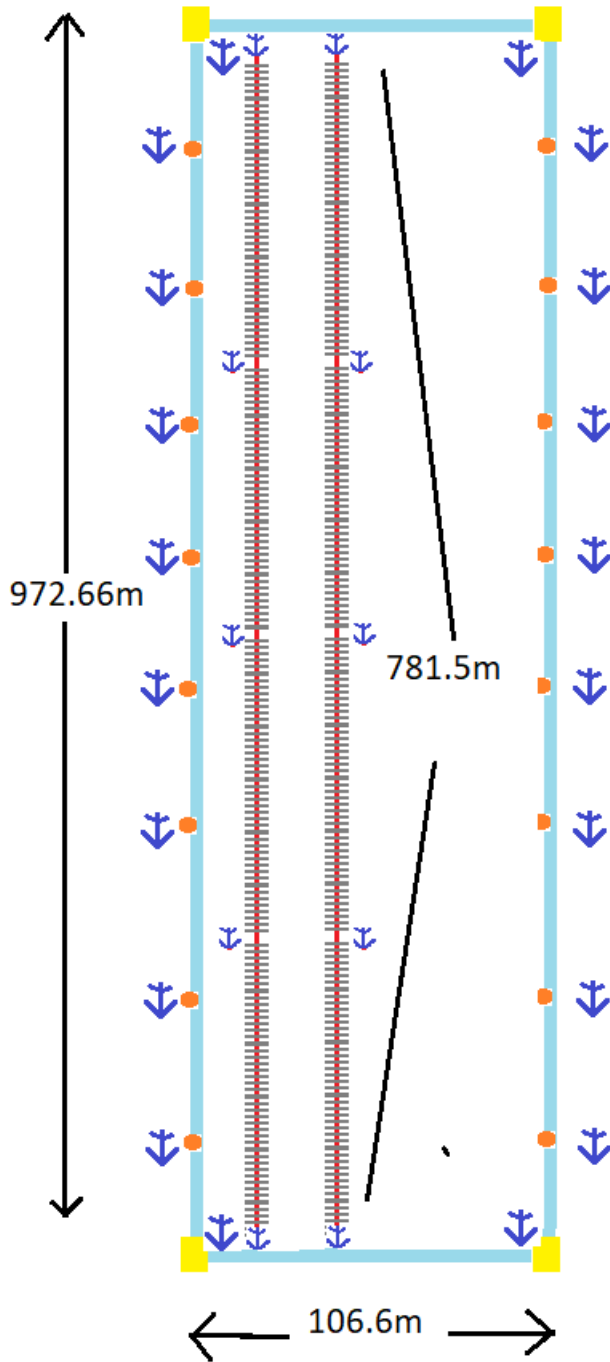
b. Single Structure Schematic – Cross Section





All Anchor Buoys, anchors and lines stay at the same spot year round.

Calf Island



Corner boundary buoy

Boundary buoy

Anchors

Lines 45 cage

Cages Line

total anchors =30

total Cages=360



4.0 APPLICANTS SCOPING REPORT

Grand Pass Oysters

Email: [REDACTED]@gmail.com

SCOPING REPORT



February 2019

SCOPING REPORT

April 20182
May 2018.....3
June 20184
August 2018.....5
September 2018 6
October 2018 7
November 2018 8
December 2018 10
January 2019 11

April 2018

Summary

In April I began searching daily for bodies of water, sheltered, away from homes, and navigation routes that would be suitable for an oyster aquaculture farm.

On April 28th, I received an ROI template (return on investment) from the Municipality of Argyle and began planning my future. By plugging in realistic numbers that I was willing to invest, and scouring the coastline of the Municipality of Argyle, my dream of being an aquaculture farmer began.



May 2018

- May 4th

I received the Shellfish Harvesting Mapping Tool

R & D was the reason for my visit to Boutouche Bay Industries in New Brunswick. There I saw their equipment and their farms. I received their project guidelines and learned how the OysterGro system could ensure that I would have a successful farm. A representative of their provincial government met with me to debrief me on the process to acquire a lease in New Brunswick.

