

HOUSE BILL 1228

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2lr2871
CF SB 830

By: **Delegates Crosby, Clark, Boyce, Barve, and Stein**

Introduced and read first time: February 11, 2022

Assigned to: Environment and Transportation

A BILL ENTITLED

1 AN ACT concerning

2 **Natural Resources – Oysters – Spat, Shells, and Substrate**

3 FOR the purpose of establishing various programs, goals, research requirements, planning
4 requirements, and funding requirements related to oyster spat, oyster shells, and
5 oyster substrate; requiring the Maryland Agricultural and Resource–Based Industry
6 Development Corporation to provide loans and grants up to a certain amount to
7 finance the eligible costs of certain eligible seafood processing projects; replacing the
8 oyster shell recycling tax credit with an annual grant program administered by the
9 Department of Natural Resources; requiring the Maryland Geological Survey, in
10 conjunction with certain other entities, to conduct certain bottom surveys; requiring
11 the University of Maryland Center for Environmental Science to conduct research
12 related to substrate in collaboration with certain entities; requiring the Department
13 to develop a certain substrate plan; providing for the construction and expansion of
14 certain oyster hatcheries; and generally relating to oysters.

15 BY repealing

16 Article – Tax – General

17 Section 10–724.1

18 Annotated Code of Maryland

19 (2016 Replacement Volume and 2021 Supplement)

20 BY repealing and reenacting, without amendments,

21 Article – Economic Development

22 Section 10–501(a), (f), and (l)

23 Annotated Code of Maryland

24 (2018 Replacement Volume and 2021 Supplement)

25 BY adding to

26 Article – Economic Development

27 Section 10–519.1

28 Annotated Code of Maryland

EXPLANATION: CAPITALS INDICATE MATTER ADDED TO EXISTING LAW.

[Brackets] indicate matter deleted from existing law.



1 (2018 Replacement Volume and 2021 Supplement)

2 BY repealing

3 Article – Natural Resources

4 Section 4–1019.1

5 Annotated Code of Maryland

6 (2018 Replacement Volume and 2021 Supplement)

7 BY adding to

8 Article – Natural Resources

9 Section 4–1019.1 and 4–1019.2(g)

10 Annotated Code of Maryland

11 (2018 Replacement Volume and 2021 Supplement)

12 BY repealing and reenacting, with amendments,

13 Article – Natural Resources

14 Section 4–1102

15 Annotated Code of Maryland

16 (2018 Replacement Volume and 2021 Supplement)

17 SECTION 1. BE IT ENACTED BY THE GENERAL ASSEMBLY OF MARYLAND,

18 That the Laws of Maryland read as follows:

19 **Article – Tax – General**

20 [10–724.1.

21 (a) (1) Subject to the limitations of this section, an individual or a corporation
22 may claim a credit against the State income tax in an amount equal to \$5 for each bushel
23 of oyster shells recycled during the taxable year.

24 (2) An individual or a corporation that claims the credit under this section
25 shall provide verification of the amount of oyster shells recycled during the taxable year
26 with the individual or corporation tax return.

27 (b) (1) For any taxable year, the credit allowed under this section may not
28 exceed the lesser of:

29 (i) \$1,500; or

30 (ii) the State income tax calculated before application of the credit
31 allowed under this section and §§ 10–701 and 10–701.1 of this subtitle.

32 (2) The unused amount of the credit may not be carried over to any other
33 taxable year.

1 (c) (1) The Department of Natural Resources and the Comptroller jointly shall
2 adopt regulations to carry out the provisions of this section.

3 (2) The regulations shall establish eligibility criteria and provide for the
4 certification of businesses, landfills, and nonprofit organizations to verify the amount of
5 oyster shells recycled by each individual or corporation.]

6 SECTION 2. AND BE IT FURTHER ENACTED, That the Laws of Maryland read
7 as follows:

8 Article – Economic Development

9 10–501.

