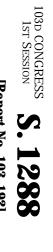
Calendar No. 315



[Report No. 103–192]

# A BILL

To provide for the coordination and implementation of a national aquaculture policy for the private sector by the Secretary of Agriculture, to establish an aquaculture commercialization research program, and for other purposes.

NOVEMBER 19 (legislative day, NOVEMBER 2), 1993 Reported with an amendment and an amendment to the title

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103D CONGRESS 1ST SESSION



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#### IN THE SENATE OF THE UNITED STATES

JULY 27 (legislative day, JUNE 30), 1993

Mr. AKAKA (for himself, Mr. LEAHY, Mr. CRAIG, Mr. GORTON, Mr. PELL, Mr. HEFLIN, Mrs. MURRAY, Mr. WOFFORD, Mr. BOND, Mr. INOUYE, Mr. JOHNSTON, Mr. GRAHAM, Mr. DASCHLE, Mr. BREAUX, Mr. CAMPBELL, Mr. PRYOR, and Mr. BUMPERS) introduced the following bill; which was read twice and referred to the Committee on Agriculture, Nutrition, and Forestry

NOVEMBER 19 (legislative day, NOVEMBER 2), 1993 Reported by Mr. LEAHY, with an amendment and an amendment to the title [Strike out all after the enacting clause and insert the part printed in italic]

# A BILL

To provide for the coordination and implementation of a national aquaculture policy for the private sector by the Secretary of Agriculture, to establish an aquaculture commercialization research program, and for other purposes.

Be it enacted by the Senate and House of Representa-1 tives of the United States of America in Congress assembled, 2 SECTION 1. SHORT TITLE; TABLE OF CONTENTS; REF-3 4 ERENCES. 5 (a) SHORT TITLE.—This Act may be cited as the "National Aquaculture Development, Commercialization, 6 7 and Promotion Act of 1993". (b) TABLE OF CONTENTS.—The table of contents of 8 this Act is as follows: 9 Sec. 1. Short title; table of contents; references. Sec. 2. Findings and purpose. Sec. 3. Definitions. Sec. 4. National aquaculture development plan. Sec. 5. National Aquaculture Information Center; assignment of new programs; market development program. Sec. 6. Coordination with the aquaculture industry. Sec. 7. Aquaculture commercialization research. Sec. 8. National policy for private aquaculture. Sec. 9. Pollution assessment. Sec. 10. Native American fishpond revitalization. Sec. 11. Disaster assistance for aquaculture farms. Sec. 12. Aquaculture education. Sec. 13. International aquaculture scientific exchange. Sec. 14. Authorization of appropriations. Sec. 15. Eligibility of aquaculture farmers for farm credit assistance. Sec. 16. International aquaculture information and data collection. Sec. 17. Eligibility of aquaculture farms for emergency conservation program. Sec. 18. Aquaculture information network report. Sec. 19. Implementation report. 10 (c) References to National Aquaculture Act OF 1980. Except as otherwise expressly provided, when-11 12 ever in this Act an amendment or repeal is expressed in 13 terms of an amendment to, or repeal of, a section or other 14 provision, the reference shall be considered to be made to 15 a section or other provision of the National Aquaculture 16 Act of 1980 (16 U.S.C. 2801 et seq.).

#### 1 SEC. 2. FINDINGS AND PURPOSE.

2 (a) FINDINGS. Subsection (a) of section 2 (16)
3 U.S.C. 2801(a)) is amended to read as follows:

4 <u>"(a) FINDINGS.</u> Congress finds the following:

5 <sup>((1)</sup> The wild harvest or capture fisheries of 6 certain seafood species exceeds levels of optimum 7 sustainable yield, thereby making it more difficult to 8 meet the increasing demand for aquatic food.

9 <sup>((2)</sup> To satisfy the domestic market for aquatic 10 food, the United States imports more than 59 per-11 cent of its seafood. This dependence on imports ad-12 versely affects the national balance of payments and 13 contributes to the uncertainty of supplies and prod-14 uct quality.

15 "(3) Although aquaculture currently contributes
approximately 16 percent by weight of world seafood
production, less than 9 percent by weight of current
United States seafood production results from aquaculture. As a result, domestic aquaculture production has the potential for significant growth.

21 "(4) Aquaculture production of aquatic animals
22 and plants can provide sources for food, industrial
23 materials, pharmaceuticals, energy, and aesthetic en24 joyment, and can assist in the control and abate25 ment of pollution.

3

1	${}$ (5) The rehabilitation and enhancement of fish
2	and shellfish resources are desirable applications of
3	aquaculture technology.
4	<del>''(6)</del> The principal responsibility for the devel-
5	opment of aquaculture in the United States must
6	rest with the private sector.
7	<del>''(7)</del> Despite its potential, the development of
8	aquaculture in the United States has been inhibited
9	by many scientific, economic, legal, and production
10	factors, such as—
11	<del>···(A)</del> inadequate credit;
12	<del>''(B)</del> limited research and development
13	<del>programs;</del>
14	<del>···(C)</del> diffused legal jurisdiction;
15	<del>''(D)</del> inconsistent interpretations between
16	Federal agencies;
17	<del>"(E)</del> the lack of management information;
18	"(F) the lack of supportive policies of the
19	Federal Government;
20	${(G)}$ the lack of therapeutic compounds for
21	treatment of the diseases of aquatic animals
22	and plants; and
23	"(H) the lack of reliable supplies of seed
24	<del>stock.</del>

"(8) Many areas of the United States are suit able for aquaculture, but are subject to land-use or
 water-use management policies and regulations that
 do not adequately consider the potential for aqua culture and may inhibit the development of aqua culture.

7 <u>''(9)</u> In 1990, the United States ranked only
8 tenth in the world in aquaculture production based
9 on total value of products.

10 <u>"(10)</u> Despite the current and increasing importance of private aquaculture to the United States
12 economy and to rural areas in the United States,
13 Federal efforts to nurture aquaculture development
14 have failed to keep pace with the needs of fish and
15 aquatic plant farmers.

16 <u>"(11)</u> The United States has a premier oppor17 tunity to develop an important new agricultural in18 dustry to serve national needs and the global mar19 ketplace.

20 <u>"(12)</u> United States aquaculture provides
21 wholesome products for domestic consumers and
22 contributes significantly to the quality of life in rural
23 areas in the United States.

24 <u>''(13)</u> Since 1980, the United States trade defi25 cit in edible fishery products foods has increased by

48 percent, from \$1,777,921,000 to \$2,634,738,000
 in 1991.

3 "(14) Aquaculture is poised to become a major 4 growth industry of the 21st century. With global 5 seafood demand projected to increase 70 percent by 6 2025, and harvests from capture fisheries stable or 7 declining, aquaculture would have to increase pro-8 duction by 700 percent, a total of 77 million metric 9 tons annually.

10 <sup>((15)</sup> Private aquaculture production in the 11 United States has increased an average of 20 per-12 cent by weight annually since 1980, and is one of 13 the fastest growing segments of United States and 14 world agriculture.

15 <u>(16)</u> In 1990, private United States aqua 16 culture production was 860,750,000 pounds, worth
 17 \$761,500,000 to United States fish farmers, up
 18 from 203,178,000 pounds, worth \$191,977,000, in
 19 1980.

20 "(17) Since 1960, per capita consumption of
21 aquatic foods in the United States has increased by
22 49 percent to 14.9 pounds in 1991, and could reach
23 20 pounds by the year 2000. Total United States
24 demand is projected to double by 2020.".

(b) PURPOSE.—Subsection (b) of section 2 (16
 U.S.C. 2801(b)) is amended to read as follows:
 "(b) PURPOSE.—It is the purpose of this Act to pro mote aquaculture in the United States by—
 "(1) declaring a national aquaculture policy;
 "(2) establishing private aquaculture as a form
 of agriculture;

8 <sup>((3)</sup> establishing cultivated aquatic animals, 9 plants, microorganisms, and their products produced 10 by private persons and moving in standard commod-11 ity channels as agricultural livestock, crops, and 12 commodities;

13 <u>"(4) establishing the Department as the lead</u>
14 Federal agency for the development, implementation,
15 promotion, and coordination of national policy and
16 programs for private aquaculture by—

17 <u>"(A) designating the Secretary as the per-</u>
 18 manent chairperson of a Federal interagency
 19 aquaculture coordinating group;

20 "(B) assigning overall responsibility to the
 21 Secretary for coordinating, developing, and car 22 rying out policies and programs for private
 23 aquaculture; and

24 <u>"(C)</u> establishing a National Aquaculture
 25 Information Center within the Department to

1	support the United States aquaculture industry;
2	and
3	<del>···(5)</del> encouraging—
4	<del>''(A)</del> aquaculture activities and programs
5	in both the public and private sectors of the
6	economy of the United States;
7	<del>"(B)</del> the creation of new industries and job
8	opportunities related to aquaculture activities;
9	"(C) the reduction of the fisheries trade
10	<del>deficit;</del> and
11	<del>''(D) other national policy benefits deriving</del>
12	from aquaculture activities.".
13	SEC. 3. DEFINITIONS.
13 14	<b>SEC. 3. DEFINITIONS.</b> Section 3 (16 U.S.C. 2802) is amended—
14 15	Section 3 (16 U.S.C. 2802) is amended—
14	Section 3 (16 U.S.C. 2802) is amended (1) in paragraph (1), by striking "the
14 15 16	Section 3 (16 U.S.C. 2802) is amended— (1) in paragraph (1), by striking "the propogation" and all that follows through the period
14 15 16 17	Section 3 (16 U.S.C. 2802) is amended— (1) in paragraph (1), by striking "the propogation" and all that follows through the period at the end and inserting "the controlled cultivation
14 15 16 17 18 19	Section 3 (16 U.S.C. 2802) is amended— (1) in paragraph (1), by striking "the propogation" and all that follows through the period at the end and inserting "the controlled cultivation of aquatic plants and animals.";
14 15 16 17 18	Section 3 (16 U.S.C. 2802) is amended— (1) in paragraph (1), by striking "the propogation" and all that follows through the period at the end and inserting "the controlled cultivation of aquatic plants and animals."; (2) in paragraph (3), by inserting before the pe-
<ol> <li>14</li> <li>15</li> <li>16</li> <li>17</li> <li>18</li> <li>19</li> <li>20</li> </ol>	Section 3 (16 U.S.C. 2802) is amended— (1) in paragraph (1), by striking "the propogation" and all that follows through the period at the end and inserting "the controlled cultivation of aquatic plants and animals."; (2) in paragraph (3), by inserting before the pe- riod at the end the following: "or microorganism";
<ol> <li>14</li> <li>15</li> <li>16</li> <li>17</li> <li>18</li> <li>19</li> <li>20</li> <li>21</li> </ol>	Section 3 (16 U.S.C. 2802) is amended— (1) in paragraph (1), by striking "the propogation" and all that follows through the period at the end and inserting "the controlled cultivation of aquatic plants and animals."; (2) in paragraph (3), by inserting before the pe- riod at the end the following: "or microorganism"; (3) by redesignating paragraphs (7) through