- May 7th

I returned to Nova Scotia and requested an Option to lease application

- May 8th

Prepared a resume

- May 10th

I learned of two sites in Eel Lake that were for sale. I immediately checked them out however their equipment did not interest me. Therefore I worked on my Option to Lease Application

- May 11th Mun of Argyle did water testing of sites

- May 15th received from Boutouche Bay Industries an ROI template

- May 18th

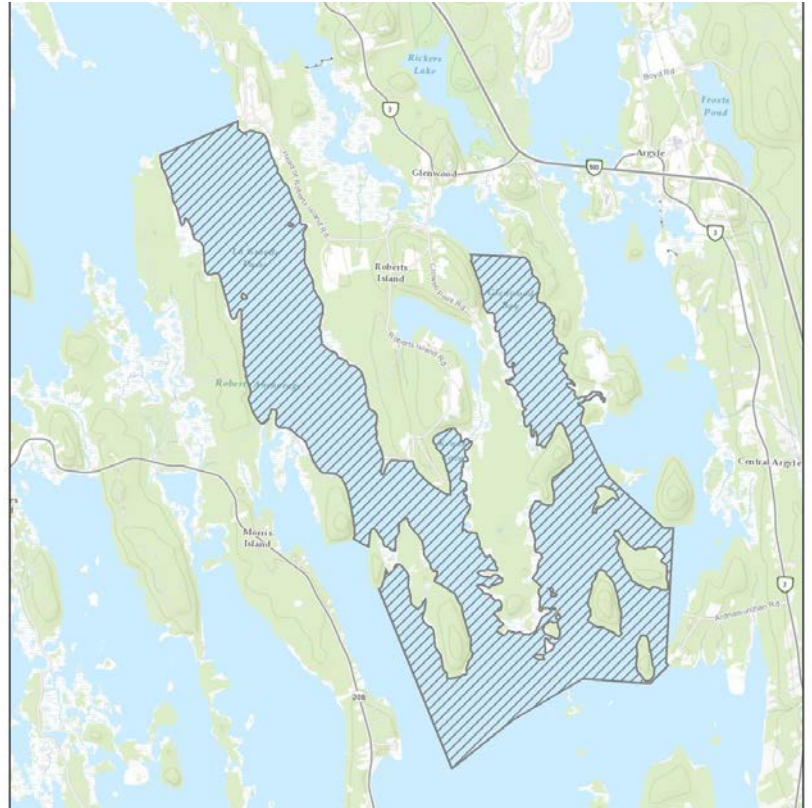
The municipality of Argyle with the Scientific and Innovation lab at University Ste Anne took water samples for analysis from many locations, including those areas I was interested in

- May 22nd

I had my initial meeting with Shelburne's Aquaculture and Fisheries Department

June 2018

- June 1st
I received confirmation that my application was received
- June 2 to 16th
I took the Departments advice that I may want to request a larger option area; the reason being that the area granted may be smaller than I anticipate. Therefore I physically checked out the water sites and location and sent in an admendment.
- June 18th
The GIS in Shelburne presented me with the amended map
- June 20th Mun of Argyle did water testing of sites



August 2018

- August 21st received from Boutouche Bay Industries their newest ROI business template
- August 24th The Option was granted
- August 25th I sailed the entire option area and Argyle River to further familiarize myself with the area. I met one pleasure craft in the option area.
- August 27th Because of recent repairs to my vessel, I sailed the option area to test the engine. I saw two pleasure crafts in the option area, but not near the proposed sites.
- August 29th and 30th My father and I spent both days sailing in the area to measured depths and currents. While there we studied the area, shelter, wildlife, and proximity to homes or camps. We saw one rockweeding boat near the Bar Rock site.
- August 31st I met the fisheries and aquaculture team in Shelburne to submit the fee associated with the option to lease

