

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Aquaculture of Marine Species in Rhode Island Waters



~~July 1, 2014~~

~~Supersedes and Replaces all Previous Versions~~

Proposed/annotated regulations

Public hearing

September 21, 2015

AUTHORITY: Chapter 42-17.1 and Sections 20-1-2, 20-1-4, 20-1-5, 20-10-5c, and 20-10-12, and in accordance with Chapter 42-35, of the Rhode Island General Laws of 1956, as amended.

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~~RULE 1.~~ **PURPOSE**

The purpose of these regulations is to describe the permits, licensing, and conditions under which aquaculture shall be conducted in Rhode Island.

~~RULE 2.~~ **AUTHORITY**

Chapter 42-17.1, and §§; 20-1-2; 20-1-4; 20-1-5; 20-10-5c; and 20-10-12, in accordance with Chapter 42-35 of the RIGL 1956, as amended.

~~RULE 3.~~ **ADMINISTRATIVE FINDINGS**

These regulations acknowledge that aquaculture is a form of agriculture (RIGL 2-23-4) and that cultured crops are the property of the aquaculturist and are distinct from wild stocks. Cultured crops are therefore not subject to the statutory and regulatory restrictions governing the protection of wild stocks, except that the minimum size limit established for quahaugs, *Mercenaria mercenaria*, applies to all wild and cultured quahaugs (RIGL 20-10-13.1).

~~RULE 4.~~ **APPLICATION**

The terms and provisions of these rules and regulations shall be liberally construed to permit the Department to effectuate the purposes of state law, goals, and policies.

~~RULE 8~~ 5. **SEVERABILITY**

If any provision of these Rules and Regulations, or the application thereof to any person or circumstances, is held invalid by a court of competent jurisdiction, the validity of the remainder of the Rules and Regulations shall not be affected thereby.

~~RULE 9~~ 6. **SUPERSEDED RULES AND REGULATIONS**

On the effective date of these rules and regulations, all previous rules and regulations, and any policies regarding the administration and enforcement of aquaculture shall be superseded. ~~These rules and regulations shall supersede the Department of Environmental Management Regulation “*Aquaculture of Marine Species in Rhode Island Waters (June 21, 2002).*”~~

~~5.~~ 7. **DEFINITIONS**

As used in these rules and regulations, the following words and phrases have the following meanings:

~~5.4~~ **“Adequately Iced”** means that the amount and application of the ice is

sufficient to ensure that immediate cooling begins and continues for all shellfish. If ice slurry is used and the shellfish are submerged the presence of ice in the slurry indicates adequate icing. The water source for, the production of, and the handling of the ice must be approved by DOH for the intended use of cooling shellfish.

5.2 "Approved waters," or, **"Approved shellfish growing areas"** mean waters of the state which have been classified by the RI Department of Environmental Management (DEM) Office of Water Resources as Approved Areas, fit for the taking of shellfish for human consumption on a regular basis, according to criteria established by the National Shellfish Sanitation Program (NSSP) Manual of Operations. These classifications may be subject to change as water quality conditions dictate.

5.3 "Aquaculture" means the cultivation, rearing, or propagation of aquatic plants or animals, hereinafter referred to as cultured crops, under natural or artificial conditions.

5.4 "Aquaculture facility" means any properly permitted aquaculture operation, either in upland areas or in the State's waters or submerged lands.

5.5 "Aquaculture lease" means the permitted area for which the Coastal Resources Management Council (CRMC) issues a lease in which aquaculture can be conducted. Leases are discretionary and granted for the express purpose of allowing aquaculture activities on the State's submerged lands or in the water column. Certain types of permitted activities, such as experimental aquaculture operations, may not require a lease.

5.6 "Aquaculturist" means the individual, firm, partnership, association, academic institution, municipality, or corporation conducting commercial, experimental or restoration aquaculture in Rhode Island.

