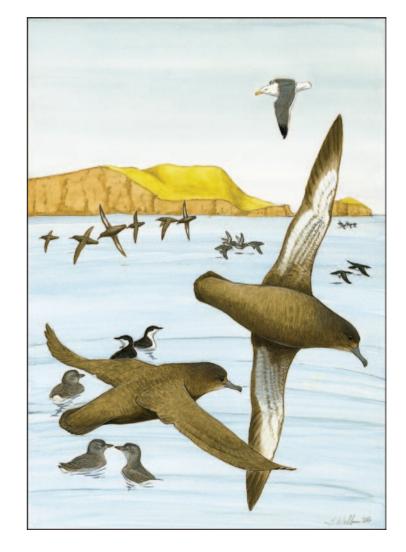
# At-sea Distribution and Abundance of Seabirds

### Mason et al.

## Studies in Avian Biology No. 33

#### AT-SEA DISTRIBUTION AND ABUNDANCE OF SEABIRDS OFF SOUTHERN CALIFORNIA: A 20-YEAR COMPARISON

JOHN W. MASON, GERARD J. McCHESNEY, WILLIAM R. McIVER, HARRY R. CARTER, JOHN Y. TAKEKAWA, RICHARD T. GOLIGHTLY, JOSHUA T. ACKERMAN, DENNIS L. ORTHMEYER, WILLIAM M. PERRY, JULIE L. YEE, MARK O. PIERSON, AND MICHAEL D. McCRARY



Studies in Avian Biology No. 33 A Publication of the Cooper Ornithological Society

#### AT-SEA DISTRIBUTION AND ABUNDANCE OF SEABIRDS OFF SOUTHERN CALIFORNIA: A 20-YEAR COMPARISON

John W. Mason, Gerard J. McChesney, William R. McIver, Harry R. Carter, John Y. Takekawa, Richard T. Golightly, Joshua T. Ackerman, Dennis L. Orthmeyer, William M. Perry, Julie L. Yee, Mark O. Pierson, and Michael D. McCrary



#### **Studies in Avian Biology No. 33** A PUBLICATION OF THE COOPER ORNITHOLOGICAL SOCIETY

Cover painting (seabirds off southern California) by Sophie Webb

#### STUDIES IN AVIAN BIOLOGY

Edited by

Carl D. Marti 1310 East Jefferson Street Boise, ID 83712

Spanish translation by Cecilia Valencia

*Studies in Avian Biology* is a series of works too long for *The Condor*, published at irregular intervals by the Cooper Ornithological Society. Manuscripts for consideration should be submitted to the editor. Style and format should follow those of previous issues.

Price \$15.00 including postage and handling. All orders cash in advance; make checks payable to Cooper Ornithological Society. Send orders to Cooper Ornithological Society, % Western Foundation of Vertebrate Zoology, 439 Calle San Pablo, Camarillo, CA 93010

#### Permission to Copy

The Cooper Ornithological Society hereby grants permission to copy chapters (in whole or in part) appearing in *Studies in Avian Biology* for personal use, or educational use within one's home institution, without payment, provided that the copied material bears the statement "©2007 The Cooper Ornithological Society" and the full citation, including names of all authors. Authors may post copies of their chapters on their personal or institutional website, except that whole issues of *Studies in Avian Biology* may not be posted on websites. Any use not specifically granted here, and any use of *Studies in Avian Biology* articles or portions thereof for advertising, republication, or commercial uses, requires prior consent from the editor.

#### ISBN: 9780943610726

Library of Congress Control Number: 2006939826 Printed at Cadmus Professional Communications, Ephrata, Pennsylvania 17522 Issued: 14 March 2007

Copyright © by the Cooper Ornithological Society 2007