

**ARCHIVED****Annual Report under the  
*Aquaculture Activities Regulations***

Fisheries and Oceans Canada is responsible for the collection and analysis of data provided via the reporting requirements under the *Aquaculture Activities Regulations* (AAR).

**Instructions:**

- The completed report is to be submitted to your Regional Aquaculture Coordination Office (RACO) on or before April 1 of the year following the year that is the object of the report.

**AQUACULTURE OWNER/OPERATOR INFORMATION**

Reporting period (April 1 – March 31):	Year:	Date filed:
Province:		
Licence holder name:		
Facility identification: (provincial or federal licence or lease number, and GPS coordinates of site location)		
Indicate the category of facility and complete the indicated sections of the report:	<input type="checkbox"/> Open-Water Marine Finfish [Complete sections: 1,2,3,4,5, and 6] <input type="checkbox"/> Open-Water Marine Shellfish [Complete sections: 3 ,5, and 6] <input type="checkbox"/> Freshwater Open-Water system [Complete sections: 1,3 ,5, and 6] <input type="checkbox"/> Facilities with a point-source discharge (e.g., land based, ponds) [Complete section 3]	
Species under cultivation and the licensed production volume limit for each:	Species	Volume Limit

**REGULATORY REPORTING INFORMATION**

<p>1. Open-water finfish practices to minimize accidental release of drugs into waters – storage and handling [AAR s.5(b)]</p> <p><input type="checkbox"/> Not applicable—no drugs deposited.</p>	<p>➤ Provide a brief description of measures taken to minimize accidental deposit of drugs. This may be extracted from Standard Operating Procedures, Best Management Practices, or other relevant documentation.</p> <p>_____</p> <p>_____</p> <p>_____</p>
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2. Open-water marine finfish practices to control pests – assessment of alternatives to use of pest control products on record [AAR s.5.(c) and s.6(c)]

Not applicable—no pest control products deposited.

- Provide an attestation to one or more of the following (as applicable):
  - there are no commercially viable containment technologies in your area to avoid deposits of the therapeutant into fish bearing waters;
  - there are no proven commercially available treatment technologies to render the therapeutant non-toxic to fish;
  - there is no provincially or federally certified land-based facility to accept contained wastes;
  - there are no commercially available non-chemical biological treatment technologies available in your area; and/or
  - the use of the therapeutant(s) is the most expedient and effective means of treating fish pests or pathogens which otherwise without the use of, would lead to serious morbidity or mortality to the farmed or wild fish nearby.

➤ Otherwise, provide a brief description of other measures taken, if not listed here.

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3. Measures taken to minimize detriment to fish and fish habitat from the deposit of pest control products, drugs and biochemical oxygen demanding (BOD) matter, as applicable [AAR s.7] and minimize serious harm [AAR s. 11].

Note: facilities which have a standing biomass of less than 2.5 tonnes are not required to take measures respecting BOD

- Provide an attestation to one or more of the following (as applicable):
  - a pest management plan, fish health plan and/or biosecurity plan is in place and implemented;
  - procedures are in place and implemented with respect to removal of biofouling from infrastructure to minimize total biomass of matter dislodged into the aquatic environment without compromising fish health;
  - procedures are in place and implemented with respect to feeding methods, feed selection and/or equipment, designed to minimize waste feed and to optimize feed conversion rates without compromising fish health;
- Specific to new marine finfish aquaculture facilities or existing facilities that increase maximum quantity of fish cultivated by more than 10%, the following data will be submitted:
  - (i) The predicted contours of the footprint of the BOD matter deposited by the facility;
  - (ii) Visible macrofauna and macrophyte benthic community data, to a reasonable taxonomic level, for the areas within the 5 g carbon/m<sup>2</sup>/day depositional contour, and benthic CRA fisheries community data between the 1 g and 5 g contours; and
  - (iii) Bathymetry of the seabed surrounding the facility;
  - (iv) Sediment characterization for soft bottom sites as per the Aquaculture Monitoring standard.
- For facilities with a point-source discharge of waste water, facility plans are in place, for the following:
  - Use of screening of point source outfalls to remove larger, particulate organic matter and reduce the total mass released to aquatic environments;
  - Filtration or other forms of effluent treatment to reduce the total mass of released organic and related matter.
  - For shellfish aquaculture facilities, procedures are in place, to minimize the deposit of materials on the substrate.

