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## **LAURA LAPIERRE, PWS/NHCWS**

### **Wetland Scientist, Wildlife Biologist, Botanist**

Ms. Lapierre has over seven years of experience evaluating wetland and terrestrial ecosystems throughout northeastern North America. She has a diverse technical skill base including natural resource delineation, bat and bird acoustic studies, botanical surveys, rare species surveys, Geographical Information Systems (GIS) mapping, and report preparation. At Normandeau, she has been the technical lead for northeastern bat acoustic studies, performed botanical surveys, managed projects, and has conducted wetland inventories on many wind, transportation, and transmission line projects.

#### **SELECTED PROJECT EXPERIENCE**

TransCanada (2012) –Wilder, Bellows Falls, and Vernon Dam pre-licensing study. Surveyed for the presence of state-listed rare, threatened and endangered species and exemplary communities along over 120 miles of river, island and shoreline project lands. Botanist.

Appalachian Power Company (2012) – Smith Mountain Hydroelectric Project, VA. Completed annual submerged aquatic vegetation study for Smith Mountain and Leesville Lakes in compliance with FERC license. Analyzed data and wrote annual report. Project Manager/Botanist.

Sunoco Project Black (2012) – Lead field effort to delineate wetlands and streams along 80 mile corridor for proposed petroleum products pipeline between Tifton and Easton, OH. Oversaw completion of resource delineations, GPS data collection, QA/QC of data, and completion of data forms and collection of ancillary data. Lead Wetland Scientist.

Confidential Wind Project (2011) – Lead field effort to delineate wetlands, streams and vernal pools as well as conducted bat acoustic monitoring study at a proposed wind project in eastern Maine. Bat Biologist, Field Coordinator, Wetland Scientist.

Public Service of New Hampshire (PSNH) 381 Transmission Line Project (2011) – Performed wetland, stream and vernal pool delineations in support of line upgrading. Wetland Scientist.

Confidential Wind Project (2011) – Conducted, analyzed, and reported on bat acoustic monitoring study for proposed wind project in western Maine. Inventoried wetlands, streams and vernal pools within project area. Bat Biologist, Wetland Scientist.

Confidential Wind Project (2011) - Conducted bat acoustic monitoring study to support environmental permitting for a proposed wind project in southwestern MA. Bat Biologist.

Northern Pass Transmission Line – Northeast Utilities – New Hampshire (2010-present) Inventoried wetlands, streams and vernal pools along proposed line from Deerfield to Lancaster, NH. Performed rare mammal

#### **EDUCATION**

M.S. 2008, Biology, McGill University, Montreal, Quebec, Canada  
B.S. 2005, Environmental Biology, Unity College, Unity, Maine

#### **PROFESSIONAL EXPERIENCE**

2008-Present Normandeau Associates  
2005-2008 McGill University  
2004-2004 Vermont State Parks  
2003-2003 Manomet Center for Conservation Science

#### **PROFESSIONAL CERTIFICATIONS**

Professional Wetland Scientist #2296 – Society of Wetland Scientists Professional Certification Program  
Certified Wetland Scientist #282 – New Hampshire Joint Board of Licensure and Certification

#### **PROFESSIONAL AFFILIATIONS**

Maine Association of Wetland Scientists  
New England Wildflower Society  
New Hampshire Association of Natural Resource Scientists  
Association of Massachusetts Wetland Scientists  
CT Association of Wetland Scientists

tracking surveys. Assisted in data management, mapping and rare plant surveys. Wetland Scientist, Wildlife Biologist.

Nantucket Community Wind Project (2010) – Avian impact assessment for proposed 1500kW wind turbine to meet State and Federal wildlife-related permitting requirements. Wildlife Biologist.

Deluca Hoffman (2010-2011) – Three wetland mitigation projects monitoring. Belfast, Dexter and Gorham, Maine. Wetland Scientist, Project Manager.

Confidential Wind Project (2010) – Conducted bat acoustic monitoring study to support environmental permitting for a proposed 20 MW project in southwestern MA. Bat Biologist.

