



CATHERINE PEDEVILLANO
CR Environmental, Inc. 1997 to Present
Years with Other Firms: 14

SENIOR WETLAND ECOLOGIST
SENIOR ORNITHOLOGIST
ZOOLOGIST

AREAS OF SPECIALIZATION

- Wildlife Habitat Evaluations and Function & Values Assessments
- Wetland Delineation
- Environmental Impact Assessment Preparation
- Environmental Educator

EDUCATION

2002-present 40 hr OSHA Health & Safety Training and Refreshers
1995 Certified Wetland Scientist, Society of Wetland Scientists, Certified in HEP, USFWS
1988 Certified Associate Wildlife Biologist, The Wildlife Society
1986 M.S. Wildlife Resources, University of Idaho
1982 B.S. Wildlife Management, University of New Hampshire

WORK HISTORY

CR Environmental, Inc., Falmouth, MA part-time consultant	1997 – present
U.S. Fish and Wildlife Service, New England Field Office, Concord, NH	1990 – 1996
Owner - Artemis Environmental Services, Lexington, MA	1989 – 1990
Sanford Ecological Services, Southborough, MA	1986 – 1989
University of Idaho and University of New Hampshire Wildlife Departments	1979 – 1986

SUMMARY OF PROFESSIONAL EXPERIENCE

Ms. Pedevillano has over 20 years of experience as a wildlife biologist and wetland scientist working for both government agencies and private environmental consulting firms. Her expertise lies in wildlife habitat assessments, environmental impact report preparation, and wetland restoration. She has been responsible for writing and coordinating Environmental Impact Reports, regulatory compliance evaluations and wetland permitting at the federal, state and local levels; and has conducted wetland functional analyses, wildlife habitat field assessments, and developed wetland and wildlife habitat creation and restoration plans. Her research studies have investigated breeding birds in riparian corridors, the effectiveness of highway underpasses for wildlife, habitat use and food habits of wild turkeys, effects of prescribed burns on wildlife and plant communities, nesting success of common terns, and nutritional and energetics research on white-tailed deer. During six years at the U.S. Fish and Wildlife Service, New England Office in Concord New Hampshire she prepared numerous reports for use by USFWS, U.S. Environmental Protection Agency, U.S. Army Corps of Engineers New England Division and National Marine Fisheries Service to aid in decision making.

RELEVANT PROJECT EXPERIENCE

Larking Mill Dam Removal, Newbury, MA

As chief wildlife biologist conducted habitat evaluation and list of observed and potential wildlife in the riparian zone of an impoundment on the Parker River in Newbury, MA. Potential positive and negative impacts to wildlife habitat following Larkin Road dam removal were assessed.

National Park Service Minuteman National Park, Lexington and Concord, MA

Wetland delineation, vernal pool evaluation, and invasive species control for European Buckthorn for a proposed historic restoration of a home site at the Minuteman National Park.

Former Chadwick Lead Mill, Salem and Marblehead, MA

Wildlife habitat evaluation of the lead contaminated shoreline site at the head of Salem Harbor for permits required for site cleanup and habitat restoration.

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Northeast Sector Fresh Pond Reservation Restoration, Cambridge, MA

The primary goal of the *Fresh Pond Reservation Master Plan*, as adopted by the City of Cambridge in 2001, is preservation of water quality within Fresh Pond Reservoir, which the surrounding Reservation was intended to protect. Eroded wooded slopes and forest overrun by invasive shrubs and vines were characteristic conditions found in the Northeast Sector. Ms. Pedevillano conducted a wildlife habitat evaluation for 25+ acres in the northeast sector surrounding Fresh Pond Reservoir as a permit requirement of the proposed invasives (primarily European Buckthorn) control and habitat restoration. Implementation of the *Plan's* goals occurred through improvement of soil conditions by stabilizing eroded slopes, and by increasing native biodiversity through controlling invasive species, and native vegetation restoration at the Reservation.

Ludlow School, Northbridge School, Brockton Schools, Groton-Dunstable School, Proposed Auburn High School

Wetland delineations and wildlife habitat evaluations including rare species evaluations for blue spotted salamanders were conducted for school expansions or new constructions. Reports were prepared for inclusion in environmental permits, ENFs and EIRs.

Worcester Technical High School, Worcester, MA

Provided wetland and wildlife habitat evaluation support and expert testimony for vernal pool habitat located at the proposed site of the Worcester Vocational School. CR Environmental received an American Institute of Architects Central Massachusetts award for environmental and permitting support for Lamoureux Pagano Associates design following completion of the school's construction in 2007.

Brownfields Development, TeleCom City, Malden, Medford and Everett, MA

For Preotle, Lane and Associates conducted habitat evaluations for a proposed brownfields development site spanning three cities to be used for permits required from the US ACOE and local Conservation Commissions. River's Edge a mixed use development in Medford, MA on the Malden River has been constructed

Plainville, Landfill

Wildlife habitat evaluation and wetlands functional assessment in the vicinity of a contaminated groundwater plume the Plainville Landfill and Lake Mirimichi for a remedial investigation.

US FWS Senior Biologist

While at US Fish & Wildlife Service she was responsible for planning and conducting a variety of investigations to determine impacts of land and water development projects to fish and wildlife resources within wetlands and adjacent habitats. These included wildlife habitat assessments of wetlands under the jurisdiction of Section 10/404 of the Clean Water Act. Methodologies used included the Habitat Evaluation Procedures (HEP), Wetland Habitat Indicators for Non-Game Species (WETHings), and professional judgment. Wildlife habitat assessment reports were prepared for use by USFWS, US EPA, US ACOE, and National marine Fisheries Service to aid in decision making. Other duties included developing and implementing wetland restoration plans, attending interagency meetings, conducting field trainings and public outreach through written and oral communication. She authored *Habitat values of New England wetlands* for the U.S. Army Corps of Engineers and U.S. Fish & Wildlife Service in 1995.

PUBLICATIONS

Pedevillano, C. 1995. Habitat values of New England wetlands. U.S. Army Corps of Engineers. U.S. Fish & Wildlife Service. 34 pp.

Pedevillano, C. and R. G. Wright, 1987. The influence of visitors on mountain goat activities in Glacier National Park. Biological Conservation 39: 1-11.

Pedevillano, C. 1986. Mountain goat use of a mineral lick and highway underpasses in Glacier National Park, Montana. M.S. thesis University of Idaho, Moscow. 110 pp.

Singer, F. J., C. Pedevillano and R. G. Wright. 1985. Ungulates, highways and national parks. Park Science 5: 20-21.