	u u u u u u u u u u u u u u u u u u u
1	(5) by inserting after paragraph (4) the follow-
2	ing new paragraph:
3	<del>''(5)</del> The term 'Department' means the United
4	States Department of Agriculture."; and
5	(6) by inserting before paragraph (9) (as redes-
6	ignated by paragraph (3)) the following new para-
7	<del>graph:</del>
8	<del>''(8)</del> The term 'private aquaculture' means the
9	controlled cultivation of aquatic plants and animals
10	other than cultivation carried out by, or under con-
11	tract with, the Federal Government or any State or
12	local government.".
13	SEC. 4. NATIONAL AQUACULTURE DEVELOPMENT PLAN.
14	Section 4 (16 U.S.C. 2803) is amended—
15	(1) in the second sentence of subsection (c)-
16	(A) in subparagraph (A), by adding "and"
17	at the end;
18	(B) in subparagraph (B), by striking '';
19	and" and inserting a period; and
20	(C) by striking subparagraph (C);
21	(2) in the second sentence of subsection (d), by
22	striking "Secretaries determine" and inserting "Sec-
23	retary, in consultation with the other Secretaries,
24	determines'';
25	(3) in subsection (e)—

1(A) by striking "Secretaries" and inserting2"Secretary"; and

3 (B) by inserting "and in consultation with
4 the other Secretaries and representatives of
5 other Federal agencies" after "coordinating
6 group"; and

7 (4) by adding at the end the following new sub8 section:

9 <u>"(f) Accomplishments in Aquaculture Pro-</u> GRAMS. Not later than December 31, 1994, the Sec-10 retary, in consultation with the Secretary of Commerce 11 and the Secretary of the Interior, shall submit to Congress 12 a report evaluating the actions taken in accordance with 13 14 subsection (d) with respect to the Plan, and making rec-15 ommendations for updating and modifying the Plan. The report shall also contain a compendium on Federal regula-16 tions relating to aquaculture.". 17

18 SEC. 5. NATIONAL AQUACULTURE INFORMATION CENTER;

19ASSIGNMENT OF NEW PROGRAMS; MARKET20DEVELOPMENT PROGRAM.

21 Section 5 (16 U.S.C. 2804) is amended—

(1) in subsection (b)(3), by striking "Secretaries deem" and inserting "Secretary, in consultation
with the other Secretaries, considers";

25 (2) in subsection (c)(1)(B)—

1	(A) by striking clause (i) and inserting the
2	following new clause:
3	<del>''(i)</del> establish, within the Department,
4	within the National Agricultural Library, a Na-
5	tional Aquaculture Information Center that
6	shall—
7	<u>''(I)</u> serve as a repository and clear-
8	inghouse for the information collected
9	under subparagraph (A) and other provi-
10	sions of this Act;
11	<del>''(II)</del> carry out a program to notify
12	organizations, institutions, and individuals
13	known to be involved in aquaculture of the
14	existence of the Center and the kinds of in-
15	formation that the Center can make avail-
16	able to the public; and
17	<del>''(III) make available, on request, in-</del>
18	formation described in subclause (I) (in-
19	cluding information collected under sub-
20	section (e));"; and
21	(B) in clause (ii), by striking the comma
22	and inserting a semicolon;
23	(3) in the first sentence of subsection (d), by
24	striking ''Interior,,'' and inserting ''Interior,''; and

11

(4) by adding at the end the following new sub sections:

3 "(e) Assignment of New Programs.—In consultation with representatives of the United States aquaculture 4 industry and in coordination with the Secretary of the In-5 terior, the Secretary of Commerce, and the heads of other 6 7 appropriate Federal agencies, the Secretary shall assess Federal aquatic animal health programs and make rec-8 9 ommendations as to the appropriate assignment to Federal agencies of new programs, initiatives, and activities 10 in support of aquaculture and resource stewardship and 11 management. 12

13 "(f) Use of Excess Section 32 Funds. (1)(A)(i) Subject to subparagraphs (B) and (C), the Secretary shall 14 15 expend for aquaculture export promotion, research, development, education, market development, and demonstra-16 tion projects, for each fiscal year, an amount equal to the 17 aquaculture production percentage of the funds remaining 18 available to the Department for the fiscal year under sec-19 tion 32 of the Act entitled 'An Act to amend the Agricul-20 21 tural Adjustment Act, and for other purposes', approved 22 August 14, 1935 (7 U.S.C. 612c), after the application 23 of the first 5 sentences of such section.

24 <u>''(ii)</u> As used in clause (i), the term 'aquaculture pro-25 duction percentage' means the annual weight of aquaculture products of the United States divided by the an nual weight of fisheries landings of the United States
 (other than landings that are not used for human con sumption).

5 <sup>...</sup>(B) The Secretary may expend all or part of the 6 funds required to be expended pursuant to subparagraph 7 (A)(i) for the purpose of strengthening aquaculture mar-8 kets, income, and supply.

9 "(C) In determining the purposes for which the funds
10 required to be expended pursuant to subparagraph (A)(i)
11 are to be expended, the Secretary shall give high priority
12 to carrying out subsection (e)(2).

13 "(2) For the purpose of carrying out this Act, for 14 each fiscal year, the Secretary may expend the funds re-15 maining available to the Department for the fiscal year 16 under section 32 of the Act entitled 'An Act to amend 17 the Agricultural Adjustment Act, and for other purposes', 18 approved August 14, 1935 (7 U.S.C. 612c), after the ap-19 plication of paragraph (1).

20 "(3) For each fiscal year, if funds remain available
21 to the Department for the fiscal year under section 32
22 of such Act after the exercise (if any) of authority under
23 paragraph (2), the Secretary shall provide to the National
24 Aquaculture Information Center established under sub-

section (c)(1)(B)(i) for activities of the Center during the 1 fiscal year the lesser of— 2 3 "(A) the amount of the remaining funds; or <u>''(B)(i) \$1,000,000; minus</u> 4 5 <del>''(ii)</del> the lesser of— "(I) any funds provided to the Center 6 7 under paragraph (2); or 8 <u>"(II) \$1,000,000."</u> 9 SEC. 6. COORDINATION WITH THE AQUACULTURE INDUS-10 TRY. Section 6(b) (16 U.S.C. 2805(b)) is amended— 11 (1) in paragraph (5), by striking "and" at the 12 13 end: (2) in paragraph (6), by striking the period at 14 the end and inserting "; and"; and 15 16 (3) by adding at the end the following new 17 paragraph: 18 "(7) in order to facilitate improved communica-19 tion and interaction among aquaculture producers, 20 the aquaculture community, the Federal Government, and the coordinating group, establish a work-21 22 ing relationship with— ''(A) the industry advisory councils of the 23 24 regional aquaculture centers established by the Secretary under section 1475(d) of the National 25

1	Agricultural Research, Extension, and Teaching
2	Policy Act of 1977 (7 U.S.C. 3322(d)); and
3	<del>''(B)</del> national organizations, commodity as-
4	sociations, and professional societies represent-
5	ing aquaculture interests.".
6	SEC. 7. AQUACULTURE COMMERCIALIZATION RESEARCH.
7	The Act (16 U.S.C. 2801 et seq.) is amended—
8	(1) by redesignating sections 7 through 11 as
9	sections 14 through 18, respectively; and
10	(2) by inserting after section 6 the following
11	new section:
12	<b>"SEC. 7. AQUACULTURE COMMERCIALIZATION RESEARCH.</b>
12 13	<b>"SEC. 7. AQUACULTURE COMMERCIALIZATION RESEARCH.</b> <u>''(a)</u> DEFINITIONS. As used in this section:
13	"(a) DEFINITIONS. As used in this section:
13 14	<del>"(a)</del> DEFINITIONS.—As used in this section: "(1) ELIGIBLE ENTITY.—The term 'eligible en-
13 14 15	"(a) DEFINITIONS. As used in this section: "(1) ELIGIBLE ENTITY. The term 'eligible en- tity' means a public or private research or edu-
<ol> <li>13</li> <li>14</li> <li>15</li> <li>16</li> </ol>	"(a) DEFINITIONS. As used in this section: "(1) ELIGIBLE ENTITY. The term 'eligible en- tity' means a public or private research or edu- cational organization, private company, regional cen-
<ol> <li>13</li> <li>14</li> <li>15</li> <li>16</li> <li>17</li> </ol>	"(a) DEFINITIONS. As used in this section: "(1) ELIGIBLE ENTITY. The term 'eligible en- tity' means a public or private research or edu- cational organization, private company, regional cen- ter, Federal, State, or regional agency, or individual
<ol> <li>13</li> <li>14</li> <li>15</li> <li>16</li> <li>17</li> <li>18</li> </ol>	"(a) DEFINITIONS. As used in this section: "(1) ELIGIBLE ENTITY. The term 'eligible en- tity' means a public or private research or edu- cational organization, private company, regional cen- ter, Federal, State, or regional agency, or individual that is eligible to receive a grant or enter into a con-
<ol> <li>13</li> <li>14</li> <li>15</li> <li>16</li> <li>17</li> <li>18</li> <li>19</li> </ol>	"(a) DEFINITIONS.—As used in this section: "(1) ELIGIBLE ENTITY.—The term 'eligible en- tity' means a public or private research or edu- cational organization, private company, regional cen- ter, Federal, State, or regional agency, or individual that is eligible to receive a grant or enter into a con- tract under this section.

tion center established under section 1475(d) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3322(d)). 

