

WETLANDS SERVICES

Amy S. Greene Environmental Consultants, Inc. (ASGECI) is a recognized leader in wetland delineation functional assessment, wetland permitting, and wetland mitigation. Since 1986 ASGECI has performed over 4,000 wetland projects in 11 states. **ASGECI** has delineated wetlands on thousands of acres of land and many miles of transportation and utility right-of-ways. **ASGECI** has obtained nearly 2,200 wetland approvals from the USACE, State and Regional agencies including Jurisdictional Determinations, Letters of Interpretation; Nationwide, General and Individual Permits, wetlands buffer waivers and wetland mitigation plans. **ASGECI** staff is experienced in wetland functional assessment, and was contracted by NJDEP to develop a methodology and perform wetland functional assessments of 90 wetland mitigation sites statewide and make recommendations for program improvements. At the invitation of NJDEP ASGECI also participated in development of the NJ HGM Wetland Functional Assessment Model and the Wetland Mitigation Hydrologic Budget Model.



Hydric Soil



Skunk Cabbage



Forested Wetland

ASGECI has provided wetland services to public clients at the local, state and federal level and to private clients for diverse projects including transportation; electric and gas utilities; solar installation; education; recreation; military facilities; residential; commercial and industrial development; and parks and open space preservation. **ASGECI** is a Woman-Owned Small Business and DBE certified with multiple agencies in New Jersey, New York, Pennsylvania, Delaware and other states. **ASGECI** has an excellent reputation for quality work with local, State and Federal agencies.

Our staff maintains professional certifications including Professional Wetland Scientist, U.S. Army Corps of Engineers (USACE) Wetland Delineator; Certified Senior Ecologist; Certified Soil Scientist; Wetland Evaluation Techniques (WET); Habitat Evaluation Procedures (HEP); ISA Certified Arborist; NJ State Approved Forester; U.S. Fish and Wildlife Service Recognized Qualified Bog Turtle Surveyors; and Certified Professional in Soil Erosion and Sediment Control (CPESC). Many of our staff are OSHA HAZWOPER certified.

Our Wetland Related Services Include:

- ◆ Freshwater and coastal wetland delineation
- ◆ Wetland Functional Assessments
- ◆ State and U.S. Army Corps of Engineers (USACE) wetland permitting
- ◆ Wetland restoration/mitigation design and installation
- ◆ Environmental construction and post-construction monitoring
- ◆ Stream, streambank and riparian corridor restoration design
- ◆ Environmental Impact Assessments and Impact Statements – NEPA, State and Local
- ◆ Endangered and threatened species surveys and habitat management design
- ◆ Aquatic and marine ecological studies
- ◆ Ecological Risk Assessment
- ◆ Soil Erosion and Sediment Control Planning and Monitoring
- ◆ GIS mapping and analysis/GPS mapping

ASGECI holds a GSA Schedule in the following Special Item Numbers:

- ◆ 899-1: Environmental Consulting Services
- ◆ 899-7: Geographic Information Systems (GIS) Services

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REPRESENTATIVE WETLANDS PROJECT EXPERIENCE

- **NJ Turnpike Interchanges 1-4 Widening, Salem, Gloucester, Camden and Burlington Counties, NJ. *NJ Turnpike Authority/Buchart-Horn, Inc.*** ASGECI performed a detailed wetland delineation and prepared and submitted an application to NJDEP for a Letter of Interpretation for 35 miles of the NJ Turnpike between Interchanges 1-4. ASGECI obtained the Letter of Interpretation and prepared the ecology sections of the Environmental Impact Statement in accordance with NJ EO 215 requirements.
- **Old Bridge Development Site, Old Bridge Township, Middlesex County, NJ. *Olympia & York.*** ASGECI performed a wetland delineation for 2,700-acre parcel and prepared an application for a U. S. Army Corps of Engineers (USACE) Jurisdictional Determination under Section 404 of the Clean Water Act. The delineation was reviewed and approved by the USACE, the U.S. Environmental Protection Agency and the U.S. Fish and Wildlife Service. Subsequently obtained a Letter of Interpretation from the NJDEP in accordance with the *NJ Freshwater Wetlands Protection Act* rules.
- **Mount Olive Complex Inc., Mount Olive Township, Morris County, NJ.** ASGECI performed a detailed wetland delineation and prepared and submitted a successful application to the New Jersey Department of Environmental Protection (NJDEP) for a Regulatory Line Verification Letter of Interpretation (RLV LOI) for this 900 acre site.
- **Upper Passaic River Basin HGM Wetland Assessment Testing. *New Jersey Department of Environmental Protection, Land Use Regulation Program.*** ASGECI conducted field testing of the draft Hydrogeomorphic Model for riverine wetlands within the Passaic River Basin developed by Rutgers University. The study included field testing of the draft model on two mitigation bank sites; data analysis and report preparation. The Wetland Mitigation Quality Assessment (WMQA), an assessment methodology developed by ASGECI for NJDEP, was also applied at the two sites.
- **New Castle Hundred Wetland Delineation, New Castle, DE.** ASGECI performed of a wetland delineation on a 500 acre property and obtained a Jurisdictional Determination from the USACE Philadelphia District.
- **Clinton Township, Hunterdon County, NJ. *Exxon Company.*** ASGECI performed a wetlands delineation of the 859-acre parcel, and prepared and submitted notification to the USACE for Nationwide Permits to authorize the mixed use office, research, commercial and residential development project. ASGECI subsequently prepared an application for and obtained a NJDEP Letter of Interpretation to verify the wetland delineation.
- **Maple Moor Golf Course, E. Branch Mamaroneck River Water Quality and Habitat Improvement Project, City of White Plains, Westchester County, NY. *Westchester County Planning Department.*** ASGECI designed a stream and wetland restoration project to enhance fish and wildlife habitat and restore stream quality. Tasks included wetland delineation, vegetation survey including invasive species, design of a stream and wetland restoration project, invasive species control plan, native plant species planting plan, bioengineering measures for bank stabilization and instream structures including four (4) rock cross vanes and one J-Hook to control water flows and elevations.
- **Pharmacia & Upjohn, LLC Site-East Side Remedial Construction RCRA Landfill Closure, Town of North Haven, CT. *Pfizer, Inc./WRS Compass Infrastructure & Environment, Inc.*** Tasks performed by ASGECI to facilitate ecologically sensitive closure of this RCRA landfill included conducting a wetland delineation, vegetation survey, and tree inventory; design of wetland mitigation and grassland habitat restoration plans; and Federal, State and Local wetlands and coastal zone permitting.
- **Echo Point Sand & Gravel, Falls Township, Bucks County, PA. *EarthRes Group, Inc./Waste Management Disposal Services of PA.*** ASGECI delineated wetlands on this 250 acre proposed sand and gravel facility, prepared the wetland delineation report and obtained a Jurisdictional Determination (JD) from the USACE, Philadelphia District. The project area was located within a highly disturbed agricultural and floodplain environment adjacent to the Delaware River.
- **Natchez Trace Parkway Multi-Use Trail, City of Jackson, Hinds and Madison Counties, MS. *U.S. National Park Service.*** ASGECI conducted a delineation of onsite wetlands for 13 miles of National Park right-of-way lands as part of the planning for a new multipurpose trail and parking facility. The wetland delineation was completed in a two-week period. A detailed wetland delineation report and mapping was prepared, including wetland functional and value assessments of every wetland documented.

