A Definition of a Natural Oyster Rock

Dexter S. Haven
Virginia Institute of Marine Science

Herbert M. Austin
Virginia Institute of Marine Science

Follow this and additional works at: https://scholarworks.wm.edu/reports

Part of the Aquaculture and Fisheries Commons

Recommended Citation

This Report is brought to you for free and open access by W&M ScholarWorks. It has been accepted for inclusion in Reports by an authorized administrator of W&M ScholarWorks. For more information, please contact scholarworks@wm.edu.
A DEFINITION OF A NATURAL OYSTER ROCK

Prepared for
The Offices of Legislative Services
Virginia General Assembly

By
D. S. Haven, H. M. Austin,
and
W. J. Hargis, Jr.

Virginia Institute of Marine Science
and
School of Marine Science,
The College of William and Mary
Gloucester Point, Virginia 23062

January 9, 1981

Virginia Marine Resources Report #81-2
Mr. Bernie Caton  
Legislative Services  
2nd Floor  
P. O. Box 3-AG  
910 Capitol Street  
Richmond, Virginia 23208  

Dear Bernie:

Just prior to the Christmas holiday you asked Dexter to prepare a definition of a naturally productive oyster bottom. After considerable thought, we arrived at the definition which is enclosed with this letter. As you will see, this definition utilizes concepts derived from our four-year study of Baylor bottoms. This study is now in its final stages. When it is completed copies of the charts showing bottom types, as well as a text discussing other aspects will be forwarded to various State agencies. If desired, copies can be prepared for legislative purposes.

While we believe that the definition submitted to you is accurate, we must point out that we have previously submitted to your office a study entitled, "A Classification of Baylor Bottoms in Virginia." This is dated October 1976. It divides many of the State's Baylor bottoms into five classes, with Class I being the most useful and V being least of value. The option given in this report is that a legislative branch may decide on areas which might be believed in a redefinition of Baylor bottoms.

Perhaps at some future data our definition which is enclosed may be helpful in a further intergradation of these two studies.

If we can be of further help, please let Dexter or me know.

Sincerely,

Herbert M. Austin  
Assistant Director

VIRGINIA INSTITUTE OF MARINE SCIENCE  
SCHOOL OF MARINE SCIENCE  
January 9, 1981
A Definition of a Natural Oyster Rock

by

D. S. Haven, H. M. Austin,
and W. J. Hargis, Jr.

Virginia Institute of Marine Science
and
School of Marine Science,
The College of William and Mary
Gloucester Point, Virginia 23062

January 9, 1981

A natural oyster rock is defined as a productive area of bottom which has a functional set which will support a reasonable level of commercial harvest for market or seed oysters. A set may typically occur each year, but the annual interval between sets may be as long as 15 years. Such bottoms would necessarily have substrate classed as rock, mud-shell, sand-shell or buried shell as defined by the Baylor Ground study to be completed by the Virginia Institute of Marine Science in April 1981.

Moreover, the total volumes of shell, oysters and cinder in the substrate in any designated areas should equal or exceed on the average 10% by volume of the material in the upper five inches of the bottom.