

MATTHEW DEVLIN

EDUCATION

University of Rhode Island, B.S. Environmental Management, 1997

REPRESENTATIVE EXPERIENCE

Mr. Devlin is an Environmental Scientist with Mason & Associates, Inc. where he is responsible for state and federal wetland issues relating to wetland delineation, permitting, and regulatory procedures for environmental planning and natural resource management including commercial, residential, and utility projects. Mr. Devlin has six years experience in freshwater and coastal wetland identification, delineation, permitting and wetland impact assessment. Mr. Devlin is a Soil Scientist with the Society of Soil Scientists of Southern New England and has experience in soil morphological analysis and interpretation. Mr. Devlin has assisted the U.S. Environmental Protection Agency with the analysis and evaluation of unpermitted wetland alterations through inspection and interpretation of aerial photographs. Mr. Devlin has conducted many wildlife habitat assessments and vernal pool evaluations.

Matthew Devlin has conducted hundreds of wetland delineations and classifications pursuant to the Massachusetts Wetlands Protection Act, U.S. Army Corps of Engineers methodology in coordination with the USFWS national classification system (Cowardin et al.), the Rhode Island Department of Environmental Management, and the Connecticut Department of Environmental Protection. He has analyzed wetland functions and values according to US Army Corps of Engineers criteria for Section 404 permitting and RIDEM procedures pursuant to Section 11.00 of the RI Freshwater Wetlands Act.

Mr. Devlin has planning experience and has working knowledge of the Massachusetts Environmental Policy Act (MEPA) and associated Review Thresholds pursuant to filing and preparing Environmental Notification Forms (ENFs) and has prepared several Environmental Impact Reports (EIRs).

Examples of Mr. Devlin's experience include:

Wetland Delineation: Mr. Devlin has conducted hundreds of inland wetland resource area delineations and classifications within numerous Cities and Town in Massachusetts, Rhode Island, and Connecticut. In addition, he has conducted several coastal wetland resource area delineations with Massachusetts and Rhode Island.

Wetland Permitting: Mr. Devlin has prepared over fifty Notice of Intents and Abbreviated Notice of Resource Area Delineations pursuant to the Massachusetts Wetlands Protection Act within numerous cities and towns in Massachusetts.

Wetland Boundary Peer Reviews: Mr. Devlin has conducted numerous peer reviews of wetland boundaries on behalf of the Town of Lakeville Conservation Commission, Massachusetts.

Wetland Mitigation: Mr. Devlin has conducted numerous wetland replication area monitoring evaluations within several towns in Massachusetts to determine successful establishment of wetland plant communities pursuant to the Massachusetts Wetland Protection Act.

Wetland Functional Value Assessments: Mr. Devlin has conducted numerous wetland functional value assessments according to US Army Corps of Engineers criteria for Section 404 permitting and RIDEM procedures pursuant to Section 11.00 of the RI Freshwater Wetlands Act.

Wildlife Habitat Evaluations: Mr. Devlin has conducted numerous wildlife habitat assessments for commercial and residential properties in Southborough, Westborough, Plainville and Bolton, Massachusetts and Vernon, Connecticut.

Vernal Pool Evaluations: Mr. Devlin has conducted numerous vernal pool evaluations in numerous towns in Massachusetts. Mr. Devlin has also performed evaluations of pool-breeding amphibian habitat requirements and migration patterns of several species including the wood frog and spotted salamander.

REPRESENTATIVE PROJECTS

WETLAND & WATER RESOURCE EXPERIENCE

Evaluation of Unpermitted Wetland Alterations in Violation of Section 404 of the Federal Clean Water Act (CWA)

Assist the U.S. Environmental Protection Agency with the analysis and evaluation of unpermitted wetland alterations. Determine the extent and amount of wetlands filled through review of aerial photographs, National Wetland Inventory (NWI) Maps, USGS topographic maps, and NRCS soil surveys. The delineation and aerial extent of wetlands and wetland alterations were determined through inspection and interpretation of aerial photographs taken under pre- and post-conditions. Wetlands were identified and classified on the photographs based on tone and texture of vegetation, visible hydrology and position on the landscape in accordance with the classification of Wetlands and Deep Water Habitats of the United States (Cowardin et al.).

Wetland Delineation for EMC Corp. Mr. Devlin was responsible for wetland delineation of state and local wetland resource areas on a 200-acre site for a proposed EMC campus in Southborough & Westborough, MA.