5.7 "Biosecurity Board" means the board, within the Coastal Resources Management Council (CRMC), established pursuant to RIGL Section 20-10-1.1 and charged with assisting and advising the CRMC in carrying out **its role under** the provisions of RIGL Chapter 20-10.

5.8 "Conditionally Approved Areas" mean any shellfish grounds underlying waters examined and found fit for the taking of shellfish for human consumption on an intermittent basis, declared by the director as conditionally approved waters pursuant to RIGL Sections 20-8.1-3 and 20-8.1-4. Such classification may be subject to change as water quality conditions dictate.

5.9 "Container" means any bag, sack, tote, conveyance, or other receptacle used for containing shellfish for holding or transporting.

5.10 "CRMC" means the RI Coastal Resources Management Council.

- 5.11 "Cultured crops"** mean aquatic or marine animals or plants: (i) that are in the location, water column or artificial conditions specified in a valid aquaculture permit issued pursuant to RIGL section 20-10-3 or that have been taken by the holder of such permit from the location, water column or artificial conditions specified in such permit, or (ii) that have been produced by aquaculture methods outside the state and have not been commingled with wild stocks that are in or have been removed from the waters of the state. Appropriate bills of sale, bills of lading and proper tags used in accordance with Rule 6.6 herein and all other applicable state and federal laws and regulations shall be prima facie evidence of the origin of cultured crops inside or outside the state.
- 5.12 "DEM"** means the RI Department of Environmental Management.
- 5.13 "Designated Temperature Control or Thermally Impacted Area"** means an area designated by the Department in which aquaculturists must comply with more stringent temperature controls for harvested shellfish. These areas have been determined to be Winnapaug Pond, Quonochontaug Pond, Ninigret Pond, Potter Pond, Point Judith Pond, Island Park Cove (Spectacle Cove), Hog Island Cove and Great Salt Pond.
- 5.14 "Director"** means the Director of the RI Department of Environmental Management or his or her duly appointed agents.
- 5.15 "DOH"** means the RI Department of Health.
- 5.16 "Harvest"** means the act of removing shellstock for the purpose of human consumption from the waters of growing areas. Harvest includes placement of shellfish that has been removed for the purpose of human consumption on or in a manmade conveyance, or other means of transport. Harvest commences when the first shellfish intended for human consumption is removed from the water on any given day, or is exposed by the receding tide.
- 5.17 "Husbandry"** means any activity related to the cultivation and management of shellfish crops, including but not limited to grading, sorting, cleaning, or planting.
- 5.18 "Mechanical Refrigeration"** means storage in a container or conveyance that is approved by the Rhode Island Department of Health and capable of cooling to, and maintaining, an ambient temperature of 45°F or less.
- 5.19 "Operational plan"** means a written plan filed with CRMC and, approved by DEM and DOH prior to its implementation, that includes, at a minimum: description of the design and activities of the aquaculture facility, specific location and boundaries of the aquaculture lease and facility, types and locations of structures (rafts, pens, tanks, etc.), species to be cultured, source of these organisms (i.e., wild or cultured), procedures to prevent contamination, program of sanitation and maintenance, description of the water source

including details of water treatment, program to maintain water quality, maintenance of records, and how shell stock will be harvested.

“Person” means an individual, firm, corporation, society, association, partnership, or private or public body.

5.20 "Possession of aquaculture crops" means the exercise of dominion or control over cultured crops commencing at the time at which a decision is made not to return the crops to the aquaculture lease or facility from which they were taken. This decision must be made at the first practical opportunity, taking into consideration the management practices set forth in the approved operational plan.

5.21 "Possession of wild stocks" means the exercise of dominion or control over wild stocks commencing at the time at which a decision is made not to return the resource to the immediate vicinity from which it was taken. This decision must be made at the first practical opportunity.

5.22 “Resubmerge” means, and is strictly limited to, reintroduction of shell stock into approved waters following the removal of such stock from approved waters for husbandry purposes.

