DIANA BRENNAN

EDUCATION

University of Rhode Island, B.S. Environmental Science & Management, 2002.

Ms. Brennan is an Environmental Scientist with Mason & Associates, Inc., specializing in wetland science, geographic information system (GIS) analysis. She has applied her experience to various multidisciplinary projects, providing research, wetland delineation, mapping, technical writing, and regulatory compliance construction inspection. Ms. Brennan is a registered Wetland Scientist with the Rhode Island Association of Wetland Scientists.

REPRESENTATIVE EXPERIENCE

Wetland Delineation & Mapping – RI/CT/MA: Ms. Brennan is experienced in field delineation of wetland boundaries in accordance with state and federal procedures. She specializes in GIS, and creates maps of site aerial photography and soils in preparation for field delineation. Field work includes flagging of the wetland edge, field documentation of vegetation, soils and hydrology, and the preparation of state and federal data plots. She is also experienced in aerial photograph interpretation and mapping of wetlands using stereoscopic imagery.

University of Connecticut Landfill Remediation – Storrs, CT: Mason & Associates provides wetland consulting services for this large-scale landfill remediation project, which includes extensive wetland restoration and mitigation elements. Ms. Brennan assisted in the planning phases of the project, and continues as an environmental monitor. Her planning efforts included creating wetland-specific construction specifications and details, monitoring site water table levels and habitat characteristics, inspecting existing site vernal pools, meeting with regulatory agency representatives, and assisting the University in procuring wetland permits from the Army Corps of Engineers and the State of Connecticut. Additionally, Ms. Brennan has worked with University staff, faculty, and students to organize and promote educational and research aspects of the project. Ms. Brennan continues to monitor site wetlands during the mitigation monitoring project phase.

National Grid USA/Narragansett Electric Transmission Circuits – RI: Ms. Brennan delineated and mapped wetlands along National Grid Transmission circuits 347, 328, I-187, Q-143, and R-144 as part of a major transmission line refurbishment project. Using ArcView GIS and AutoCAD software, Ms. Brennan transferred the new wetland information generated onto existing National Grid maps. Ms. Brennan also provided storm water permitting services to National Grid under the new Rhode Island Pollutant Discharge Elimination System (RIPDES) Phase II regulations.

Wintonbury Hills Golf Course – Bloomfield, CT: Ms. Brennan conducts field inspections of wetland impact areas and wetland creation areas at this municipal golf course in central Connecticut. Tasks involve inspection of golf course construction activities in and near wetlands to ensure compliance with local, state and federal wetland permits. A key aspect of her construction inspection is the evaluation of erosion and sedimentation controls and working with the contractor to implement corrective actions. Ms. Brennan also inspects the one-acre wetland creation site, and several acres of wetland enhancement that serve as mitigation for the golf course's wetland impacts. Wetland mitigation monitoring includes evaluation of plantings and natural revegetation, wetland hydrology, and wildlife use.

West Side Master Plan – Aquidneck Island, RI: Mason & Associates has provided planning services to the Aquidneck Island Planning Commission in its master plan for the west side of the Island, including portions of Newport, Middletown and Portsmouth. Ms. Brennan assisted in the preparation of GIS mapping and in the analysis of natural resource constraints to development. The project presents a model for public involvement and the application of GIS data in the development of sustainable growth scenarios.

RIDOT Freight Rail Improvements, Wellington Bridge Project – Warwick and Cranston, RI: Ms. Brennan performs environmental monitoring for the construction of a new railway crossing of the Pawtuxet River. The main focus of her inspections is to assess the performance of erosion and sedimentation controls and work with RIDOT personnel to correct any issues that arise, therefore ensuring compliance with state wetland permits.

Breakwater Point and Sakonnet Harbor, Little Compton, RI Ms. Brennan has coordinated with various agencies and organizations to research and compile pertinent legislation, ordinances, guidelines, plans, and other information dealing with the proposed Sakonnet Point Club. She also created graphics to help with visualization of the proposed project and its impacts. Through her efforts, she assisted area landowners in addressing the environmental and visual concerns they had regarding the proposed club.

Narragansett Indian Tribe, Charlestown and Westerly, RI Ms. Brennan provided mapping and database support for this project, which involved an investigation of over 2,000 acres of land in Washington County, Rhode Island, including two of the largest Atlantic white cedar swamps in Southern New England. Ms. Brennan digitized field mapping and classification of project area wetlands into an ArcView GIS coverage. She provided the data to the Narragansett Tribe in paper map format and also in electronic format to supplement their developing GIS database.

PROFESSIONAL CERTIFICATIONS, REGISTRATIONS, AND LICENSES

Rhode Island Association of Wetland Scientist – Registered Associate Wetland Scientist

PROFESSIONAL HISTORY

Mason & Associates, Inc., Environmental Scientist, April 2008 to Present

The Gifford Design Group, Inc., Wetland Scientist, October 2006 to March 2008

Connecticut Dept. of Environmental Management, Seasonal Employee, April 2006 to July 2006

Mason & Associates, Inc., Environmental Scientist, May 2002 to March 2006

Cooperative Extension Service, University of Rhode Island, Coastal Fellow, 2000 – 2002

PUBLICATIONS

A Series About Onsite Wastewater Treatment Alternatives. L. Joubert, G. Loomis, D.Dow, A. Gold, D. Brennan, J. Jobin, and P. Flinker. University of Rhode Island Cooperative Extension. January 2005.