



ANDREW SPINALE

CR Environmental, Inc., 1996 to present
 Years with Other Firms: 4

**GEOLOGICAL TECHNICIAN
 LICENSED CAPTAIN
 SCIENTIFIC DIVER
 FISHERY BIOLOGIST**

AREAS OF SPECIALIZATION

- Licensed Vessel Captain
- Navigation/Survey Equipment Operation
- Marine Fisheries
- Research Diving
- Coring/Sediment Sampling

EDUCATION

1997 Cornell University, Graduate course work in Aquaculture Water Reuse Systems
 United States Coast Guard 50-ton near coastal Motor Vessel Captain's License
 Professional Association of Diving Instructors (PADI) Certification
 40-hour OSHA HAZWOPER certification & refreshers, STCW Certification
 Standard First Aid and Adult CPR Certification

1991-1995 University of Rhode Island, Bachelor of Arts, Marine Affairs, Coastal Resource Management

WORK HISTORY

Steamboat Wharf, Hull, MA Co-Owner	2001-present
Aquamarine Services, Hull, MA principal mooring operations	1999 - present
CR Environmental, Inc., Falmouth, MA consultant/captain	1996 - present
National Oceanic and Atmospheric Administration/NMFS, Gloucester, MA	1996 - 2000
Aquamarine Mooring Services, Hull, MA	1992 - present
E3I Environmental Laboratory, Somerville, MA	1995 - 1996
National Oceanic and Atmospheric Administration (NOAA)	1994 - 1995
Windemere Fisheries, Hull, MA	1990 - 1995

RELEVANT PROJECT EXPERIENCE

- Fisheries Research Associate aboard the R/V Albatross IV in a winter ground trawl survey of Southern New England and Georges Bank, dissecting various species of ground fish to examine food habits and identify age, sex, and maturity. In charge of fish trawl and by catch quantification and stomach contents.
- Grants Program Consultant administering financial assistance program for which federal funds are made available to states and other non-federal interests for carrying out projects that relate to the conservation, management, and utilization of fishery resources in the Northwest Atlantic.
- Mate and navigator aboard the F/V *Christopher Andrew*, F/V *Andrea J.* and the R/V *Aquamonitor* during the Massachusetts Water Resources Authority (MWRA) benthic and water quality surveys for the Boston Harbor and Outfall Monitoring Program. Currently sampling continuing CSO monitoring work in Dorchester Bay for Metcalf & Eddy with his vessel, the 36 ft R/V *Sakonnet*. The *Sakonnet* is a modified lobster boat available for harbor mooring work, and oceanographic survey, coring and sampling operations through CR Environmental.
- Biological/Environmental/Geological Technician or Captain/Navigator CR's 32-ft R/V *Cyprinodon*, on sediment sampling, coring, and plankton studies throughout New England and New York including New Bedford Harbor Superfund Site, East River, NY and Electric Boat Facilities, Long Island Sound.
- Performs underwater inspection, mooring repair and research diving. Diving support included sediment probing and video support on a fiber optic cable route survey at several sites off Long Island, NY.



- Provided vessel support for the 25-mile gas pipeline from Beverly to Weymouth, MA for marine mammal observations during blasting activities.