5.23 “Shading” means to shelter by intercepting the direct rays of the sun to protect the shellfish from heat. Shading may be accomplished by any means that effectively protects the harvested shellfish from direct sunlight and prevents excessive heat build-up in the shaded area.

5.24 “Shellfish” means all species of: (a) Oysters, clams or mussels, whether: (i) Shucked or in the shell; (ii) Raw, including post harvest processed; (iii) Frozen or unfrozen; (iv) Whole or in part; and (b) Scallops in any form, except when the final product form is the adductor muscle only.

5.25 "Shellfish seed" means, for quahaugs, *Mercenaria mercenaria*, a shell size less than 20 mm (0.78" **longest axis length**), ~~and~~ for oysters, *Crassostrea virginica* and *Ostrea edulis*, a shell size less than 32 mm (1.25") **longest axis length, and for blue mussels (*Mytilus edulis*) any mussel that settled during the current calendar year.** ~~All measurements are taken along the longest axis.~~

"Spat " means newly settled post-metamorphic bivalve.

5.26 "Spat collection" means the use of **artificial** apparatus (spat collectors) ~~or cultch~~ to ~~attract or capture~~ **induce settlement of** larval shellfish.

5.27 “Temperature control” means the use of ice or mechanical refrigeration, which is capable of lowering the temperature of the shellstock and maintaining it at 50°F or less.

5.28 "Wild stock" means natural resources, including aquatic or marine animals or plants, which grow within the waters of the state, and are not cultured in any way. Any shellfish that have settled naturally within an aquaculture facility are considered wild stock.

~~RULE 6 REGULATIONS~~

8. 6.4 ~~GENERAL~~ Permitting and Licensing Requirements:

8.1 Aquaculture shall only be conducted within the waters of the state in a manner consistent with the best public interest, with particular consideration given to the effect of aquaculture on other uses of the free and common fishery and navigation, and the compatibility of aquaculture with the environment of the waters of the state. Applications shall be reviewed for consistency with RIGL Title 20 and no license shall be issued or renewed to any person where the application is found to be in conflict with any requirement found in these statutes.

8.2 Aquaculture License Permit: An aquaculturist must apply for and obtain an Aquaculture Permit license from the Director is required for an individual ~~to conduct aquaculture as specified in RIGL Section 20-10-12. The application for an Aquaculture Permit must include an operational plan describing the species to be cultured, the methods to be used, the locations where the work will be done, and other provisions detailed in Rule 6.3 herein. The permit shall specify the conditions governing the taking, possession, sale, importation, and transportation of~~ to sell to licensed fish and shellfish dealers cultured crops ~~utilized in~~ from an ~~the aquaculture lease or facility permitted by CRMC and operated in accordance with the aquaculturist's approved operational plan.~~ The permit shall be automatically renewed January first annually, providing that proper annual reports of aquaculture activities conducted that year are filed with the Director, in a form prescribed by the Director, no later than December first of each year. Aquaculture Permits will be reviewed, modified if appropriate, and renewed by the Director. ~~._~~

8.2.1 Application shall be made on forms as prescribed by the Director and may be submitted at any time during the year. The license shall be issued on a calendar year basis (expiring December 31) with an annual fee of two hundred dollars (\$200).

8.2.2 ~~6.1.4~~ Endemic species limitation: All species cultured at an aquaculture lease or facility must be specifically authorized via an approved DEM Aquaculture Permit. Under no circumstances ~~are permits~~ shall a license ~~to be granted for species that are not endemic to Rhode Island, without prior approval from the Director with the advice of the Biosecurity Board. Determination of what species are endemic to Rhode Island rests under the authority of~~ shall be determined by the Director.

8.2.3 No license shall be renewed unless the applicant's aquaculture activities are conducted in accordance with the approved operational plan. The

operational plan must be updated, resubmitted to CRMC, and approved by DEM prior to any operational changes.

