115TH CONGRESS 2D SESSION

H. R. 6966

To establish a regulatory system for marine aquaculture in the United States exclusive economic zone, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

September 28, 2018

Mr. Palazzo (for himself and Mr. Peterson) introduced the following bill; which was referred to the Committee on Natural Resources, and in addition to the Committee on Agriculture, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned

A BILL

To establish a regulatory system for marine aquaculture in the United States exclusive economic zone, and for other purposes.

- 1 Be it enacted by the Senate and House of Representa-
- 2 tives of the United States of America in Congress assembled,
- 3 SECTION 1. SHORT TITLE; TABLE OF CONTENTS.
- 4 (a) Short Title.—This Act may be cited as the
- 5 "Advancing the Quality and Understanding of American
- 6 Aquaculture Act" or the "AQUAA Act".
- 7 (b) Table of Contents.—The table of contents for
- 8 this Act is as follows:

- Sec. 1. Short title; table of contents.
- Sec. 2. Findings and purposes.
- Sec. 3. Definitions.
- Sec. 4. Office of Marine Aquaculture.
- Sec. 5. Administration.
- Sec. 6. Offshore aquaculture permits.
- Sec. 7. Restrictions on offshore aquaculture activities.
- Sec. 8. Recordkeeping and access to information.
- Sec. 9. Programmatic environmental impact statements.
- Sec. 10. Environmental and management standards.
- Sec. 11. Research and development grant program.
- Sec. 12. Enforcement.
- Sec. 13. Authorization of appropriations.

1 SEC. 2. FINDINGS AND PURPOSES.

- 2 (a) FINDINGS.—Congress finds the following:
- 3 (1) There is increasing interest within the
- 4 United States in developing commercial marine
- 5 aquaculture, in order to provide nutritious, sustain-
- 6 able seafood for domestic consumption and export to
- 7 global markets.
- 8 (2) There is a need for a Federal program in
- 9 the United States that specifically provides a com-
- prehensive, nationwide permitting system for, or
- 11 management of, marine aquaculture facilities in the
- 12 exclusive economic zone.
- 13 (3) Regulatory certainty and security of tenure
- are needed to make business investment decisions
- about marine aquaculture.
- 16 (4) Potential economic, environmental, and so-
- cial benefits can be derived from marine aquaculture
- technologies. To balance those benefits against con-
- 19 cerns about environmental and socioeconomic im-

- pacts, additional research and development is needed to adequately assess the potential for adverse impacts on the environment and coastal communities, to develop tools and practices for proper siting and operation of marine aquaculture facilities, and to ensure that those impacts, if any, can be mitigated through improvements of marine aquaculture technologies.
 - (5) The United States is the leading global net importer of fish and fishery products, with over 90 percent of the seafood consumed in the United States, by value, imported from other countries, about 50 percent of which is derived from aquaculture. The United States, as a result, runs a substantial trade deficit in seafood.
 - (6) Increasing the overall effectiveness and productivity of Federal aquaculture research, technology transfer, and assistance programs is coordinated by the Interagency Working Group on Aquaculture (referred to in this section as "IWGA" and formerly known as the Joint Subcommittee on Aquaculture), which was created by Congress in the National Aquaculture Act of 1980 (Public Law 96–362). The IWGA is chaired by the Department of Agriculture, with vice-chairs from the Department of Commerce

- and the Department of the Interior, and reports to
 the Committee on Science of the National Science
 and Technology Council. The IWGA addresses issues
 of national scope and importance and may form national task forces or special projects to facilitate a
 coordinated, systematic approach to addressing critical issues and needs.
 - (7) As affirmed by Congress in the National Aquaculture Act of 1980 (Public Law 96–362), marine aquaculture conducted in Federal waters is in the public interest.
 - (b) Purposes.—The purposes of this Act are—
 - (1) to support the development of a sustainable marine aquaculture industry in the United States;
 - (2) to safeguard the marine environment, wild fish stocks, and our coastal communities;
 - (3) to support research and technology development to further these goals;
 - (4) to provide new jobs and to support existing jobs within the seafood industry of the United States, including jobs for traditional fishing industry partners; and
 - (5) to reduce the United States seafood trade deficit by expanding the domestic supply of seafood through the production of marine aquaculture.

1 SEC. 3. DEFINITIONS.

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2	In this Act:
3	(1) Coastal state.—Except as otherwise spe-
4	cifically provided, the term "coastal State" has the
5	meaning given the term "coastal state" in section
6	304(4) of the Coastal Zone Management Act of
7	1972 (16 U.S.C. 1453(4)).
8	(2) Cultured species.—The term "cultured
9	species" means—
10	(A) any finfish, mollusk, crustacean,
11	aquatic plant, alga, echinoderm, zooplankton,
12	diadromous species, or other marine species
13	propagated and reared for marine aquaculture,
14	excluding marine mammals and birds; or
15	(B) a natural set of mussels or other spe-
16	cies described in subparagraph (A) that provide
17	seed for certain types of aquaculture practices,
18	such as rope culture for mussels.
19	(3) Exclusive economic zone.—
20	(A) In general.—Unless otherwise speci-
21	fied by the President in the public interest in
22	a writing published in the Federal Register, the
23	term "exclusive economic zone" means a zone,
24	the outer boundary of which is 200 nautical

miles from the baseline from which the breadth

of the territorial sea is measured (except as es-

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1	tablished by a maritime boundary treaty in
2	force or being provisionally applied by the
3	United States or, in the absence of such a trea-
4	ty, where the distance between the United
5	States and another country is less than 400
6	nautical miles, a line equidistant between the
7	United States and the other country).
8	(B) INNER BOUNDARY.—Without affecting
9	any Presidential proclamation with regard to
10	the establishment of the United States terri-
11	torial sea or exclusive economic zone, the inner
12	boundary of the exclusive economic zone is—
13	(i) in the case of the coastal States, a
14	line coterminous with the seaward bound-
15	ary of each such State, as described in sec-
16	tion 4 of the Submerged Lands Act (43
17	U.S.C. 1312);
18	(ii) in the case of Puerto Rico, a line
19	3 marine leagues from the coastline of
20	Puerto Rico;
21	(iii) in the case of American Samoa,
22	the Virgin Islands, and Guam, a line 3 ge-
23	ographic miles from the coastlines of
24	American Samoa, the Virgin Islands, or

