

# Scott Goddard, M. Eng., PWS, CWS

*Principal and Professional Wetland Scientist*

GODDARD CONSULTING, LLC  
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## EXPERIENCE 2011 - present

**GODDARD CONSULTING, LLC.** Northborough, MA  
*Principal and Professional Wetland Scientist*

- Own and manage a small consulting firm with 5-10 employees.
- Manage regular workload of over 200 wetland related projects ranging in size from single-family properties to 200+-acre developments.
- Proficient in field delineation of wetland resource areas, ecological and endangered species services, erosion control practices, hydrological analyses, and regulatory/permitting intricacies

## 2005 - 2011 1995 - 2005

**CARR RESEARCH LABORATORY, INC.** Natick, MA  
*Senior Ecological Engineer and Project Manager*  
*Ecological Engineer*

- Routinely managed between 30 and 50 projects (size from \$500 to \$250,000)
- Trained junior employees

### **ECOLOGY**

- Vegetation surveys, wildlife surveys, and habitat field studies
- Vernal pool determinations, biological surveys, and certifications
- Rare plant and animal field surveys and habitat studies
- Conservation Permits for Massachusetts Endangered Species Act (MESA)

### **WETLANDS**

- Wetland resource area delineations and resource management (inland and coastal)
- Design and implementation of wetland creation and restoration plans
- Cranberry bog management plans
- Lake and pond management (physical, biological, and chemical)
- Water quality studies
- Obtained municipal, state, and federal permits and present projects public hearings

### **HYDROLOGY & HYDRAULICS**

- Performed complex hydrology calculations for a variety of proposed land use changes
- Erosion control practices on large and complex sites
- Floodplain determinations
- Performed groundwater hydrology calculations to predict contaminant flow path
- Designed detention basins, infiltration trenches, and other stormwater runoff structures including Best Management Practices (BMPs)
- Sediment transport studies
- Hydraulic analysis of streams and stream channel design
- Water resource management
- Groundwater withdrawal studies
- Surface/ground water monitoring, sampling, and testing. Analysis of chemical data

### **GEOLOGY & SOIL SCIENCE**

- Chapter 21E hazardous waste site investigations including collection of soil and water samples
- Sieve analyses
- Permeability and percolation testing

## EDUCATION

**MASSACHUSETTS INSTITUTE OF TECHNOLOGY** Cambridge, MA  
***Master of Engineering: Water Quality Engineering***  
GPA: 4.6/5.0; June, 1997

Classes concentrated on environmental chemistry, chemical/physical/biological interactions in the natural environment, and contaminant movement. Classes included: Aquatic Chemistry, Environmental Organic Chemistry, Environmental Microbiology, Chemical Fate and Transport, and Groundwater Hydrology.

***Master's Thesis*** - Investigated the ecological effects (chemical/physical/biological) on an oligotrophic Cape

Cod kettle pond caused by the upgradient inflow of carbon-treated groundwater with altered chemical properties.

**MIT SLOAN SCHOOL OF MANAGEMENT** Cambridge, MA  
Classes in Strategic Management, Consulting, and Marketing Management

**WORCESTER POLYTECHNIC INSTITUTE** Worcester, MA

***Bachelor of Science: Civil and Environmental Engineering***

GPA: Overall = 3.77/4.0; Major = 4.0/4.0; High Distinction: May, 1996

Advanced classes included: Surveying, Environmental Engineering, Urban & Environmental Planning, Water Treatment, Wastewater Treatment, Hydraulics, Sanitary Engineering Lab, Hydrology, Open Channel Hydraulics, Stream, Lake, & Estuarine Analysis, and Hazardous Waste: Containment, Treatment, & Prevention.

***Undergraduate Thesis*** - 3D GROUNDWATER MODELING - Modeled groundwater flow through extraction wells, and examined the effects of heterogeneous hydraulic conductivity on capture zones of Pump and Treat systems. This project was presented a 1<sup>st</sup> place award within department.

***Research Project*** - SOLID WASTE MANAGEMENT AND RECYCLING - Comprehensively analyzed the state of recycling in Massachusetts, defined state of the art techniques, and suggested strategies for improvement to the Massachusetts Department of Environmental Protection (DEP). This project was awarded 1<sup>st</sup> place in a regional Earth Day competition.

**SPECIAL  
TRAINING**

- Numerous special training courses in botany, soil science, erosion control, wildlife ecology, and related matters.

**CERTIFICATIONS**

- E.I.T./F.E. (MA Certificate #16489)
- Certified Soil Evaluator, Massachusetts Department of Environmental Protection (SE #893)
- Certified Wetland Scientist, New Hampshire Joint Board of Licensure (NH Certificate #023)
- Professional Wetland Scientist, Society of Wetland Scientists (PWS #001856)
- Massachusetts Real Estate Salesperson (License #009519255)

**MEMBERSHIPS**

- Association of Massachusetts Wetland Scientists (AMWS)
- Massachusetts Association of Conservation Commissioners (MACC)
- New Hampshire Association of Natural Resource Scientists (NHARS)
- Society of Wetland Scientists (SWS)