Confidential Wind Project (2010 – Present) – Wetland, stream and vernal pool inventory and reporting for a potential wind farm in central NH. Navigated through remote parcels of land to perform wetland delineations, function and values assessments and inventory of vernal pools. Wetland Scientist.

Vermont Electric Power Company (VELCO) Ascutney Substation Project (2010-2011) – Conducted wetland, stream, and vernal pool delineations in support of a new substation and associated transmission lines in central Vermont. Wetland Scientist.

Androscoggin Trail (2010) – Surveyed for rare, threatened and endangered plants of proposed bicycle and pedestrian trail. Botanist.

First Wind (2009-2010) – Technical lead for acoustical bat monitoring for a proposed wind energy facility in Brimfield, MA. Also responsible for data processing, call identification and reporting. Bat Biologist.

Maine Department of Environmental Protection (2009) - Reviewed the accuracy of Central Maine Power's delineation of jurisdictional resources within the project area including wetlands, vernal pools, streams, and surface water bodies along segments of proposed 300 mile utility corridor upgrade. Wetland Scientist.

First Wind (2008-2010) – GPS data collection, wetland delineation, vernal pool surveys, bat surveys, and rare species search on a confidential wind project in Maine. Deployed Anabat hardware for bat acoustic monitoring. Utilized ArcGIS to prepare natural resource maps and report figures. Wetlands Scientist, Wildlife Technician, and GIS Technician.

Constellation Energy (2008-2009) - Nine Mile Point Nuclear Facility. Indiana bat habitat study and wetland impact analysis to support expansion of an energy facility in Oswego, NY. Utilized ArcGIS to edit or create a dozen figures for the final report. Bat Biologist and GIS Technician.

Confidential Wind Client (2009) – Critical issues analysis for potential wind site in Maine. Conducted viewshed analysis using GIS. Created natural resource maps for report. GIS Technician.

NH Department of Transportation (2009) – Conducted vernal pool survey on 200 acre site for proposed Exit 4A of interstate 93 in Londonderry. Wetland Scientist.

East Coast Greenway Trail System, Maine (2009) – Four mile proposed bicycle and pedestrian trail. Delineated wetlands and vernal pools; surveyed for protected plant species. Botanist, Wetland Scientist.

Amsterdam Property (2009) – Vernal pool and wetland delineation for residential development. Conducted vernal pool survey, delineated wetlands and created figures for report. Wetland Scientist.

Confidential Wind Client (2009) – Desktop study of potential environmental impacts of a proposed 55 mile potential transmission line. Utilized ArcGIS to analyze impacts and create graphics for final report. GIS Technician.

North East Ecological Services (2008-2009) – Conducted first phase bat acoustic analysis using Analook software for Wind projects throughout the Northeast. Equipment maintenance and support. Wildlife Technician.

Sherwood Design Engineers (2008-2009) – GPS, GIS mapping and wetland delineation on Ragged Mountain, New Hampshire. Wetlands Scientist and GIS Technician.

NH Department of Transportation, Bald Eagle Monitoring and Management Plan (2008-2009) – Wintering eagle monitoring, GIS mapping. Wildlife Biologist.

FirstLight Power Resources, Inc. (2008-2012) – Rare plant surveys and point data collection for the Bulls Bridge Project. ArcGIS figure creation. Botanist and GIS Technician.

## **SPECIAL TRAINING**

Anabat Techniques and Anabat Analysis Workshops

Vermont Trapper's Education Certification

OSHA-40 Hours Safety Certification

Wilderness First Aid

U.S. Army Corps of Engineers Wetland Delineator Methods Course

## **SELECTED PRESENTATIONS**

Waterway, M.J., Hoshino, T., Masaki, T., Lapierre, L., Lechowicz, M.J., Dabrose, A., Dragon, J., Bruhl, J.J., Wilson, K. 2009. Evolution of flooding tolerance in *Carex*, subgenus *Carex* (Cyperaceae). (*presentation*) Botany and Mycology (Snowbird, UT).

Plourde, L. 2005. Relationship between beetle diversity (*Coleoptera: Carabidae*) and plant diversity in Vermont forests. (*poster*) Ecological Society of America's Annual Meeting (QC, Canada).