September 2018

- Sept 7th Emailed Megan Greenwood, licensing coordinator of Fisheries and Aquaculture, regarding the Rockweeders harvesting near the proposed sites.
- With the municipality of Argyle's work on their "business park on the sea" for aquaculture development, I worked to choose sites that would be best for growing and the least troublesome for any residents of the Municipality
- Sept 10th using the layers on the aquaculture mapping tool, as suggested by Megan Greenwood, I was able to see where the rockweed harvesting sites were, and who was lease holder.
- Sept 11th received an updated ROI template with new pricing from Bouctouche Bay Industries
- Sept 18th spoke with Tom Smith, executive director of the AANS, and also Ken Donnelly, about assistance with scoping and the upcoming meeting. They shared forms for use at the public meeting and confirmed that they would attend.
- Sept 18th received the finalized site maps from the Municipality of Argyle's GIS planner
- Sept 19th Inquire about land on Robert's Island for future water access to sites and future development
- Sept 23rd while scoping the area and the land on Robert's Island, I spoke the adjacent property owner [REDACTED] about my future plans. She is co-owner of a large mink operation. Both she and her husband are familiar with the oyster industry as they used to own a farm off of Wedgeport. They had no issues with my proposed project.
- Sept 28th Attended Halifax's Oyster Festival. There I had the opportunity to speak with [REDACTED] from PEI. He is the president and CEO of Atlantic Shellfish. He was interested in my project and offered assistance and advice anytime.

October 2018

- Oct 18th I, along with [REDACTED], the community development Officer for the municipality of Argyle attended a meeting at the Shelburne Fisheries and Aquaculture meeting. Present were staff from the Shelburne department, representatives from DFO, Melanie Leblanc of Transport Canada, and Korey Mabee from the Coastal Resources Canada department (CRC). There I was given the opportunity to ask questions and update all departments on the proposed site development.
- Oct 22nd I spoke with John Sullivan from Dept of Public works about the zoning of the land in Roberts Island for future development
- Oct 23rd a date was set for the Public consultation. The date was set for after the lobster season opens to give ample time to do scoping and determine what areas have the most traps set and should be avoided. I also contacted Brennan Goreham to clarify what needed to be on the ad for publication.
- Oct 24th Studied the environmental monitoring guidelines and met with the Municipality of Argyle's GIS and [REDACTED]. We discussed the geographical and biophysical qualities of the sites and how we should get the information required.
- Oct 25th We spoke to Jessica Feindel about the baseline environmental requirements
- Oct 30th met the GIS tech and [REDACTED] to make a plan for the baseline environmental monitoring
- Oct 31st Spoke to AANS, shared the date and they confirmed their attendance
GIS tech Alix d'Entremont and I sailed to the Calf Island site and the Bar Rock site. We took GPS readings, videos of all 4 corners of each site and a transect video. We looked for signs of wildlife and marine life. We met to a deer hunter in a boat who asked if we were hauling traps for a feed of lobsters. We explained what we were doing, and he was interested and fine with it.

November 2018

- Nov 1st Joined the Aquaculture Association of Nova Scotia (AANS)
Sent all the corner coordinates on a map to [REDACTED] of Acadian Seaplants for review.
- Nov 5th we went out and took corner and transect videos of Fox Island. There was no activity on the water that day near any of the sites.
- Nov 6th I asked Brennan Goreham for clarification on the information that was needed on the ad for the Public consultation
- Nov 7th the ad was completed
- Nov 9th I brought [REDACTED] and [REDACTED] from LISI for water testing of the sites was done by Municipality of Argyle and University Ste Anne's LISI
- Nov 13th took drone footage of all the sites for images before the lobster season opens
- Nov 14th the ad was scheduled for publication on November 21st
- Nov 14th [REDACTED] responded with a concern regarding the two northern corners of the proposed Calf Island site. I suggested moving the corners further south giving them more room for their operations. He agreed to have a look at an amended map. He had no issues with the other two sites.
- Nov 21st with staff of Municipality, we looked at the videos taken of site corners and transects. The ad was published in the Tri-county newspaper on this day
- Nov 22nd I asked Matt King from the Shelburne dept of a map with the option area shaded
- Nov 22nd I attended the Experience of Argyle event. There were 300 in attendance. The evening is a entertaining version of a annual report that has become increasingly popular. The CAO addressed the crowd with a summary of the work being done by staff, and aquaculture development and its growth and interest was mentioned and well received. The night gave me an opportunity to speak with councilors and the public. I also was able to personally invite the Argyle/Barrington MLA to my public consultation meeting.
- Nov 23rd Council was told via email of the upcoming Public Consultation and a 8 x 11" ad was posted to the Municipal office's bulletin board at the entrance. Councillor Nicole Albright asked if this meeting was similar to the one Eel lake had done in the past. I said yes. Councillors Lucien LeBlanc and Calvin d'Entremont sent their regrets but said they both fully support the new investment in aquaculture. "Let's support our local entrepreneurs" wrote Calvin d'Entremont
- Nov 23rd We updated the map to accommodate Acadian Seaplants.
- Nov 26th I received digital copies of maps for my presentation from Matt King
- Nov 27th A new amended map was sent to [REDACTED] of Acadian Seaplants
- Nov 28th Proof of the ad in the newspaper was sent to Brennan Goreham Manager, Licensing and Leasing of Fisheries and Aquaculture, Shelburne