➤ Otherwise, provide a brief description of other measures taken, if not listed here.

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<p>3. (cont.) Measures taken to minimize detriment to fish and fish habitat from the deposit of pest control products, drugs and BOD, as applicable [AAR s.7] and minimize serious harm. [AAR s. 11]</p> <p>Note: facilities which have a standing biomass of less than 2.5 tonnes are not required to take measures respecting BOD.</p>	<p>➤ In addition, specific to s.35 2(a), provide attestation to which of the following measures were taken to minimize serious harm to fish and fish habitat:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Time work in water to respect timing windows to protect fish, including their eggs, juveniles, spawning adults and/or the organisms upon which they feed;</li> <li><input type="checkbox"/> Minimize duration of in-water work;</li> <li><input type="checkbox"/> Conduct in-stream work during periods of low flow, or at low tide, to further reduce the risk to fish and their habitat or to allow work in water to be isolated from flows;</li> <li><input type="checkbox"/> Schedule work to avoid wet, windy and rainy periods that may increase erosion and sedimentation.</li> <li><input type="checkbox"/> Design and plan activities and works in water body such that loss or disturbance to aquatic habitat is minimized and sensitive spawning habitats are avoided.</li> <li><input type="checkbox"/> Design and construct approaches to the water body such that they are perpendicular to the watercourse to minimize loss or disturbance to riparian vegetation.</li> <li><input type="checkbox"/> Avoid building structures on meander bends, braided streams, alluvial fans, active floodplains or any other area that is inherently unstable and may result in erosion and scouring of the stream bed or the built structures.</li> <li><input type="checkbox"/> Undertake all in-stream activities in isolation of open or flowing water to maintain the natural flow of water downstream and avoid introducing sediment into the watercourse.</li> <li><input type="checkbox"/> Other measures as described on the DFO website respecting measures to avoid causing serious harm to fish and fish habitat <a href="http://www.dfo-mpo.gc.ca/pnw-ppe/measures-mesures/index-eng.html">http://www.dfo-mpo.gc.ca/pnw-ppe/measures-mesures/index-eng.html</a></li> </ul> <p>➤ Otherwise, provide a brief description of other measures taken, if not listed here.</p> <p>_____</p> <p>_____</p> <p>_____</p>
<p>4. BOD Monitoring Data for marine finfish sites located over soft-bottom environments. [AAR s.8]</p>	<p>➤ Provide the data in the applicable format as per the Aquaculture Monitoring Standard.</p>
<p>5. For sites where there is an incident of unusual fish morbidity or mortality within 96 hour of any drug or pest control product deposit. [AAR s.9]</p>	<p>➤ Provide the following information:</p> <ul style="list-style-type: none"> <li>– the geographic coordinates of the fish observed;</li> <li>– the estimated number and, if known, species of the fish observed;</li> <li>– the product name of the drug or pest control product deposited and the date of the deposit, and</li> <li>– water, sediment and tissue data and other information as per the Aquaculture Monitoring Standard.</li> </ul>
<p>6. Product(s) deposited during the reporting period [AAR s.12]</p> <p><input type="checkbox"/> Not applicable—no drugs or pest control products deposited into fish-bearing waters.</p>	<p>➤ Provide the following information:</p> <ul style="list-style-type: none"> <li>– the brand name or common chemical names of active ingredients;</li> <li>– the Drug Identification Number (DIN) or Pest Control Product Registration Number (PCP#) of the product name of each drug or pest control product deposited;</li> <li>– the dosage used;</li> <li>– the total quantity of each deposit; and</li> <li>– the purpose of each deposit (e.g., bacterial infection, sea lice control, biosecurity)</li> </ul> <p>➤ Provide an attestation to one or more of the following (as applicable):</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Were the prescription drugs administered under the supervisor of a person who is authorized to practice veterinary medicine?</li> <li><input type="checkbox"/> Were the pest control products used in accordance with the label conditions?</li> </ul>

Name (Please print)	Signature	Date
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