Guam, respectively;

1	(iv) in the case of the Commonwealth
2	of the Northern Mariana Islands—
3	(I) the coastline of the Common-
4	wealth of the Northern Mariana Is-
5	lands, until the Commonwealth of the
6	Northern Mariana Islands is granted
7	authority by the United States to reg-
8	ulate all fishing to a line seaward of
9	its coastline; and
10	(II) upon the United States
11	grant of such authority, the line es-
12	tablished by such grant of authority;
13	or
14	(v) for any possession of the United
15	States not under clause (ii), (iii), or (iv),
16	the coastline of such possession.
17	(C) Construction.—Nothing in this defi-
18	nition may be construed to diminish the author-
19	ity of the Department of Defense, the Depart-
20	ment of the Interior, or any other Federal de-
21	partment or agency.
22	(4) Lessee.—The term "lessee" means any
23	party to a lease, right-of-use and easement, or right-
24	of-way, or an approved assignment thereof, issued

- pursuant to the Outer Continental Shelf Lands Act (43 U.S.C. 1331 et seq.).
 - (5) Marine aquaculture.—The term "marine aquaculture" means any activity involved in the propagation, rearing, or attempted propagation or rearing, of cultured species in saltwater or brackish water conditions in the exclusive economic zone, State waters, coastal waters, estuaries, or land-based facilities, including recirculating saltwater facilities directly supporting such activities.
 - (6) Offshore aquaculture.—The term "offshore aquaculture" means any activities involved in the propagation, rearing, or attempted propagation or rearing, of cultured species in the exclusive economic zone.
 - (7) Offshore aquaculture facility' means—
 - (A) an installation or structure used, in whole or in part, for offshore aquaculture; or
 - (B) an area of the seabed, water column, or the sediment used for offshore aquaculture.
 - (8) Secretary.—Except as otherwise specifically provided, the term "Secretary" means the Secretary of Commerce, acting through the Under Secretary of Commerce for Oceans and Atmosphere.

1 SEC. 4. OFFICE OF MARINE AQUACULTURE.

2	(a) Office of Marine Aquaculture.—The Sec-
3	retary shall establish and provide resources to an Office
4	of Marine Aquaculture within the National Marine Fish-
5	eries Service at the National Oceanic and Atmospheric Ad-
6	ministration headquarters, including presence in each of
7	the regional fisheries offices of the National Oceanic and
8	Atmospheric Administration.
9	(b) Duties.—The Office of Marine Aquaculture
10	shall—
11	(1) coordinate regulatory, scientific, outreach,
12	and international issues related to aquaculture with-
13	in the National Oceanic and Atmospheric Adminis-
14	tration;
15	(2) coordinate the National Oceanic and Atmos-
16	pheric Administration's aquaculture activities, in col-
17	laboration with the Office of Oceanic and Atmos-
18	pheric Research and the National Ocean Service;
19	(3) support existing aquaculture outreach, edu-
20	cation, extension services, and training efforts, such
21	as those from the National Sea Grant College Pro-
22	gram and the National Oceanic and Atmospheric
23	Administration Regional Aquaculture Coordinators;
24	(4) provide opportunities for engagement with
25	owners and operators of offshore aquaculture facili-
26	ties, fishery management councils, conservation or-

- ganizations, fisheries associations, State governments, and other interested stakeholders;
 - (5) administer the research and development grant program under section 11;
 - (6) organize through each regional fisheries office a network of regional experts and Federal agency contacts, in coordination with relevant organizations (including the National Sea Grant College Program, the Department of Agriculture Regional
 Aquaculture Centers, land-grant universities, and
 the Cooperative Extension System of the Department of Agriculture) to provide technical expertise
 and extension services on marine aquaculture and
 information on Federal permit requirements;
 - (7) maintain supporting aquaculture divisions in each of the regional fisheries offices of the National Oceanic and Atmospheric Administration; and
 - (8) administer at least 1 Administration Regional Aquaculture Coordinator in each of the 6 National Marine Fisheries regions, which shall be located at a regional office in the respective region.
- 22 (c) AQUACULTURE SUBCOMMITTEE.—The Office of 23 Marine Aquaculture shall coordinate its activities with the 24 aquaculture advisory board of the Marine Fisheries Advi-25 sory Committee. The Marine Fisheries Advisory Com-

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- 1 mittee shall designate the "Aquaculture Subcommittee" as
- 2 a permanent, standing committee to serve as an external
- 3 board to advise the Secretary on aquaculture. The Aqua-
- 4 culture Subcommittee shall coordinate with the National
- 5 Sea Grant Advisory Board, as appropriate.

6 SEC. 5. ADMINISTRATION.

- 7 (a) NOAA AUTHORITY.—The National Oceanic and
- 8 Atmospheric Administration shall serve as the lead Fed-
- 9 eral agency for purposes of providing information on Fed-
- 10 eral permitting requirements for marine aquaculture in
- 11 State and Federal waters.
- 12 (b) Discussion of Proposed Projects.—For off-
- 13 shore aquaculture, the National Oceanic and Atmospheric
- 14 Administration shall arrange opportunities for prospective
- 15 permit applicants to discuss proposed projects with other
- 16 Federal agencies with Federal permit and review respon-
- 17 sibilities prior to submittal of a permit application, and
- 18 coordinate the efficient application for permits and ap-
- 19 provals required by Federal agencies. Nothing in this sub-
- 20 section precludes an applicant from contacting other rel-
- 21 evant Federal agencies directly.
- 22 (c) REGULATIONS.—The Secretary shall—
- 23 (1) promulgate regulations, after consulting
- 24 with relevant Federal agencies, coastal States, re-
- 25 gional fishery management councils, and tribal gov-