November 2018

- Nov 29th Spoke to [REDACTED] of Acadian Seaplants and he was perfectly fine with the changes to the map and they had no other concerns. We mutually decided to work closely together from now going forward.

December 2018

- Dec 1, 2 and 3rd used my drone to survey the sites for the placement of lobster buoys
- Dec 2nd Councillor Guy Surette advertised the public meeting on facebook. I captured the comments for this scoping report, and they are included.
- Dec 5th In preparation of the public consultation meeting, I had Alix d'Entremont create hydrographic charts of each site as the public will be interested in knowing the depths.
- Dec 5th to inform the council, the power point was sent to all council and they were encouraged to share it, ask questions, and attend the December 6th meeting
- Dec 6th public consultation meeting was held. I met with Tom Smith for supper at a local restaurant prior to the meeting. We spoke of the association and the upcoming event.
- Dec 7th Brennan Goreham emailed the [REDACTED] to see how the meeting went. He was updated.
- Dec 8th Alix d'Entremont and I made side profile pictures for the NPA (Transport Canada)
- Dec 10th While excavating on my property on Roberts Island I had a conversation with my neighbor [REDACTED]. I updated him on my activities on land and in water. I shared with him the site maps and he was very interested and told me about old oyster farming in the area. He had no concerns and welcomed me to ask him for help if I ever needed any.
- Dec 11th Council meeting was held and was on Facebook live and is on youtube. At 25:32 secs in the meeting video, he said he attended the meeting with the aquaculture last Wednesday night. He said it was a "great meeting, great information. From my district there were several people that were worried what was going on but after attending the meeting Raymond d'Entremont really made a good presentation. And there was good info. And I got answers for the people who were concerned, and they were happy with what I reported back". [REDACTED] also took the opportunity to say "I was also at the aquaculture meeting and it was really good. There was very good information and a lot of clarification. I might have been a little concerned for some but I think it was clarified to the people who were there to their satisfaction".

January 2019

- Jan 11th Robert's Island resident [REDACTED] asked how many employees the new aquaculture development was going to bring in. Her concern is not the farm itself, but the public road condition, especially in the spring. She suggested that maybe chances of getting improvement would be greater with the new business.
- Jan 12th started populating the template for the 3 Development plans
- Jan 13-23rd En route to Inglewood Florida via car with my father, we noticed oysters in restaurants from South Carolina to Florida. I asked the restaurants where they got their oysters and asked about supply, and if they ever seek new suppliers. They were all open to further conversation. In Inglewood I learned that they import Nova Scotian seafood, including Eel Lake oysters via air.
- Jan 23-26th attended the 2019 Seafarmers Conference in Halifax. There I had ample opportunity to speak with industry leaders and made them aware of who I was and what my plans were going forward. On a slide at the conference, I was named as one of the Department 2018 Top 3 activities. I have attached a picture.
- Jan 28th I spoke to [REDACTED] of Sellick aquaculture regarding cages, seed supply and future development of our relationship if I am granted these three sites. He supports my endeavor and guarantees seed supply to support it.
- Jan 30th sent the draft copy of a development plan to Brennan Goreham for comments and as a result we changed some wording. Also sent to Transport Canada a NPA to ensure it was properly completed. Melanie LeBlanc gave positive comments.
- Jan 28th – Feb 6th completed the 3 development plans and their scoping reports.

Notice of Public Meeting

Proposed Shellfish Aquaculture sites in the Municipality of Argyle

Date: Thursday December 6, 2018

Time: 6 pm-8pm

Place: Municipality of Argyle administration building at
27 courthouse road in Tusket

The public is invited to attend a meeting regarding three new applications for shellfish aquaculture sites submitted by Raymond d'Entremont in La Grande Passe and off Calf Island, in Yarmouth County, Nova Scotia.

