

MARINE AQUACULTURE APPLICATION FORM (EAST COAST)
NEW-BRUNSWICK DEPARTMENT OF AGRICULTURE AND AQUACULTURE

For information to assist you in completing this application, please refer to the Application Guide – Marine Aquaculture (East Coast). **Incomplete applications will be returned unprocessed.** Please ensure that your application, together with the appropriate application fee and requested documents, is sent to the Appropriate Regional Office of the Department of Agriculture and Aquaculture (DAA) for processing. Application fees for new or modifications to licences, leases and occupation permits are \$ 10.00 each. A completed application consists of the following elements: this application form and appropriate documents and schedules as identified in sections 2, 3 and 4.

DAA USE	
DATE RECEIVED : _____	DAA FILE # : _____ SITE # : _____

APPLICANT USE
1.0 APPLICANT INFORMATION : Please identify appropriate names and addresses below

Name of Applicant (individual or business) :	Telephone, fax, e-mail :
	Work : () _____ - _____
	Home : () _____ - _____
	Cell : () _____ - _____
	Fax : () _____ - _____
	E-mail address :

Mailing Address in Full :	Postal Code :
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If a business or partnership, name of contact person and position to whom all correspondence will be forwarded :	Telephone, fax, e-mail:
	Work : () _____ - _____
	Home : () _____ - _____
	Cell : () _____ - _____
	Fax : () _____ - _____
	E-mail address :

Mailing Address in Full (if different from above) :	Postal Code :
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Name of Agent and role (e.g. Consultant, Lawyer, Accountant, etc.)	Telephone, fax, e-mail:
	Work: () _____ - _____
	Home: () _____ - _____
	Cell.: () _____ - _____
	Fax: () _____ - _____
	E-mail address:

Mailing Address in Full	Postal Code :
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2.0 REQUIRED DOCUMENTS: Please attach the following documents when submitting an application

- 2.1 In case of an application submitted by a company, copies of the following documents, issued under the Companies Act, must be submitted:
- a) Certificate of Incorporation for the company;
 - b) Form 1 – Articles of incorporation;
 - c) Form 2 – Notice of Registered Office; and,
 - d) Form 4 – Notice of Directors.
- 2.2 All applications must be accompanied with the schedules corresponding to each type and category of application selected below (please refer to the Application Guide – Marine Aquaculture (East Coast) for more detailed information). If case arises, DAA reserves the right to modify the selection of required schedules in order to adjust to the particularity of the application submitted.

3.0 TYPE OF APPLICATION : Please check the appropriate box (es)

3.1 Identify the category of DAA authorisation applied for :

<u>Licence</u>	<u>Lease</u>	<u>Occupation Permit</u>
<input type="checkbox"/> New licence <input type="checkbox"/> Bottom culture <i>(complete and attach Schedules # 1, 2, 3, 4, 5, 7 and 8)</i> <input type="checkbox"/> Off-bottom culture <i>(complete and attach Schedules # 1, 2, 3, 4, 5, 6, 7 and 8)</i> <input type="checkbox"/> Suspended culture <i>(complete and attach Schedules # 1, 2, 3, 4, 5, 6, 7 and 8)</i> <input type="checkbox"/> Modification to licence <input type="checkbox"/> Species <i>(complete and attach Schedules # 1, 3 and 5)</i> <input type="checkbox"/> Culture method(s) <i>(complete and attach Schedules # 1, 2, 3, 4, 5, 6, 7 and 8)</i>	<input type="checkbox"/> New lease for new site <i>(complete attach Schedules # 1, 2, 3, 4, 5, 6, 7 and 8)</i> <input type="checkbox"/> New lease for vacant lot <i>(complete and attach Schedules # 1, 2, 3, 4, 5, 6, 7 and 8)</i> <input type="checkbox"/> Alteration to boundaries of land under existing aquaculture lease <i>(complete and attach Schedules # 1, 2, 3, 4, 5, 6, 7 and 8)</i>	<input type="checkbox"/> New Occupation Permit <i>(complete and attach Schedules # 1, 2, 3, 4, 5, 6, 7 and 8)</i> <input type="checkbox"/> Alteration to boundaries of land under existing aquaculture occupation permit <i>(complete and attach Schedules # 1, 2, 3, 4, 5, 6, 7 and 8)</i>

4.0 CLASS OF LICENCE : Please check the appropriate box

4.1 Identify the class of licence applied for :

- Commercial Institutional *(complete and attach Schedule # 9)*

5.0 APPLICANT'S SIGNATURE : Please sign your name in the space below

I certify that the information provided in this application and schedules is accurate and complete. I authorise the Minister of Agriculture and Aquaculture, Province of New Brunswick or his/her employees to request and obtain information relating to this application from any third party concerning this application, including but not limited to Fisheries and Oceans Canada, Financial Institutions, builders and/or suppliers. I further give my consent for the Department of Agriculture and Aquaculture to release the information contained in this form and the attached schedules, with the exception of schedules 8 and 9 and all personal information save the applicant's name and address in section 1 of this form, to the public if requested or to disclose these same details to any party unless otherwise prohibited by law.

