

# HOUSE BILL 1228

M1

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

---

Committee Report: Favorable with amendments

House action: Adopted

Read second time: March 12, 2022

---

## CHAPTER \_\_\_\_\_

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 evaluations related to substrate in collaboration with certain entities; requiring the  
13 Department to develop a certain substrate plan; providing for the ~~construction and~~  
14 expansion of certain oyster hatcheries; providing for oyster replenishment and  
15 restoration in Eastern Bay; and generally relating to oysters.

16 BY repealing

17 Article – Tax – General

18 Section 10–724.1

19 Annotated Code of Maryland

20 (2016 Replacement Volume and 2021 Supplement)

21 BY repealing and reenacting, without amendments,

22 Article – Economic Development

23 Section 10–501(a), (f), and (l)

---

### EXPLANATION: CAPITALS INDICATE MATTER ADDED TO EXISTING LAW.

[Brackets] indicate matter deleted from existing law.

Underlining indicates amendments to bill.

~~Strike out~~ indicates matter stricken from the bill by amendment or deleted from the law by amendment.



1 Annotated Code of Maryland  
2 (2018 Replacement Volume and 2021 Supplement)

3 BY adding to  
4 Article – Economic Development  
5 Section 10–519.1  
6 Annotated Code of Maryland  
7 (2018 Replacement Volume and 2021 Supplement)

8 BY repealing  
9 Article – Natural Resources  
10 Section 4–1019.1  
11 Annotated Code of Maryland  
12 (2018 Replacement Volume and 2021 Supplement)

13 BY adding to  
14 Article – Natural Resources  
15 Section 4–1019.1 and 4–1019.2(g)  
16 Annotated Code of Maryland  
17 (2018 Replacement Volume and 2021 Supplement)

18 BY repealing and reenacting, with amendments,  
19 Article – Natural Resources  
20 Section 4–1102  
21 Annotated Code of Maryland  
22 (2018 Replacement Volume and 2021 Supplement)

23 SECTION 1. BE IT ENACTED BY THE GENERAL ASSEMBLY OF MARYLAND,  
24 That the Laws of Maryland read as follows:

25 **Article – Tax – General**

26 [10–724.1.

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

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

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

35 (i) \$1,500; or

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

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

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

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

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

### 12 Article – Economic Development

13 10–501.

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

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

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

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

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

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

25 (2) “Project” includes:

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

28 (ii) structures, equipment, furnishings, rail or motor vehicles,  
29 barges, and boats;

30 (iii) property that is functionally related and subordinate to a project;  
31 and

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

3 **10-519.1.**

4 (A) (1) IN THIS SECTION THE FOLLOWING WORDS HAVE THE MEANINGS  
5 INDICATED.

6 (2) "ELIGIBLE SEAFOOD PROCESSING PROJECT" MEANS A PROJECT  
7 TO ESTABLISH OR EXPAND THE BUSINESS OF A LICENSED SEAFOOD DEALER THAT:

8 (I) SUPPORTS THE GOAL OF INCREASING THE AMOUNT OF  
9 OYSTER SHELLS RETAINED IN THE STATE AND RETURNED TO THE CHESAPEAKE  
10 BAY; AND

11 (II) MEETS THE CRITERIA ESTABLISHED BY THE CORPORATION  
12 UNDER THIS SECTION.

13 (3) "LICENSED SEAFOOD DEALER" MEANS A PERSON LICENSED  
14 UNDER § 4-701 OF THE NATURAL RESOURCES ARTICLE TO BUY, PROCESS, PACK,  
15 RESELL, MARKET OR OTHERWISE DEAL IN FISH CAUGHT IN THE TIDAL WATERS OF  
16 THE STATE.

17 (4) "REPLETION" MEANS ENHANCING AREAS WHERE COMMERCIAL  
18 HARVEST IS PERMITTED.