The public meeting is conducted as part of the Department of Fisheries and Aquaculture application review process to provide and enable the public to comment on the proposal. It will consist of a presentation by the applicant followed by a question and answer session. The input gathered will be provided to the Department of Aquaculture and Fisheries to aid in their review of the application.

The proposed shellfish aquaculture sites being discussed are part of option AQ #1416 and it is for the suspended cultivation of American oysters.

The approximate dimensions of the site at Fox Island is 180m by 1102.3m and it is centered around 43° 47' 16.8612" Latitude and 65° 54' 34.9128" Longitude.

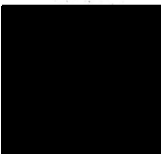
The approximate dimensions of the site at Bar Rock is 64m by 1141.9m and it is centered around 43° 46' 52.0032" Latitude and 65° 53' 55.086" Longitude.

The approximate dimensions of the site at Calf Island is 106m by 972.7m and it is centered around 43° 45' 7.9776" Latitude and 65° 53' 4.3656" Longitude.

A sketch of the site, or further details can be obtained by contacting Raymond d'Entremont at (902)648-4148.



Search

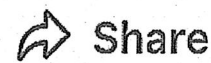
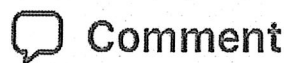



December 2 · 🌐

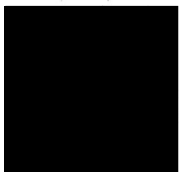


There will be a meeting on Shellfish Aquaculture on Dec.6, Thurs. at the Municipality of Argyle municipal office at 6pm . This will be regarding application for shellfish aquaculture sites submitted by Raymond d'Entremont in La Grand Passe and off Calf Island. (this is off Morris Island)..

. If this is a concern to you or you want to find out more info, be SURE to attend.. All you fisherman out there, PLEASE BE ADVISED.". Please Share"...I want to be sure you are aware of proposal...




 and 7 others shared this



I'm 99% sure I'll be there

9w Like Reply



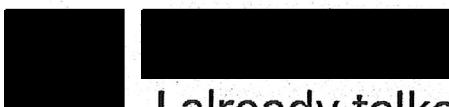
Thanks , i was just about to message you privately. I don't



Write a comment...

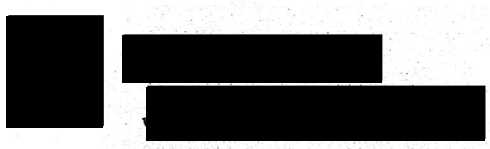


9w Like Reply



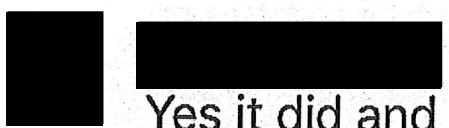
I already talked to the head honcho I'll remind him again lol

9w Like Reply 1



Didnt one fail there already

8w Like Reply 1



Yes it did and left all his crap there I almost ripped off the lower unit on those cement blocks

8w Like Reply



that's what I thought

8w Like Reply

Write a reply...

Write a comment...

**PUBLIC MEETING OPTION TO LEASE AQ 1416
REGISTRATION FORM**

Place: Council Chambers, Tusket, NS



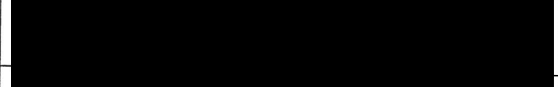

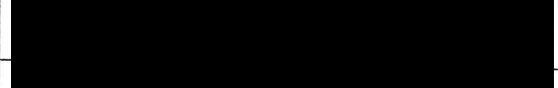
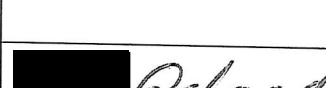
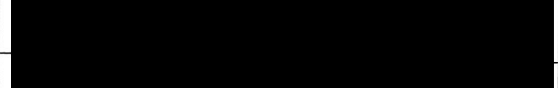
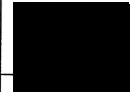