Dated : _____

Signature : _____
(Applicant)

FOR DAA REGIONAL OFFICE USE ONLY

Amount of application fees received : _____ \$

Receipt # : _____

Received by: _____
Signature

Dated: _____

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SCHEDULE 1 – SITE LOCATION

1. Identify the body of water for the site in question:

2. Identify the nearest town/village to the site:

3. Identify the county where the site is located:

4. Provide the DAA map # for the area of the site:

5. Provide the surface area of the site applied for: _____ hectares.

6. Provide a copy of a map (topographic, nautical chart or other) and clearly outline :
 - The map/chart number;
 - The location of the site ;
 - The marine foreshore in the vicinity of the proposed site;
 - Location of all other aquaculture sites in the body of water in question.

Attachment # _____

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SCHEDULE 2 – SITE DEVELOPMENT PLAN

1. Provide an accurate site development plan in relation to the proposed aquaculture site. This plan shall be drawn to scale and contain:
 - The location of the aquaculture site,
 - The boundaries, dimensions and area of the site,
 - The location of existing and future structures on the site,
 - The location of existing/proposed access corridor(s),
 - The water depth at lowest normal tide at each corner and/or angle of the site;
 - The shortest distance of the site from the shore.
 - The hydrographic features of the site and the area extending 350 meters around the boundaries of the site, and
 - The coordinates of the site corners.

For a sample site development plan, refer to Appendices 2 and 3 of the *Application Guide – Marine Aquaculture (East Coast)*

Attachment(s) # _____

2. Provide a list of the surrounding properties (including aquaculture sites) and property owners within 100 meters of the site. This list should include:
 - The names of the property owners,
 - The mailing address for each property owner, and
 - The Property Identification Number (PID#) for each property.

Attachment # _____

3. Provide a map showing a graphic presentation of upland properties (boundaries, configuration and location) within a minimum radius of 1 kilometre of the proposed site. This map must show:
 - The properties identified in question n° 2 above;
 - Where the proposed site falls in relation to these properties.

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SCHEDULE 3 – SITE CHARACTERISTICS

1. Is the site : sub-tidal inter-tidal
2. Is the site located in the following areas? Please check the appropriate box (es).

- a shellfish growing area classified as « approved ».
- a shellfish growing area classified as « closed ».
- a shellfish growing area classified as « conditional ».
- a shellfish growing area classified as « unclassified ».
- a channel
- an ecologically or environmentally sensitive area.

If so, please specify and explain :

3. Identify the water depth (in meters) during lowest normal tide at the following site locations:

- on the section closest to the shore _____
- mid-site _____
- on the section farthest from the shore _____

4. Identify the bottom type of the site (e.g., sandy, muddy with eel grass, etc.):

5. Provide the following oceanographic information for the area of the site:

- Annual maximum temperature : _____ °C
- Annual minimum temperature : _____ °C
- Current pattern (e.g. circular, vortex, etc.): _____
- Average current speed (in knots) : _____
- Current direction : _____
- Salinity : _____
- Tide amplitudes : _____
- Dominant winds : _____
- Ice characteristics (formation, thickness, movements, etc.): _____

*** Note: additional information may be required (ex: suspended particulate matter, particulate organic matter, chlorophyll, Secchi-disk depth, under water video record, sediment samples or any additional measurements). The extent to which this information is required is determined by the type of aquaculture activity to be carried out at the site, or may be site specific. Please verify with the local DAA office to identify additional information requirements.**

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SCHEDULE 4 - ACTIVITIES IN SURROUNDING AREA AND RESOURCE INFORMATION

1. Provide a qualitative assessment of the presence of the following wildlife:

Fish:

Shellfish and Crustaceans:

Marine mammals:

Marine birds / ducks:

Marine plants:

2. Are any species at risk associated with the site or its surroundings? If so, provide details as to the species that may be present temporarily or permanently, as well as food sources and feeding areas. Provide details on any proposed recovery plans.
3. Identify and describe any activities taking place in the vicinity of the site (e.g. fishing, boating, windsurfing, swimming, mooring of boats, use by aboriginal people, etc.).
4. Describe the types of vessels currently using the waterway and with what frequency. Also indicate if the vessels are currently using the waterway in the daytime and/or night time.

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SCHEDULE 4 – ACTIVITIES IN SURROUNDING AREA AND RESOURCE INFORMATION (Continued)

5. Identify any facilities or areas of concern located near the site (e.g. processing plants, ocean dumping sites, pollution sources, cottages, use by up-land property owners, historical or archaeological sites, marine protected areas, agriculture activities, shipwrecks, etc.)
6. Attach complete details of concerns expressed by individuals, community groups, recreational users, fishers or others regarding the site. Include how this information was obtained.
7. Is the site within 300 meters of the following points? Please check the appropriate box (es).
- | | | |
|---|---------------------------------------|--|
| <input type="checkbox"/> another aquaculture site | <input type="checkbox"/> a wharf | <input type="checkbox"/> a lobster pound |
| <input type="checkbox"/> a herring weir | <input type="checkbox"/> a breakwater | |
| <input type="checkbox"/> another marine structure (specify) _____ | | |
| <input type="checkbox"/> none of the above | | |
8. Are there any potential conflicting uses in the area of the site? If so, indicate which ones and outline the mitigative measures which will be undertaken to alleviate them.

