

# Marine Fisheries REVIEW

W. L. Hobart, Editor  
J. A. Strader, Managing Editor



On the cover:  
Fishery observer  
recording data for  
the Atlantic sea scallop,  
*Placopecten magellanicus*,  
dredge fishery. Photo courtesy of  
Northeast Fishery Observer Program



---

## Articles

76(3), 2014

- 
- Federal Fisheries Observer Programs in the  
United States: Over 40 Years of Independent Data Collection *Samantha G. Brooke* 1
- Management of the Oyster Fisheries in Japan's  
Ariake Sea and Maryland's Chesapeake Bay: A Comparison *Momoko Ishikawa and Victor S. Kennedy* 39
- Season and Interannual Changes  
of Indian Oil Sardine, *Sardinella longiceps*,  
Landings in the Governorate of Muscat (the Sea of Oman) *Sergey A. Piontkovski,  
Hamed S. Al-Oufi, and Saud Al-Jufaili* 50
- 

### U.S. DEPARTMENT OF COMMERCE

Penny Pritzker  
Secretary of Commerce

### NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Kathryn D. Sullivan  
Under Secretary for Oceans  
and Atmosphere

### National Marine Fisheries Service

Eileen Sobeck  
Assistant Administrator  
for Fisheries

The Marine Fisheries Review (ISSN 0090-1830) is published quarterly by the Scientific Publications Office, National Marine Fisheries Service, NOAA, 7600 Sand Point Way N.E., Seattle, WA 98115. Annual subscriptions are sold by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. The annual subscription price is \$25.00 domestic, \$35.00 foreign. Single copies are \$9.50 domestic, \$13.30 foreign. New subscriptions may be purchased online at <http://bookstore.gpo.gov/products/sku/703-028-00000-4> or by mail at U.S. Government Printing Office, P.O. Box 979050, St. Louis, MO 63197-9000.

Although the contents of this publication have not been copyrighted and may be reprinted entirely, reference to source is appreciated.

Publication of material from sources outside the NMFS is not an endorsement, and the NMFS is not responsible for the accuracy of facts, views, or opinions of the sources. The Secretary of Commerce has determined that the publication

of this periodical is necessary for the transaction of public business required by law of this Department. Use of the funds for printing this periodical has been approved by the Director of the Office of Management and Budget.

The NMFS does not approve, recommend, or endorse any proprietary product or proprietary material mentioned in this publication. No reference shall be made to the NMFS, or to this publication furnished by the NMFS, in any advertising or sales promotion which would indicate or imply that the NMFS approves, recommends, or endorses any proprietary product or proprietary material mentioned herein, or which has as its purpose an intent to cause directly or indirectly the advertised product to be used or purchased because of this NMFS publication. This issue, volume 76 number3, was printed and distributed in January 2015.

This publication is available online at  
<http://spo.nmfs.noaa.gov/mcontent.htm>