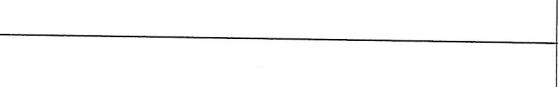

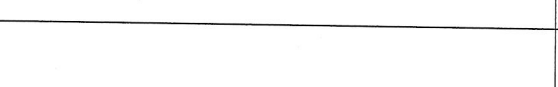
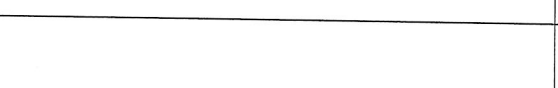

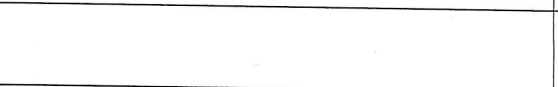
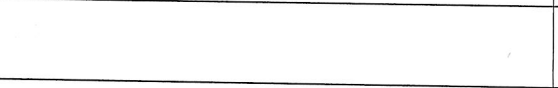
Meeting Date: December 6th, 2018

Name	Community	E-Mail
	Yubmeis	[REDACTED]@munargyle.com
	Eel Brook	[REDACTED]@eastlink.ca
	DEERFIELD	
	Hubbards Point	[REDACTED]@hotmail.com
	Lr. Eel Brook	
	Carleton	
	Carleton	
	Belleville	
	Bouville	
	Dunton	
	Forest Glen	
	Forest Glen	[REDACTED]@scotiaharvest.com
	Abrams River	
Lower Argyle		

PUBLIC MEETING OPTION TO LEASE AQ 1416
REGISTRATION FORM

Place: Council Chambers, Tusket, NS

Meeting Date: December 6th, 2018

Name	Community	E-Mail
	Arcadia	 @chline.ca
	Clenwood	 @chline.ca
	Slive Pt	
	Belleville NS	 @chrisdentromont.com
		
		
		
		
		
		
		
		
		

Open House Feedback Form

Shellfish Aquaculture Option to Lease AQ 1416

December 6, 2018

Thank you for attending the Open House. Please take a moment to provide feedback on the Open House and the information provided.

About the Information Provided

Please Circle One

Did you find the information available helpful?

Yes No

Were your questions answered?

Yes No

Were the people you spoke with knowledgeable?

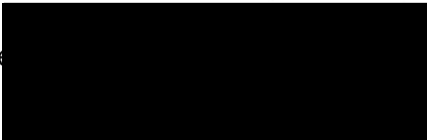
Yes No

Any comments on the information provided?

What would you like to tell us?

Provide contact information if you want us to get back to you on your question(s).

Name



Phone or email



@hotoraii.com

<insert date>

Open House Feedback Form

Shellfish Aquaculture Option to Lease AQ 1416

December 6, 2018

Thank you for attending the Open House. Please take a moment to provide feedback on the Open House and the information provided.

About the Information Provided

Please Circle One

Did you find the information available helpful?

Yes No

Were your questions answered?

Yes No

Were the people you spoke with knowledgeable?

Yes No

Any comments on the information provided?

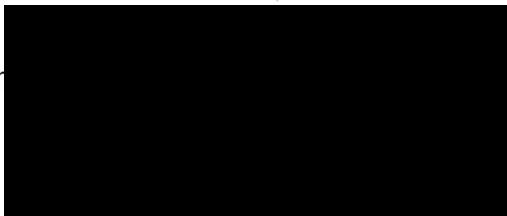
*This was a very informative
presentation.*

What would you like to tell us?

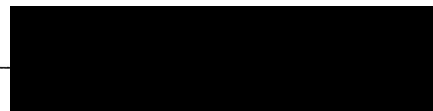
Keep up the good work

Provide contact information if you want us to get back to you on your question(s).

Name



Phone or email:



<insert date>

Open House Feedback Form

Shellfish Aquaculture Option to Lease AQ 1416

December 6, 2018

Thank you for attending the Open House. Please take a moment to provide feedback on the Open House and the information provided.

About the Information Provided

Please Circle One

Did you find the information available helpful?

Yes No

Were your questions answered?

Yes No

Were the people you spoke with knowledgeable?

Yes No

Any comments on the information provided?

*Very informative with a well thought
out plan and reasonable approach*

What would you like to tell us?