8.3 ~~6.1.1~~ Coastal Resources Management Council (CRMC) Assent or Permit: An aquaculturist must apply for and receive a Coastal Resources Management Council (CRMC) Assent or permit to conduct aquaculture ~~as specified~~ in accordance with RIGL Chapter 20-10. No application shall be approved by CRMC prior to the consideration of recommendations by the Department of Environmental Management (DEM) Director, who shall consult with and obtain input from appropriate divisions and offices within the department, ~~and~~ the Rhode Island Marine Fisheries Council and the Department of Health. ~~No application shall be approved by the CRMC prior to the issuance of a R.I. Pollutant Discharge Elimination System (RIPDES) permit shall be obtained from DEM Office of Water Resources by DEM, if required.~~

8.3.1 The Director may review the application to determine whether the aquaculture activities proposed in the application are not likely to cause and adverse effect on the marine life adjacent to the area to be subject to the permit and the waters of the state, and not likely to have an adverse effect on the continued vitality of indigenous fisheries of the state, and for consistency with other state statutes as applicable.

8.3.2 The RI Marine Fisheries Council (RIMFC) may review the CRMC application to determine whether the aquaculture activities proposed in the application are consistent with competing uses engaged in the exploitation of the marine fisheries. The RIMFC shall provide a recommendation to the CRMC consistent with RIGL 20-10-5.

8.4 As applicable or required, a R.I. Pollutant Discharge Elimination System (RIPDES) permit shall be obtained from DEM Office of Water Resources.

~~8.5~~ ~~6.6.5~~ Approved Waters— Water quality at any site used for open water aquaculture or land-based aquaculture must meet the water quality criteria appropriate to the aquaculture activity as determined by the DEM Office of Water Resources. As applicable or required, a Water Quality Certification shall be obtained from DEM Office of Water Resources.

~~6.2 GEAR REQUIREMENTS~~

~~6.2.1 Marking~~— All aquaculture apparatus must be marked as specified by the CRMC Assent. Said markings must be clearly visible and maintained at all times.

~~6.2.2 Maintenance and Removal~~— The gear and its contents are the possession and responsibility of the aquaculturist, who shall be responsible for its maintenance and eventual removal. The aquaculturist may be required to post a performance bond in an amount specified by CRMC, to be used to return the site, including tidal waters, to the condition that existed prior to the aquaculture, in the

~~event that the gear is abandoned or permit conditions violated.~~

~~6.3 GENERAL REQUIREMENTS~~

~~6.3.1 Operational Plan -- In accordance with the permitting requirements set forth in Rule 6.1 herein, the aquaculturist must submit a written Operational Plan to be reviewed and approved by DEM and maintained on file with the Division of Fish and Wildlife. Operational Plans will be made available for review and inspection by the U.S. Food and Drug Administration. The Operational Plan must be upgraded and resubmitted prior to any change(s) occurring in the aquaculture operation. Aquaculture shall be practiced only in strict compliance with the provisions of the approved Operational Plan. At a minimum, each Operational Plan shall include the following information: description of the design and activities of the aquaculture facility, specific location and boundaries of the aquaculture lease and facility, types and locations of structures (rafts, pens, tanks, etc.), species to be cultured, source of these organisms (i.e., wild or cultured), procedures to prevent contamination, program of sanitation and maintenance, description of the water source including details of water treatment, program to maintain water quality, maintenance of records, and how shell stock will be harvested.~~

~~6.3.2 Shipment/Importation -- The aquaculturist must notify the DEM Divisions of Law Enforcement and Fish and Wildlife in writing of every shipment of animals for culture entering this state, at least five working days prior to entry into the state, and each shipment must be accompanied by a certificate of disease inspection from a recognized laboratory appropriate to the species received. A copy of the certificate of disease inspection must be provided to the Division of Fish and Wildlife along with the written notice prior to the importation of any animals for culture. The Director, in consultation with the Biosecurity Board, may waive the requirement for a certificate of disease inspection, or set forth specific requirements governing shipments.~~