1	ernments (within the meaning of such term in Exec-
2	utive Order 13175 (65 Fed. Reg. 67249)) to imple-
3	ment this Act, including—
4	(A) procedures to issue, modify, deny, re-
5	voke, or suspend an offshore aquaculture per-
6	mit;
7	(B) procedures to coordinate the offshore
8	aquaculture permitting process, with similar or
9	complementary activities administered by other
10	Federal agencies, tribal governments, and
11	coastal States;
12	(C) procedures to monitor and evaluate
13	permit compliance;
14	(D) procedures to transfer an offshore
15	aquaculture permit from an original permit
16	holder to a person that meets the requirements
17	under section 6(a);
18	(E) procedures to consider public-private
19	partnerships;
20	(F) procedures to minimize, as much as
21	practicable, conflicts with existing uses in the
22	exclusive economic zone; and
23	(G) development of an offshore aqua-
24	culture permit that can be issued in accordance
25	with the requirements of section 6: and

1	(2) promulgate such additional regulations as
2	are necessary and appropriate to carry out this Act
3	(d) AGREEMENTS.—The Secretary may enter into
4	and perform such contracts, leases, or cooperative agree-
5	ments, and make and receive such grants or funds, as may
6	be necessary to carry out this Act.
7	(e) Assurance of Animal Health.—
8	(1) In general.—Nothing in this section shall
9	affect the authority of the Secretary of Agriculture
10	to—
11	(A) carry out the Animal Health Protec-
12	tion Act (7 U.S.C. 8301 et seq.) with respect to
13	cultured species in the exclusive economic zone
14	or
15	(B) operate as the lead Federal agency for
16	providing animal health oversight for cultured
17	species in the exclusive economic zone.
18	(2) Criteria for practicing veterinary
19	MEDICINE IN WATERS OUTSIDE STATE JURISDIC-
20	TION.—A veterinarian may practice veterinary medi-
21	cine in waters outside State jurisdiction if the veteri-
22	narian—
23	(A) is licensed and in good standing to
24	practice veterinary medicine in any State;

1	(B) holds a category II veterinary accredi-
2	tation from the Animal and Plant Health In-
3	spection Service that includes completion of
4	aquatic animal health modules of the Animal
5	and Plant Health Inspection Service; and
6	(C) has a valid veterinarian client-patient
7	relationship with the facility in which he or she
8	is practicing veterinary medicine.
9	SEC. 6. OFFSHORE AQUACULTURE PERMITS.
10	(a) In General.—After the Secretary promulgates
11	final regulations under section 5(c)(1), the Secretary may
12	issue an offshore aquaculture permit if the Secretary de-
13	termines that—
14	(1) the applicant has demonstrated that the off-
15	shore aquaculture facility will be—
16	(A) maintained in good working order; and
17	(B) operated and sited in a manner that
18	minimizes adverse impacts on the marine envi-
19	ronment;
20	(2) the proposed offshore aquaculture facility is
21	consistent with national policy goals and objectives,
22	including sustainable and healthy fisheries, maritime
23	shipping, and environmental quality, consistent with
24	section 10; and

1	(3) issuance of the offshore aquaculture permit
2	is not prohibited under section 7(b).
3	(b) Authorized Activities.—An offshore aqua-
4	culture permit holder—
5	(1) shall be authorized to conduct offshore
6	aquaculture consistent with this Act (including regu-
7	lations), other applicable provisions of law (including
8	regulations), and any terms or conditions prescribed
9	under subsection (d)(2); and
10	(2) may raise specified cultured species in a
11	specific offshore aquaculture facility within a speci-
12	fied area of the exclusive economic zone if the cul-
13	tured species is considered—
14	(A) native to the region where the aqua-
15	culture facility is located;
16	(B) sterile or otherwise not capable of pro-
17	ducing viable offspring; or
18	(C) by the best available science, to be not
19	likely to become invasive and cause undue harm
20	to wild species, habitats, or ecosystems, or sup-
21	plement existing invasive populations, in the
22	event of an escape.
23	(c) Permit Procedure.—

1	(1) Application.—An applicant for a permit
2	shall submit an application to the Secretary. The ap-
3	plication shall specify—
4	(A) the proposed location of the offshore
5	aquaculture facility;
6	(B) the type of operation;
7	(C) the cultured species, or a specified
8	range of species, to be propagated or reared, or
9	both, at the offshore aquaculture facility;
10	(D) the ways in which the permit holder
11	will address potential environmental impacts,
12	including invasive species, pathogens, impacts
13	on benthic habitat and water quality;
14	(E) a plan to protect the health of the cul-
15	tured species described in subparagraph (C), in-
16	cluding a plan for responding to a disease out-
17	break;
18	(F) such other design, construction, and
19	operational information, as the Secretary may
20	require, including measures to withstand sig-
21	nificant weather events that could damage or
22	impact the offshore aquaculture facility and a
23	contingency plan for responding to an escape of
24	farmed fish of the proposed cultured species,

from the offshore aquaculture facility, including

1	a response to a technical failure of the facility
2	that presents a navigational hazard;
3	(G) a plan for conducting necessary envi-
4	ronmental monitoring; and
5	(H) a facility decommissioning plan.
6	(2) Notice.—The Secretary shall provide pub-
7	lic notice and an opportunity for public comment for
8	each offshore aquaculture permit application. To the
9	extent practicable, the public notice for each permit
10	application shall fulfill the public notice requirement
11	for all Federal agencies under all applicable provi-
12	sions of law, and the response to public comment
13	shall include all agency responses to all aspects of
14	each facility or group of facilities.
15	(3) Deadlines for consideration of appli-
16	CATIONS FOR PERMITS.—Not later than 10 days
17	after the date on which the Secretary receives an
18	offshore aquaculture permit application, the Sec-
19	retary shall—
20	(A) notify the applicant that the applica-
21	tion is complete; or
22	(B) notify the applicant that information is
23	missing and specify any information that is re-
24	quired to be submitted for the application to be
25	complete.

