



**CHARLOTTE M. COGSWELL**  
 CR Environmental, Inc., President 1994 to Present  
 Years with Other Firms: 15

**PROJECT MANAGER**  
**SENIOR WETLAND ECOLOGIST**  
**ENVIRONMENTAL RISK ASSESSOR**  
**PERMIT PREPARATION**  
**EDITOR/WRITER**

**AREAS OF SPECIALIZATION**

- Wetland Delineation/ Habitat Assessment, Replication & Restoration
- Environmental Permits and Impact Reports
- Estuarine/Limnological Studies/ Eutrophication
- Ecological Risk Assessment

**EDUCATION**

1988-Present OSHA 40-hr Health & Safety Training and annual 8-hr Refresher Courses  
 1979-1993 M.A. Ecology, Ph.D. candidate Plant Ecology, University of Connecticut, minor Statistics  
 1987 HEP Certification, U.S. Fish and Wildlife Service  
 1982 Tropical Biology, Organization for Tropical Studies, Costa Rica  
 1978 NAUI scuba diving certification  
 1976-77 Marine Chemistry, Bridgewater State Univ.; Marine Ecology, Boston Univ., M.B.L., Woods Hole  
 1971-75 B.A. Botany, University of Vermont

**PROFESSIONAL SOCIETIES/AFFILIATIONS**

American Institute of Biological Sciences	Marine & Ocean Technology Network
Boston Risk Assessment Group	Society of Wetland Scientists
Estuarine Research Federation	Society for Ecological Restoration
Society of Environmental Toxicology and Chemistry	Mass. Association of Conservation Commissioners
Association of Massachusetts Wetlands Scientists	Massachusetts LSP Association

**WORK HISTORY**

Owner and President, CR Environmental, Inc., Falmouth, MA	1994-present
EMCON/IT Corporation, Andover, MA	1994-2001
CRJ Ecological Services, Boston, MA	1993-2001
E.G.& G. W.A.S.C., Waltham, MA at Super Conducting Super Collider, TX	1992-1994
GZA GeoEnvironmental, Inc., Newton Upper Falls, MA	1988-1992
Sanford Ecological Services, Natick, MA	1985-1988
B.U. Marine Program, Marine Biological Laboratory, Woods Hole, MA	1975-1979

**RELEVANT WORK EXPERIENCE**

- Owner and President of CR Environmental, Inc., an ecological and oceanographic consulting firm certified as a WBE in MA and NY. Ms. Cogswell's graduate studies were in salt marsh plant ecology and since graduate school she has held professional positions with geotechnical, environmental, and landscape architect firms where she served or serves as a senior ecologist/consultant in the areas of wetland assessment, delineation, permitting, ecological risk, habitat restoration and monitoring. She has prepared or managed the preparation of a number of Environmental Assessments/Impact Evaluations, and Environmental Permit applications for federal, state, local and private organizations including the Federal Bureau of Prisons, Ft. Devens, MA; the U.S. Fish & Wildlife Service, Parker River Headquarters, MA; the CT Department of Transportation Route 6 & I-91; GTE Products, Salem, MA; schools in Medford, Auburn and Worcester, MA, and for MDC parks on the Charles and Neponset Rivers, MA.
- As a Consultant to the New England Division of the U.S. Army Corps of Engineers her projects included wetland restoration monitoring at the Nyanza Superfund site in Ashland, MA; a wetland assessment of proposed sites for the disposal of PCB-contaminated sediment within a salt marsh area of the New Bedford, MA, Inner Harbor; functional evaluation of 22 wetlands along a 12 mile proposed Central Connecticut Expressway in Bolton, Coventry, and Andover; a 401(b)(1) evaluation for proposed dredging of Winthrop Harbor, MA; and beach nourishment projects.
- She has served as project Ecologist assessing sediment quality at the Cape Cod Disposal Site for MADEM and mercury in Quabbin and Wachusett Reservoir fish for MDC; conducted a nearshore epifauna survey and developed a landscape plan for the closed McAllister Point Landfill, Narragansett Bay, RI; conducted ecorisk assessments/site

characterizations at RCRA facilities, a number of General Dynamic facilities in CT, and the Plainville Landfill, MA for a MADEP submittal; and restored and/or monitored wetlands in Braintree, Dedham and Ashland, MA.

#### INVITED LECTURES

- 1999/2000 Build Boston Architecture Society  
World Trade Center, Boston, Massachusetts  
*"Understanding Site Development Permitting"*
- 1990 Massachusetts Association of Land Surveyors and Civil Engineers, Inc.,  
Plymouth Plantation, Massachusetts  
*"Potential effects of development on the coastal zone."*
- 1984 Marine Biological Laboratory, Ecosystems Center, Woods Hole, Massachusetts  
*"Herbivory in New England salt marshes"*
- 1981-83 Marine Biological Laboratory, B.U.M.P./W.H.O.I.,  
Woods Hole, MA  
*"The effect of fertilization and herbivory on salt marsh vegetation"*  
*"Interactions of a herbivorous beetle and salt marsh chenopods"*  
*"Salt marsh plant populations"*

#### 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
- 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

#### CONTRIBUTED PAPERS

- 1997 Oceans 97, Halifax, Nova Scotia  
*"The Conversion of Fishing Vessels and Training of Fishermen for Oceanographic Surveys, Research and Resource Assessment"*
- 1984 Ecological Society of America/A.I.B.S., Colorado State University, Fort Collins, CO  
*"The influence of elevation, competition, and herbivory on the distribution of salt marsh chenopods"*
- 1983 New England Estuarine Research Society, Portland, ME and Estuarine Research Federation, Virginia Beach, VA  
*"The importance of herbivory and plant competition in structuring a New England salt marsh"*
- 1983 Ecological Society of America/A.I.B.S., University of North Dakota, Grand Forks, ND  
*"The influence of soil nitrogen, herbivory, and plant competition on secondary succession in a New England salt marsh"*
- 1982 Population Biologists of New England, W.H.O.I., Woods Hole, MA
- 1981 Population Biologists of New England, Clark University, Worcester, MA  
*"Interaction of the herbivore Erynephala maritima with salt marsh chenopods"*

#### AWARDS

First Ketchum Award, New England Estuarine Research Society, 1983.

## **PUBLICATIONS**

- Valiela, I., J.M. Teal, C.M. Cogswell, J. Hartman, S. Allen, and R. Van Etten. 1985. "Some long-term consequences of sewage contamination in salt marsh ecosystems." In: Ecological considerations in wetlands treatment of municipal wastewaters. Eds. P.J. Godfrey, E.R. Kaynor, S. Pelczarski and J. Benforado. Van Nostrand Reinhold Company, NY.
- Schatz, G.E., G.B. Williamson, C.M. Cogswell, and A.C. Stam. 1985. "Stilt roots and growth of arboreal palms." *Biotropica* 17 (3).
- Valiela, I., J.M. Teal, S.B. Volkmann, C.M. Cogswell, and R. Harrington. 1980. "On the measurement of tidal exchanges and groundwater flow in salt marshes." *Limnology and Oceanography* 25 (1): 187-92.