~~6.4 FINFISH CULTURE REQUIREMENTS -- To be developed~~

~~6.5 ALGAE CULTURE REQUIREMENTS -- To be developed~~

9. 6.6 Shellfish Culture Requirements

6.1.39.1 **Cultured crops exempt from wild stock regulations:** Aquaculturists harvesting their cultured crops, in accordance with their CRMC Assent, **and** DEM Aquaculture Permit **license, and operational plan** are exempt from the statutory and regulatory harvest restrictions governing wild stocks, including: seasons, catch or bag limits, minimum sizes, quotas, and methods of harvest. **However, i** **In** no case may aquaculturists possess, import, transport or offer for sale for human consumption to any **individual or entity** **person** cultured quahaugs, *Mercenaria mercenaria*, with a hinge width of less than one inch, unless specifically authorized to possess, import, transport, or sell legal quahaug seed.

9.2 6.6. Shipment and importation of shellfish seed: All shipments of undersized shellfish brought into Rhode Island for aquaculture operations must be approved by the Director or his/her designee and must be labeled or tagged indicating the origin (operator/company name, license number and body of water), date of importation and destination and must be accompanied by a certificate of disease inspection.

9.2.1 All persons wishing to import shellfish seed must submit a written request to the Aquaculture Coordinator of CRMC at least five working days prior to entry into the state. Such request to be mailed to Coastal Resources Management Council, Stedman Government Center, Suite 3, 4808 Tower Hill Road, Wakefield, RI 02879.

9.2.2 Prior to shipment, the Aquaculture Coordinator will make a recommendation to the Director whether to approve or deny any request to import shellfish seed and notify DEM Division of Law Enforcement and Agriculture. The Aquaculture Coordinator may seek the advice and consent of the Aquaculture Biosecurity Board in regard to such request to import shellfish seed.

~~**9.3 6.6.2 Sale for human consumption:** In accordance with all DEM and DOH regulations for the buying, trading, and selling of shellfish, o Only shellfish cultured in approved waters or within an approved land-based system meeting the water quality criteria for harvesting, may be sold for human consumption, and such sales may only be made to licensed RI dealers. All requirements for handling, tagging, use of shellfish containers, and temperature control, as set forth herein in Rules 6.7 through 6.9 inclusive, as well as all other applicable National Shellfish Sanitation Program and DOH standards, must be adhered to. The CRMC lease number will be listed as the harvest area for cultured shellfish. Aquaculturists must hold the appropriate DEM license to sell shellfish to a licensed RI dealer.~~

9.4 6.6.3 Taking or possession of wild stock shellfish by Aquaculturists:

9.4.1 Aquaculturists who also hold a commercial shellfishing or multipurpose license may not take or possess wild stock shellfish while they are in possession of cultured shellfish crops.

9.4.2 ~~Not may~~ An aquaculturist **may not** be in possession of wild stock shellfish while visiting ~~his/her~~ **their** lease or tending ~~his/her~~ **their** shellfish crops, unless they are a properly licensed shellfish dealer and the wild stock shellfish is properly tagged and being held in or at their dealer facility, buy boat, or wet storage operation.

9.4.3 6.6.10 Collection of wild stock shellfish seed: ~~Collection~~ **The taking or possession of undersized** wild stock shellfish ~~seed from other than approved waters~~ is prohibited, **except for spat collection within lease boundaries** unless approved by the Director or his/her designee ~~in a written authorization~~. If ~~permission~~

~~for wild stock seed collection is approved~~ **authorized**, the site, species and amount must be specified by the Director or his/her designee in writing. ~~The aquaculturist must notify the DEM Divisions of Fish and Wildlife and Law Enforcement in writing at least ten (10) days prior to the activity. The aquaculturist may be required to be accompanied by a DEM Environmental Police Officer, and the aquaculturist will have to pay for the Environmental Police Officer detail~~

~~6.6.4 Possession of wild undersized shellfish: Possession of undersized wild stock shellfish is not authorized under any circumstances.~~

9.5 ~~6.6.6~~ **Water quality changes:** Water quality and water quality classification of waters within the state **as determined by the Office of Water Resources** are subject to change due to various environmental conditions. In some cases the aquaculturist shall be required to respond to these changes. DEM shall not assume any liability for any changes in classification and shall assume no liability to the aquaculturist for damages incurred due to such actions.