10 (a) In this subtitle the following words have the meanings indicated.

11 (f) “Corporation” means the Maryland Agricultural and Resource–Based
12 Industry Development Corporation.

13 (l) (1) “Project” means any property, the acquisition or improvement of which
14 the Board, in its sole discretion, determines by resolution will accomplish at least one of the
15 purposes listed in § 10–502 of this subtitle, whether or not the property, or any interest in
16 the property:

17 (i) is or will be used or operated for profit or not for profit;

18 (ii) is or will be located on one or more sites; or

19 (iii) may be financed by bonds, the interest on which is exempt from
20 taxation under federal law.

21 (2) “Project” includes:

22 (i) property and rights related to the property, appurtenances,
23 rights–of–way, franchises, easements, and other interests in property;

24 (ii) structures, equipment, furnishings, rail or motor vehicles,
25 barges, and boats;

26 (iii) property that is functionally related and subordinate to a project;
27 and

28 (iv) patents, licenses, and other rights necessary or useful in the
29 improvement or operation of a project.

30 10–519.1.

1 **(A) (1) IN THIS SECTION THE FOLLOWING WORDS HAVE THE MEANINGS**
2 **INDICATED.**

3 **(2) “ELIGIBLE SEAFOOD PROCESSING PROJECT” MEANS A PROJECT**
4 **TO ESTABLISH OR EXPAND THE BUSINESS OF A LICENSED SEAFOOD DEALER THAT:**

5 **(I) SUPPORTS THE GOAL OF INCREASING THE AMOUNT OF**
6 **OYSTER SHELLS RETAINED IN THE STATE AND RETURNED TO THE CHESAPEAKE**
7 **BAY; AND**

8 **(II) MEETS THE CRITERIA ESTABLISHED BY THE CORPORATION**
9 **UNDER THIS SECTION.**

10 **(3) “LICENSED SEAFOOD DEALER” MEANS A PERSON LICENSED**
11 **UNDER § 4-701 OF THE NATURAL RESOURCES ARTICLE TO BUY, PROCESS, PACK,**
12 **RESELL, MARKET OR OTHERWISE DEAL IN FISH CAUGHT IN THE TIDAL WATERS OF**
13 **THE STATE.**

14 **(B) (1) THE CORPORATION SHALL PROVIDE LOANS AND GRANTS UP TO**
15 **\$250,000 TO FINANCE THE COSTS OF ELIGIBLE SEAFOOD PROCESSING PROJECTS IN**
16 **ACCORDANCE WITH THIS SECTION.**

17 **(2) FINANCING PROVIDED UNDER THIS SECTION SHALL BE**
18 **CONDITIONED ON THE AGREEMENT BY THE RECIPIENT TO RETURN, AT NO COST TO**
19 **THE STATE, ALL OYSTER SHELLS PROCESSED BY THE RECIPIENT:**

20 **(I) TO THE DEPARTMENT OF NATURAL RESOURCES, FOR USE**
21 **IN THE DEPARTMENT’S REPLETION AND RESTORATION ACTIVITIES; OR**

22 **(II) DIRECTLY TO OYSTER BARS IN THE PUBLIC FISHERY OR**
23 **RESTORATION AREAS, IN ACCORDANCE WITH REGULATIONS OF THE DEPARTMENT**
24 **OF NATURAL RESOURCES.**

25 **(3) THE CORPORATION SHALL FORGIVE \$35 OF ANY LOAN PROVIDED**
26 **UNDER THIS SECTION FOR EACH BUSHEL OF OYSTER SHELLS THAT THE LOAN**
27 **RECIPIENT RETURNS TO THE DEPARTMENT OF NATURAL RESOURCES OR DIRECTLY**
28 **TO OYSTER BARS IN ACCORDANCE WITH PARAGRAPH (2) OF THIS SUBSECTION.**

