

Qualifications Summary

- Marine benthic habitat specialist, including shellfish, submerged aquatic vegetation, fisheries habitat, and benthic infauna sampling and speciation
- Participation in several deep-sea cruises since 1961 in the North, South Atlantic, and South Pacific collecting benthic organisms. Total accumulated sea time on oceanographic cruises in excess of 2 years. Scope of work involved construction of sampling and deck gear, travel and shipping logistics, sampling plans and sample and data handling and processing
- Analysis of deep-sea benthic samples, microphotography of deep-sea benthic invertebrates; effects of oil spills on the marine benthic environment including erosion studies, construction and design of benthic dredging equipment; research on local bay scallops - growth and reproduction studies
- Minerals Management Service: biological monitoring program for Georges Bank, monitoring study of biological processes on the U.S. North Atlantic Slope and Rise; served as Chief Scientist for several of these MMS cruises for WHOI
- Cape Cod Bay Material Disposal Site Designation study; cruise leader in field collections and data assimilation of fish collections and benthic samples for draft report

GEORGE R. HAMPSON, B.S.

Marine Biologist/Oceanographer Emeritus

Professional Affiliations

Friends of the Mashpee National Wildlife Refuge (Board of Directors)

The Coalition for Buzzards Bay (Board of Advisors)

New England Estuarine Research Society

Editorial Board for Environment Cape Cod

The 300 Committee Land Trust (Board of Advisors)

Member - Falmouth Coastal Pond Management Committee

Member - Barnstable County Coastal resources Committee

Higher Education

B.S., Northeastern University (1960)

Employment History

2000-Present Woods Hole Group, Inc.

1997-Present School of Marine Science & Technology, University of Massachusetts Dartmouth - Senior Research Associate, Benthic Biology

1997-Present Woods Hole Oceanographic Institute, Oceanographer Emeritus

1997-Present Sea Lab – New Bedford Public Schools - Volunteer/Advisor

1985-1990 Woods Hole Oceanographic Institution, Manager of Marine Personnel

1980-1997 Woods Hole Oceanographic Institution; Research Specialist

1966-1980 Research Associate

1961-1965 Army and Navy Reserves

1960-1961 U.S. Army Active Duty

1956-1958 Woods Hole Oceanographic Institution, Research Assistant.

Key Projects

Massachusetts Estuaries Project for the University of Massachusetts Dartmouth – School of Marine Science and Technology (1997–2005)

Peconic Estuary-Benthic Flux Studies

2-year study (1994-1995)

Deep sea box coring off San Francisco for the Army Corp. of Engineers & DOD

Monitoring deep-sea disposal site (1996–1997)

Benthic sampling for the MWRA

Boston Harbor pre Outfall Monitoring (1995-1997)

Research trip to United Emirates, Arabian Gulf

Monitoring project for Zadco Oil Company of Abu Dhabi. Collected benthic samples for fate and effects from oil production oil fields. Report issued by Aubrey Consulting 1997

Expedition to Antarctica with the U.S. Antarctic Program under the auspices of the National Science Foundation.

Conducted ice drilling, field sampling, and biogeochemistry of Lake Fryxell an isolated freshwater lake (1992-1994)

Cape Canaveral, recovery of lost solid fuel particles from McDonald Douglas Delta rocket that exploded in mid air.

Expertise required checking benthic invertebrates, bottom fish, and sea turtles. SAIC grant funded WHOI research

Awarded Massachusetts Aquaculture Grant “Submerged Coastal Offshore Mussel Aquaculture System

Biological Aspects of Suspended Near Bottom Growth within the benthic turbidity zone (BTZ). G. Hampson, W. Paul, P. Hoagland and H. Kite Powell

Several shellfish and vascular plants surveys completed on Cape Cod for Woods Hole Group, Inc.

Fulfill State and local EIR’s for dock and pier installations, beach nourishment projects, and post dredge spoil disposal assessments

Deer Island sewage treatment facility, Boston

Shellfish assessment for pre-beach nourishment and revetment modification for EIS

Oil impact study on salt marsh located in Winsor Cove, Bourne, MA.