9.6 ~~6.6.7~~ **Shellfish aquaculture in conditionally approved growing areas:** When a shellfish aquaculture lease is **located** in a conditionally **approved** area, ~~and the area is in the closed status,~~ the aquaculturist ~~may not~~ **is prohibited from** visiting his/her ~~the~~ lease to tend his/her ~~the~~ shellfish crops **when the area is in a closed status**, unless the aquaculturist has ~~applied for and~~ received permission from the Director ~~because of, and to the extent of, exigent circumstances. Under no circumstances may~~ The aquaculturist harvest **of** cultured stock ~~when his/her~~ **from the** lease ~~is in a~~ **when the** growing area ~~that~~ is in the closed status **is prohibited**.

9.7 ~~6.6.8~~ **Transfer of seed from other than approved waters:** Shellfish seed cultured in other than approved waters ~~may~~ **in accordance with a CRMC permit must** be transferred by the aquaculturist to an approved aquaculture lease in approved waters in accordance with ~~the terms of the~~ an approved **assent, license, and** operational plan, ~~with DEM Division of Fish and Wildlife and Division of Law Enforcement notification~~ **prior to the shellfish exceeding the seed size limit**. If more than 10 percent of the cultured shellfish within a lot or batch exceed the ~~definition of~~ seed **size limit** (in the case of quahaugs, if any exceed 20 mm, and in the case of oysters, if any exceed 32 mm), they shall not be moved from other than approved waters to an approved growing area without prior permission of the DEM Director and the DOH.

9.8 ~~6.6.9~~ **Harvest of shellfish transferred from other than approved waters as seed:** An aquaculturist wishing to use seed that have been produced in other than approved waters must ~~submit an~~ **describe in the** operational plan ~~to the Director~~ how he/she intends to track and document the growth and harvest of these shellfish. Aquaculturists must maintain accurate and complete records of all shellfish seed culture in other than approved waters and removal of such shellfish seed to approved waters including, but not limited to, source, numbers transferred, size composition, time/dates of transfer, harvest and sale of the shellfish. These records must be maintained for a minimum of two years and must be available for inspection by agents of the DOH, DEM ~~Division of~~

Law Enforcement, or DEM Division of Fish and Wildlife, **or CRMC** upon request. If record keeping and tracking protocols are inadequate, then the aquaculturist must only use seed from approved waters. No shellfish may be harvested until they have spent at least ~~twelve (12)~~ **six (6)** months in approved waters.

~~6.6.9.1 Permitted Activities -- If an aquaculturist has a permit to raise shellfish in other than approved water, then it is assumed that all shellfish of that species sold by that aquaculturist have been in other than approved waters, unless the aquaculturist can demonstrate that all shellfish were removed from other than approved waters when seed.~~

~~6.6.9.2 Transplanting of Shellfish Exceeding Seed Size Limits -- No shellfish exceeding the seed size limits shall be transplanted from other than approved waters unless done so under the authority of the DEM Director and DOH Director according to the Memorandum of Agreement for conducting shellfish transplant/relay operations. Possession, culture and transportation of shellfish other than seed (as defined) from other than approved water is prohibited.~~

6.7.10. Handling of Shellfish

6.7.410.1 General requirements: Shellfish aquaculturists shall conduct all activities and operations involving or relating to the possession and handling of shell stock so as to prevent contamination, deterioration and decomposition of such shell stock.

6.7.210.2 Containers: Containers used for storing shell stock must be clean.

6.7.310.3 Vessels: Vessel decks and storage bins used in the harvest or transport of shell stock shall be kept clean with potable water or water from the growing area in approved classification or the open status of conditional areas. Aquaculturists using a vessel to harvest and transport shell stock shall assure that said vessel is properly constructed, operated and maintained to prevent contamination, deterioration and decomposition of shell stock. Aquaculturists using a vessel to harvest and transport shell stock shall prevent bilge water from coming into contact with shell stock.