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SCHEDULE 4 – ACTIVITIES IN SURROUNDING AREA AND RESOURCE INFORMATION (Continued)

9. Provide a copy of a topographic map or nautical chart and clearly indicate the map/chart number, the location of the proposed site and the location of all other aquaculture sites in the body of water in question. On the map, draw a circle of 2-kilometre radius around the proposed site with the site located in the centre. Indicate the location of all other uses within this radius, such as:
- The marine foreshore in the vicinity of the proposed site;
 - Onshore facilities used to access the site;
 - Public access roads leading to shores;
 - Natural shellfish beds;
 - Locations of aboriginal, commercial and recreational fisheries;
 - Fish processing plants;
 - Campgrounds;
 - Cottages and residences;
 - Municipal or industrial sources of effluent;
 - Navigational channels and areas used for boating;
 - First Nations reserves;
 - Environmentally sensitive areas;
 - Marine protected areas;
 - Migratory birds habitats;
 - Areas used extensively by marine mammals;
 - Topographic characteristics in the area (ex: lakes, streams, wetlands, etc.)
 - Etc.

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SCHEDULE 5 – STOCK IDENTIFICATION

1. Identify species to be cultured and size information:

Species (common name and scientific name)	Seed /juvenile source		Approximate size at introduction (mm or g., specify)	Size at harvest (size in cm or weight in g., specify)
	Method of obtaining (indicate if purchased, picked or other)	Source		

2. Should an Introduction and Transfer (I&T) permit be considered as part of the proposed operation?

yes no

If so, explain :

3. Are you planning on adhering to Fisheries and Oceans Canada’s program on the harvesting and marketing of cocktail oysters as part of your operation? yes no

If so, explain:

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SCHEDULE 6 – FACILITY DESIGN AND LAYOUT

1. Describe the technology to be used for growing the animals. Include a description of the type of gear and site layout with the dimensions of individual units and lines (include **existing** gear layout and **anticipated** gear layout when the site is fully utilised). Provide a dimensioned plan view and dimensioned cross-sectional view of the entire facility drawn to scale. The type of information provided should include the following :

For a sample sketch, refer to Appendix 4 of the *Application Guide – Marine Aquaculture (East Coast)*

- type of units (socks, French tables, floating vexar bags, lanterns, collectors, cages, etc.),
- dimensions of individual units (height, length, width),
- dimension of lines,
- number of units per line,
- spacing between lines,
- anchoring systems (type, how it will lay on the sea floor), and
- the placement of gear in the water column

Attachment(s) #: _____

2. Provide details on how the structures will be installed (type of machinery or equipment required for installation).
3. Give the total number of units and lines to be used on a yearly basis as well as the expected number at full site utilisation. Is the site to be developed incrementally? If so, provide details on a development phase basis
4. Indicate if any plans for wintering of equipment are considered and provide details (ex: will the equipment be wintered directly on the site or will another site be utilised – identify specifically where, etc.).

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SCHEDULE 7 - OPERATION

1. Provide a calendar of activities (time gear will be deployed, spat collection, time of harvest, etc.) for site activities.
Attachment # _____

2. Provide details on the harvesting methods to be used.

3. Identify any potential marine predators in and around the site that may interfere with the operation. Give the time of year they are most prevalent and list any arrangements that will be used to deter these predators.

4. Describe the methods to be used to control fouling of gear and provide detailed plans for routine facility maintenance including frequency and the actions to be taken

5. Provide details on measures to put in place to mitigate any environmental effect on the operation (weather and climate conditions, ice, toxic and non-toxic alga blooms or others).

6. Provide information on other facilities associated with the aquaculture operation, either existing or proposed which the applicant may use for his operation. These may include wharves, access roads, processing plants, anchored workstation, waterfront property, etc.

7. Should depuration be considered as part of the proposed operation? yes no

If so, explain:

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SCHEDULE 7 – OPERATION (Continued)

8. Describe the procedure used for collection and disposal of routine garbage and human wastes that will be generated on site (e.g. shells, morts, socks, ropes, buoys, etc.).

9. Describe contingency plans to deal with malfunctions or accidents that may occur during the installation, operational and decommissioning phases of the project (e.g. fuel spills, storm destruction, worker/diver safety, loss/escapement of stock, etc.).

10. Describe plans for abandonment of site, including plans to disassemble the facility and restore the site. Provide details for the removal of all equipment (platform, cages, mooring system, growing units, longlines and anchors) from the marine environment and the approximate time required for complete decommissioning of the site.

11. Describe any mitigative measures and environmental monitoring to be undertaken at the site.

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SCHEDULE 8 – BUSINESS DEVELOPMENT PLAN

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SCHEDULE 9 – RESEARCH AND DEVELOPMENT PROPOSAL