1	"(b) Assistance and Coordination.—
2	<u>"(1) In General.—The Secretary—</u>
3	<del>''(A)</del> may pay the Federal share of the cost
4	of making grants and awarding contracts to eli-
5	gible entities to support aquaculture research
6	that—
7	<del>''(i)</del> demonstrates strong potential for
8	aquaculture becoming commercially viable;
9	<del>0r</del>
10	<del>''(ii)</del> will assist the United States
11	aquaculture industry in developing aqua-
12	culture products or processes that will be
13	competitive with aquaculture products or
14	processes of other countries; and
15	<del>"(B)</del> shall, acting through the executive
16	committee of the interagency aquaculture co-
17	ordinating group established pursuant to sec-
18	tion 6, coordinate the implementation of a re-
19	search program based on the findings contained
20	in the report entitled 'Report of the Joint Com-
21	mittee on Aquaculture Task Force on Thera-
22	peutic Compounds', published in August 1988.
23	<del>''(2) Cost share.</del>

1 "(A) FEDERAL SHARE. Except as pro-2 vided in subparagraph (B), the Federal share of the cost of a project carried out under-3 4 <del>(i) paragraph (1)(A), shall be 80</del> 5 percent; and "(ii) paragraph (1)(B), shall be 100 6 7 percent. "(B) REMAINING SHARE. The remaining 8 share of the cost of a project carried out under 9 paragraph (1)(A) may be— 10 "(i) in the form of cash or in-kind 11 payments, or both; and 12 "(ii) partially comprised of funds 13 made available under other Federal pro-14 15 grams, except that the non-Federal share 16 of the project may not be less than 10 per 17 cent of the cost of the project. 18 "(c) PRIORITIES.—In making grants or awarding contracts under subsection (b), the Secretary shall give 19

21 <u>"(1) highly focused applied research;</u>

22 <u>''(2)</u> investigations of new products or processes
23 that demonstrate a high potential for aquaculture
24 commercialization;

priority to-

20

1	<del>"(3)</del> market development programs for new or
2	improved aquaculture products or processes;
3	<del>''(4)</del> field testing, commercial field trials, and
4	applications of aquaculture research to private aqua-
5	culture that would promote the transfer of promising
6	aquaculture technologies to the marketplace;
7	${}$ (5) activities that have strong potential to cre-
8	ate employment opportunities; and
9	<del>"(6)</del> other activities that accelerate the com-
10	mercialization of promising aquaculture technologies.
11	<u>"(d) Competitive Review.</u>
12	"(1) IN GENERAL. To be eligible to receive a
13	grant or enter into a contract under subsection (b),
14	a proposal shall undergo competitive review.
15	<del>"(2)</del> Competitive review panels. A com-
16	petitive review panel shall be composed of individuals
17	appointed by the Secretary, at least 50 percent of
18	whom work in private aquaculture or are private sec-
19	tor representatives who understand sound business
20	practices and are qualified to objectively evaluate the
21	likelihood of a proposal being economically successful
22	or promoting economic success within the aqua-
23	culture industry. Each competitive review panel shall
24	contain at least 1 representative from a regional
25	aquaculture center.

1	<del>"(3)</del> Evaluation.—A competitive review panel
2	shall base an evaluation of a proposal under this
3	subsection on—
4	<del>''(A)</del> the quality of the proposal and the
5	research methodology;
6	"(B) the capability of the participating or-
7	ganization to perform the proposed work;
8	"(C) the potential for fostering commer-
9	cialization, job creation, and increased sales of
10	aquaculture products;
11	"(D) the amount of matching funds pro-
12	vided by the supported entity or obtained from
13	non-Federal sources;
14	<del>"(E)</del> the extent of collaboration with other
15	Federal and State programs;
16	${(F)}$ the existence of a business plan that
17	reasonably projects the benefits of the support
18	being requested;
19	<del>''(C)</del> in the case of a noncommercial en-
20	tity, the existence of a cooperative agreement
21	with a commercial entity;
22	<del>''(H)</del> whether the project would promote
23	responsible environmental stewardship; and
24	<del>''(I)</del> such other factors as the competitive
25	review panel determines to be appropriate.

1 <u>"(e) LIMITATIONS.</u>

2 "(1) REGIONAL AQUACULTURE CENTERS.—Not 3 less than 60 percent of the amounts made available 4 to carry out this section during a fiscal year shall be 5 used to carry out projects that will facilitate the 6 commercialization of preliminary research or inves-7 tigations that have been funded or coordinated by 8 regional aquaculture centers.

9 <sup>((2)</sup> ADMINISTRATIVE EXPENSES. Not more 10 than 3 percent of the amounts made available to 11 carry out this section during a fiscal year may be 12 used by the Secretary for the expenses of adminis-13 tration and information collection and dissemination. 14 <sup>((3)</sup> CONSTRUCTION COSTS. None of the

15 funds made available under this section may be used 16 for the construction of a new building or the acquisi-17 tion, expansion, remodeling, or alteration of an exist-18 ing building (including site grading and improve-19 ment and architect fees).

20 "(f) REPORTS.—An eligible entity that receives a
21 grant or enters into a contract under a project carried out
22 under this section shall submit an annual progress report,
23 and a final report, to the Secretary that—

24 <u>"(1) describes project activities and commercial</u>
25 and economic accomplishments and impacts; and

"(2) in the case of an annual progress report,
 includes a project plan for the subsequent year.

3 <u>''(g)</u> AUTHORIZATION OF APPROPRIATIONS.—There 4 are authorized to be appropriated such sums as are nec-5 essary to carry out this section.".

6 SEC. 8. NATIONAL POLICY FOR PRIVATE AQUACULTURE.

7 The Act (16 U.S.C. 2801 et seq.) is amended by in8 serting after section 7 (as added by section 7(2)) the fol9 lowing new section:

# 10 "SEC. 8. IMPLEMENTATION OF NATIONAL POLICY FOR PRI 11 VATE AQUACULTURE.

12 "(a) IN GENERAL. The Secretary, in consultation 13 with the Secretary of Commerce, the Secretary of the Inte-14 rior, and the heads of other agencies, as appropriate, shall 15 coordinate and implement a national policy for private 16 aquaculture in accordance with this section.

17 <u>"(b) DEPARTMENT AQUACULTURE PLAN.</u>

18 "(1) IN GENERAL. The Secretary shall develop
19 and implement a Department Aquaculture Plan (re20 ferred to in this section as the 'plan') for a unified
21 Department aquaculture program, coordinated by
22 the Director of the Office of Aquaculture of the De23 partment, to support the development of private
24 United States aquaculture.

3 <u>''(A) individual agency programs related to</u>
4 aquaculture in the Department that are consist5 ent with Department programs applied to other
6 agricultural programs, livestock, crops, prod7 ucts, and commodities under the jurisdiction of
8 Department agencies;

9 <u>''(B) the treatment of cultivated aquatic</u>
10 animals as livestock and cultivated aquatic
11 plants as agricultural crops; and

12 "(C) means for effective coordination and 13 implementation of aquaculture activities and 14 programs within the Department, including in-15 dividual agency commitments of personnel and 16 resources.

17 <u>"(3) DEADLINE. Not later than 1 year after</u>
18 the date of enactment of the National Aquaculture
19 Development, Commercialization, and Promotion Act
20 of 1993, the Secretary shall submit the plan to Con21 gress.

22 "(4) REPORTS. Not later than 1 year after the
23 date of the submission of the plan pursuant to para24 graph (3), and annually thereafter, the Secretary
25 shall report to Congress on actions taken to imple-

1

2

1	ment the plan during the year preceding the date of
2	the report.
3	<b></b>
4	<del>CENTER.</del>
5	"(A) IN GENERAL. In carrying out sec-
6	tion 5, the Secretary shall maintain and sup-
7	port the National Aquaculture Information
8	Center (referred to in this paragraph as the
9	'Center') as a repository for information on na-
10	tional and international aquaculture.
11	"(B) PUBLIC ACCESS. Information in the
12	Center shall be made available to the public.
13	<del>"(C)</del> International exchange. The
14	head of the Center shall arrange with foreign
15	nations for the exchange of information relating
16	to aquaculture and shall support a translation
17	<del>service.</del>
18	"(D) SUPPORT.—The Center shall provide
19	direct support to the coordinating group.
20	<del>''(c)</del> National Aquaculture Development
21	Plan.
22	<u>"(1)</u> IN GENERAL.—Not later than 1 year after
23	the date of enactment of the National Aquaculture
24	Development, Commercialization, and Promotion Act
25	of <del>1993, the Secretary shall revise the National</del>

Aquaculture Development Plan required to be estab lished under section 4.

3 "(2) COORDINATION. The Secretary shall inte4 grate and coordinate the aquaculture and related
5 missions, major objectives, and program components
6 of individual aquaculture plans of the coordinating
7 group members.

8 <sup>(\*)</sup>(3) SUBMISSION TO CONGRESS. Not later 9 than 1 year after the date of enactment of the Na-10 tional Aquaculture Development, Commercialization, 11 and Promotion Act of 1993, the Secretary shall sub-12 mit a revised Plan to Congress.

13 <u>"(4) UPDATES. Not later than 5 years after</u>
14 the date of the submission of the revised Plan pursu15 ant to paragraph (3), and annually thereafter, the
16 Secretary shall revise the National Aquaculture De17 velopment Plan.

18 <u>"(d)</u> TREATMENT OF AQUACULTURE. The Sec19 retary shall, for all purposes, treat \_\_\_\_\_

20 <u>"(1) private aquaculture as a form of agri-</u>
21 culture; and

22 <u>"(2)</u> aquaculture products produced by private
 23 persons and moving in standard commodity channels
 24 as agricultural commodities.

"(e) RESOLUTION OF INTERAGENCY CONFLICT.—In
 consultation with representatives of affected Federal agen cies, the Secretary shall be responsible for resolving any
 interagency conflict in the coordination or implementation
 of the policy described in this section.