19 (B) (1) THE CORPORATION SHALL PROVIDE LOANS ~~AND GRANTS~~ UP TO  
20 \$250,000 TO FINANCE THE COSTS OF ELIGIBLE SEAFOOD PROCESSING PROJECTS IN  
21 ACCORDANCE WITH THIS SECTION, INCLUDING HISTORIC OYSTER SHUCKING  
22 FACILITIES, NOT TO EXCEED \$25,000 FOR EACH FULL-TIME JOB THAT IS  
23 PROJECTED TO BE CREATED OR RETAINED.

24 (2) FINANCING PROVIDED UNDER THIS SECTION SHALL BE  
25 CONDITIONED ON THE AGREEMENT BY THE RECIPIENT TO ~~RETURN, AT NO COST TO~~  
26 ~~THE STATE, ALL OYSTER SHELLS PROCESSED BY THE RECIPIENT;~~

27 (I) ~~TO THE DEPARTMENT OF NATURAL RESOURCES, FOR USE~~  
28 ~~IN THE DEPARTMENT'S REPLETION AND RESTORATION ACTIVITIES; OR~~

29 (II) ~~DIRECTLY TO OYSTER BARS IN THE PUBLIC FISHERY OR~~  
30 ~~RESTORATION AREAS, IN ACCORDANCE WITH REGULATIONS OF THE DEPARTMENT~~  
31 ~~OF NATURAL RESOURCES~~ COMPLY WITH THE PROVISIONS OF § 4-1019.2 OF THE  
32 NATURAL RESOURCES ARTICLE UNTIL THE LOAN IS REPAID.

1           (3) THE CORPORATION SHALL FORGIVE ~~\$25 OF~~ ANY LOAN PROVIDED  
2 UNDER THIS SECTION AS FOLLOWS:

3           (I) THE CURRENT MARKET VALUE AS ESTABLISHED IN §  
4 4-1019.2 OF THE NATURAL RESOURCES ARTICLE FOR EACH BUSHEL OF OYSTER  
5 SHELLS THAT THE LOAN RECIPIENT RETURNS TO THE DEPARTMENT OF NATURAL  
6 RESOURCES AT NO COST; OR ~~DIRECTLY TO OYSTER BARS IN ACCORDANCE WITH~~  
7 ~~PARAGRAPH (2) OF THIS SUBSECTION~~

8           (II) \$25 FOR EACH BUSHEL OF SPAT-ON-SHELL THAT THE  
9 PERSON PLANTS ON A PUBLIC FISHERY BOTTOM AS VERIFIED BY THE DEPARTMENT  
10 OF NATURAL RESOURCES.

11           (C) A PERSON IS ELIGIBLE TO RECEIVE FINANCING UNDER THIS SECTION IF  
12 THE PERSON:

13           (1) (I) HAS BEEN A LICENSED SEAFOOD DEALER FOR AT LEAST 5  
14 YEARS; OR

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

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

21           (3) DEMONSTRATES TO THE SATISFACTION OF THE CORPORATION  
22 THROUGH A BUSINESS PLAN AND PRO FORMA FINANCIAL PROJECTIONS THAT,  
23 WITHIN 5 YEARS AFTER RECEIVING FINANCING UNDER THIS SECTION, THE  
24 PERSON'S SEAFOOD PROCESSING BUSINESS WILL:

25           ~~(I) EMPLOY AT LEAST 15 INDIVIDUALS; AND~~

26           ~~(II) HAVE THE POTENTIAL TO ACHIEVE VIABILITY AS A~~  
27 BUSINESS; AND

28           (4) MEETS ANY OTHER ELIGIBILITY REQUIREMENTS ESTABLISHED BY  
29 THE CORPORATION; AND

30           (5) AGREES TO THE FINANCING TERMS AND CONDITIONS  
31 ESTABLISHED BY THE CORPORATION THAT ARE OTHERWISE IN CONFORMANCE  
32 WITH THIS SECTION.

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

4 (2) THE APPROPRIATION IN PARAGRAPH (1) OF THIS SUBSECTION  
 5 SHALL BE DISTRIBUTED TO A SPECIAL ACCOUNT TO BE USED ONLY TO:

6 (I) PROVIDE LOANS UNDER THIS SECTION; AND

7 (II) PAY THE COSTS NECESSARY TO ADMINISTER AND OPERATE  
 8 THIS SECTION.