6.7.410.4 Bilge water: Aquaculturists using a vessel to harvest and transport shell stock shall provide such vessel with effective drainage to avoid contact between bilge water and shell stock. Aquaculturists using a vessel to harvest and transport shell stock shall locate bilge pumps so that discharge shall not contaminate shell stock.

6.7.610.5 Waste discharge prohibited: It is unlawful to discharge any sewage from a vessel into the waters of the state.

6.7.510.6 Washing: Shell stock shall be washed reasonably free of bottom sediments as soon after harvesting as possible. The harvester shall be primarily responsible for washing shell stock. If shell stock washing is not feasible at the time of harvest, the dealer shall assume this responsibility. Water used for washing shall be from a potable

water source, or growing area in the approved classification or open status of the conditionally approved classification.

6-811. Tagging of Shellfish

6-8.411.1 Required Use of Tagged Containers: Aquaculturists must place any and all shellfish taken by them (except those shellfish returned to the waters of the aquaculture lease or facility) into containers, and must tag each and every container with a completed, ~~as defined in Rule 6-8.2 below, except for the information in Rule 6-8.2.5, which will be provided at the conclusion of the harvest,~~ harvester tag, ~~as defined in Rule 6-8.2.5 below,~~ **prior to harvested shellfish being placed in the container. The approximate quantity of shellfish may be completed at the conclusion of harvest.**

6-8.211.2 Tags: The harvester tag shall be durable, waterproof and sanctioned by the DOH. The tag shall contain the following indelible, legible information in the order specified below:

6-8.2.111.2.1 Aquaculturist's **license identification** number as assigned by DEM;

6-8.2.211.2.2 Harvest commencement time and date;

6-8.2.311.2.3 The harvest location as identified by the CRMC Assent number;

6-8.2.411.2.4 Type (species) of shellfish;

6-8.2.511.2.5 Approximate quantity of shellfish; and

6-8.2.611.2.6 The following statement in bold capitalized type: **"THIS TAG IS REQUIRED TO BE ATTACHED UNTIL CONTAINER IS EMPTY OR IS RETAGGED AND THEREAFTER KEPT ON FILE FOR 90 DAYS"**

6-8.311.3 Commingling Prohibition and Tagging by Aquaculturists/Dealers:

Aquaculturists shall not place shell stock harvested from more than one growing area into the same container. When the aquaculturist is also a dealer, the aquaculturist has the option to tag the shell stock with a harvester tag or a dealer's tag meeting the requirements of the DOH regulations.

6-8.411.4 Bulk Tagging: Bulk tagging of shell stock will be permitted under the following criteria:

6-8.4.111.4.1 When shell stock are harvested from one aquaculture lease site or facility on a single day, multiple containers may be utilized on a wrapped pallet, in a tote, in a net brailer, in a single boat, in a vehicle or other container, and the unit tagged with a single tag, provided that the tag specifies the number of individual containers in the unit or an estimate of the total weight, volume, or count; and

~~6.8.4.2~~**11.4.2** A written statement is provided that “All shell stock containers in the lot have the same harvest data and area of harvest.”

6.9.12. Temperature Control of Shellfish

~~6.9.2~~**12.1** General Requirements: Aquaculturists shall not allow shell stock to deteriorate or decompose from exposure to excessive temperature and shall deliver shell stock to a licensed dealer before such deterioration or decomposition occurs.

~~6.9.3~~**12.2** Harvest of Oysters annually from September 15 through June 30 inclusive: The maximum allowable time between the harvest of shell stock and delivery to a dealer shall be twelve hours. Possession of shell stock by anyone other than a licensed dealer in excess of twelve (12) hours is prohibited. This maximum allowable time may be reduced by DEM, via emergency regulation, in certain harvest areas if environmental changes necessitate such adjustment.

