

Elizabeth M. Annand

Project Manager
Certified Wildlife Biologist



Stantec

Capabilities

Federal and State Environmental Permitting:

- National Environmental Policy Act (NEPA) and Endangered Species Act (ESA)
- Maine Natural Resources Protection Act (NRPA) and Site Location of Development Act
- Federal Energy Regulatory Commission (FERC) - Natural Resource Reporting for LNG and Hydropower

Natural Resource Evaluations and Ecological Studies:

- Integrated Natural Resource Management Plans
- Endangered and Threatened plants and animals
- Rare plants and Natural Communities
- Unusual Natural Areas
- Critical, Essential, and Significant Wildlife and Fisheries habitats
- Terrestrial and aquatic plant and animal surveys/monitoring, including herpetiles, birds, mammals, fish, and insects
- Wetland assessment and post-construction monitoring

Risk Assessment:

- Massachusetts Contingency Plan (310 CMR 40)
- Research and writing support for Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Superfund Projects
- Ecological characterization
- Natural Resource Damage Assessment (NRDA)

Education

M.S. Wildlife Biology, 1995, University of Missouri

B.S. Wildlife Management and Botany, 1991, Delaware State College

Affiliations

National and Maine Chapter of the Wildlife Society
New England Wildflower Society
New England Plant Conservation Program

Certifications

- Certified Wildlife Biologist
- Bat Conservation International Certification – Bat Acoustic Monitoring/Bat Conservation and Management
- Mine Safety and Health Administration- 40 hour Surface Mine Worker Training

Elizabeth Annand is a wildlife biologist with 13 years experience in the Natural Resource Management field. She specializes in evaluating and managing various biological resources (animals, plants, etc.) in conjunction with other resource demands. She has a solid understanding of ecological concepts and wildlife management techniques.

Ms. Annand has extensive experience composing and reviewing federal and state environmental permitting documents for projects of all sizes and is well versed in relating ecological principles to rules and regulations. She is also proficient in developing field survey investigations, including data collection, data analysis, and technical reporting. She is a veteran field scientist and has conducted work in six regions of the United States.

Experience

Stantec Consulting, Topsham, ME. 2007-present.
Project Manager.

Woodlot Alternatives, Inc., Topsham, ME. 2002-2007. Project Manager.

Devine Tarbell & Associates, Inc., Portland, ME. 2005-2006. Wildlife Biologist.

USGS- Biological Resources Division, Augusta, ME. 2004-2005. Wildlife Biologist.

Pioneer Environmental Services, Inc., Logan, UT. 1999-2002. Wildlife Biologist.

Utah Division of Wildlife Resources, Ogden, UT. 1998-1999. Wildlife Biologist.

Powder River Eagle Studies, Inc., Gillette, WY. 1996-1997. Wildlife Biologist.

University of Missouri, Columbia, MO. 1995-1996. Research Specialist.

Michigan-California Lumber Company, Camino, CA. 1991-1992. Wildlife Biologist.

Bureau of Land Management, Klamath Falls, OR. 1990. Biological Technician.

Delaware Division of Water Resources, Dover, DE. 1987-1988. Environmental Control Specialist.

Delaware Division of Fish & Wildlife, Milford, DE. 1986-1987. EEE Virus Surveillance Technician.

Contact: elizabeth.annand@stantec.com
(207) 729-1199

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Selected Project Experience

Liquefied Natural Gas Import Terminal and Pipeline, Environmental Permitting. Downeast LNG, Robbinston, ME.

Natural Resource Damage Assessment Method for Wetlands Affected by Hazardous Materials. Commonwealth of Massachusetts.

Hudson River Avian Egg Exposure to Hazardous Materials Study. NOAA and U.S. Fish & Wildlife Service.

Plan for Developing New Hampshire's Statewide Trail System for ATVs and Trail Bikes 2004 – 2008. State of New Hampshire Bureau of Trails.

Recent Publications

Annand, Elizabeth M. and Frank R. Thompson, III. 1997. Forest bird response to regeneration practices in central hardwood forests. *Journal of Wildlife Management* 61:159-171.

Donovan, Therese M., Peter W. Jones, Elizabeth M. Annand, and Frank R. Thompson, III. 1997. Variation in local-scale edge effects: Mechanisms and landscape context. *Ecology* 78:2064-2075.