9 Article – Natural Resources

10 [4-1019.1.

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

15 4-1019.1.

16 (A) THE DEPARTMENT SHALL PROVIDE ANNUAL GRANTS TO NONPROFIT  
 17 ORGANIZATIONS, COMMUNITY ASSOCIATIONS, RESTAURANTS, AND SEAFOOD  
 18 PROCESSORS AND DEALERS THAT RECYCLE OYSTER SHELLS BY PROVIDING THE  
 19 SHELL TO AN AUTHORIZED SHELL RECYCLING COLLECTOR CERTIFIED BY THE  
 20 DEPARTMENT.

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

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

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

27 (2) GRANTS TO RESTAURANTS AND SEAFOOD PROCESSORS AND  
 28 DEALERS SHALL BE PROVIDED ~~IN THE FOLLOWING AMOUNTS:~~

29 ~~(I) \$100 FOR THE RECYCLING OF AT LEAST 25 BUT LESS THAN~~  
 30 ~~50 BUSHELS OF OYSTER SHELLS IN A YEAR;~~

1 ~~(H) \$250 FOR THE RECYCLING OF AT LEAST 50 BUT LESS THAN~~  
2 ~~100 BUSHELS OF OYSTER SHELLS IN A YEAR;~~

3 ~~(HH) \$500 FOR THE RECYCLING OF AT LEAST 100 BUT LESS THAN~~  
4 ~~250 BUSHELS OF OYSTER SHELLS IN A YEAR;~~

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

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

9 ~~(VI) \$2,000 FOR THE RECYCLING OF AT LEAST 1,000 BUSHELS~~  
10 ~~OF OYSTER SHELLS IN A YEAR AT A RATE OF \$5 PER BUSHEL UP TO A MAXIMUM OF~~  
11 ~~\$2,000 PER YEAR.~~

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

15 (D) (1) THE DEPARTMENT SHALL ADOPT REGULATIONS TO CARRY OUT  
16 THE PROVISIONS OF THIS SECTION.

17 (2) THE REGULATIONS SHALL ESTABLISH ELIGIBILITY CRITERIA AND  
18 PROVIDE FOR THE CERTIFICATION OF NONPROFIT ORGANIZATIONS, COMMUNITY  
19 ASSOCIATIONS, RESTAURANTS, AND SEAFOOD PROCESSORS AND DEALERS TO  
20 VERIFY THE AMOUNT OF OYSTER SHELLS RECYCLED BY EACH ENTITY.

21 (3) THE DEPARTMENT MAY ENTER INTO AGREEMENTS WITH  
22 NONPROFIT ORGANIZATIONS WITH EXPERTISE IN OYSTER SHELL RECYCLING TO  
23 EXECUTE THE PROVISIONS OF THIS SECTION.

24 4-1019.2.

25 (G) THE DEPARTMENT MAY USE THE FISHERIES RESEARCH AND  
26 DEVELOPMENT FUND TO PURCHASE OYSTER SHELLS.

27 4-1102.

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

30 (b) If, after conducting a survey in accordance with subsection (a) of this section,  
31 the Department finds that any natural oyster bar is located incorrectly on existing charts

1 or that the existing charts do not reflect the actual condition of submerged lands, the  
2 Department shall amend the existing charts or coordinates by regulation.

3 (c) (1) BEGINNING IN FISCAL YEAR 2024, THE MARYLAND GEOLOGICAL  
4 SURVEY, IN CONJUNCTION WITH THE UNIVERSITY OF MARYLAND CENTER FOR  
5 ENVIRONMENTAL SCIENCE, SHALL SURVEY SUBMERGED AREAS OF THE STATE TO  
6 MAP EXISTING AND POTENTIAL OYSTER HABITATS IN ACCORDANCE WITH THE  
7 PROVISIONS OF THIS SUBSECTION.