6 <u>"(f)</u> Private Aquaculture Policy Coordina7 TION, DEVELOPMENT, AND IMPLEMENTATION.—

8 <u>''(1) RESPONSIBILITY.</u> The Secretary shall 9 have overall responsibility for coordinating, develop-10 ing, and carrying out policies and programs for pri-11 vate aquaculture.

12 <u>"(2)</u> DUTIES.—The Director of the Office of
13 Aquaculture of the Department shall—

14 <u>"(A)</u> represent the Secretary in all inter 15 departmental functions and activities relating to
 16 private aquaculture;

17 <u>"(B) coordinate all intradepartmental</u>
 18 functions and activities relating to private aqua 19 culture;

20 <u>"(C) establish formal structures and proce</u>
21 dures for the coordination of functions, and
22 consultation, with the coordinating group;

23 <u>"(D) recommend to the National Agricul-</u>
24 tural Library methods by which the aquaculture
25 resources of the Library can be made more eas-

ily retrievable and can be more widely dissemi-1 2 nated; and "(E) report directly to the Secretary in 3 4 carrying out the duties of the Director. 5 <del>"(3) LIAISON WITH THE OFFICE.</del> 6 "(A) Agencies of the department. 7 To facilitate communication and interaction be-8 tween the aquaculture community and the De-9 partment, the head of each agency of the De-10 partment shall designate an officer or employee 11 of the agency to be the liaison of the agency 12 with the Office of Aquaculture of the Depart-13 ment. 14 "(B) DEPARTMENTS OF COMMERCE AND

15INTERIOR. The Secretary of Commerce and16the Secretary of the Interior shall each des-17ignate an officer or employee of their respective18Departments to be the liaison of their respec-19tive Departments with the Office of Aqua-20culture of the Department.".

#### 21 SEC. 9. POLLUTION ASSESSMENT.

The Act (16 U.S.C. 2801 et seq.) is amended by inserting after section 8 (as added by section 8) the following new section: 1 "SEC. 9. POLLUTION ASSESSMENT.

2 "(a) ASSESSMENT.—The Administrator of the Environmental Protection Agency is authorized to carry out, 3 in consultation with the Secretary, collaborative inter-4 5 agency programs that demonstrate the application of aquaculture to environmental enhancement and assess-6 7 ment, including a program to assess the impact of pollu-8 tion on aquatic organisms and ecosystems using aquaculture-raised fish to serve as an indicator of environ-9 mental pollution. 10

11 "(b) GRANTS; COOPERATIVE AGREEMENTS. The 12 Administrator may provide grants or enter into coopera-13 tive agreements or contracts with private research organi-14 zations for research and demonstration of the technology 15 authorized by this section.".

#### 16 SEC. 10. NATIVE AMERICAN FISHPOND REVITALIZATION.

17 The Act (16 U.S.C. 2801 et seq.) is amended by in18 serting after section 9 (as added by section 9) the follow19 ing new section:

#### 20 "SEC. 10. NATIVE AMERICAN FISHPOND REVITALIZATION.

21 <u>''(a) DEFINITION OF NATIVE AMERICAN. As used</u>
22 in this section, the term 'Native American' means—

23 <u>"(1) an Indian, as defined in section 4(d) of the</u>
 24 Indian Self-Determination and Education Assistance
 25 Act (25 U.S.C. 450b(d));

1	<del>''(2)</del> a Native Hawaiian, as defined in section
2	8(3) of the Native Hawaiian Health Care Act of
3	1988 (42 U.S.C. 11707(3)) or section 815(3) of the
4	Native American Programs Act (42 U.S.C.
5	<del>2992c(3));</del>
6	<del>''(3)</del> an Alaska Native, within the meaning pro-
7	vided for the term 'Native' in section 3(b) of the
8	Alaska Native Claims Settlement Act (43 U.S.C.
9	<del>1602(b));</del> and
10	<del>''(4)</del> a Pacific Islander, within the meaning of
11	the Native American Programs Act of 1974 (42
12	<del>U.S.C.</del> 2991 et seq.)
13	"(b) Authorization of Program.—The Secretary
14	of Agriculture is authorized to carry out a program to revi-
15	talize fishponds used by Native Americans to cultivate
16	aquatic species.
17	<del>''(c)</del> Grants; Cooperative Agreements. The
18	Secretary may provide grants or enter into cooperative
19	agreements with individuals and organizations, including
20	Native American organizations, to promote fishpond revi-
21	talization. Funds provided under this section may be used
22	to engage in fishpond research, pond culture technology
23	development, the application of traditional pond culture
24	techniques and modern aquaculture practices to ancient
25	fishponds, technical assistance and technology transfer,

and such other activities as the Secretary determines are
 appropriate.".

### 3 SEC. 11. DISASTER ASSISTANCE FOR AQUACULTURE 4 FARMS.

5 (a) IN GENERAL. The Act (16 U.S.C. 2801 et seq.)
6 is amended by inserting after section 10 (as added by sec7 tion 10) the following new section:

## 8 "SEC. 11. DISASTER ASSISTANCE FOR AQUACULTURE 9 FARMS.

10 <u>"(a) DEFINITIONS.</u> As used in this section:

11 ''(1) DAMAGING WEATHER. The term 'damag12 ing weather' includes drought, hail, excessive mois13 ture, flooding, freeze, tornado, hurricane, earth14 quake, or excessive wind, or any combination there15 of.

16 <u>''(2)</u> ELIGIBLE AQUACULTURE FARMER. The
17 term 'eligible aquaculture farmer' means a person
18 who produces aquaculture crops for commercial pur19 poses and devotes 100 acres or less to aquaculture
20 cultivation.

21 <u>''(3) RELATED CONDITION.</u> The term 'related
22 condition' includes insect infestations, plant diseases,
23 or other deterioration of a crop of an aquatic spe24 cies, including aflatoxin, that is accelerated or exac-

erbated naturally as a result of damaging weather
 occurring prior to or during harvest.

3 <u>"(b)</u> <u>ELIGIBILITY.</u>

4 <sup>((1)</sup> Loss. Subject to the limitation in para-5 graph (2), the Secretary shall provide assistance, as 6 specified in subsection (c), to eligible aquaculture 7 farmers who suffered losses (including losses due to 8 mortality, crop destruction, or unmarketability) of 9 an aquatic crop as a result of damaging weather or 10 related condition.

11 <u>''(2)</u> LIMITATION. An eligible aquaculture 12 farmer shall qualify for assistance under paragraph 13 (1) only if the loss, as a result of damaging weather 14 or related condition, exceeds 35 percent of the aqua-15 culture yield, as determined under subsection (d), 16 for the aquaculture crop.

17 <del>''(c)</del> Assistance.

18 <u>"(1)</u> PAYMENT RATE. The Secretary shall
19 make payments to eligible aquaculture farmers at a
20 rate equal to 65 percent of the applicable payment
21 level under paragraph (2), as determined by the Sec22 retary, for any losses.

23 <u>"(2) PAYMENT LEVEL. For the purposes of</u>
24 paragraph (l), the payment level for an aquaculture
25 crop shall equal the simple average price received by

producers of the commodity as determined by the
 Secretary.

3 <u>"(3)</u> CROP-BY-CROP BASIS. The Secretary
4 shall make disaster payments under this section on
5 a crop-by-crop basis for each type of aquatic species
6 produced.

7 <u>"(d) YIELDS.</u>

8 <sup>((1)</sup> PROVEN YIELDS AVAILABLE. If an eligi-9 ble aquaculture farmer can provide satisfactory evi-10 dence to the Secretary of actual aquaculture crop 11 yields on the farm for at least 1 of the immediately 12 preceding 3 years, the aquaculture yield for the farm 13 shall be based on proven yield.

14 "(2) PROVEN YIELDS NOT AVAILABLE. If the 15 data referred to in paragraph (1) do not exist for 16 any of the 3 preceding years, the Secretary shall es-17 tablish a yield for the farm by using the historical 18 average yield of all producers of the aquaculture 19 erop.

20 <u>''(3)</u> BEST AVAILABLE DATA. In establishing
21 historic average yields where proven yields are not
22 available, the Secretary shall use the best available
23 information concerning yields. The information may
24 include Extension Service records, credible non-

governmental studies, and yields at similar aqua culture farms.

3 <u>"(e) REGULATIONS.</u> The Secretary shall issue regu4 lations—

5 ''(1) defining the term 'person' for the purposes 6 of this section, which shall conform, to the extent 7 practicable, to the regulations issued under section 8 1001 of the Food Security Act of 1985 (7 U.S.C. 9 1308) and chapter 3 of subtitle B of title XXII of 10 the Food, Agriculture, Conservation, and Trade Act 11 of 1990 (7 U.S.C. 1421 note); and

12 <u>"(2) prescribing such rules as the Secretary de-</u>
13 termines necessary to ensure a fair and reasonable
14 application of this section.".

15 (b) REPORT ON CROP INSURANCE PROGRAM FOR 16 AQUACULTURE FARMING.—Not later than 1 year after 17 the date of enactment of this Act, the Secretary of Agri-18 culture shall report to the appropriate committees of Con-19 gress on the feasibility of establishing a crop insurance 20 program for aquaculture farming.

#### 21 SEC. 12. AQUACULTURE EDUCATION.

The Act (16 U.S.C. 2801 et seq.) is amended by inserting after section 11 (as added by section 11) the following new section: 33

#### 1 "SEC. 12. AQUACULTURE EDUCATION.

2 <u>"(a) DEFINITIONS.</u> As used in this section:

3 ''(1) POSTSECONDARY VOCATIONAL INSTITU4 TION. The term 'postsecondary vocational institu5 tion' has the same meaning given the term by sec6 tion 481(c) of the Higher Education Act of 1965
7 (20 U.S.C. 1088(c)), except that the term only in8 cludes an institution that awards an associates de9 gree but does not award a bachelor's degree.

10 <u>''(2) SECONDARY SCHOOL.</u> The term 'second11 ary school' has the same meaning given the term by
12 section 1471(21) of the Elementary and Secondary
13 Education Act of 1965 (20 U.S.C. 2891(21)).

