



**James A. Bates**, CPESC, CPSWQ

**MANAGING MEMBER**

## EDUCATION

- Mansfield University  
Mansfield, Pa  
Fisheries Biology, 1986

## CERTIFICATIONS & TRAINING

- New York State Forum  
Bog Turtle training, 1989
- OSHA 40-Hour Hazardous  
Waste Operations Safety  
and Health Training, 1989
- Troxler Certified, 1999
- EDR, Due Diligence at  
Dawn, 2000
- ACI Level 1 Certified, 2000
- NICET Level 1, 2000
- Rutgers Threatened &  
Endangered Species  
Certificate, 2001
- ASTM Technical and  
Professional Training for  
ASTM-1527 & 1528, 2001
- 38-Hour ACOE Wetland De-  
lineation & Management  
Training Program, 2001
- Rutgers Lake Management  
Certificate, 2002
- Erosion and Sediment Con-  
trol Site Planning, 2005
- Design and Implementation  
of Erosion and Sediment  
Control Practices, 2005
- Design of Stormwater  
Ponds and Wetlands, 2005
- Certified Professional in  
Erosion and Sediment Con-  
trol, # 3724
- Certified Professional in  
Stormwater Quality, #0439

## PROFESSIONAL EXPERIENCE

### MANAGING MEMBER

*Ecological Analysis LLC, Middletown, New York  
2009– present*

- Responsible for day to day operations of this envi-  
ronmental and planning consulting firm which spe-  
cializes in ecological, environmental, stormwater,  
and wetland services in order to advance projects.
- Interfaces with many different consultants, as part of  
a team, in order to complete projects without delay.
- Educated and experienced in efficient project man-  
agement providing superior services to *all* clients  
while upholding responsibilities to the environment  
and the concerns of the community.
- Oversees SWPPP inspections for nearly two dozen  
diverse building sites.
- Responsible for the oversight and completion of all  
wetland and wildlife projects.
- Instrumental in the completion of both the State Re-  
quired Environmental Impact Statement and all  
subsequent studies for housing developments, ho-  
tels, various shops and business including Veria  
Living and Dollar General.
- Serves the community by participating in the Sulli-  
van County Partnership, the Orange County Cham-  
ber of Commerce and the Putnam County Economic  
Corporation.

### Senior Environmental Scientist/ Wetland Ecologist

*Tim Miller Associates, Inc. Cold Spring, New York  
2003-2009*

- Responsible for environmental impact analysis, eco-  
logical studies, wetland studies, delineation, permit-  
ting, and design, mitigation, and client representa-  
tion. Completed these tasks according to Army Corp  
of Engineers (ACOE) guidelines, New York State  
Department of Environmental Conservation  
(NYSDEC) policies and the local regulations of  
Dutchess, Orange, Putnam, Sullivan, and  
Westchester Counties and received both ACOE Ju-  
risdictional Determinations (JD) and NYSDEC sign-  
offs.



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- Rutgers' Freshwater Wetland Construction, 2007
- Rutgers' Advanced Wetland Delineation, 2008

### **PUBLICATIONS**

- Development of an efficient technique to promote the inflation of swimbladders in tank-reared striped bass. New York State Chapter of the American Fisheries Society, 1988
- Larval striped bass survival during weaning from *Artemia nauplii* to three commercial diets. American Fisheries Society, Fish Culture Section Newsletter, 1989

### **COMMUNITY SERVICE**

- Sullivan County Partnership
- Orange County Chamber of Commerce
- Putnam County Economic Corporation

- Completed applications and received permits for stream, and stream disturbance, wetland and wetland buffer impacts, crossing permits and permitting for a pond in a NYSDEC buffer area. All resulted in the timely completion of many projects.
- Responsible for numerous Flora and Fauna projects concentrating on endangered species.
- Responsible for erosion and stormwater monitoring for many large residential development projects in Orange, Putnam, and Westchester Counties.
- Completed wetlands delineation and/ or mitigation projects include, but are not limited to:
  - 750 acres in Dutchess county (13,000 flags)
  - 860 acres in Orange county
  - 2200 acres in Sullivan county
  - 1800 acres in Sullivan county
  - Hollow Brook Golf Course & The Hackley School

### **Environmental / Wetlands Scientist Engineering Tech *Tectonic Eng. & Surveying, PC Mountainville New York 1999-2002***

- Responsible for ESA and National Environmental Protection Act (NEPA) reports, Environmental Assessment Forms (EAF) and New York State SEQRA reviews. Work for these projects included completing due diligence by interfacing with local, state, and federal agencies for pertinent site information, site visits, and the resolution of any endangered species and/ or wetland issues.
- Responsible, in whole, for supervising the dredging of the Lower Reservoir and dam restoration for the Village of Warwick. This include a EAF, a joint application dredging permit, sampling plans and sediment sampling, a permit to remove fish, a SEQRA document and site erosion control.
- Coordinated with the ACOE for permits associated with the maintenance dredging of a boating channel for the Village of Greenwood Lake.



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- Performed a 72-hr. pump test for a municipal well in the Village of Warwick.
- Prior to construction, conducted a survey and received a letter of concurrence from the NYSDEC stating that an addition to a music sales warehouse in Chester, would have *no effect* on bog turtles, which are an endangered species.
- Conducted EAS Phase I site evaluations, Federal Communication Commission (FCC), NEPA, State Historic Preservation Office (SHPO) evaluations, wetlands delineations, and resolved endangered species issues for both rural and urban sites for the following cellular telephone companies:

Crown Castle LLC

Georgia PSC

Independent Wireless

Nextel

Sprint

Triton

- Responsible for all phases of construction inspection, including, but not limited to, erosion control inspections, concrete inspection, (casting of cylinders and slump testing), earthwork construction, (density testing of compacted soil), verification of backfill placement and construction inspection, (size, spacing, and placement), roadway construction, (asphalt paving and installation of underground utilities) and masonry inspections, (sampling of mortar and grout).
- Responsible for laboratory testing such as concrete compressive tests, Proctor tests gradations and Atterberg limits and moisture content of soil samples.

### **Construction Inspector**

*Rifton Airport Hangar*

- Regulated by both the NYSDOT and the FAA, performed inspection of erosion controls, soil compaction for grade and subgrade materials, as well as the placement and testing for both the inside of the hangar and runway apron.



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**Senior Biologist/ Nutritionist**

*Western Aquatic Resources, Inc., Delano, Ca*  
1989-1991

- Responsible for *all* biological activities in a multi-species,( channel catfish, striped bass, and white sturgeon) 10-acre fish farm.
- Also responsible for the technical supervision of up to 40 technicians.
- Responsible for the hatchery set-up, the spawning of striped bass, and the nutritional status and feeding regimes for all three different fish species.

**Environmental Technician**

*Lawler Matusky & Skelly Eng., Pearl River, New York*  
1989

- Experienced in the taxonomic identification of fresh-water and marine fishes throughout the United States.
- Aided in numerous 316(a) & 316(b) studies for various power companies on the Hudson River.
- Responsible for impingement sampling at various power plants.
- Sampled both wells and sediment at various locations.

**Fish Culturist**

*Aquatic Systems, Mecca, Ca*  
1986-1987

- Responsible for the intensive rearing of channel catfish, hybrid striped bass, tilapia, striped bass and white sturgeon.

**Environmental Technician**

*Normandeau Associates, Verplanck, New York*  
1986

- Served as a deck hand on a fisheries research vessel conducting fisheries and ichthyoplankton sampling and otter-trawling throughout the NY Harbor.