8 (2) IN SELECTING SITES FOR SURVEYING UNDER THIS SUBSECTION,  
9 THE MARYLAND GEOLOGICAL SURVEY AND THE UNIVERSITY OF MARYLAND  
10 CENTER FOR ENVIRONMENTAL SCIENCE SHALL:

11 ~~(I)~~ PRIORITIZE ~~PRIORITIZE:~~

12 ~~1.~~ (I) EASTERN BAY AND ITS TRIBUTARIES; AND

13 ~~2.~~ (II) PUBLIC FISHERY AREAS WHERE THERE ARE LIKELY  
14 TO BE SHALLOWLY BURIED SHELL DEPOSITS FROM PREVIOUS REPLETION  
15 ACTIVITIES, IDENTIFIED IN CONSULTATION WITH THE DEPARTMENT, WHO SHALL  
16 CONSULT WITH COUNTY OYSTER COMMITTEES, AND COMMERCIAL OYSTER  
17 HARVESTERS; ~~AND~~

18 ~~(II) AVOID IMPORTANT FISH SPAWNING AREAS, ESPECIALLY~~  
19 ~~AREAS WHERE STRIPED BASS OR SURGEON ARE KNOWN TO SPAWN.~~

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

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

26 (II) THE GOVERNOR SHALL PRIORITIZE THE USE OF FEDERAL  
27 FUNDS FOR APPROPRIATIONS REQUIRED UNDER THIS PARAGRAPH.

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

29 (a) The University of Maryland Center for Environmental Science shall  
30 collaborate with the Smithsonian Environmental Research Center, the Virginia Institute  
31 of Marine Science, appropriate State and federal agencies, and industry and other  
32 stakeholders to ~~research~~ evaluate:



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

4 (2) the benefits, including habitat-related benefits, of using ~~larger stones~~  
5 ~~versus smaller~~ stones of various sizes in oyster restoration areas;

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

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

11 (5) the effect of spat size upon deployment on oyster abundance.

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

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

19 (d) The evaluations undertaken in accordance with this section shall be conducted  
20 in a manner that is not disruptive to the public oyster fishery, aquaculture, or restoration.

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

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

26 (b) The plan shall include:

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

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

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

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

(5) opportunities for improving the cost-effectiveness of substrate acquisition and use, including opportunities for increasing coordination with the Commonwealth of Virginia, undertaking larger-scale projects to take advantage of economies of scale, and reducing mobilization and demobilization costs.

SECTION 5. AND BE IT FURTHER ENACTED, That:

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

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

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

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

SECTION 6. AND BE IT FURTHER ENACTED, That:

(a) (1) In recognition of the final report, dated December 1, 2021, of the Oyster Advisory Commission's consensus recommendations, over the next 25 years, a combination of replenishment, restoration, and aquaculture activities should be collectively planned and undertaken in Eastern Bay, with an equal amount of funding for spat planting in sanctuaries (\$1,000,000 annually adjusted for inflation) and for spat and shell planting on fishery bars (\$1,000,000 annually adjusted for inflation) in addition to current replenishment and restoration activities.

(2) The effectiveness of the activities under paragraph (1) of this subsection shall be evaluated every 5 years.

(b) To help reach the goals established under subsection (a) of this section, for fiscal years 2024 through 2026, the Governor shall include in the annual operating or capital budget an appropriation of \$2,000,000 for the Department of Natural Resources.

(c) Any funding provided in the operating or capital budgets in accordance with subsection (b) of this section after fiscal year 2026 shall be contingent upon the evaluation provided for in subsection (a)(2) of this section.

SECTION ~~6~~ 7. AND BE IT FURTHER ENACTED, That Section 1 of this Act shall take effect July 1, 2023, and shall be applicable to all taxable years beginning after December 31, ~~2021~~ 2022.

1 SECTION ~~7~~ 8. AND BE IT FURTHER ENACTED, That, except as provided in  
2 Section 7 of this Act, this Act shall take effect July 1, 2022.

Approved:

---

Governor.

---

Speaker of the House of Delegates.

---

President of the Senate.