1	(4) Issuance or Deferral.—Not later than
2	30 days after the period for public comments on a
3	completed application has concluded, the Secretary
4	shall—
5	(A) issue the permit, if the requirements
6	under the National Environmental Policy Act of
7	1969 (42 U.S.C. 4321 et seq.) and other appli-
8	cable law have been completed within such
9	timeframe; or
10	(B) defer the decision on the permit and
11	provide to the applicant a notice—
12	(i) that specifies any steps that the
13	applicant could take for the permit to be
14	issued; and
15	(ii) a list of actions that need to be
16	taken by the agency to complete compli-
17	ance with applicable law together with
18	timelines and deadlines for completing
19	such actions.
20	(5) Requirements for deferred applica-
21	TIONS.—
22	(A) In General.—If the Secretary pro-
23	vides notice under paragraph (4)(B), the appli-
24	cant shall have a period of 2 years from the
25	date of receipt of the notice in which to com-

- plete all requirements specified by the Secretary, including providing information needed for compliance with the National Environmental Policy Act of 1969.
- (B) Issuance of Decision on Permit.— 6 If the applicant completes the requirements 7 within the period specified in subparagraph (A), 8 the Secretary shall issue a decision on the per-9 mit not later than 10 days after the date of 10 completion of the requirements described in 11 subparagraph (A), unless compliance with the 12 National Environmental Policy Act of 1969 and 13 other applicable law has not been completed 14 within such timeframe.
 - (C) Denial of Permit.—If the applicant does not complete the requirements within the period specified in subparagraph (A) or if the applicant does not comply with applicable law, the Secretary shall deny the permit.
- 20 (d) ELIGIBLE APPLICANTS.—An offshore aqua-21 culture permit holder shall be—
- 22 (1) a citizen or permanent resident of the 23 United States; or
- 24 (2) a corporation, partnership, or other entity 25 that—

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1	(A) is organized and existing under the
2	laws of a State or the United States; and
3	(B) is not State-owned or majority-con-
4	trolled by a State-owned enterprise.
5	(e) Duration.—
6	(1) In general.—An offshore aquaculture per-
7	mit shall have an initial 25-year duration, and may
8	be renewed subject to the terms of this Act.
9	(2) Exceptions.—
10	(A) The Secretary shall develop the dura-
11	tion of an offshore aquaculture permit for a
12	project involving pilot-scale testing or farm-
13	scale research on aquaculture science and tech-
14	nologies.
15	(B) The Secretary shall develop the dura-
16	tion of an offshore aquaculture permit subject
17	to subsection (m)(1), in consultation with the
18	Secretary of the Interior, except that the permit
19	shall expire not later than the date that the les-
20	see or the lessee's operator submits, to the Sec-
21	retary of the Interior, a final application for the
22	decommissioning and removal of an existing fa-
23	cility upon which an offshore aquaculture facil-
24	ity is located.

- 1 (f) Renewal.—An offshore aquaculture permit hold-
- 2 er may renew a permit for an additional 25-year period
- 3 before the end of the original permit's duration provided
- 4 that the permit or amended permit complies with existing
- 5 requirements.
- 6 (g) REVOCATION.—The Secretary may, pursuant to
- 7 regulations issued under this Act, revoke an offshore
- 8 aquaculture permit if—
- 9 (1) the permit holder fails to begin offshore
- aquaculture operations within 2 years from the date
- the required Federal permits are obtained;
- 12 (2) there is a prolonged interruption of offshore
- aquaculture operations, unrelated to best manage-
- ment practices such as fallowing, which the Sec-
- retary may consider to be prolonged no sooner than
- 2 years after the initial interruption; or
- 17 (3) the permit holder repeatedly violates the
- 18 conditions of the aquaculture permit and the Sec-
- retary determines that such violations are severe
- 20 enough to warrant discontinuation of operations.
- 21 (h) Expiration.—Not later than 1 year after the ex-
- 22 piration or termination of an offshore aquaculture permit,
- 23 a permit holder shall—
- 24 (1) remove all structures, gear, and other prop-
- erty from the site; and

- (2) take such other measures to restore the site,
 as the Secretary considers necessary.
- 3 (i) Emergency Determination.—If the Secretary
- 4 determines that an emergency exists that poses a signifi-
- 5 cant risk to the safety of humans, to the marine environ-
- 6 ment, to cultured species, to a marine species, or to the
- 7 security of the United States and that requires suspen-
- 8 sion, modification, or revocation of an offshore aqua-
- 9 culture permit, the Secretary may suspend, modify, or re-
- 10 voke the permit for such time as the Secretary determines
- 11 is necessary to address the emergency. The Secretary shall
- 12 afford the permit holder a prompt post-suspension, post-
- 13 modification, or post-revocation opportunity to be heard
- 14 regarding the suspension, modification, or revocation.
- 15 (j) Fees.—
- 16 (1) Establishment.—The Secretary may es-
- tablish, by regulation, application fees and annual
- permit fees. The fees shall be deposited as offsetting
- 19 collections in the Operations, Research, and Facili-
- ties account. Fees may be collected and made avail-
- able to the extent provided in advance in appropria-
- tion Acts. Such fees shall be set as an amount such
- that the total revenue from such fees does not ex-
- ceed the amount required to cover the costs of man-
- agement, data collection, analysis, inspection, and