29 **(C) A PERSON IS ELIGIBLE TO RECEIVE FINANCING UNDER THIS SECTION IF**
30 **THE PERSON:**

31 **(1) (I) HAS BEEN A LICENSED SEAFOOD DEALER FOR AT LEAST 5**
32 **YEARS; OR**

1 (II) HAS HELD A TIDAL FISH LICENSE ISSUED UNDER § 4-701 OF
2 THE NATURAL RESOURCES ARTICLE FOR AT LEAST 5 YEARS AND AGREES TO
3 OBTAIN A SEAFOOD DEALER LICENSE ON RECEIVING FINANCING UNDER THIS
4 SECTION;

5 (2) HAS PAID ALL APPLICABLE BUSINESS TAXES AND FEES FOR THE
6 PAST 5 YEARS;

7 (3) DEMONSTRATES TO THE SATISFACTION OF THE CORPORATION
8 THAT, WITHIN 5 YEARS AFTER RECEIVING FINANCING UNDER THIS SECTION, THE
9 PERSON'S SEAFOOD PROCESSING BUSINESS WILL:

10 (I) EMPLOY AT LEAST 15 INDIVIDUALS; AND

11 (II) ACHIEVE VIABILITY AS A BUSINESS; AND

12 (4) MEETS ANY OTHER ELIGIBILITY REQUIREMENTS ESTABLISHED BY
13 THE CORPORATION.

14 (D) FOR FISCAL YEAR 2024, THE GOVERNOR SHALL INCLUDE IN THE
15 ANNUAL BUDGET BILL AN APPROPRIATION OF \$1,000,000 TO THE CORPORATION
16 FOR THE PURPOSE OF PROVIDING GRANTS AND LOANS UNDER THIS SECTION.

17 Article – Natural Resources

18 [4-1019.1.

19 The Department shall initiate the development of a program for enactment by the
20 Maryland General Assembly to encourage return of the State's oyster shell resource to the
21 tidal waters of the State to assist oyster propagation. The Department also may use the
22 Fisheries Research and Development Fund to purchase oyster shell.]

23 4-1019.1.

24 (A) THE DEPARTMENT SHALL PROVIDE ANNUAL GRANTS TO NONPROFIT
25 ORGANIZATIONS, COMMUNITY ASSOCIATIONS, RESTAURANTS, AND SEAFOOD
26 PROCESSORS THAT RECYCLE OYSTER SHELLS.

27 (B) (1) GRANTS TO NONPROFIT ORGANIZATIONS AND COMMUNITY
28 ASSOCIATIONS SHALL BE PROVIDED IN THE FOLLOWING AMOUNTS:

29 (I) \$100 FOR THE RECYCLING OF AT LEAST 5 BUT LESS THAN 20
30 BUSHELS OF OYSTER SHELLS IN A YEAR; AND

1 **(II) \$250 FOR THE RECYCLING OF AT LEAST 20 BUSHELS OF**
2 **OYSTER SHELLS IN A YEAR.**

3 **(2) GRANTS TO RESTAURANTS AND SEAFOOD PROCESSORS SHALL BE**
4 **PROVIDED IN THE FOLLOWING AMOUNTS:**

5 **(I) \$100 FOR THE RECYCLING OF AT LEAST 25 BUT LESS THAN**
6 **50 BUSHELS OF OYSTER SHELLS IN A YEAR;**

7 **(II) \$250 FOR THE RECYCLING OF AT LEAST 50 BUT LESS THAN**
8 **100 BUSHELS OF OYSTER SHELLS IN A YEAR;**

9 **(III) \$500 FOR THE RECYCLING OF AT LEAST 100 BUT LESS THAN**
10 **250 BUSHELS OF OYSTER SHELLS IN A YEAR;**

11 **(IV) \$1,000 FOR THE RECYCLING OF AT LEAST 250 BUT LESS**
12 **THAN 500 BUSHELS OF OYSTER SHELLS IN A YEAR;**

13 **(V) \$1,500 FOR THE RECYCLING OF AT LEAST 500 BUT LESS**
14 **THAN 1,000 BUSHELS OF OYSTER SHELLS IN A YEAR; AND**

15 **(VI) \$2,000 FOR THE RECYCLING OF AT LEAST 1,000 BUSHELS**
16 **OF OYSTER SHELLS IN A YEAR.**

17 **(C) THE DEPARTMENT SHALL PROVIDE, AT NO COST, RECEPTACLES FOR**
18 **THE COLLECTION OF OYSTER SHELLS TO RESTAURANTS THAT AGREE TO RECYCLE**
19 **AT LEAST 25 BUSHELS OF OYSTER SHELLS PER YEAR.**

20 **(D) (1) THE DEPARTMENT SHALL ADOPT REGULATIONS TO CARRY OUT**
21 **THE PROVISIONS OF THIS SECTION.**

22 **(2) THE REGULATIONS SHALL ESTABLISH ELIGIBILITY CRITERIA AND**
23 **PROVIDE FOR THE CERTIFICATION OF NONPROFIT ORGANIZATIONS, COMMUNITY**
24 **ASSOCIATIONS, RESTAURANTS, AND SEAFOOD PROCESSORS TO VERIFY THE**
25 **AMOUNT OF OYSTER SHELLS RECYCLED BY EACH ENTITY.**

26 4-1019.2.

27 **(G) THE DEPARTMENT MAY USE THE FISHERIES RESEARCH AND**
28 **DEVELOPMENT FUND TO PURCHASE OYSTER SHELLS.**

29 4-1102.

1 (a) The Department may resurvey any submerged area of the State to determine
2 the position and extent of any natural oyster bar.

3 (b) If, after conducting a survey in accordance with subsection (a) of this section,
4 the Department finds that any natural oyster bar is located incorrectly on existing charts
5 or that the existing charts do not reflect the actual condition of submerged lands, the
6 Department shall amend the existing charts or coordinates by regulation.

7 (c) (1) **BEGINNING IN FISCAL YEAR 2024, THE MARYLAND GEOLOGICAL
8 SURVEY, IN CONJUNCTION WITH THE UNIVERSITY OF MARYLAND CENTER FOR
9 ENVIRONMENTAL SCIENCE, SHALL SURVEY SUBMERGED AREAS OF THE STATE IN
10 ACCORDANCE WITH THE PROVISIONS OF THIS SUBSECTION.**

11 (2) **IN SELECTING SITES FOR SURVEYING UNDER THIS SUBSECTION,
12 THE MARYLAND GEOLOGICAL SURVEY AND THE UNIVERSITY OF MARYLAND
13 CENTER FOR ENVIRONMENTAL SCIENCE SHALL:**

14 (i) **PRIORITIZE:**

15 1. **EASTERN BAY AND ITS TRIBUTARIES; AND**

16 2. **PUBLIC FISHERY AREAS WHERE THERE ARE LIKELY
17 TO BE SHALLOWLY BURIED SHELL DEPOSITS FROM PREVIOUS REPLETION
18 ACTIVITIES, IDENTIFIED IN CONSULTATION WITH COMMERCIAL OYSTER
19 HARVESTERS; AND**

20 (ii) **AVOID IMPORTANT FISH SPAWNING AREAS, ESPECIALLY
21 AREAS WHERE STRIPED BASS OR STURGEON ARE KNOWN TO SPAWN.**

22 (3) **TO THE EXTENT PRACTICABLE, SURVEYS CARRIED OUT UNDER
23 THIS SUBSECTION SHALL USE SUB-BOTTOM PROFILING COMBINED WITH PHYSICAL
24 SAMPLING TO QUANTIFY THE TOTAL VOLUME OF SUBSURFACE SHELL MATERIAL.**

