

PROFESSIONAL RESUME

George T. Logan, MS

Principal Environmental Scientist

EDUCATION:

M.S. Natural Resources, Wildlife Management & Conservation Biology,
University of Rhode Island, Kingston, R.I. 1989.

B.S. Natural Resources, Wildlife Management & Wetland Ecology,
University of Rhode Island, Kingston, R.I. 1986.

Continuing Education

The Transportation Project Development Process: Training in the
PennDOT Environmental Impact Statement Handbook, Harrisburg,
PA, January 1994

Rapid Bioassessment Protocols of Aquatic Systems (EPA Protocols),
Wetland Training Institute, Williamsport, PA, August 3-6, 1993

QUALIFICATIONS:

Certified Associate Wildlife Biologist (1989)
The Wildlife Society

Registered Professional Soil Scientist (1989)
Society of Soil Scientists of Southern New England

Certified Professional Wetland Scientist (No. 581) (1994)
Society of Wetland Scientists

EXPERIENCE:

Mr. Logan is the Co-Owner and Principal Environmental Scientist of Rema Ecological Services, LLC. Mr. Logan specializes in tidal and inland wetland delineation and evaluation, permitting, mitigation design, and the preparation of environmental compliance documents in accordance with national (NEPA), state, and local criteria and guidelines. He also provides design and construction supervision of habitat and wetland restoration, enhancement and replacement projects. Mr. Logan performs watershed and surface water quality evaluations and provides guidance in the design of stormwater Best Management Practices (BMPs), including stormwater wetlands and biofiltration basins.

Mr. Logan has over fifteen years experience as a wildlife biologist conducting wildlife habitat evaluations and focused avian, mammalian, invertebrate and herpetofaunal surveys using both active and passive methods. He has also conducted focused surveys for several sensitive and "listed" species, and numerous aquatic biosurveys to assess the biodiversity and biotic health of ponds, lakes and watercourses. Mr. Logan has extensive experience in performing herpetological surveys including vernal pool investigations and evaluations.

Mr. Logan has participated in nearly 1,200 individual projects in New England and the Mid-Atlantic States and in 145 of 169 municipalities in Connecticut.



Professional Resume: *(continued)*

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PROFESSIONAL AFFILIATIONS:

Society of Soil Scientists of Southern New England
Society of Wetland Scientists
Massachusetts Association of Conservation Commissions
Association of Massachusetts Wetland Scientists
The Wildlife Society
Soil & Water Conservation Society
Connecticut Association of Wetland Scientists (*Past-President, Charter member, Programs Committee Chairman*)

PUBLICATIONS:

Logan, G.T. & S.N. Gadwa. 1999. Quinnipiac River Watershed Association Stream Study. Water Quality in the Quinnipiac River. Proceedings of a Symposium on the Impact of Nonpoint Source Pollution in the Quinnipiac River Watershed, pp. 66-70.

Logan, G.T. & S.N. Gadwa. 1998. Stream Biosurveys: *A Primer*. Quinnipiac River Watershed Association Educational Series for the Adopt-the-River Programs.

Pawlak, E.M. & G.T. Logan. 1996. Town of Cromwell Wetland Evaluation Project. Connecticut Association of Conservation and Inland Wetlands Commissions. *The Habitat*, Vol. 10:1

Logan, G.T., F.B. Titlow & D.G. Schall. 1995. The Scientific Basis for Protecting Buffer Zones. Proceedings of the 16th Annual Meeting of the Society of Wetland Scientists.

Pawlak, E.M. & G.T. Logan. 1995. Town of Cromwell Wetland Buffer Zone Designation Methodology. Proceedings of the 16th Annual Meeting of the Society of Wetland Scientists.

Logan, G.T., J.H. Brown, Jr., T.P. Husband & M.C. Nicholson. 1994. Conservation Biology of the Cretan Agrimi (*Capra aegagrus cretensis*). *Biologia Gallo-Hellenica*, Vol. 21, pp. 51-57.

Nicholson, M.C., T.P. Husband, J.H. Brown, Jr. and G.T. Logan. 1994. Implications of behavior on the management of the Cretan Agrimi (*Capra aegagrus cretensis*). *Biologia Gallo-Hellenica*, Vol. 21, pp. 45-50.

WORKSHOPS & CONFERENCES: *(selected)*

Riparian Buffer Function, Performance & Limitations. Urban Riparian Buffers Conference & Technical Training Session. April 1999. (*Guest Lecturer*)

Professional Resume: *(continued)*

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WORKSHOPS & CONFERENCES: *(selected)*

The Importance of Habitat Edges. Riverside Landscaping Conference. The Rivers Alliance of Connecticut. June 1998. *(Guest Lecturer)*

Sedimentation and Erosion Control Review Session. USDA. Natural Resource Conservation Service and CPESC (Certified Professionals in Erosion Control), Concord, NH. September 2001.

