



JOHN H. RYTHER, JR.

CR Environmental, Inc., 1994 to Present

Years with Other Firms: 16

PROJECT MANAGER

MARINE ECOLOGIST

HYDROGRAPHIC SURVEYOR

MASTER DIVER

BIOLOGICAL OCEANOGRAPHER

AREAS OF SPECIALIZATION

- Ship Operations/ Licensed Vessel Captain
- Hydrographic & Geophysical Surveys (side-scan sonar, magnetometer, bathymetric)
- Sediment & Surface Water Sampling
- ROV Surveys and Underwater Video Operations
- Oceanographic Mooring Operations

EDUCATION

1997-Present OSHA 40-Hour Health and Safety Training and refresher courses, First Aid and CPR
 1991 EPA/NOAA Diving Certification; Hyperbarics International Nitrox Diving Certification
 1986 U.S. Coast Guard 100 ton Near Coastal Motor Vessel License
 1978 NAUI Diving Instructors Course, Rockport, MA - No. 5110
 1974 B.S., Journalism/Biology, Syracuse University

PROFESSIONAL SOCIETIES/AFFILIATIONS

American Association of Underwater Scientists
 National Association of Underwater Instructors
 Board Member -Marine & Oceanographic Technology Network
 Estuarine Research Federation
 Marine Technology Society
 Hydrographic Society of America

WORK HISTORY

CR Environmental, Inc., Falmouth, MA	Manager Oceanographic Operations	1994 - present
Minnow Diving, Inc., Falmouth, MA	President/Owner	1994 - present
TG&B Marine Services, Inc., Falmouth, MA	Treasurer/Co-Owner	1987 - 1994
Battelle Ocean Sciences, Duxbury, MA	Program Manager	1990 - 1993
EG&G, Waltham, MA	Operations Manager	1979 - 1990
Marine Biological Laboratory, Woods Hole, MA	Diver/Field Biologist/Captain	1975 - 1979

SUMMARY OF PROFESSIONAL EXPERIENCE

Mr. Ryther has over 20 years of experience providing project management and technical field support on oceanographic, geophysical and ocean engineering projects. He has participated on a number of large government funded and commercial oceanographic measurement programs world-wide and has extensive knowledge of oceanographic instrumentation, mooring and platform designs, and field deployment techniques. He has considerable shipboard experience and holds a U.S.C.G. 100-ton Near Coastal Motor Vessel License. Studies frequently involve the sampling of sediment, surface water, fish and other aquatic organisms, and the development of bathymetric, side-scan and sub-bottom imagery. His extensive writing, reporting, and photographic skills have enabled him to author or co-author a number of technical reports, proposals and publications.

RELEVANT PROJECT EXPERIENCE

- Diver and field biologist for an EPA/ACOE artificial reef study in Delaware Bay
- 1996 - 1997, managed a NOAA Fishing Industry Grant for the training of fishermen and conversion of their fishing vessels for oceanographic research; 2000 – present, managing NOAA contract to study otter trawl effects on soft bottom habitat in the Gulf of Maine.
- Tasks manager for MWRA sewer outfall monitoring study; managed 16 cruises in outer Boston Harbor, Cape Cod Bay and Massachusetts Bay.
- New York - CR Program manager for Mamaroneck Harbor pre-dredging geophysical survey and for Jamaica Bay Seabed Classification Survey
- Video sled surveys of borrow pits outside New York Harbor and Boston Harbor Confined Disposal Cells
- Field manager for numerous vibro-coring, grab sampling, box coring, piston coring and geophysical surveys at the New Bedford Harbor Superfund Site 1999 – 2001.

CONTRIBUTED POSTERS

- 2002 USGS, NOAA, ASF and ESA Symposium on the Effects of Fishing Activities on Benthic Habitats: Linking Geology, Biology, Socioeconomics and Management, Tampa, FL
“*Effects of Smooth Bottom Trawl Gear on Soft Bottom Habitat*” Cogswell, C., B. Hecker, A. Michael, F. Mirarchi, J. Ryther, Jr., D. Stevenson, R. Valente, and C. Wright

CONTRIBUTED PAPERS

- 2001 CZM Gulf of Maine Marine Habitat Conference
“*Near Term Observations of the Effects of Smooth Bottom Net Trawling on the Seabed NOAA/NMFS Cooperative Research Project*”. CR Environmental, Inc. and Boat Kathleen A. Mirarchi, Inc. Sebasco, ME
- 1998 Dredging Conference, Los Vegas, Nevada
“*Monitoring Results from the First Boston Harbor Navigation Improvement Project Confined Aquatic Disposal Cell*”. P.M. Murray, T.J. Fredette, P.E. Jackson, S.H. Wolf and J.H. Ryther, Jr.
- January 1998 Invited by New York Sea Grant to speak at the East Coast Commercial Fisherman’s and Aquaculture Trade Show, Ocean City, Maryland
“*Use of Fishing Vessels for Oceanographic Survey*” J.H. Ryther, Jr.
- October 1997 Oceans 97, Halifax, Nova Scotia
“*Conversion of Fishing Vessels and Training of Fishermen for Oceanographic Surveys, Research and Resource Assessment*.” J.H. Ryther, Jr. and C.M. Cogswell.

PUBLICATIONS

- Ryther, J.H., Jr., S.G. Harris and C.F. Wright. May 1998. New York Catskill Reservoir Surveys - Application of Marine Technology to Freshwater Reservoirs; Surveys of and Bottom Samples from Seven Reservoirs Obtained. Sea Technology.
- Ryther, J.H., Jr., R.S. Lane and F. Mirarchi. 1996. Fishing Vessels Successfully Used for Oceanographic Surveys. Sea Technology.
- Ryther, J.H., Jr., S. McDowell and C.S. Albro. 1991. Mini-BOSS: Portable Sewage Effluent Monitoring System for Boston Harbor - integrated profiling system for Boston Harbor. Sea Technology.
- Ryther, J.H., Jr., D.B. Harris, John P. Fish. 1990. Putting ROVs to Work Investigating Shipwrecks. Sea Technology.
- Magnell, B.A., C.L. Greengrove, J.H. Ryther, Jr., and C.D. Winant. 1988. Real-time Data Telemetry Northern California Coastal Circulation Study. Argos, 37, pp. 7-11.
- Ryther, J.H., Jr., B.A. Magnell, C.L. Greengrove, and C.D. Winant. 1988. Real-time Data Telemetry. Sea Technology, 29:8, pp. 10-16.
- Menzie, C.A., J.H. Ryther, Jr., L.F. Boyer, J.D. Germano, and D.C. Rhoads. 1982. Remote methods of mapping seafloor topography, sediment type, bedforms and benthic biology. In: Oceans '82 Conference Record, pp. 1046-1051 IEEE Catalog Number 82CH1827-5.
- Menzie, C.A., G.M. Mariani, and J.H. Ryther, Jr. 1981. Seafloor Mapping System Applied to Biological, Environmental Surveys. Sea Technology 22(2): 15-16.