1	enforcement activities related to permits under this
2	section.
3	(2) WAIVERS.—The Secretary may waive, in
4	whole or in part, any fee under this section if an off-
5	shore aquaculture facility is used primarily for re-
6	search.
7	(3) Guarantees.—The Secretary shall require
8	a permit holder to post a bond or other form of fi-
9	nancial guarantee in an amount determined by the
10	Secretary, to be reasonable and commensurate with
11	the aquaculture operation and as sufficient to cover,
12	without duplication—
13	(A) any unpaid fees;
14	(B) the cost of removing an offshore aqua-
15	culture facility at the expiration or termination
16	of an offshore aquaculture permit; and
17	(C) the cost of site remediation for impacts
18	arising from authorized activities.
19	(k) Magnuson-Stevens Fishery Conservation
20	AND MANAGEMENT ACT.—Beginning on the effective date
21	of the final regulations promulgated under section $5(c)(1)$,
22	the conduct of offshore aquaculture that is in accordance
23	with an offshore aquaculture permit issued under this Act
24	shall not be considered fishing for purposes of the Magnu-

- 1 son-Stevens Fishery Conservation and Management Act
- 2 (16 U.S.C. 1801 et seq.).
- 3 (1) Statutory Construction.—An offshore aqua-
- 4 culture permit issued under this Act shall not supersede
- 5 or substitute for any other authorization required under
- 6 Federal or State laws (including regulations).
- 7 (m) ACTIONS AFFECTING THE OUTER CONTINENTAL
- 8 Shelf.—
- 9 (1) Notification of Secretary of the in-
- 10 TERIOR.—The Secretary shall notify the Secretary
- of the Interior for each application for an offshore
- aquaculture permit that is located on the outer con-
- tinental shelf.
- 14 (2) Prior consent required.—An offshore
- aquaculture facility may not be located on a lease,
- right-of-use and easement, or right of way author-
- ized or permitted under the Outer Continental Shelf
- Lands Act (43 U.S.C. 1331 et seq.) without the
- prior consent of any lessee and other owner of oper-
- ating interest.
- 21 (3) COMPLIANCE REVIEW.—The Secretary of
- the Interior shall review and approve each agree-
- 23 ment between a prospective offshore aquaculture op-
- erator and a lessee. The Secretary of the Interior
- shall ensure that the agreement is consistent with

1	the Federal lease terms, Department of the Interior
2	regulations, and the Secretary of the Interior's role
3	in the protection of the marine environment, prop-
4	erty, and human life or health. An agreement under
5	this subsection shall—
6	(A) be part of the information reviewed
7	under the Coastal Zone Management Act review
8	process under paragraph (4); and
9	(B) not be subject to a separate Coastal
10	Zone Management Act review.
11	(4) Coordinated Coastal Zone Manage-
12	MENT ACT REVIEW.—
13	(A) STATE REVIEW UNDER SECTION
14	307(c)(3)(A) OF THE COASTAL ZONE MANAGE-
15	MENT ACT OF 1972.—
16	(i) In general.—A coastal State's
17	review under the Coastal Zone Manage-
18	ment Act of 1972 (16 U.S.C. 1451 et seq.)
19	shall include any modification or change to
20	a lessee's approved plan that results from,
21	or is necessary for, the issuance of an off-
22	shore aquaculture permit if the State si-
23	multaneously receives—
24	(I) the information related to the
25	modification or change; and

1	(II) the offshore aquaculture per-
2	mit applicant's consistency certifi-
3	cation.
4	(ii) Simultaneous receipt.—If the
5	coastal State simultaneously receives the
6	information related to a modification or
7	change to a lessee's approved plan and the
8	offshore aquaculture permit applicant's
9	consistency certification, then—
10	(I) a lessee shall not be required
11	to submit a separate consistency cer-
12	tification for the modification or
13	change under section 307(c)(3)(B) of
14	the Coastal Zone Management Act of
15	1972 (16 U.S.C. $1456(c)(3)(B)$); and
16	(II) the coastal State's concur-
17	rence (or presumed concurrence) or
18	objection to the consistency certifi-
19	cation for the offshore aquaculture
20	permit under section $307(c)(3)(A)$ of
21	such Act shall apply both—
22	(aa) to the offshore aqua-
23	culture permit; and
24	(bb) to any related modifica-
25	tion or change to a lessee's plan

approved under the Outer Continental Shelf Lands Act (43 U.S.C. 1331 et seq.).

- (B) STATE REVIEW UNDER SECTION 307(c)(3)(B) of the coastal zone manage-MENT ACT OF 1972.—To the extent that a coastal State is not authorized by section 307(c)(3)(A) of the Coastal Zone Management Act of 1972 (16 U.S.C. 1456(c)(3)(A)) to review an offshore aquaculture permit application submitted under this Act, then a modification or change to a lessee's approved plan shall be subject to coastal State review under section 307(c)(3)(B) of such Act if a consistency certification for the modification or change is required under applicable Federal regulations.
- (C) Lessee's approved Plan De-FINED.—In this paragraph, the term "lessee's approved plan" includes a document for which a consistency certification is required under applicable Federal regulations, such as a change to the approved plan for decommissioning a facility.
- 24 (5) Additional authority.—

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1	(A) IN GENERAL.—The Secretary of the
2	Interior may, to carry out this subsection—
3	(i) promulgate rules and regulations
4	as necessary and appropriate;
5	(ii) require and enforce any additional
6	terms or conditions that the Secretary of
7	the Interior considers necessary to ensure
8	the compatibility of aquaculture operations
9	with activities for which permits, author-
10	izations, leases, negotiated agreements,
11	right-of-way, or right-of-use and easement
12	were issued under the Outer Continental
13	Shelf Lands Act (43 U.S.C. 1331 et seq.);
14	(iii) issue an order to an offshore
15	aquaculture permit holder to take any ac-
16	tion the Secretary of the Interior considers
17	necessary to ensure safe operations on the
18	facility, and to protect the marine environ-
19	ment, property, or human life or health;
20	and
21	(iv) enforce all requirements contained
22	in the regulations, lease terms and condi-
23	tions, and orders under the Outer Conti-
24	nental Shelf Lands Act (43 U.S.C. 1331 et
25	seq.).