14 "(b) AUTHORIZATION OF PROGRAM. The Secretary 15 is authorized to establish a program to expand and im-16 prove instruction, on aquaculture and the basic principles 17 of aquaculture farming, in the agriculture curriculum for 18 students attending secondary schools and postsecondary 19 vocational institutions.

20 <u>"(c)</u> GRANTS AND CURRICULUM. In carrying out
21 subsection (b), the Secretary may—

22 <u>"(1) make grants to</u>

23 "(A) establish and maintain aquaculture
 24 learning centers in secondary schools and post 25 secondary vocational institutions;

	34
1	<del>''(B)</del> promote aquaculture technology
2	transfer; and
3	<del>"(C)</del> educate consumers and the public
4	concerning the benefits of aquaculture; and
5	<del>''(2)</del> develop curriculum and supporting mate-
6	rials on aquaculture farming, field test the content
7	of the curriculum, and supply training to educators
8	at secondary schools and postsecondary vocational
9	institutions on the aquaculture curriculum and ma-
10	terials developed.
11	
10	under subsection $(a)(1)$ the Secretary shall give priority
12	under subsection $(c)(1)$ , the Secretary shall give priority
12 13	
13	to—
13 14	to— <u>''(1) the ability of the proposed aquaculture</u>
13 14 15	to— "(1) the ability of the proposed aquaculture learning center to gain access to—
13 14 15 16	to— "(1) the ability of the proposed aquaculture learning center to gain access to— "(A) a commercial aquaculture farm;
<ol> <li>13</li> <li>14</li> <li>15</li> <li>16</li> <li>17</li> </ol>	to— "(1) the ability of the proposed aquaculture learning center to gain access to— "(A) a commercial aquaculture farm; "(B) a regional aquaculture center estab-
<ol> <li>13</li> <li>14</li> <li>15</li> <li>16</li> <li>17</li> <li>18</li> </ol>	to— "(1) the ability of the proposed aquaculture learning center to gain access to— "(A) a commercial aquaculture farm; "(B) a regional aquaculture center estab- lished by the Secretary under section 1475(d)
<ol> <li>13</li> <li>14</li> <li>15</li> <li>16</li> <li>17</li> <li>18</li> <li>19</li> </ol>	to— "(1) the ability of the proposed aquaculture learning center to gain access to— "(A) a commercial aquaculture farm; "(B) a regional aquaculture center estab- lished by the Secretary under section 1475(d) of the National Agricultural Research, Exten-
<ol> <li>13</li> <li>14</li> <li>15</li> <li>16</li> <li>17</li> <li>18</li> <li>19</li> <li>20</li> </ol>	to— "(1) the ability of the proposed aquaculture learning center to gain access to— "(A) a commercial aquaculture farm; "(B) a regional aquaculture center estab- lished by the Secretary under section 1475(d) of the National Agricultural Research, Exten- sion, and Teaching Policy Act of 1977 (7
<ol> <li>13</li> <li>14</li> <li>15</li> <li>16</li> <li>17</li> <li>18</li> <li>19</li> <li>20</li> <li>21</li> </ol>	to— "(1) the ability of the proposed aquaculture learning center to gain access to— "(A) a commercial aquaculture farm; "(B) a regional aquaculture center estab- lished by the Secretary under section 1475(d) of the National Agricultural Research, Exten- sion, and Teaching Policy Act of 1977 (7 U.S.C. 3322(d));

1	culture research and development or commer-
2	<del>cialization;</del>
3	${}$ (2) the ability of the center to achieve out-
4	reach to minority audiences or students in inner-city
5	<del>schools;</del>
6	<del>''(3)</del> the ability of the center to foster aware-
7	ness of aquaculture among consumers and the gen-
8	eral public;
9	${}$ (4) the ability of the center to serve as an
10	aquaculture education facility for visiting students
11	participating in a field trip or a similar educational
12	experience for inservice training; and
13	${}$ (5) the level of assistance to be provided from
14	non-Federal sources.
15	<del>"(e)</del> <del>Limitation.</del>
16	"(1) IN GENERAL. Except as provided in para-
17	graph (2), a grantee may not receive a grant under
18	this section for more than 5 fiscal years.
19	<u>"(2)</u> WAIVER.—In the case of grantees that re-
20	ceive grants under this section for fiscal year 1995,
21	the Secretary may waive the application of para-
22	graph (1) to the grantees for the fiscal year if the
23	Secretary determines that the application of para-
24	graph (1) to the grantees would result in the termi-
25	nation of an excessive number of grants.".

3 The Act (16 U.S.C. 2801 et seq.) is amended by in-4 serting after section 12 (as added by section 12) the fol-5 lowing new section:

6 "SEC. 13. INTERNATIONAL AQUACULTURE SCIENTIFIC EX-

CHANGE.

7

8 ''(a) DEFINITION OF ELIGIBLE ENTITY.—As used in 9 this section, the term 'eligible entity' means a regional 10 aquaculture center, college, university, or nonprofit orga-11 nization engaged in aquaculture research and education 12 in the United States or a foreign country.

"(b) GRANTS.—The Secretary may make grants to 13 eligible entities to defray the cost, in whole or in part, of 14 allowing aquaculture researchers and aquaculture tech-15 nologists to engage in research, education, and demonstra-16 tion at the eligible entities for periods of up to 2 years. 17 18 "(c) FUNDING.—The Secretary may use proceeds 19 from the payments referred to in section 104(a) of the Agricultural Trade Development and Assistance Act of 20 <del>1954 (7 U.S.C. 1704(a))</del> to carry out this section.". 21

#### 22 SEC. 14. AUTHORIZATION OF APPROPRIATIONS.

The first sentence of section 17 (as redesignated by section 7(1)) is amended to read as follows: "There are authorized to be appropriated to carry out this Act to the Department \$3,000,000 for each of fiscal years 1994 1 through 2000 (of which not less than \$500,000 shall be
2 used for each fiscal year to carry out the Joint Sub3 committee on Aquaculture established under section 6(a)),
4 to the Department of Commerce \$1,000,000 for each of
5 fiscal years 1994 through 2000, and to the Department
6 of the Interior \$1,000,000 for each of fiscal years 1994
7 through 2000.".

## 8 SEC. 15. ELIGIBILITY OF AQUACULTURE FARMERS FOR 9 FARM CREDIT ASSISTANCE.

Section 343 of the Consolidated Farm and Rural Development Act (7 U.S.C. 1991) is amended by striking "fish farming" both places it appears in paragraphs (1) and (2) and inserting "aquaculture (as the term is defined in section 3(1) of the National Aquaculture Act of 1980 (16 U.S.C. 2802(1)))".

## 16SEC. 16. INTERNATIONAL AQUACULTURE INFORMATION17AND DATA COLLECTION.

18 Section 502 of the Agricultural Trade Act of 1978
19 (7 U.S.C. 5692) is amended by adding at the end the fol20 lowing new subsection:

21 <u>"(d)</u> INTERNATIONAL AQUACULTURE INFORMATION
22 AND DATA COLLECTION.—

23 <u>"(1)</u> IN GENERAL. The Administrator of the
24 Foreign Agricultural Service shall establish and
25 carry out a program of data collection, analysis, and

1	dissemination of information to provide continuing
2	and timely economic information concerning inter-
3	national aquaculture production.
4	
5	graph (1), the Administrator shall consult with the
6	Joint Subcommittee on Aquaculture established
7	under section 6(a) of the National Aquaculture Act
8	of 1980 (16 U.S.C. 2805(a)), and representatives of
9	the United States aquaculture industry, concerning
10	means of effectively providing data described in
11	paragraph (1) to the Joint Subcommittee and the
12	industry.".
13	SEC. 17. ELIGIBILITY OF AQUACULTURE FARMS FOR EMER-
13 14	SEC. 17. ELIGIBILITY OF AQUACULTURE FARMS FOR EMER- GENCY CONSERVATION PROGRAM.
14	GENCY CONSERVATION PROGRAM.
14 15	<b>GENCY CONSERVATION PROGRAM.</b> Section 401 of the Agricultural Credit Act of 1978
14 15 16	GENCY CONSERVATION PROGRAM. Section 401 of the Agricultural Credit Act of 1978 (16 U.S.C. 2201) is amended—
14 15 16 17	GENCY CONSERVATION PROGRAM. Section 401 of the Agricultural Credit Act of 1978 (16 U.S.C. 2201) is amended— (1) by inserting "or aquaculture farms" after
14 15 16 17 18	GENCY CONSERVATION PROGRAM. Section 401 of the Agricultural Credit Act of 1978 (16 U.S.C. 2201) is amended— (1) by inserting "or aquaculture farms" after "farmlands" both places it appears; and
14 15 16 17 18 19	GENCY CONSERVATION PROGRAM. Section 401 of the Agricultural Credit Act of 1978 (16 U.S.C. 2201) is amended— (1) by inserting "or aquaculture farms" after "farmlands" both places it appears; and (2) by inserting "or aquaculture farm" after
<ol> <li>14</li> <li>15</li> <li>16</li> <li>17</li> <li>18</li> <li>19</li> <li>20</li> </ol>	GENCY CONSERVATION PROGRAM. Section 401 of the Agricultural Credit Act of 1978 (16 U.S.C. 2201) is amended— (1) by inserting "or aquaculture farms" after "farmlands" both places it appears; and (2) by inserting "or aquaculture farm" after "land" each place it appears.
<ol> <li>14</li> <li>15</li> <li>16</li> <li>17</li> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> </ol>	GENCY CONSERVATION PROGRAM. Section 401 of the Agricultural Credit Act of 1978 (16 U.S.C. 2201) is amended— (1) by inserting "or aquaculture farms" after "farmlands" both places it appears; and (2) by inserting "or aquaculture farm" after "land" each place it appears. SEC. 18. AQUACULTURE INFORMATION NETWORK REPORT.
<ol> <li>14</li> <li>15</li> <li>16</li> <li>17</li> <li>18</li> <li>19</li> <li>20</li> <li>21</li> <li>22</li> <li>23</li> </ol>	GENCY CONSERVATION PROGRAM. Section 401 of the Agricultural Credit Act of 1978 (16 U.S.C. 2201) is amended— (1) by inserting "or aquaculture farms" after "farmlands" both places it appears; and (2) by inserting "or aquaculture farm" after "land" each place it appears. SEC. 18. AQUACULTURE INFORMATION NETWORK REPORT. Not later than 180 days after the date of enactment

established by the Secretary under section 1475(d) of the
 National Agricultural Research, Extension, and Teaching
 Policy Act of 1977 (7 U.S.C. 3322(d)), universities, re search institutions, and the National Agricultural Library
 to permit an on-line link between those entities for the
 sharing of data, publication, and technical assistance in formation involving aquaculture.