20 year study on recovery of salt march exposure to #2 fuel

Benthic survey and fish population study of Hummock Pond, Nantucket, MA.

For Nantucket Land Council, Inc.

Key Projects (continued)

Nantucket Harbor Study

Study of Sub-Aquatic Vegetation (SAV) with the Massachusetts Department of Environmental Protection Agency

Benthic algal monitoring at the Pilgrim Nuclear Power Station

Seasonal assessment (1989-1998)

Popponesset Bay Study

Water quality and benthic habitat monitoring for the Town of Mashpee. Brian Howes PI; School for Marine Science & Technology (SMAST)-University of MA Dartmouth (1998-Present)

Three Bays Preservation

Access impacts of fine grained dredging material on local shellfish grants and benthic communities in West Bay for SMAST (UMA Dartmouth) (1988-1999)

Scientific Advisory Board for Sea Labs of New Bedford

Member of the NER-COSEE Ocean Science Education Institute. Researching the educational curriculum needs of middle school teachers to better teach marine science

Publications and Presentations

Publications involving benthic population dynamics and pollution monitoring:

- 2000 Howes, B.L., G.R. Hampson. Water Quality and Habitat Health of the Three Bays Estuarine System: Progress Report from the 1999 Field Season Technical Report Coastal Systems Program Center for Marine School & Technology; University of Massachusetts Dartmouth.
- 2000 Hampson, G.R. Final Report: Testing of DVO Chaff on the Health of Marine Benthic Communities Woods Hole Oceanographic Institution Technical Report.
- 2000 Hampson, G.R. Destruction and Recovery of the Winsor Cove, Cataumet Salt Marsh 25-Year History. Environment Cape Cod. Vol. 1 No.
- 1999 Howes, B. L., K. Smith & G. R. Hampson. Progress Report: West Falmouth harbor: Falmouth Disposal System on the Water Quality and Health of West Falmouth Harbor.
- 1997 B. Howes, et al. WHOI Blue cover, final Report Nantucket Harbor Study: A quantitative Assessment of the environmental Health of Nantucket harbor for the Development of a Nutrient Management Plan.

Publications and Presentations (continued)

- 1987 Hampson, G.R. Introduction to the Scope and Severity of Coastal Degradation. Testimony before the Subcommittee on Fisheries and Wildlife Conservation and the Environment of the Committee on Merchant Marine and Fisheries; House of Representatives Statement of George R. Hampson, November 18, 1987. U.S. Government Printing Office Ser. No. 100-42:57-67.
- 1980 Sanders, H.L., J.F. Grassel, G. R. Hampson, L. Morse, and S. Garner Price. Anatomy of an oil spill: long-term effects from the grounding of the barge FLORIDA off West Falmouth, Massachusetts. *Jour. Mar. Res.* 38(2):265-380.
- 1978 Hampson, G.R. and E.T. Moul. No. 2 fuel oil spill in Bourne, Massachusetts: immediate assessment of the effects on marine invertebrates and a 3-year study of growth and recovery of a salt marsh. *Jour. Fish. Res. Bd. Canada* 35(5):731-744.
- 1977 Hampson, G.R. and E.T. Moul. Salt marsh grasses and #2 fuel oil. *Oceanus* 20(4):25-30.
- 1972 Sanders, H.L., J.F. Grassle, and G.R. Hampson. The West Falmouth Oil Spill./ WHOI Ref. No. 72-20.
- 1971 Blumer, M., H. L. Sanders, J.F. Grassle, and G.R. Hampson. A small oil spill. *Environment* 13(2):1-12.
- 1965 Sanders, H.L., E. M. Goudsmit, E.L. Mills, and G. R. Hampson. A study of the intertidal fauna of Barnstable Harbor, MA.
- 1965 Sanders, H.L., R.R. Hessler, and G.R. Hampson. An introduction to the study of deep-sea benthic faunal assemblages along the Gay Head-Bermuda transect. *Deep-Sea Res.* 12:845-867.

Selected publications: More than 23 published papers as author or co-author and a contributor in several reports on Deep Sea and Coastal Community Studies for Science Application International Corporation (SAIC), Woods Hole Group, Inc., and SMAST (UMA Dartmouth).