MATTHEW HOMMEYER

USF College of Marine Science, 140 7th Ave S, St. Petersburg, FL 33701 | (813) 277-8313 | mhommeyer@mail.usf.edu

EDUCATION

Middlebury College (Middlebury, VT)
Bachelor of Arts **2002**
Major: Geology
Thesis: "Global climate change during the Late Quaternary as recorded in the Svenner Channel, Prydz Bay, East Antarctica"

PROFESSIONAL EXPERIENCE

University of South Florida, College of Marine Science
Research Engineer **2019 – Present**
Project Scientist **2015 – 2018**
Responsible for planning and execution of all marine survey operations for multiple projects in the Gulf of Mexico and the Bahamas funded by National Fish and Wildlife Foundation, National Oceanic and Atmospheric Administration, Office of Naval Research, and private industry partners. Sailed as chief scientist on thirteen research cruises and as lead multibeam scientist on nine research cruises.

Holguin, Fahan & Associates / URS Corporation / Terra Environmental Services
Assistant Geologist / Geologist / Senior Scientist **2003 – 2015**
Experience in environmental assessment and engineering, complex field investigations, remediation design and implementation, and strategic analysis.

Fugro West
Marine Survey Technician **2002 – 2003**
Performed data acquisition and management for geophysical surveying and mapping projects in both marine and terrestrial environments throughout California and Baja, Mexico. Experience with multibeam echosounder, sidescan sonar, CHIRP sonar, shallow seismic surveys, differential GPS surveys, submarine camera systems, piston coring, vibracoring, and towed instrument arrays.

Middlebury College
Sidescan Sonar Operator **1999 – 2000**
Shipboard data acquisition and management for Lake Champlain Sidescan Survey project. Additional experience with ADCPs, SOFAR/RAFOS floats, and submarine camera systems.

SELECTED PUBLICATIONS AND PRESENTATIONS

Xie, Surui, J. Law, R. Russell, T. H. Dixon, C. Lembke, R. Malservisi, M. Rodgers, G. Iannaccone, S. Guardato, D. F. Naar, D. Calore, N. Fraticelli, J. Brizzolara, J. W. Gray, **M. Hommeyer**, and J. Chen "Seafloor geodesy in shallow water with GPS on an anchored spar buoy"
Journal of Geophysical Research-Solid Earth, DOI: 10.1029/2019JB018242 2019

Gray, J., J. Brizzolara, S. Locker, G. Brooks, **M. Hommeyer**, R. Larson, S. Grasty, C. Lembke, and S. Murawski, *Associating Benthic Habitats with the Geomorphology and Depositional History of Bathymetric Features on the West Florida Shelf*
American Geophysical Union (AGU) fall meeting 2018

Hommeyer, M., J. Brizzolara, H. Broadbent, S. Grasty, J. Gray, E. Hughes, A. Ilich, C. Lembke, S. Locker, A. Silverman, and S. Murawski, *Mapping benthic habitat and fish populations on the West Florida Shelf: C-SCAMP Progress and Promise*
GeoHab annual international conference 2018

Brizzolara, J., J. Gray, S. Locker, G. Brooks, **M. Hommeyer**, R. Larson, C. Lembke, S. Grasty, and S. Murawski, *Mapping and Characterization of Paleoshoreline Features on the West Florida Shelf*
American Geophysical Union (AGU) fall meeting 2017

Hommeyer, M., S. Grasty, C. Lembke, S. Locker, J. Brizzolara, J. Gray, E. Hughes, A. Ilich, and S. Murawski, *Mapping benthic habitat and fish populations on the West Florida Shelf: Integration of marine acoustics and towed video technologies*
GeoHab annual international conference 2017

Hommeyer, M. and S. Grasty, *Benthic Habitat Mapping on the West Florida Shelf: Integration of Multibeam Sonar and Other Technologies*
SouthEast Acoustics Consortium biennial workshop 2016

TEACHING EXPERIENCE

Middlebury College
Teaching Assistant **1999 – 2001**
Graded written work and exams and supported shipboard laboratory sessions for "Marine Geology" and "Introduction to Oceanography". Labs included operation of single-beam echosounder, CTD, piston coring, and ROVs.

AWARDS

Antarctic Service Medal, National Science Foundation grant no. NSF-OPP 9909793 2001
HHMI Research Fellow 1999 – 2000