#### 8 SEC. 19. IMPLEMENTATION REPORT.

9 (a) IN GENERAL. Not later than 180 days after the 10 date of enactment of this Act, the Secretary of Agriculture 11 shall report to Congress on the progress made in carrying 12 out this Act and the amendments made by this Act.

13 (b) CONTENTS. The report required by subsection
14 (a) shall include—

(1) a description of all programs and activities
of the Department of Agriculture and all other agencies and Departments in support of private aquaculture;

19 (2) the specific authorities for the activities de20 scribed in paragraph (1); and

(3) recommendations for such actions as the
 Secretary of Agriculture determines are necessary to
 improve recognition and support of private aqua culture in each agency of the Department of Agri culture.

SECTION 1. SHORT TITLE; TABLE OF CONTENTS; REF-

2 ERENCES.

- 3 (a) SHORT TITLE.—This Act may be cited as the "Na-
- 4 tional Aquaculture Development, Research, and Promotion
- 5 Act of 1993".

1

- 6 *(b)* TABLE OF CONTENTS.—The table of contents of this
- 7 Act is as follows:
  - Sec. 1. Short title; table of contents; references.
  - Sec. 2. Findings and purpose.
  - Sec. 3. Definitions.
  - Sec. 4. National aquaculture development plan.
  - Sec. 5. National Aquaculture Information Center; assignment of new programs.
  - Sec. 6. Coordination with the aquaculture industry.
  - Sec. 7. National policy for private aquaculture.
  - Sec. 8. Water quality assessment.
  - Sec. 9. Native American fishpond revitalization.
  - Sec. 10. Disaster assistance for aquaculture farms.
  - Sec. 11. Aquaculture education.
  - Sec. 12. Authorization of appropriations.
  - Sec. 13. Eligibility of aquaculture farmers for farm credit assistance.
  - Sec. 14. International aquaculture information and data collection.
  - Sec. 15. Aquaculture information network report.
  - Sec. 16. Voluntary certification of quality standards.
  - Sec. 17. Implementation report.
- 8 (c) References to National Aquaculture Act of
- 9 1980.—Except as otherwise expressly provided, whenever in
- 10 this Act an amendment or repeal is expressed in terms of
- 11 an amendment to, or repeal of, a section or other provision,
- 12 the reference shall be considered to be made to a section or
- 13 other provision of the National Aquaculture Act of 1980 (16

14 U.S.C. 2801 et seq.).

#### 15 SEC. 2. FINDINGS AND PURPOSE.

- 16 (a) FINDINGS.—Subsection (a) of section 2 (16 U.S.C.
- 17 *2801(a)) is amended to read as follows:*

1	"(a) FINDINGS	—Congress fii	nds the following:	

2 "(1) The wild harvest or capture of certain sea3 food species exceeds levels of optimum sustainable
4 yield, thereby making it more difficult to meet the in5 creasing demand for aquatic food.

6 "(2) To satisfy the domestic market for aquatic 7 food, the United States imports more than 59 percent 8 of its seafood. This dependence on imports adversely 9 affects the national balance of payments and contrib-10 utes to the uncertainty of supplies and product qual-11 ity.

12 "(3) Although aquaculture currently contributes
13 approximately 16 percent by weight of world seafood
14 production, less than 9 percent by weight of current
15 United States seafood production results from aqua16 culture. As a result, domestic aquaculture production
17 has the potential for significant growth.

''(4) Aquaculture production of aquatic animals
and plants is a source of food, industrial materials,
pharmaceuticals, energy, and aesthetic enjoyment,
and can assist in the control and abatement of pollution.

23 "(5) The rehabilitation and enhancement of fish
24 and shellfish resources are desirable applications of
25 aquaculture technology.

1	"(6) The principal responsibility for the develop-
2	ment of aquaculture in the United States must rest
3	with the private sector.
4	"(7) Despite its potential, the development of
5	aquaculture in the United States has been inhibited
6	by many scientific, economic, legal, and production
7	factors, such as—
8	''(A) inadequate credit;
9	"(B) limited research and development and
10	demonstration programs;
11	"(C) diffused legal jurisdiction;
12	"(D) inconsistent interpretations between
13	Federal agencies;
14	"(E) the lack of management information;
15	"(F) the lack of supportive policies of the
16	Federal Government;
17	"(G) the lack of therapeutic compounds for
18	treatment of the diseases of aquatic animals and
19	plants; and
20	"(H) the lack of reliable supplies of seed
21	stock.
22	"(8) Many areas of the United States are suit-
23	able for aquaculture, but are subject to land-use or
24	water-use management policies and regulations that
25	do not adequately consider the potential for aqua-

culture and may inhibit the development of aqua culture.

3 "(9) In 1990, the United States ranked only
4 tenth in the world in aquaculture production based
5 on total value of products.

6 "(10) Despite the current and increasing impor-7 tance of private aquaculture to the United States 8 economy and to rural areas in the United States, 9 Federal efforts to nurture aquaculture development 10 have failed to keep pace with the needs of fish and 11 aquatic plant farmers.

12 "(11) The United States has a premier oppor13 tunity to expand existing aquaculture production and
14 develop new aquaculture industries to serve national
15 needs and the global marketplace.

''(12) United States aquaculture provides wholesome products for domestic consumers and contributes
significantly to employment opportunities and the
quality of life in rural areas in the United States.

20 "(13) Since 1980, the United States trade deficit
21 in edible fishery products has increased by 48 percent,
22 from \$1,777,921,000 to \$2,634,738,000 in 1991.

23 "(14) Aquaculture is poised to become a major
24 growth industry of the 21st century. With global sea25 food demand projected to increase 70 percent by 2025,

and harvests from capture fisheries stable or declin ing, aquaculture would have to increase production
 by 700 percent, a total of 77 million metric tons an nually.

5 "(15) Private aquaculture production in the 6 United States has increased an average of 20 percent 7 by weight annually since 1980, and is one of the fast-8 est growing segments of United States and world ag-9 riculture.

10 "(16) In 1990, private United States aqua11 culture production was 860,750,000 pounds, worth
12 \$761,500,000, up from 203,178,000 pounds, worth
13 \$191,977,000, in 1980.

''(17) Since 1960, per capita consumption of
aquatic foods in the United States has increased by
49 percent to 14.9 pounds in 1991, and could reach
20 pounds by the year 2000. Total United States demand is projected to double by 2020.''.

19 (b) PURPOSE.—Subsection (b) of section 2 (16 U.S.C.
20 2801(b)) is amended to read as follows:

21 "(b) PURPOSE.—It is the purpose of this Act to pro22 mote aquaculture in the United States by—

23 "(1) declaring a national aquaculture policy;
24 "(2) establishing private aquaculture as a form
25 of agriculture;

1	''(3) establishing cultivated aquatic animals,
2	plants, microorganisms, and their products produced
3	by private persons and moving in standard commod-
4	ity channels as agricultural livestock, crops, and com-
5	modities;
6	"(4) establishing the Department as the lead
7	Federal agency for the development, implementation,
8	promotion, and coordination of national policy and
9	programs for private aquaculture by—
10	"(A) designating the Secretary as the per-
11	manent chairperson of a Federal interagency
12	aquaculture coordinating group;
13	"(B) assigning overall responsibility to the
14	Secretary for coordinating, developing, and car-
15	rying out policies and programs for private
16	aquaculture; and
17	"(C) authorizing the establishment of a Na-
18	tional Aquaculture Information Center within
19	the Department to support the United States
20	aquaculture industry; and
21	"(5) encouraging—
22	"(A) aquaculture activities and programs
23	in both the public and private sectors of the econ-
24	omy of the United States;

1	"(B) the creation of new industries and job
2	opportunities related to aquaculture activities;
3	"(C) the reduction of the fisheries trade defi-
4	cit; and
5	"(D) other national policy benefits deriving
6	from aquaculture activities. ''.
7	SEC. 3. DEFINITIONS.
8	Section 3 (16 U.S.C. 2802) is amended—
9	(1) in paragraph (1), by striking ''the propaga-
10	tion" and all that follows through the period at the
11	end and inserting ''the controlled cultivation of
12	aquatic plants, animals, and microorganisms.";
13	(2) in paragraph (3), by inserting before the pe-
14	riod at the end the following: ''or microorganism'';
15	(3) by redesignating paragraphs (7) through (9)
16	as paragraphs (9) through (11), respectively;
17	(4) by redesignating paragraphs (5) and (6) as
18	paragraphs (6) and (7), respectively;
19	(5) by inserting after paragraph (4) the follow-
20	ing new paragraph:
21	''(5) The term 'Department' means the United
22	States Department of Agriculture.''; and
23	(6) by inserting before paragraph (9) (as redesig-
24	nated by paragraph (3)) the following new para-
25	graph:

1	"(8) The term 'private aquaculture' means the
2	controlled cultivation of aquatic plants, animals, and
3	microorganisms other than cultivation carried out by
4	the Federal Government or any State or local govern-
5	ment.".
6	SEC. 4. NATIONAL AQUACULTURE DEVELOPMENT PLAN.
7	Section 4 (16 U.S.C. 2803) is amended—
8	(1) in the second sentence of subsection (c)—
9	(A) in subparagraph (A), by adding "and"
10	at the end;
11	(B) in subparagraph (B), by striking '';
12	and" and inserting a period; and
13	(C) by striking subparagraph (C);
14	(2) in the second sentence of subsection (d), by
15	striking ''Secretaries determine'' and inserting ''Sec-
16	retary, in consultation with the other Secretaries, de-
17	termines'';
18	(3) in subsection (e)—
19	(A) by striking "Secretaries" and inserting
20	"Secretary"; and
21	(B) by inserting ''and in consultation with
22	the other Secretaries and representatives of other
23	Federal agencies'' after ''coordinating group'';
24	and