1 (B) Interpretation.—Failure to comply
2 with any order issued under subparagraph
3 (A)(iii) shall constitute a violation of the Outer
4 Continental Shelf Lands Act (43 U.S.C. 1331
5 et seq.).

(n) PERMITTING HARMONIZATION.—

- (1) In General.—In promulgating the regulations required to implement this Act, the Secretary shall, to the maximum extent practicable, minimize duplication and harmonize timelines and requirements with other required Federal permits. Efforts under this subsection shall include coordinating timelines for permit application and review processes (including public notice and comment periods) and aligning information requests and reporting requirements for permit applicants and permit holders.
- (2) Environmental analysis.—The National Oceanic and Atmospheric Administration, through the Office of Marine Aquaculture and associated divisions, shall be responsible for coordinating any environmental analysis or environmental impact statement required under the National Environmental Policy Act of 1969 (42 U.S.C. 4321 et seq.) by serving as the lead Federal agency for a single consolidated environmental review for all applicable Federal

- permits for an offshore aquaculture facility or group of facilities, with input from other Federal agencies as cooperating agencies under such Act.
 - (3) COORDINATION OF PERMITTING ACTIVITIES.—To the extent practicable under this Act and all other applicable laws and regulations, Federal agencies with permitting requirements applicable to offshore aquaculture facilities shall coordinate all permitting activities with the Office of Marine Aquaculture. Such coordination shall include the following:
 - (A) Coordinating permit requirements, permit application and review procedures, and monitoring and reporting requirements, and eliminating duplicative requirements.
 - (B) Aligning permit application and review timelines.
 - (C) Participating as a cooperating agency in the preparation of any environmental analysis or environmental impact statement required under the National Environmental Policy Act of 1969 (42 U.S.C. 4321 et seq.) for an offshore aquaculture facility or facilities.
 - (D) Contributing to the single request for public comment and the consolidated response

1 to public comment prepared pursuant to sub-2 section (c)(2). (4) Delegation.—Unless otherwise prohibited, 3 a Federal agency with regulatory authority for off-5 shore aquaculture may delegate its authority to an-6 other Federal agency. SEC. 7. RESTRICTIONS ON OFFSHORE AQUACULTURE AC-8 TIVITIES. 9 (a) In General.—Except as provided in subsection 10 (c), no person may engage in offshore aquaculture except in accordance with an offshore aquaculture permit— 12 (1) issued under section 6; or 13 (2) issued, before the date of enactment of this 14 Act, under the Magnuson-Stevens Fishery Conserva-15 tion and Management Act (16 U.S.C. 1801 et seq.). 16 (b) States With Certain Laws Regarding AQUACULTURE.—With respect to a coastal State that has in effect a law that bans or prohibits certain types of aqua-18 culture, cultured species shall be permitted in the exclusive 19 economic zone adjacent to such State consistent with the 21 law of such State. 22 (c) SAVINGS CLAUSE.—Nothing in this Act shall supersede permit applications in process on the date of enactment of this Act or permits that are in place on the

date of enactment of this Act.

$1\ \ \mbox{SEC.}$ 8. RECORDKEEPING AND ACCESS TO INFORMATION.

2	(a) REGULATIONS.—The Secretary, after consulta-
3	tion with other interested Federal departments and agen-
4	cies, shall prescribe by regulation—
5	(1) the records that a permit holder is required
6	to establish and maintain;
7	(2) the reports that a permit holder is required
8	to make;
9	(3) the information that a permit holder is re-
10	quired to provide, which shall include—
11	(A) data regarding escape events;
12	(B) the prevalence of disease in the off-
13	shore aquaculture facility, including a descrip-
14	tion of veterinary services provided for treat-
15	ment; and
16	(C) other information, as the Secretary
17	may require; and
18	(4) any other recordkeeping that a permit hold-
19	er is required to satisfy, as necessary to carry out
20	this Act.
21	(b) GOVERNMENT ACCESS.—Any United States offi-
22	cial with an official responsibility for implementing and
23	enforcing United States laws applicable to maritime fish-
24	ing, shipping, or conservation, shall have reasonable ac-
25	cess, at all times, to an offshore aquaculture facility for
26	which a permit is issued under this Act (for the purpose

1	of enforcing laws under the official's jurisdiction or other-
2	wise carrying out the official's responsibilities). Such an
3	official may inspect, at reasonable times, records, files, pa-
4	pers, permits, processes, controls, and the offshore aqua-
5	culture facility and may test any feature of the offshore
6	aquaculture facility. Each inspection shall be conducted
7	with reasonable promptness. The permit holder shall re-
8	ceive timely notification, in writing, of the results of the
9	inspection.
10	(c) Inspection.—
11	(1) Frequency.—The Secretary shall con-
12	duct—
13	(A) an annual inspection of offshore aqua-
14	culture facilities for which a permit is issued
15	under section 6 for the first 5 years after
16	issuance of the permit; and
17	(B) a biennial inspection of such facilities
18	thereafter.
19	(2) Notice.—The Secretary shall provide rea-
20	sonable notice prior to site inspections at offshore
21	aquaculture facilities pursuant to paragraph (1).
22	(3) Facilities located on the outer con-
23	TINENTAL SHELF.—The Secretary of the Interior, or
24	a designee of such Secretary, is authorized with in-
25	spection authority under subsection (b)(1) for ma-

1	rine aquaculture facilities located on the outer conti-
2	nental shelf.
3	SEC. 9. PROGRAMMATIC ENVIRONMENTAL IMPACT STATE-
4	MENTS.
5	(a) IN GENERAL.—The Secretary shall initiate and
6	lead programmatic environmental impact statements (re-
7	ferred to in this section as "EISs") for areas of the exclu-
8	sive economic zone determined by the Secretary to be
9	highly favorable for marine aquaculture and likely compat-
10	ible with other uses of such areas.
11	(b) DISTRIBUTION.—The programmatic EISs con-
12	ducted by the Secretary pursuant to subsection (a) need
13	not cover the entirety of the exclusive economic zone, but
14	the Secretary shall attempt to provide coverage in each
15	area of the exclusive economic zone, including the East
16	Coast, Gulf Coast, West Coast, and other areas of the At-
17	lantic and Pacific in the jurisdiction of the United States.
18	(c) REQUIREMENTS.—The following shall apply:
19	(1) Programmatic EISs shall not supersede the
20	requirements of the National Environmental Policy
21	Act of 1969 (42 U.S.C. 4321 et seq.).
22	(2) Individual projects may require additional
23	review pursuant to the National Environmental Pol-
24	icy Act of 1969 (42 U.S.C. 4321 et seq.) to support
25	project-level decisionmaking and to analyze specific

