

Marine Fisheries REVIEW

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



On the cover:
Beluga whales, *Delphinapterus leucas*, in Cook Inlet, Alaska. Top photo taken from shore, courtesy of Chris Garner, U.S. Army, Joint Base Elmendorf-Richardson, and bottom photos courtesy of LGL Alaska Research Associates, NMFS General Authorization LOC 481-1795-01 and MMPA-ESA research permit 14210.



Articles	77(1), 2015
Preface	<i>Kim Shelden and Rod Hobbs</i> i
Acoustic Monitoring and Prey Association for Beluga Whale, <i>Delphinapterus leucas</i> , and Harbor Porpoise, <i>Phocoena phocoena</i> , off Two River Mouths in Yakutat Bay, Alaska	<i>Manuel Castellote, Kathleen M. Stafford, A. Darcie Neff, and William Lucey</i> 1
Estimated Abundance and Trend in Aerial Counts of Beluga Whales, <i>Delphinapterus leucas</i> , in Cook Inlet, Alaska, 1994-2012	<i>Roderick C. Hobbs, Kim E. W. Shelden, David J. Rugh, Christy L. Sims, and Janice M. Waite</i> 11
Beluga, <i>Delphinapterus leucas</i> , Ethogram: A Tool for Cook Inlet Beluga Conservation?	<i>Marian Howe, Manuel Castellote, Christopher Garner, Paul McKee, Robert J. Small, and Roderick Hobbs</i> 32
Traditional Knowledge and Historical and Opportunistic Sightings of Beluga Whales, <i>Delphinapterus leucas</i> , in Yakutat Bay, Alaska, 1938-2013	<i>W. G. Lucey, E. Henniger, E. Abraham, G. O'Corry-Crowe, K. M. Stafford, and M. Castellote</i> 41
The Genetic ecology and Population Origins of the Beluga Whales, <i>Delphinapterus leucas</i> , of Yakutat Bay, Alaska	<i>G. O'Corry-Crowe, W. Lucey, F. I. Archer, and B. Mahoney</i> 47
Assessment of Remote Video for Monitoring Beluga Whales, <i>Delphinapterus leucas</i> , of Cook Inlet, Alaska	<i>Lori Polasek, Tamara McGuire, Jill Prewitt, Bonnie Easley-Appleyard, and Leigh Pinney</i> 59
Diet of Beluga Whales, <i>Delphinapterus leucas</i> , in Alaska from Stomach Contents, March-November	<i>Lori T. Quakenbush, Robert S. Suydam, Anna L. Brown, Lloyd F. Lowry, Kathryn J. Frost, and Barbara A. Mahoney</i> 70

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 77 number 1, was printed and distributed in July 2015.

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