25 (4) (i) **FOR FISCAL YEARS 2024 THROUGH 2026, THE GOVERNOR
26 SHALL INCLUDE IN THE ANNUAL BUDGET BILL AN APPROPRIATION OF \$2,000,000
27 TO FUND THE SURVEYS REQUIRED UNDER THIS SUBSECTION.**

28 (ii) **THE GOVERNOR SHALL PRIORITIZE THE USE OF FEDERAL
29 FUNDS FOR APPROPRIATIONS REQUIRED UNDER THIS PARAGRAPH.**

30 SECTION 3. AND BE IT FURTHER ENACTED, That:

31 (a) The University of Maryland Center for Environmental Science shall
32 collaborate with the Smithsonian Environmental Research Center, the Virginia Institute

1 of Marine Science, appropriate State and federal agencies, and industry and other
2 stakeholders to research:

3 (1) the types of substrate, including fresh shell, fossilized shell,
4 combinations of shell, and alternative substrates, that are most appropriate for use in
5 oyster harvest areas;

6 (2) the benefits, including habitat-related benefits, of using larger stones
7 versus smaller stones in oyster restoration areas;

8 (3) alternative substrates used for oyster restoration or repletion in other
9 regions, including the success of efforts to use alternative substrates; and

10 (4) the potential for retrofitting existing structures, such as riprap
11 revetments, that are unrelated to oyster restoration but that use materials similar to
12 artificial reefs, to include oyster plantings.

13 (b) On or before December 1, 2025, the University of Maryland Center for
14 Environmental Science shall report to the Secretary of Natural Resources and, in
15 accordance with § 2-1257 of the State Government Article, the General Assembly on its
16 research findings under this section.

17 (c) For fiscal years 2024 and 2025, the Governor shall include in the annual
18 budget bill an appropriation of \$250,000 for the University of Maryland Center for
19 Environmental Science to carry out the research required under this section.

20 SECTION 4. AND BE IT FURTHER ENACTED, That:

21 (a) On or before December 1, 2023, the Department of Natural Resources shall
22 submit a plan to the Governor and, in accordance with § 2-1257 of the State Government
23 Article, the General Assembly describing the substrate needs for oyster restoration and
24 repletion activities in the State over the next 10 years.

25 (b) The plan shall include:

26 (1) an estimate of the quantity of the substrate materials that will be
27 needed and the purposes for which the substrate materials will be used;

28 (2) an overview of the full spectrum of substrate materials available;

29 (3) an analysis of the availability, sourcing, and relative cost of each
30 substrate material;

31 (4) an estimate of the total and annual costs of implementing the plan; and

32 (5) opportunities for improving the cost-effectiveness of substrate
33 acquisition and use, including opportunities for increasing coordination with the

1 Commonwealth of Virginia, undertaking larger-scale projects to take advantage of
2 economies of scale, and reducing mobilization and demobilization costs.

3 SECTION 5. AND BE IT FURTHER ENACTED, That:

4 (a) It is the intent of the General Assembly that by 2025, oyster hatcheries in the
5 State shall be capable of producing 5 billion spat-on-shell per year.

6 (b) To reach the goal established under subsection (a) of this section, for fiscal
7 year 2024, the Governor shall include in the annual operating or capital budget:

8 (1) an appropriation of \$20,000,000 for the University of Maryland Center
9 for Environmental Science to build a second oyster hatchery, to be named after Michael E.
10 Busch, former Speaker of the House of Delegates; and

11 (2) an appropriation of \$2,500,000 for the Patuxent Environmental and
12 Aquatic Research Laboratory, Morgan State University, to be used for infrastructure
13 upgrades to support increased oyster production for research and restoration.

14 SECTION 6. AND BE IT FURTHER ENACTED, That Section 1 of this Act shall be
15 applicable to all taxable years beginning after December 31, 2021.

16 SECTION 7. AND BE IT FURTHER ENACTED, That this Act shall take effect July
17 1, 2022.