1 issues of concern to other Federal agencies, States, 2 and other stakeholders at the project level. 3 (3) Programmatic and project-specific processes pursuant to the National Environmental Policy Act 5 of 1969 (42 U.S.C. 4321 et seq.) described in this 6 section should consider all public input, including 7 local and regional concerns. 8 SEC. 10. ENVIRONMENTAL AND MANAGEMENT STANDARDS. 9 In issuing permits under section 6 and conducting the 10 programmatic environmental impact statements under 11 section 9, the Secretary shall— 12 (1) consult with appropriate Federal agencies, 13 coastal States, and regional fishery management 14 councils to identify the environmental and manage-15 ment requirements and standards that apply to off-16 shore aquaculture under existing Federal and State 17 laws (including regulations); and 18 (2) consider environmental and management 19 factors that apply to offshore aquaculture under ex-20 isting Federal and State law that— 21 (A) are compatible with the use of the ex-22 clusive economic zone for navigation, fishing, 23 resource protection, recreation, national defense 24 (including military readiness), mineral and en-

ergy exploration and development, transpor-

1	tation, and other activities within the exclusive
2	economic zone;
3	(B) are consistent with conservation and
4	management measures under the Magnuson-
5	Stevens Fishery Conservation and Management
6	Act (16 U.S.C. 1801 et seq.) and will not un-
7	reasonably interfere with fishing access;
8	(C) recognize the importance of fishery re-
9	sources to fishing communities as described in
10	section 301(a)(8) of the Magnuson-Stevens
11	Fishery Conservation and Management Act (16
12	U.S.C. 1851(a)(8));
13	(D) to the extent practicable, avoid, mini-
14	mize, or mitigate adverse impacts to the marine
15	environment;
16	(E) avoid, minimize, or mitigate to the ex-
17	tent practicable the risk to and impacts on wild
18	fish stocks and fisheries;
19	(F) use only cultured species in Federal
20	waters that are described in section $6(b)(2)$;
21	(G) prevent the transmission of disease or
22	parasites to wild stocks;
23	(H) prevent the escape of culture species
24	that may cause significant environmental harm;

1	(I) minimize the risks and impacts on bio-
2	logical, chemical, and physical features of water
3	quality; and

(J) avoid, minimize, or mitigate, to the extent practicable, the cumulative adverse effects of the offshore aquaculture operation in consideration of other existing offshore aquaculture operations in the vicinity of the proposed site.

SEC. 11. RESEARCH AND DEVELOPMENT GRANT PROGRAM.

- 10 (a) IN GENERAL.—The Secretary shall establish, in consultation with applicable Federal agencies, coastal 11 12 States, tribal governments, regional fishery management councils, academic institutions, and interested stakeholders, a research and development grant program to fur-14 15 ther the purposes of this Act. In carrying out this subsection, the Secretary shall consider utilizing existing pro-16 17 grams that leverage State and local partnerships and take 18 advantage of the extramural research community, including the Saltonstall-Kennedy Grant Program, the National 19 Sea Grant College Program, the National Oceanographic 20 21 Partnership Program, and consortium of institutions.
- 22 (b) Components.—The research and development 23 grant program shall award competitive, peer-reviewed 24 grants to fund research and extension services—

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- (1) to improve the understanding and application of larviculture for improving larval survival and breeding practices for cultured species and species of future interest for marine aquaculture;
 - (2) to advance the understanding and application of genetics research with respect to cultured species and potential interactions with wild stocks;
 - (3) to advance research into cultured species disease and management, mitigation, and prevention of disease, including efforts to support the development of comprehensive fish health management tools, including access to safe and effective vaccines, therapeutants, and therapies;
 - (4) to develop cost-effective alternative feeds to optimize the use of wild fish, fish oil, plants, and alternative sources of protein and lipids in marine aquaculture feeds and maintain the human health benefits of cultured seafood;
 - (5) to improve techniques for monitoring, assessing, and addressing environmental and socio-economic effects;
 - (6) to develop and evaluate methodologies to prevent, minimize, and mitigate potential adverse ecosystem and socioeconomic impacts of marine

- aquaculture, including methods for avoiding interactions with living marine resources;
 - (7) to conduct research to document and increase the potential positive effects of marine aquaculture;
 - (8) to transition innovative aquaculture technologies, including technologies focused on the commercialization of high-value marine species, from laboratory studies to commercial and restoration projects that create new, and support existing, jobs in coastal communities, produce healthful locally sourced seafood, revitalize working waterfronts, support traditional fishing communities, and restore depleted species and habitat;
 - (9) to advance engineering solutions for marine aquaculture, to develop new technologies, to design engineering innovations to reduce the potential for environmental impacts of marine aquaculture facilities, and to refine existing aquaculture cultivation practices;
 - (10) to monitor and assess the effects of environmental changes on marine aquaculture, and develop adaptation strategies;
 - (11) to enhance and develop seafood marketing programs for aquaculture species as part of broader

- Federal seafood marketing initiatives to promote trade in both wild-caught and farmed seafood under existing grant programs; and
- 4 (12) to investigate other priority issues identi-5 fied by the Secretary.
- 6 (c) Coordination With Other Federal Pro-7 Grams.—The Secretary shall—
- 9 opment grants within the Department of Commerce 10 and with other Federal programs that provide grant 11 funding for purposes similar to those under sub-12 section (b), such as grants administered by the Na-13 tional Sea Grant College Program and the National 14 Institute of Standards and Technology; and
 - (2) coordinate the research and development grant program established in this section with the interagency aquaculture coordinating group established under section 6 of the National Aquaculture Act of 1980 (16 U.S.C. 2805) and with the research and development conducted through the Cooperative Extension System of the Department of Agriculture.
- 22 (d) Cooperative Research Agreement.—To 23 carry out this section, the Secretary may enter into a coop-24 erative agreement with a State, institution of higher edu-25 cation, or other private institution or research center.

