

## ECOLOGICAL SCIENCE

*Delta provides a wide range of ecological services with focus on a complete suite of wetland services for institutional, commercial, and industrial clients. We also specialize in studies of natural resources, wildlife, vegetation, fisheries, habitat inventories, and endangered species.*

*Our staff specialists have comprehensive knowledge of environmental regulations, excellent working relationships with key natural resource and regulatory agencies, and a reputation for strong professional teamwork and client responsiveness.*



### WETLAND DELINEATION

We have significant project experience in the scientific and regulatory aspects of handling wetland delineation. This helps our clients determine the feasibility of a project, design a project to avoid wetland permits and costly mitigation, or to determine the value of a piece of land. Our team has examined over 1,000 different wetland sites in New York and throughout the Northeast.

### WETLAND PERMITTING & RELATED SERVICES

We support the development community with wetland permitting expertise and experienced court testimony. We are well versed with Federal, NYSDEC, Adirondack Park, and all locally relevant regulations and codes.

### WETLAND & STREAM MITIGATION

A critical phase of wetland permitting is the assessment of mitigation options. Currently, the most common mitigation option involves creating new wetlands. We have experience with all phases of wetland creation including planning and design, construction monitoring, vegetation planting, and post-construction monitoring.

### FLORA & FAUNA STUDIES

We provide the utility, mining, commercial, and residential development sectors with a tailored portfolio of services keyed to permit issuance. Services include land use and land cover mapping, site inventories of flora and fauna species, endangered, threatened, and special concern species surveys, critical area assessments, and vegetation inventories and surveys for right-of-way management.

### HABITAT ASSESSMENT & RESTORATION

We offer complete assessments of plant and wildlife species by trained biologists on project sites and provide sound ecological advice for engineering firms regarding their remediation projects.

### WATER QUALITY & AQUATIC STUDIES

We provide a wide variety of water quality and aquatic ecology studies that survey fish, amphibians, reptiles, and macroinvertebrates as well as require water sampling expertise.

### ENVIRONMENTAL & CONSTRUCTION MONITORING

We assist our clients during project construction phases to ensure compliance with environmental permitting requirements and successful completion of the design intent.

## ECOLOGICAL SCIENCE SERVICES

*Delta has earned an excellent reputation for listening to our clients and for delivering responsive service that exceeds expectations. Representative lists of ecological science services that we provide are presented below. If you have additional requirements, please contact our leaders for further information.*

### WETLAND DELINEATION & PERMITTING

- Full-Time Certified Specialists
- Preliminary (Look-See) Assessments
- Formal Wetland Delineations per Federal & State Manuals
- State & Federal Permit Applications
- Violation and Controversial Project Support and Guidance
- Wetland Impact Analysis
- Stream & Watercourse Delineation, Permitting, & Analysis

### WETLAND MITIGATION & CREATION

- Wetland Site Selection & Design
- Alternative Site Assessment
- Wetland Mitigation Plan Creation & Monitoring
- Planting & Grading Plans
- Wetland Restoration Plans
- Water Budget Preparation
- Construction Supervision
- Post Construction Monitoring & Reports

### ENVIRONMENTAL QUALITY ASSESSMENT

- Environmental Impact Studies
- NY SEQR Impact Statements
- Electric Transmission & Pipeline Routing Studies
- Environmental Construction Monitoring
- Ecological Resource Inventories & Risk Assessments
- Water Quality, Stream & Fishery Studies
- Habitat Restoration Plans

### FLORA & FAUNA STUDIES

- Habitat Assessments
- Wildlife & Plant Field Surveys
- USFWS Biological Assessments
- Wildlife Management Plans
- Vegetation Surveys & Cover Maps
- Mitigation Planning
- Vernal Pool Identification
- GIS Data Mapping
- Agency Coordination
- Construction Wildlife Monitoring



## EXPERIENCED LEADERSHIP



### STEPHEN L. SHERIDAN

Mr. Sheridan is the Director of our Ecological Science Services Group. With over 25 years of professional experience in the environmental field, Steve has hands-on experience with hundreds of diverse environmental studies and has collected and curated GIS datasets for ecological projects. His technical expertise includes wetland identification and delineation, wetland permit application preparation for NYS and Federal agencies, wetland mitigation design, planning, and monitoring and survey grade GPS utilization. Steve is our subject matter expert on wetland delineation, group leader on related projects, and mentor for junior staff in the field and office.

Contact Steve at  
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## OFFICE LOCATIONS

### Greater Binghamton Region

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### Syracuse Region

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### New York State Capital Region

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Schenectady, New York 12305  
Tel 518-427-7200 Fax 518-427-7210

### National Capital Region

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