(4) by adding at the end the following new sub-1 2 section:

"(f) Accomplishments in Aquaculture Pro-3 GRAMS.—Not later than December 31, 1994, the Secretary, 4 in consultation with the Secretary of Commerce and the 5 Secretary of the Interior, shall submit to Congress a report 6 evaluating the actions taken in accordance with subsection 7 (d) with respect to the Plan, and making recommendations 8 for updating and modifying the Plan. The report shall also 9 contain a compendium on Federal regulations relating to 10 aquaculture.". 11

12	SEC. 5. NATIONAL AQUACULTURE INFORMATION CENTER;
13	ASSIGNMENT OF NEW PROGRAMS.
14	Section 5 (16 U.S.C. 2804) is amended—
15	(1) in subsection (b)(3), by striking "Secretaries
16	deem" and inserting "Secretary, in consultation with
17	the other Secretaries, considers'';
18	(2) in subsection $(c)(1)(B)$ —
19	(A) by striking "Secretary shall—" and in-
20	serting "Secretary—";
21	(B) by striking clause (i) and inserting the
22	following new clause:
23	"(i) may establish, within the Department,
24	within the National Agricultural Library, a Na-

1	tional Aquaculture Information Center that
2	shall—
3	"(I) serve as a repository and clearing-
4	house for the information collected under
5	subparagraph (A) and other provisions of
6	this Act;
7	"(II) carry out a program to notify or-
8	ganizations, institutions, and individuals
9	known to be involved in aquaculture of the
10	existence of the Center and the kinds of in-
11	formation that the Center can make avail-
12	able to the public; and
13	"(III) make available, on request, in-
14	formation described in subclause (I) (in-
15	cluding information collected under sub-
16	section (e));";
17	(C) in clause (ii)—
18	(i) by inserting ''shall'' before ''ar-
19	range"; and
20	(ii) by striking the comma and insert-
21	ing a semicolon; and
22	(D) in clause (iii), by inserting ''shall'' be-
23	fore ''conduct'';
24	(3) in the first sentence of subsection (d), by
25	striking ''Interior,,'' and inserting ''Interior,''; and

(4) by adding at the end the following new sub section:

"(e) Assignment of New Programs.—In consulta-3 4 tion with representatives of the United States aquaculture industry and in coordination with the Secretary of the Inte-5 rior, the Secretary of Commerce, and the heads of other ap-6 7 propriate Federal agencies, the Secretary may assess Federal aquatic animal health programs and make rec-8 ommendations as to the appropriate assignment to Federal 9 agencies of new programs, initiatives, and activities in sup-10 port of aquaculture and resource stewardship and manage-11 12 *ment.*".

# 13 SEC. 6. COORDINATION WITH THE AQUACULTURE INDUS-14TRY.

15 Section 6(b) (16 U.S.C. 2805(b)) is amended—

16 (1) in paragraph (5), by striking "and" at the17 end;

(2) in paragraph (6), by striking the period at
the end and inserting '; and''; and

20 (3) by adding at the end the following new para-21 graph:

''(7) in order to facilitate improved communication and interaction among aquaculture producers,
the aquaculture community, the Federal Government,
and the coordinating group, establish a working rela-

1	tionship with national organizations, commodity as-
2	sociations, and professional societies representing
3	aquaculture interests.".
4	SEC. 7. NATIONAL POLICY FOR PRIVATE AQUACULTURE.
5	The Act (16 U.S.C. 2801 et seq.) is amended—
6	(1) by redesignating sections 7 through 11 as sec-
7	tions 12 through 16, respectively; and
8	(2) by inserting after section 6 the following new
9	section:
10	"SEC. 7. NATIONAL POLICY FOR PRIVATE AQUACULTURE.
11	"(a) In General.—The Secretary, in consultation
12	with the Secretary of Commerce, the Secretary of the Inte-
13	rior, and the heads of other agencies, as appropriate, shall
14	coordinate and implement a national policy for private
15	aquaculture in accordance with this section.
16	"(b) Department Aquaculture Plan.—
17	"(1) IN GENERAL.—The Secretary shall develop
18	and implement a Department Aquaculture Plan (re-
19	ferred to in this section as the 'plan') for a unified
20	Department aquaculture program to support the de-
21	velopment of private United States aquaculture.
22	"(2) Elements of plan.—The plan shall ad-
23	dress—
24	"(A) individual agency programs related to
25	aquaculture in the Department that are consist-

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1	ent with Department programs applied to other
2	agricultural programs, livestock, crops, products,
3	and commodities under the jurisdiction of De-
4	partment agencies;
5	"(B) the treatment of cultivated aquatic
6	animals as livestock and cultivated aquatic
7	plants as agricultural crops; and
8	"(C) means for effective coordination and
9	implementation of aquaculture activities and
10	programs within the Department, including in-
11	dividual agency commitments of personnel and
12	resources.
13	"(3) DEADLINE.—Not later than 1 year after the
14	date of enactment of the National Aquaculture Devel-
15	opment, Research, and Promotion Act of 1993, the
16	Secretary shall submit the plan to Congress.
17	"(4) REPORTS.—Not later than 1 year after the
18	date of the submission of the plan pursuant to para-
19	graph (3), and annually thereafter, the Secretary
20	shall report to Congress on actions taken to imple-
21	ment the plan during the year preceding the date of
22	the report.
23	"(5) National aquaculture information
24	CENTER.—

1	"(A) IN GENERAL.—In carrying out section
2	5, the Secretary may maintain and support a
3	National Aquaculture Information Center (re-
4	ferred to in this paragraph as the 'Center') as a
5	repository for information on national and
6	international aquaculture.
7	"(B) PUBLIC ACCESS.—Information in the
8	Center shall be made available to the public.
9	"(C) INTERNATIONAL EXCHANGE.—The
10	head of the Center shall arrange with foreign na-
11	tions for the exchange of information relating to
12	aquaculture and shall support a translation
13	service.
14	"(D) SUPPORT.—The Center shall provide
15	direct support to the coordinating group.
16	"(c) National Aquaculture Development
17	Plan.—
18	"(1) IN GENERAL.—Not later than 1 year after
19	the date of enactment of the National Aquaculture De-
20	velopment, Research, and Promotion Act of 1993, the
21	Secretary shall revise the National Aquaculture Devel-
22	opment Plan required to be established under section
23	4.
24	"(2) Coordination.—The Secretary shall inte-
25	grate and coordinate the aquaculture and related mis-

1	sions, major objectives, and program components of
2	individual aquaculture plans of the coordinating
3	group members.
4	"(3) SUBMISSION TO CONGRESS.—Not later than
5	1 year after the date of enactment of the National
6	Aquaculture Development, Research, and Promotion
7	Act of 1993, the Secretary shall submit a revised Plan
8	to Congress.
9	"(4) UPDATES.—Not later than 5 years after the
10	date of the submission of the revised Plan pursuant
11	to paragraph (3), and annually thereafter, the Sec-
12	retary shall revise the National Aquaculture Develop-
13	ment Plan.
14	"(d) Treatment of Aquaculture.—The Secretary
15	shall, for all purposes, treat—
16	"(1) private aquaculture as a form of agri-
17	culture; and
18	''(2) cultivated aquatic animals, plants, and
19	microorganisms, and products of the animals, plants,
20	and microorganisms, produced by private persons
21	and moving in standard commodity channels as agri-
22	cultural livestock, crops, and commodities.
23	"(e) Resolution of Interagency Conflict.—In
24	consultation with representatives of affected Federal agen-
25	cies, the Secretary shall be responsible for resolving any

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1	interagency conflict in the coordination or implementation
2	of the policy described in this section.
3	"(f) Private Aquaculture Policy Coordination,
4	Development, and Implementation.—
5	"(1) RESPONSIBILITY.—The Secretary shall have
6	overall responsibility for coordinating, developing,
7	and carrying out policies and programs for private
8	aquaculture.
9	"(2) DUTIES.—The Secretary shall—
10	"(A) coordinate all intradepartmental func-
11	tions and activities relating to private aqua-
12	culture;
13	"(B) establish procedures for the coordina-
14	tion of functions, and consultation, with the co-
15	ordinating group; and
16	"(C) recommend to the National Agricul-
17	tural Library methods by which the aquaculture
18	resources of the Library can be made more easily
19	retrievable and can be more widely disseminated.
20	"(3) Liaison.—
21	"(A) Agencies of the department.—To
22	facilitate communication and interaction be-
23	tween the aquaculture community and the De-
24	partment, the head of each agency of the Depart-
25	ment shall, if requested by the Secretary, des-

1	ignate an officer or employee of the agency to be
2	the liaison of the agency with the Secretary.
3	"(B) Departments of commerce and in-
4	TERIOR.—The Secretary of Commerce and the
5	Secretary of the Interior shall each designate an
6	officer or employee of their respective Depart-
7	ments to be the liaison of their respective Depart-
8	ments with the Secretary.".

#### 9 SEC. 8. WATER QUALITY ASSESSMENT.

10 The Act (16 U.S.C. 2801 et seq.) is amended by insert-11 ing after section 7 (as added by section 7) the following 12 new section:

#### 13 "SEC. 8. WATER QUALITY ASSESSMENT.

14 "(a) Assessment.—The Administrator of the Environmental Protection Agency is authorized to carry out, in 15 collaboration with the Secretary, collaborative interagency 16 programs that demonstrate the application of aquaculture 17 to environmental enhancement and assessment, including 18 a program to assess the environmental impact of water-19 borne contaminants on naturally occurring aquatic orga-20 nisms and ecosystems using aquaculture-raised organisms 21 22 to serve as an indicator of environmental pollution.

23 "(b) GRANTS; COOPERATIVE AGREEMENTS.—The Ad24 ministrator may provide grants or enter into cooperative
25 agreements or contracts with private research organizations

for research and demonstration of the technology authorized
 by this section.".