Wetland Delineation for the Massachusetts Electric Company. Mr. Devlin has conducted numerous wetland delineations on behalf of National Grid-Massachusetts Electric Company for pole replacement and re-conductoring projects along several utility lines.

Wetland Delineation for Raytheon. Mr. Devlin was responsible for wetland delineation and wetland boundary confirmation permitting of a 100-acre site consisting of Raytheon's corporate headquarters in Lexington, MA.

Wetland Delineation for the Massachusetts Turnpike Authority. Mr. Devlin was responsible for wetland delineation and wetland boundary confirmation permitting for a mile long portion of the Massachusetts Turnpike (Route 90) in Sturbridge, MA.

Wetland Delineation and Permitting Review Services for the Town of Lakeville. Mr. Devlin has conducted numerous peer reviews of wetland boundaries and Notice of Intent permit applications for residential development projects on behalf of the Town of Lakeville Conservation Commission, Massachusetts.

Wetland Functional Value Assessment. Conducted a wetland functional value assessment relative to protecting the interests of the Massachusetts Wetland Protection Act with regards to project design for a 200-acre commercial facility in Southborough and Westborough, Massachusetts on behalf of EMC Corp.

Wetland Mitigation Area Monitoring. Mr. Devlin has conducted numerous wetland mitigation and replication area monitoring evaluations within several towns in Massachusetts on behalf of the Massachusetts Turnpike Authority and Massachusetts Highway Department to determine successful establishment of wetland plant communities pursuant to the US Army Corp permit requirements and the Massachusetts Wetland Protection Act.

Quonset Point Fish Ladder Restoration Project, Wetland Application-Preliminary Determination. Preparation of RIDEM application for improvement to existing fish ladders along the Hunt and Pottowomut Rivers and associated wetland mitigation for the relocation of Route 403. Wetland delineation and investigation of hydrophytic vegetation for determining the wetland edge boundary pursuant to Section 9.02 (E)(3) of the RI Freshwater Wetlands Act.

Warwick Pond Best Management Practices, Wetland Application- Preliminary Determination. Preparation of a Rhode Island Department of Environmental Management (RIDEM) application for improvement to stormwater runoff utilizing best management practices (BMPs). Wetland delineation and investigation of hydrophytic vegetation for determining the wetland edge boundary pursuant to Section 9.02 (E)(3) of the Rules and Regulations Governing the Administration and Enforcement of the Freshwater Wetlands Act (Rules).

Wetland Functional Value Assessment, RIDEM Wetland Application to Alter a Freshwater Wetland. Preparation of a Rhode Island Department of Environmental Management (RIDEM) wetland functional value assessment pursuant to Section 11.00 of the Rules and Regulations Governing the Administration and Enforcement of the Freshwater Wetlands Act (Rules) permit review criteria.

Rhode Island Coastal Resource Management Council (CRMC) Category A Application. Preparation of three CRMC Category A Assent Applications for an alteration activity to occur within a coastal feature consistent with the RI Coastal Resource Management Program (RICRMP). Application related to the Special Area Management Plan (SAM Plan) and alteration activities within an area of critical concern. The project involved the relocation of three existing dwellings on a barrier beach in Matunuck, RI.

State of Connecticut Department of Transportation, Draft Federal Environmental Assessment/Section 4(f) Evaluation. Conducted inland wetland delineation according to the US Army Corps of Engineers three parameter approach and also according to the State of Connecticut soil based criteria for inland wetland soils in Connecticut for an approximate 5 mile corridor Interstate 84 in Waterbury, CT.

Wetland Functional Value Assessment for a proposed Wal-Mart, Vernon, CT. Analyzed existing functions and values of several wetlands on the property including wildlife habitat and water quality and the impacts from the proposed Wal-Mart development on the functions and values.

Alternative Water Supply Feasibility Study - RI, CT, and MA. Project involved an evaluation study to determine alternative groundwater and surface water supplies as a source of cooling water for a natural-gas fired electric generating facility located in northern Rhode Island. Various watershed areas within RI, CT, and MA were assessed that were both economically and environmentally feasible. Geologic and hydrogeologic studies and information were identified to determine the most feasible alternative water supply source.

Alternative Water Supply Sources and Environmental Assessment Study, North Smithfield, RI Project involved an environmental evaluation study to determine alternative groundwater and surface water supplies within the Blackstone Drainage Basin. In addition, an impact assessment was conducted to determine the effects to the wetland vegetational community due to changes in the hydrologic regime. Identification and photo-interpretation of wetlands and natural resource areas.