*I am excited to see someone willing to
invest in and grow the local economy.*

Provide contact information if you want us to get back to you on your question(s).

Name: _____ Phone or email: _____

Open House Feedback Form

Shellfish Aquaculture Option to Lease AQ 1416

December 6, 2018

Thank you for attending the Open House. Please take a moment to provide feedback on the Open House and the information provided.

About the Information Provided

Please Circle One

Did you find the information available helpful?

Yes No

Were your questions answered?

Yes No

Were the people you spoke with knowledgeable?

Yes No

Any comments on the information provided?

Very informative

What would you like to tell us?

it looks like a lot of thought went into placement.
Fishers should be OK with the plans once
they have the information
would recommend releasing the maps and
info online.

Provide contact information if you want us to get back to you on your question(s).

Name: _____ Phone or email: _____

Open House Feedback Form

Shellfish Aquaculture Option to Lease AQ 1416

December 6, 2018

Thank you for attending the Open House. Please take a moment to provide feedback on the Open House and the information provided.

About the Information Provided

Please Circle One

Did you find the information available helpful?

Yes No

Were your questions answered?

Yes No

Were the people you spoke with knowledgeable?

Yes No

Any comments on the information provided?

Very well presented.

What would you like to tell us?

Fishermen (lobster men) should be encouraged
to comment, even if its later.

Provide contact information if you want us to get back to you on your question(s).

Name:

[Redacted Name]

Phone or email:

[Redacted Phone or Email]

Open House Feedback Form

Shellfish Aquaculture Option to Lease AQ 1416

December 6, 2018

Thank you for attending the Open House. Please take a moment to provide feedback on the Open House and the information provided.

About the Information Provided

Please Circle One

Did you find the information available helpful?

Yes No

Were your questions answered?

Yes No

Were the people you spoke with knowledgeable?

Yes No

Any comments on the information provided?

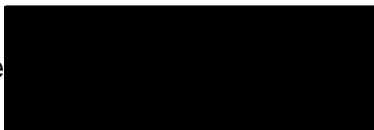
N/A

What would you like to tell us?

I am in favor for this operation.

Provide contact information if you want us to get back to you on your question(s).

Name



Phone or email



@gmail.com

<insert date>

Page 1 of 1

Open House Feedback Form

Shellfish Aquaculture Option to Lease AQ 1416

December 6, 2018

Thank you for attending the Open House. Please take a moment to provide feedback on the Open House and the information provided.

About the Information Provided

Please Circle One

Did you find the information available helpful?

Yes No

Were your questions answered?

Yes No

Were the people you spoke with knowledgeable?

Yes No

Any comments on the information provided?

INTERESTED IN PARTICIPATING / ATTENDING FUTURE / UPCOMING
"HEARINGS" PERTINENT TO SOUTHWEST NOVA REGION
LEASE APPLICATIONS

What would you like to tell us?

- WHERE CAN WE FOLLOW UP ON AQUACULTURE HEARINGS
- I FEEL MUCH MORE INFORMED AFTER TOM'S AND DAYMON'S
PRESENTATIONS.

Provide contact information if you want us to get back to you on your question(s).

Name:

[REDACTED]

Phone or email:

[REDACTED]

[REDACTED]

@GMAIL
COM

<insert date>

Page 1 of 1

Open House Feedback Form

Shellfish Aquaculture Option to Lease AQ 1416

December 6, 2018

Thank you for attending the Open House. Please take a moment to provide feedback on the Open House and the information provided.

About the Information Provided

Please Circle One

Did you find the information available helpful?

Yes No

Were your questions answered?

Yes No

Were the people you spoke with knowledgeable?

Yes No

Any comments on the information provided?

information was helpful to understand how
the process works

What would you like to tell us?

Presentation gave assurance that after
marine activities would not be affected i.e. lobster fishing,
Rock weeding etc.

Provide contact information if you want us to get back to you on your question(s).

Name

[Redacted Name]

Phone or email

[Redacted Phone/Email]

@munargyle.com.

Dec 6, 2018

Open House Feedback Form

Shellfish Aquaculture Option to Lease AQ 1416

December 6, 2018

Thank you for attending the Open House. Please take a moment to provide feedback on the Open House and the information provided.

