

Amanda K. Weise

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Plant Conservation Experience

2018-Present, Plant Conservation Associate, Minnesota Landscape Arboretum, University of Minnesota

Currently responsible for supporting the development of the Plant Conservation Program through Endangered Species research, surveys and assessments; native orchid conservation research and restoration; data management, volunteer recruitment and training, project develop and implementation, and grant writing.

2017-2018, Consulting Botanist / Rare Plant Seed Collector

Served as a consulting botanist for various projects throughout New England with particular focus on rare plants species and their conservation.

2017, Restoration Ecologist, Massachusetts Natural Heritage and Endangered Species Program. Westborough, MA

Responsibilities included identifying and implementing ecological restoration projects to restore and maintain ecological integrity of significant native habitats in Massachusetts with emphasis on uncommon natural community types; monitoring and management of rare plant populations; rare plant seed collection; vegetation and natural communities monitoring to assess habitat management efficacy; spatial data processing, analysis and map making using ArcGIS.

2016-2017, Botanist, Oxbow Associates, Inc. Boxborough, MA

Responsible for developing and implementing botanical studies and habitat restoration projects; survey, capture, and telemetry of wildlife including venomous snakes, wetland delineation and evaluation; preparation and submission of filings for the Massachusetts Endangered Species Act and Wetlands Protection Act; spatial data processing, analysis and map making using ArcGIS; contracting, proposal writing, and budgeting; staff and contractor management and oversight.

2013-2016, Ecological Programs Coordinator, New England Wild Flower Society. Framingham, MA

Responsibilities included developing, permitting, implementing and evaluating restoration plans for natural communities and rare plant species on public and private conservation lands; designing and implementing research protocol; performing botanical inventories, natural community mapping, rare plant surveys and seed collection; invasive plant control; spatial data processing, analysis and map making using ArcGIS; writing and reviewing annual work plans and budgets; teaching workshops and classes; grant writing; managing fulltime and seasonal staff; and acting as the Society representative on local and regional plant conservation committees.

2008-2012, Biological Science Technician (Plants), Seasonal, U.S. Forest Service. Campton, NH

Responsible for management of the Non-Native Invasive Species Program; rare plant, vegetation, and wetland surveys; spatial data processing and map-making using ArcGIS; high elevation bird surveys; trout and salmon surveys using backpack shockers; culvert-fish passage assessments; installation and maintenance of native plant gardens; management of seasonal and full-time staff; and educational outreach.

Education

M.S. Natural Resources, Environmental Conservation

University of New Hampshire (Graduated 2012)

Research: Comparison of Two Invasive Species Database Systems for Application in New Hampshire

B.A. Biology, Ecology Focus

Western CT State University (Graduated 2008)

Research: A Systematic Study of the Genus *Oserya* (Podostemaceae)

A.S. Liberal Arts & Sciences

Naugatuck Valley Community College (Graduated 2005)

National Outdoor Leadership School (Graduated 2003)

Month-long wilderness expedition in Wyoming's Absaroka Mountains; studies included botany, wildlife, geology, wilderness first aid, environmental ethics, and outdoor leadership

Skills

Microsoft Word, Excel, Access, Outlook, PowerPoint
ArcGIS Software versions 9.3-10.6
NatureServe Biotics5, iMapInvasives and EDDMapS
Vernal Pool & Rare Species Information System (VPRS)
Ecological Integrity Assessment (EIA) Method
Wetland Delineation & Hydric Soil Assessment
DRN Garmin & Trimble Software

Garmin 60csx & Trimble GPS Receivers
Radio Telemetry
JMP Statistical Software
Backcountry Navigation & Wilderness First Aid
Certified Sawyer/Chainsaw Operator
Certified Arborist
Experienced Tree Climber

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Additional Information

Affiliations: New England Plant Conservation Program Regional Advisory Committee, Massachusetts Invasive Plant Advisory Group

Memberships: Botanical Society of America, New England Botanical Club, New Hampshire Botanical Club, New York Flora Association, International Society of Arboriculture (ISA)

Funding: APGA-USFS Tree Gene Conservation Partnership Grant (2018) Les Mehrhoff Research Fund (2018), National Parks Service (2014-2016), Friends of Acadia (2016), U.S. Fish & Wildlife Service (2016), Fields Pond Foundation (2015), Northeast IPM Center (2012)

Scholarships: University of New Hampshire Teaching Assistant Fellowship (2011); Farrington Scholarship (2011); Danbury Garden Club Scholarship (2007); W. Jason & Ellen Hancock Scholarship (2007); Western CT State University (WCSU) Dept. of Biological & Environmental Sciences Scholarship (2007); WCSU Biology Dept. Distinguished Graduating Senior Award (2008)

Licenses & Certifications: MA Pesticide Applicator #41806, CT Arborist #S-5652, Ecological Integrity Assessment Certification, PADI Certified Open Water Scuba Diver, Vernal Pool Assessment, Wilderness First Aid & CPR (expired)

Volunteer Experience: New England Plant Conservation Volunteer (2012-Present), UMass Herbarium (2018), Women's Tree Climbing Workshop Instructor (2009-Present), ISA-New England Chapter Tree Climbing Competition Judge (2009), Connecticut Tree Climbing Competition Judge (2006-2008), Stream Assessment Surveys (2006)