Water Quality Characterization Study, Woonasquatucket River Basin, RI. Project involved a comprehensive water quality characterization study to assist in gathering information to development total maximum daily loads (TMDLs) for the Woonasquatucket River. Included a watershed evaluation, description, and water quality data analysis.

WILDLIFE HABITAT ASSESSMENT EXPERIENCE

Wildlife Habitat Evaluation. Conducted a spotted turtle wildlife habitat assessment for a commercial property in Plainville, Massachusetts. The assessment included the collection of field data sufficient to characterize the site and determine if the area provides suitable habitat for spotted turtle.

Wildlife Habitat Evaluation. Conducted a wood turtle habitat assessment for a property in Bolton, Massachusetts for proposed residential development. The assessment included the collection of field data sufficient to characterize the site and associated riverfront area and determine if the area provides suitable over-wintering habitat for wood turtle.

Vernal Pool Evaluations. Conducted numerous vernal pool evaluations in numerous towns in Massachusetts. Preparation of Natural Heritage and Endangered Species Program vernal pool certifications. Performed evaluations of pool-breeding habitat requirements and migration patterns of several species.

Fisheries Investigation Conducted a trout habitat study within an Area of Critical Environmental Concern (ACEC) along the Miscoe Brook, Grafton, Massachusetts. The assessment included the collection of field data sufficient to determine the stream's physical, hydrological, and chemical characteristics to determine if the area provides suitable habitat for trout.

Influence of Forest Area and Habitat Characteristics on the Distribution and Abundance of Wetland Wildlife, University of Rhode Island Agriculture Experiment Station. Conducted a wetland habitat determination and inventory to assess certain environmental conditions suitable for Canadian Warbler (*Wilsonia canadensis*) and Northern Waterthrush (*Seiurus noveboracensis*) survival.

Wildlife Survey, US Fish & Wildlife Service, Trustom Pond, RI

Conducted field identification of waterfowl and songbirds which was an investigation to determine and quantify resident bird population and species density within the Trustom Pond National Wildlife Refuge (15 acres).

PLANNING EXPERIENCE

Integrated Natural Resource Inventory and Land Management Plan U.S. Navy, Newport, RI

Preparation of natural resource inventory and land management plan to provide site-specific information about the existence of ecologically sensitive and/or regulated natural resources and provide management strategies. Inland and coastal wetlands protection, estuarine fish and wildlife habitat, coastal natural resource protection, waterfront recreation, and open space land use were key facets of 1,100- acre study area.

Coordination with state and federal agencies overseeing compliance with the R.I. Coastal Resources Management Program (RICRMP), R.I. Department of Environmental

Management (RIDEM) Freshwater Wetlands Act, Clean Water Act (CWA) Section 404, National Environmental Policy Act (NEPA), Migratory Bird Act, and the Endangered Species Act (ESA).

Environmental Impact Statement (EIS), Newport Marine Facilities Project, Newport, RI

Assisted with the preparation of a Environmental Impact Statement (EIS) for Preferred Alternative locations of a proposed marine terminal for improved ferry, water taxi and cruise ship service to historic destinations. EIS guidelines consistent with the National Environmental Policy Act (NEPA) relating to Section 404 and Section 10 permitting. Coordination with U.S. Army Corps of Engineers (USACE), National Marine Fisheries Service (NMFS), U.S. Coast Guard (USCG), RI Coastal Resources Management Council (CRMC), RIDEM, RIHPHC and the RI Division of Planning.

Environmental Characterization of Pre-existing Conditions, Somerset, MA

Review of aerial photographs, U.S.G.S. topographic maps, and soil survey to document land conditions on at least two historical dates that demonstrate the land surface conditions with respect to vegetation, land elevation, and drainage. The purpose of the project was to evaluate the impact to the land area caused by changes in drainage resulting from construction and filling activities in the vicinity and to complete an analysis and characterization of pre-existing environmental conditions so as to evaluate conditions contributing to the increasingly wet soil conditions and severe erosion.

Environmental Impact Report (EIR) Preparation of several Environmental Impact Reports (EIR) pursuant to Massachusetts Environmental Policy Act (MEPA) review thresholds. Conducted a wetland functional value assessment relative to protecting the interests of the Massachusetts Wetland Protection Act with regards to project design for a 200-acre commercial facility in Southborough and Westborough, Massachusetts.

Comprehensive Community Plan Update, Town of East Greenwich, RI Project involved completion of the required update of a comprehensive plan in accordance with RI General Law 45-22.2 for a Town located on Narragansett Bay which is facing increasing development pressures. Key components included update of specific environmental issues pertaining to developable land, soil suitability for ISDS, wetlands, water quality, fish and wildlife habitat protection, solid waste, and hazardous waste.