~~6.9.4~~**12.3** Harvest of Oysters ~~outside of designated Temperature Control or Thermally Impacted areas~~ annually from July 1 through September 14 inclusive:

~~6.9.4.1~~**12.3.1** All oysters harvested shall be transferred to a licensed dealer within five (5) hours of the commencement of harvest

~~6.9.4.2~~**12.3.2** All harvested oysters shall be subject to shading immediately upon harvest.

~~6.9.4.3~~**12.3.3** All oysters that are removed from the water for less than twelve (12) hours for husbandry purposes must be resubmerged for no less than forty-eight (48) hours before harvest.

~~6.9.4.4~~**12.3.4** All oysters that are removed from the water for twelve (12) hours or greater for husbandry purposes must be resubmerged for no less than seven days (168 hours) before harvest.

~~6.9.4.5~~**12.3.5** All oysters that are exposed to air drying must be resubmerged for no less than seven days (168 hours) before harvest.

~~6.9.5 Harvest of Oysters from Within a Designated Temperature Control or Thermally Impacted area~~

~~6.9.5.1~~**12.3.6** ~~In addition to the requirements of Rule 6.9.4 above,~~ All oysters harvested from a Designated Temperature Control or Thermally Impacted area shall **also** be harvested in compliance with one of the following requirements:

~~6.9.5.1.1~~**(A)** Harvesters shall terminate all harvest activities and all harvested oysters must be transferred to a dealer or placed in mechanical refrigeration or adequately iced by 11:00 a.m. between the dates of July 1st and August 31st,

inclusive; and by noon between September 1 and September 14th, inclusive. Upon being placed in mechanical refrigeration or adequately iced, oysters must remain under temperature control ~~or adequately iced~~ until transferred to a licensed dealer.

6.9.5.1.2(B) Oysters that are harvested after the times specified in ~~Rule 6.9.5.1.4~~ this section must be delivered to a licensed dealer within two (2) hours of the commencement of harvest; or placed in mechanical refrigeration or adequately iced within two (2) hours of the commencement of harvest until the oysters are transferred to a licensed dealer.

~~Rule 7.13.~~ **GENERAL Enforcement AUTHORITIES**

~~7.1 General -- The Director's authority to enforce aquaculture regulations and applicable statutes shall be the same as his or her enforcement powers over the free and common fisheries of the state, as provided for in RIGL Title 20 and Chapter 42-17.1.~~

7.213.1 Authority to Enter and Inspect: The Director shall have the authority to enter and inspect any and all **areas aquaculture facilities** ~~subject to an aquaculture permit~~ for the purposes of determining compliance with the terms and provisions of the CRMC assent or permit, ~~and DEM permit~~ **license, and approved operational plan (RIGL 20-10-15)**.

7.313.2 Violations: Unless otherwise provided, violations of and/or noncompliance with the regulations set forth herein shall be prosecuted under the applicable sections of RIGL Chapter 20-10. In addition to other penalties provided by law or other rule or regulation, any licensed aquaculturist who violates the provisions of these rules or any order issued by the director shall be subject to suspension, revocation or denial of his/her license and/or permit in accordance with RIGL Sections 20-2-13, 20-10-16.1, and 42-17.1-2(~~s~~**19**).

14. Effective Date

The foregoing rules and regulations, "***Aquaculture of Marine Species in Rhode Island Waters***", after due notice and an opportunity for hearing, are hereby adopted and filed with Secretary of State this _____ day of _____, ~~2014~~ **2015** become effective twenty (20) days after filing, in accordance with the provisions of the General Laws of 1956, as amended, specifically Chapters 42-17.1 and 42-35 and 4-13.

Janet L. Coit, Director
Department of Environmental Management

Notice Given: 08/21/2015
Public Hearing: 09/21/2015
Filing date: XX/XX/2015
Effective date: XX/XX/2015
ERLID# ~~7758~~ 8177