About the Information Provided

Please Circle One

Did you find the information available helpful?

Yes No

Were your questions answered?

Yes No

Were the people you spoke with knowledgeable?

Yes No

Any comments on the information provided?

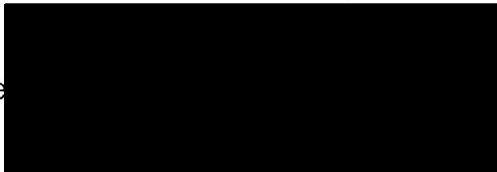
Excellent overview on the industry as a whole. Excellent work by the Municipality of Anglet to do much of the legwork needed to establish new business.

What would you like to tell us?

I work for an economic development association (Western Regional Enterprise Network) and am so happy to see positive movement in this growing industry. It is also positive to see a young, local person starting this great business.

Provide contact information if you want us to get back to you on your question(s).

Name



Phone or email:



Western ren.ca

Open House Feedback Form

Shellfish Aquaculture Option to Lease AQ 1416

December 6, 2018

Thank you for attending the Open House. Please take a moment to provide feedback on the Open House and the information provided.

About the Information Provided

Please Circle One

Did you find the information available helpful?

Yes No

Were your questions answered?

Yes No

Were the people you spoke with knowledgeable?

Yes No

Any comments on the information provided?

extremely

What would you like to tell us?

very knowledgeable + answered
nearly questions
Well prepared AANS info
Raymond was informative + [REDACTED]
was well prepared with her answers on
testing
Excellent Job.

Provide contact information if you want us to get back to you on your question(s).

Name: _____

Phone or email: _____

- Jan 11th Robert's Island resident [REDACTED] asked how many employees the new aquaculture development was going to bring in. Her concern is not the farm itself, but the public road condition, especially in the spring. She suggested that maybe chances of getting improvement would be greater with the new business.
- Jan 12th started populating the template for the 3 Development plans
- Jan 13-23rd En route to Inglewood Florida via car with my father, we noticed oysters in restaurants from South Carolina to Florida. I asked the restaurants where they got their oysters and asked about supply, and if they ever seek new suppliers. They were all open to further conversation. In Inglewood I learned that they import Nova Scotian seafood, including Eel Lake oysters via air.
- Jan 23-26th attended the 2019 Seafarmers Conference in Halifax. There I had ample opportunity to speak with industry leaders and made them aware of who I was and what my plans were going forward. On a slide at the conference, I was named as one of the Department 2018 Top 3 activities. I have attached a picture.
- Jan 28th I spoke to [REDACTED] of Sellick aquaculture regarding cages, seed supply and future development of our relationship if I am granted these three sites. He supports my endeavor and guarantees seed supply to support it.
- Jan 30th sent the draft copy of a development plan to Brennan Goreham for comments and as a result we changed some wording. Also sent to Transport Canada a NPA to ensure it was properly completed. Melanie LeBlanc gave positive comments.
- Jan 28th – Feb 6th completed the 3 development plans and their scoping reports.

2018 Top 3 activities

1. Atlantic aquaculture inshore water quality monitoring – Compiling historic near shore monitoring data to better understand climate change impacts on aquaculture.

- Vp Project = T⁺ loggers deployed around province → contribute to data gathering
- CMAR did deploy loggers around NS
- New project underway: *Monitoring sustainability of shellfish farms in NS based on high-spatial resolution satellite imagery*

2. Develop a centralized database with environmental monitoring data

- CMAR mandata to gather all env. database around NS waters and make it accessible to SF
- CIOOS (Canadian Integrated Ocean Observing System) – DFO = Dev. system to integrate all env. data and make them avail. for users

3. AANS Community Engagement Scoping

- Waycobah = August 2018
- Cooke Aquaculture (Liverpool) = October 2018
- Raymond D Entremont (Argyle) = December 2018
- North Shore oyster farmers (bags on bottom) = Fall 2018

4. Develop new services to members (e.g. branding advice and support)

- | | |
|--------------------------------|--|
| AANS Security Bond Program | Nova Scotia Aquaculture Leases Sales and Assignments |
| AANS Event Support | R&D Project Services |
| AANS Media & Marketing Support | AANS Strategy Sessions (community engagement) |