Combined Sewer Overflow (CSO) Control Facilities Project, Providence, RI.

Environmental scientist responsible for preparation of an amendment to the Environmental Assessment for the RI Department of Environmental Management and Narragansett Bay Commission (NBC) during the Phase IC portion of a \$390 million project to abate CSO's in Narragansett Bay, a national estuary. This amendment to the EA addressed land use issues pertaining to short term construction, long term operational, socio-economic, neighborhood, recreation, and cultural resource impacts on over thirty major construction sites (including deep rock tunnel work shafts, interceptors, sewer separation facilities, sedimentation/disinfection facilities, and an artificial wetland) in Providence, Pawtucket and Central Falls.

Open Space & Recreation Plans. Preparation of an Open Space & Recreation Plan template for the Executive Office of Environmental Affairs (EOEA) to use for all the cities and towns in Massachusetts.

HAZARDOUS WASTE EXPERIENCE

Phase I/II Environmental Site Assessments in Rhode Island, Massachusetts and Connecticut. Conducted several Environmental Site Assessments pursuant to the American Society Testing and Materials (ASTM) standards. Investigations of industrial/commercial/residential/vacant properties to identify, the presence or likely presence, release or threat of release of any hazardous substances or petroleum products affecting the land area; Gather preliminary information regarding the level of compliance with current environmental standards, laws, regulations and permits; Establish a baseline of environmental conditions for historic and comparative purposes; Identify whether any hazardous substances have been stored, released or disposed of on the property; Reduce uncertainty regarding recognized environmental conditions; and Identify the need for additional testing to evaluate the scope, location, source and nature of any releases or threat of releases of hazardous substances affecting the Subject Property in accordance with the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and with Section 9601 (35)(b) of the Superfund Amendment and Reauthorization Act (SARA).

Site Inspection at the Federal Correctional Institution (FCI) in Danbury, CT Wetland Scientist, project included gathering chemical and hydrogeological data sufficient to characterize the contaminants, identify the nature of contaminants, and to evaluate remedial options. Investigations were conducted in the surrounding land areas which included an abandoned landfill area, drum disposal area, firing range and underground storage tank (UST) area. The surface and subsurface exploration methods included collection and analysis of surface soil, subsurface soil, sediment, surface water and groundwater samples. Field screening methods, test pit excavation, drilling, split-spoon soil boring sampling, monitoring well and small diameter driven well installation and groundwater sampling were conducted.

Environmental Subsurface Investigation, InterRoyal Mill, Plainfield, CT Wetland Scientist, project included a subsurface investigation to determine the presence, character, nature and extent of contamination of oil and or hazardous materials (OHM) and to evaluate the presence of pollution with regards to the surrounding natural resources. Groundwater and soil sampling was conducted.

Free Product Hydrocarbon Recovery Operations, Defense Support Center Philadelphia. Project involved the installation of a free phase hydrocarbon recovery remediation system for the removal of light non-aqueous phase hydrocarbons (LNAPL) from beneath the Defense Support Center Philadelphia (DSCP) and Sun Oil Co. properties. Field activities included installation and development of recovery wells (hard-piped via trenching and connected to a centralized LNAPL AST) to address the LNAPL plume.

Limited Environmental Investigation for the former Plymouth County Massachusetts Solid Waste Landfill. Conducted a subsurface investigation and evaluation of historical land use operations of a former solid waste landfill to achieve a characterization of environmental issues pertaining to the future re-development of the site. The subsurface investigation consisted of: test pit excavations to confirm the nature and extent of solid waste, landfill gas monitoring to address the potential presence and concentrations of landfill gases, environmental borings installation and groundwater quality monitoring/sampling to evaluate changes in concentrations.

PROFESSIONAL AFFILIATIONS & CERTIFICATIONS

Rhode Island Association of Wetland Scientists (RIAWS)
Association of Massachusetts Wetlands Scientists (AMWS)
Society of Wetland Scientists (SWS)
Society of Soil Scientists of Southern New England (SSSSNE), Soil Scientist

PROFESSIONAL HISTORY

Louis Berger & Associates, Inc., Environmental Scientist (1997-1999)
Beals and Thomas, Inc., Wetland Scientist (1999-2001)
BSC Group, Inc., Wetland & Soil Scientist (2001-2003)
Mason & Associates, Inc., Environmental Scientist (2003-present)