#### 3 SEC. 9. NATIVE AMERICAN FISHPOND REVITALIZATION.

4 The Act (16 U.S.C. 2801 et seq.) is amended by insert5 ing after section 8 (as added by section 8) the following
6 new section:

#### 7 "SEC. 9. NATIVE AMERICAN FISHPOND REVITALIZATION.

8 "(a) DEFINITION OF NATIVE AMERICAN.—As used in
9 this section, the term 'Native American' means—

"(1) an Indian, as defined in section 4(d) of the
Indian Self-Determination and Education Assistance
Act (25 U.S.C. 450b(d));

"(2) a Native Hawaiian, as defined in section
8(3) of the Native Hawaiian Health Care Act of 1988
(42 U.S.C. 11707(3)) or section 815(3) of the Native
American Programs Act (42 U.S.C. 2992c(3));

17 ''(3) an Alaska Native, within the meaning pro18 vided for the term 'Native' in section 3(b) of the Alas19 ka Native Claims Settlement Act (43 U.S.C. 1602(b));
20 and

21 "(4) a Pacific Islander, within the meaning of
22 the Native American Programs Act of 1974 (42
23 U.S.C. 2991 et seq.)

24 "(b) AUTHORIZATION OF PROGRAM.—The Secretary of
25 Agriculture is authorized to carry out a program to revital-

ize fishponds used by Native Americans to cultivate aquatic
 species.

3 "(c) Grants: Cooperative Agreements.—The Secretary may provide grants or enter into cooperative agree-4 ments with individuals and organizations, including Na-5 tive American organizations, to promote fishpond revital-6 7 ization. Funds provided under this section may be used to engage in fishpond research, pond culture technology devel-8 opment, the application of traditional pond culture tech-9 niques and modern aquaculture practices to ancient 10 fishponds, technical assistance and technology transfer, and 11 12 such other activities as the Secretary determines are appropriate.". 13

### 14SEC. 10. DISASTER ASSISTANCE FOR AQUACULTURE PRO-15DUCERS.

(a) IN GENERAL.—Section 2244 of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C.
18 1421 note) is amended—

19 (1) in subsection (a)(1)(A)(ii), by inserting ", if
20 applicable," after "subsection (d)(2) for such crop";
21 and

(2) in subsection (d)(1), by inserting "and
aquatic species raised for human or animal consumption," after "was not available for crop year 1990,".

(b) LIMITATION.—The amendments made by sub section (a) shall apply only to the extent appropriations
 are made available after the date of enactment of this Act
 to carry out the amendments.

#### 5 SEC. 11. AQUACULTURE EDUCATION.

6 The Act (16 U.S.C. 2801 et seq.) is amended by insert7 ing after section 9 (as added by section 9) the following
8 new section:

#### 9 "SEC. 10. AQUACULTURE EDUCATION.

10 *"(a) DEFINITIONS.—As used in this section:* 

11 "(1) POSTSECONDARY VOCATIONAL INSTITU-TION.—The term 'postsecondary vocational institu-12 tion' has the same meaning given the term by section 13 481(c) of the Higher Education Act of 1965 (20 14 15 U.S.C. 1088(c)), except that the term only includes an institution that awards an associates degree but does 16 17 not award a bachelor's degree.

18 "(2) SECONDARY SCHOOL.—The term 'secondary
19 school' has the same meaning given the term by sec20 tion 1471(21) of the Elementary and Secondary Edu21 cation Act of 1965 (20 U.S.C. 2891(21)).

''(b) AUTHORIZATION OF PROGRAM.—The Secretary is
authorized to establish a program to expand and improve
instruction, on aquaculture and the basic principles of
aquaculture farming, in the agriculture curriculum for stu-

1	dents attending secondary schools and postsecondary voca-
2	tional institutions.
3	"(c) GRANTS AND CURRICULUM.—In carrying out sub-
4	section (b), the Secretary may—
5	"(1) make grants to—
6	"(A) establish and maintain aquaculture
7	learning centers in secondary schools and post-
8	secondary vocational institutions;
9	"(B) promote aquaculture technology trans-
10	fer; and
11	"(C) educate consumers and the public con-
12	cerning the benefits of aquaculture; and
13	"(2) develop curriculum and supporting mate-
14	rials on aquaculture farming, field test the content of
15	the curriculum, and supply training to educators at
16	secondary schools and postsecondary vocational insti-
17	tutions on the aquaculture curriculum and materials
18	developed.
19	"(d) Priority for Grants.—In awarding grants
20	under subsection (c)(1), the Secretary shall give priority
21	to—
22	"(1) the ability of the proposed aquaculture
23	learning center to gain access to—
24	"(A) a commercial aquaculture farm;

1	"(B) a regional aquaculture center estab-
2	lished by the Secretary under section 1475(d) of
3	the National Agricultural Research, Extension,
4	and Teaching Policy Act of 1977 (7 U.S.C.
5	<i>3322(d));</i>
6	"(C) an aquaculture research facility; or
7	''(D) a similar venture that would afford
8	students the opportunity to experience aqua-
9	culture research and development or commer-
10	cialization;
11	"(2) the ability of the center to achieve outreach
12	to minority audiences or students in inner-city
13	schools;
14	"(3) the ability of the center to foster awareness
15	of aquaculture among consumers and the general pub-
16	lic;
17	"(4) the ability of the center to serve as an aqua-
18	culture education facility for visiting students par-
19	ticipating in a field trip or a similar educational ex-
20	perience for inservice training; and
21	"(5) the level of assistance to be provided from
22	non-Federal sources.
23	"(e) Limitation.—

 "(1) IN GENERAL.—Except as provided in paragraph (2), a grantee may not receive a grant under
 this section for more than 5 fiscal years.

4 "(2) WAIVER.—In the case of grantees that re-5 ceive grants under this section for fiscal year 1995, 6 the Secretary may waive the application of para-7 graph (1) to the grantees for the fiscal year if the Sec-8 retary determines that the application of paragraph 9 (1) to the grantees would result in the termination of 10 an excessive number of grants.".

#### 11 SEC. 12. AUTHORIZATION OF APPROPRIATIONS.

12 The first sentence of section 15 (as redesignated by sec-13 tion 7(1)) is amended to read as follows: "There are author-14 ized to be appropriated to carry out this Act (including 15 the functions of the Joint Subcommittee on Aquaculture es-16 tablished under section 6(a)) \$3,000,000 for each of fiscal 17 years 1994 and 1995.".

## 18 SEC. 13. ELIGIBILITY OF AQUACULTURE FARMERS FOR 19 FARM CREDIT ASSISTANCE.

(a) IN GENERAL.—Section 343 of the Consolidated
Farm and Rural Development Act (7 U.S.C. 1991) is
amended by striking "fish farming" both places it appears
in paragraphs (1) and (2) and inserting "aquaculture (as
the term is defined in section 3(1) of the National Aquaculture Act of 1980 (16 U.S.C. 2802(1)))".

*(b) EFFECTIVE DATE.*—*The amendments made by sub-*1 section (a) shall become effective on October 1, 1994. 2 3 SEC. 14. INTERNATIONAL AQUACULTURE INFORMATION 4 AND DATA COLLECTION. Section 502 of the Agricultural Trade Act of 1978 (7 5 U.S.C. 5692) is amended by adding at the end the following 6 7 new subsection: 8 "(d) International Aquaculture Information AND DATA COLLECTION. 9 "(1) IN GENERAL.—The Secretary is authorized 10 11 to establish and carry out a program of data collection, analysis, and dissemination of information to 12 provide continuing and timely economic information 13 concerning international aquaculture production. 14 15 *"(2) Consultation.—In carrying out para*graph (1), the Secretary shall consult with the Joint 16 17 Subcommittee on Aquaculture established under sec-18 tion 6(a) of the National Aquaculture Act of 1980 (16 19 U.S.C. 2805(a)), and representatives of the United 20 States aquaculture industry, concerning means of ef-

21 *fectively providing data described in paragraph (1) to* 

22 *the Joint Subcommittee and the industry.*".

23 SEC. 15. AQUACULTURE INFORMATION NETWORK REPORT.

Not later than 180 days after the date of enactmentof this Act, the Secretary of Agriculture shall report to Con-

gress on the feasibility of expanding current information 1 systems at regional aquaculture centers established by the 2 Secretary under section 1475(d) of the National Agricul-3 4 tural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3322(d)), universities, research institutions, and 5 the National Agricultural Library to permit an on-line link 6 7 between those entities for the sharing of data, publication, and technical assistance information involving aquaculture. 8 9 SEC. 16. VOLUNTARY CERTIFICATION OF QUALITY STAND-

10 **ARDS.** 

The Act (16 U.S.C. 2801 et seq.) is amended by inserting after section 10 (as added by section 11) the following
new section:

## 14 "SEC. 11. VOLUNTARY CERTIFICATION OF QUALITY STAND15 ARDS.

16 "The Secretary shall develop, in consultation with rep17 resentatives of the aquaculture industry, a plan for vol18 untary certification of guidelines to ensure the quality of
19 aquatic species subject to this Act in order to promote the
20 marketing and transportation of aquaculture products.".

#### 21 SEC. 17. IMPLEMENTATION REPORT.

(a) IN GENERAL.—Not later than 180 days after the
date of enactment of this Act, the Secretary of Agriculture
shall report to Congress on the progress made in carrying
out this Act and the amendments made by this Act.

1	(b) Contents.—The report required by subsection (a)
2	shall include—

3	(1) a description of all programs and activities
4	of the Department of Agriculture and all other agen-
5	cies and Departments in support of private aqua-
6	culture;
7	(2) the specific authorities for the activities de-
8	scribed in paragraph (1); and
9	(3) recommendations for such actions as the Sec-
10	retary of Agriculture determines are necessary to im-

- 11 prove recognition and support of private aquaculture
- 12 *in each agency of the Department of Agriculture.*

Amend the title so as to read: "A bill to provide for the coordination and implementation of a national aquaculture policy for the private sector by the Secretary of Agriculture, to establish an aquaculture development and research program, and for other purposes.".

- S 1288 RS—2
- S 1288 RS----3
- S 1288 RS-4
- S 1288 RS-5