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1 SEC. 12. ENFORCEMENT.

2	(a) Prohibited Acts.—It is unlawful for any per
3	son—
4	(1) to violate any provision of this Act or any
5	regulation or permit issued pursuant to this Act;
6	(2) to refuse to permit any officer authorized to
7	enforce the provisions of this Act (in accordance
8	with subsection (b)) access an offshore aquaculture
9	facility subject to such person's control, or any on
10	shore facility, vessel, or other conveyance associated
11	with such facility, for purposes of conducting any
12	search or inspection in connection with the enforce
13	ment of this Act or any regulation or permit referred
14	to in paragraph (1);
15	(3) to assault, resist, oppose, impede, intimi
16	date, or interfere with any such authorized officer in
17	the conduct of any search or inspection described in
18	paragraph (2);
19	(4) to resist a lawful arrest for any act prohib
20	ited by this subsection;
21	(5) to ship, transport, offer for sale, sell, pur
22	chase, import, export, or have custody, control, or
23	possession of, any fish produced, taken, retained, or
24	possessed in violation of this Act or any regulation
25	or permit referred to in paragraph (1);

1	(6) to interfere with, delay, or prevent, by any
2	means, the apprehension or arrest of another person,
3	knowing that such other person has committed any
4	act prohibited by this subsection;
5	(7) to knowingly and willfully submit to the

- (7) to knowingly and willfully submit to the Secretary or the Governor of a State false information regarding any matter that the Secretary or Governor is considering in the course of carrying out this Act; or
- (8) without authorization, to remove, damage, or tamper with—
 - (A) an offshore aquaculture facility owned by another person, which is located in the exclusive economic zone, including any component thereof; or
 - (B) cultured species contained in such facility or component thereof.

(b) AUTHORITIES AND RESPONSIBILITIES.—

(1) IN GENERAL.—The authorities and responsibilities under subsections (a), (b), (c), and (e) of section 311 and subsection (f) of section 308 of the Magnuson-Stevens Fishery Conservation and Management Act (16 U.S.C. 1861, 1858) and paragraphs (2), (3), and (7) of section 310(b) of the Antarctic Marine Living Resources Convention Act

- of 1984 (16 U.S.C. 2439(b)) shall apply with respect to enforcement of this Act.
- 3 (2) INCLUDED FACILITIES AND CONVEY-4 ANCES.—For purposes of enforcing this Act, any 5 reference in the subsections and paragraphs listed in 6 paragraph (1)—
- 7 (A) to a "vessel" or "fishing vessel" in-8 cludes all offshore aquaculture facilities, and all 9 associated onshore facilities, vessels, and other 10 conveyances; and
- 11 (B) to "fish", "marine resource", or "ma-12 rine resources" includes cultured species.
- (3) APPLICATION OF OTHER PROVISIONS.—The
 subsections and paragraphs listed in paragraph (1)
 apply to violations of this Act and any regulations
 promulgated under this Act.
- 17 (c) CIVIL ENFORCEMENT.—Any person who commits
- 18 any act that is unlawful under subsection (a) shall be lia-
- 19 ble to the United States for a civil penalty, and may be
- 20 subject to a permit sanction, under section 308(g) of the
- 21 Magnuson-Stevens Fishery Conservation and Manage-
- 22 ment Act (16 U.S.C. 1858(g)).
- 23 (d) Forfeiture.—Any offshore aquaculture facility,
- 24 and any associated onshore facilities, vessel, or other con-
- 25 veyance (including its gear, furniture, appurtenances,

- 1 stores, and cargo) used, and any cultured species (or the
- 2 fair market value thereof) produced, taken, sold, pur-
- 3 chased, retained, imported, exported, or possessed in con-
- 4 nection with or as result of the commission of any act pro-
- 5 hibited by subsection (a) shall be subject to forfeiture
- 6 under section 310 of the Magnuson-Stevens Fishery Con-
- 7 servation and Management Act (16 U.S.C. 1860).
- 8 (e) Criminal Enforcement.—Any person who
- 9 commits any act prohibited by paragraph (2), (3), (4), (6),
- 10 or (7) of subsection (a) is guilty of an offense under sec-
- 11 tion 309 of the Magnuson-Stevens Fishery Conservation
- 12 and Management Act (16 U.S.C. 1859).
- 13 (f) SAVINGS CLAUSE.—Notwithstanding any other
- 14 provision of law, no enforcement action under this Act
- 15 may take place without a warrant, if a warrant would be
- 16 required for the enforcement of a similar provision of law
- 17 under Federal or applicable State law.
- 18 SEC. 13. AUTHORIZATION OF APPROPRIATIONS.
- 19 (a) In General.—There are authorized to be appro-
- 20 priated to the Secretary for the purpose of carrying out
- 21 this Act—
- 22 (1) \$60,000,000 for fiscal year 2018;
- 23 (2) \$65,000,000 for fiscal year 2019;
- 24 (3) \$70,000,000 for fiscal year 2020;
- 25 (4) \$75,000,000 for fiscal year 2021; and

- 1 (5) \$80,000,000 for fiscal year 2022.
- 2 (b) Sense of Congress.—It is the sense of Con-
- 3 gress that, in expending amounts appropriated under sub-
- 4 section (a), the Secretary should prioritize the pro-
- 5 grammatic environmental impact statement program

6 under section 9.

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