Buffer Strips as Storm Water Quality Controls. EnviroExpo, Boston. May 1999. *(Guest Speaker)*

Identifying Wetland Soils, Fauna and Flora. Municipal Inland Wetland Staff Technical Workshops. June 1999. *(Guest Speaker)*

Water Quality in the Quinnipiac River: A Symposium on the Impact of Non Point Source Pollution in the Quinnipiac River Watershed. November 1998. *(Presenter)*

Our Hidden Wetlands: Vernal Pools in Connecticut. Co-sponsored by CT DEP and the Center for Coastal and Watershed Systems. November 1997 and January 1998 *(Workshop Leader)*

Aquatic Invertebrate & Stream Ecology Workshop. Quinnipiac River Watershed Association Workshop Series. September 1997, May 1998, June 1999, January 2000 *(Workshop Leader)*

The Massachusetts Association of Conservation Commissions Third Annual Conference: Wetland Buffer Zones, March 1996, *(Guest Lecturer)*

16th Annual Conference of the Society of Wetland Scientists: Wetland Understanding, Wetland Education, May 1995 *(Presenter)*

Quinnipiac River Watershed Association Forum on Non-Point Pollution: Significance of Wetlands and Wetland Buffers, October 1992 *(Guest Lecturer)*

The Massachusetts Association of Conservation Commissions Second Annual Conference, April 1995 *(Guest Lecturer)*

The Society of Soil Scientists of Southern New England Riparian Buffer Zone Conference, November 1994 *(Presenter)*

Professional Resume: *(continued)*

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SUPPLEMENTARY INFORMATION:

1996 to present

Rema Ecological Services, LLC
Principal Environmental Scientist, Owner

- Founded the company to provide natural resources management, environmental planning, compliance services, and client advocacy throughout the Northeast.
- Has participated in nearly 800 individual projects since the company's inception including four gas-fired, combined-cycle power plant projects, four wetland replacement projects, and several large residential, industrial and commercial endeavors.
- Acted as the Town of Waterford, Connecticut, Interim Environmental Planner during a ten-month tenure. Responsibilities included providing procedural and technical support to the town's Conservation Commission (a.k.a. Inland Wetlands and Watercourses Agency).

1994 to 1996

Fugro East, Inc. *(Currently ENSR)*
Senior Project Manager/Environmental Scientist

- Office Manager for the firm's Connecticut office, responsible for day-to-day operations, marketing, and business development.
- Wetland delineations in accordance with state and federal criteria.
- Natural resource inventories of upland, wetland and aquatic ecosystems, specializing in wildlife habitat assessments.
- Preparation of environmental compliance documentation for a variety of projects including large-scale commercial development.

1993 to 1994

A.D. Marble & Company, Inc.
Senior Environmental Planner/Wildlife Biologist

- Participated in the management of major transportation improvement projects and in the preparation of environmental documents in accordance with the National Environmental Policy Act (NEPA) while continuing involvement in the collection of baseline field data.
- Application of the Pennsylvania Department of Environmental Resources (PADER) hierarchical methodology for the selection of suitable wetland replacement sites.
- Field verification of Threatened, Endangered or Special Concern species listed by the Pennsylvania Game Commission.
- Wetland boundary identification in accordance with the unified PADER and U.S. Army Corps of Engineers (USACOE) methodology.

Professional Resume: *(continued)*

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SUPPLEMENTARY INFORMATION *(continued):*

1989 to 1993

**Soil Science & Environmental Services, Inc.
Wildlife Biologist & Soil Scientist**

- Acted as Project Manager responsible for field operations and report preparation for nearly 300 individual projects in over 75 towns in New England, including one town-wide wetland mapping, inventory and evaluation project.
- Wetland boundary delineation according to state and federal criteria (e.g., Connecticut and Massachusetts Statutes, USACOE methodologies).
- Ecosystem analyses and biological inventories of upland areas, tidal and inland wetlands, estuaries, streams, rivers, ponds and lakes.
- Environmental impact evaluations, including site plan review, analyses of proposed impacts and design of mitigation strategies.
- Local, state and federal permitting for impacts to natural resources, including wetlands.
- Implementation of water quality monitoring programs for streams and rivers.
- Design, construction supervision, and monitoring of wetland enhancement, restoration and creation.
- Aquatic biosurveys of streams and rivers utilizing standardized methods (e.g. EPA Rapid Bioassessment Protocols).
- Detailed faunal surveys and censuses using both active and passive methods (e.g. direct and indirect observation, live-trapping, point count avian censuses, pellet counts, etc.).
- Expert witness testimony for court and administrative proceedings.