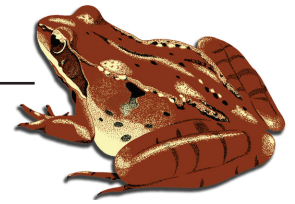


# Matthew R. Burne, M.S.

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## EDUCATION

- May 2000      **Master of Science** Wildlife and Fisheries Conservation  
University of Massachusetts Amherst, Amherst, MA
- May 1993      **Bachelor of Science** Environmental Science/Wetland Ecology (Botany)  
University of Massachusetts Amherst, Amherst, MA

## EXPERIENCE AND SKILLS

- 7/2005 - present      **Conservation Director**  
Walden Woods Project, Lincoln, MA
- Land conservation strategy and implementation;
  - Land management, including public access and invasive species management;
  - Conservation Restriction design, negotiation, base-line documentation, and monitoring
  - Development, Advocacy, Promotion support;
  - Education program development and support;
  - Served on MA DCR Forest Futures Visioning Process Technical Steering Committee (2010);
  - Co-founded Su-As-Co Cooperative Invasive Species Management Area.
- 1/2004 - 6/2005      **Biology Teacher**  
Reading Memorial High School, Reading, MA
- 3/2003 - present      **Independent Wetlands and Wildlife Consulting**  
Vernal pool and wetlands wildlife habitat assessment; rare species survey focused primarily on turtle and amphibian species.
- Graphic Design / Scientific Illustration**
- 9/1995 - 2/2003      **Vernal Pool Ecologist**  
Massachusetts Natural Heritage & Endangered Species Program, Westboro, MA
- Conducted research and field surveys of vernal pools, state-listed reptiles and amphibians, and aquatic macroinvertebrates;
  - Provided NHESP biologists, Land Protection Specialists, Environmental Reviewers, and data management personnel with technical expertise and assistance;
  - Provided vernal pool education and outreach to educators, citizen groups, local, state, and federal resource agency personnel, and to land owners and industry groups;
  - Oversaw the Massachusetts Vernal Pool Certification Program; created the Massachusetts Potential Vernal Pool Survey; produced publications to benefit the public and promote NHESP; contributed to BioMap and BioMap II;
- 10/1993 - 2/2003      **Wetlands Environmental Review Assistant**  
Massachusetts Natural Heritage & Endangered Species Program, Westboro, MA
- Reviewed Wetlands Protection Act Notices of Intent and Forest Cutting Plans for compliance with rare species performance standards;
  - Coordinated with federal, state, and local agencies, permit applicants, and representatives;
  - Managed wetlands environmental review program workflow and projects database of over 500 projects per year;
  - Worked with and advised members of the scientific, regulatory, and regulated communities.

### KNOWLEDGE & SKILLS

Deep familiarity with Massachusetts and federal wetlands regulations, Massachusetts forestry regulations, and Title 5 of the Massachusetts Environmental Code, especially as they relate to vernal pools;  
Aerial photographic interpretation, wetlands identification, delineation, and classification;  
Soil morphology and classification training;  
Ecological and biological inventory and monitoring with particular expertise in reptile, amphibian, and aquatic macroinvertebrate techniques and practices;  
Extensive experience providing technical expertise and advice to biologists and scientists, land protection professionals, environmental reviewers, data managers, and the general public;  
Design, development, and delivery of Professional Development programs for teachers and conservation professionals;  
Natural and social history interpretation for elementary, middle and high school groups, educators, and the general public;  
Contracting with vendors for services including print and digital assets, and organizational promotional assets;  
Computer proficiency, including MS Word and Excel, imaging and design/layout and database packages, Geographic Information Systems (GIS), web development;  
Graphic design, scientific illustration, desk-top publishing, and pre-press publication preparation;  
Grant writing;  
Technical report preparation.

### PRESENTATIONS & WORKSHOPS

#### SYMPOSIA AND PROFESSIONAL MEETINGS

- 2001 - 2020 Burne, M.R. and L.P. Kenney. 2001 - 2020. Vernal Pool Identification, Protection, and Education. MACC Annual Environmental Conference, Worcester, MA
- 2019 Burne, M.R. Wicked Awesome Puddles. MACC Lunch & Learn Webinar Series
- 2019 Burne, M.R. Keynote Address. Michigan Vernal Pools Partnership Annual Partnership Meeting, Ann Arbor, MI
- 2017 Burne, M.R. Wicked Neat: the natural history of vernal pools. New York Natural History Conference, Long Island, NY
- 2010 Burne, M.R. How the Best Available Protection Isn't Quite: Vernal Pool Protection in Massachusetts. Vulnerable Wetlands Forum, Plymouth, MA
- 2008 Burne, M.R. 2008. Living with vernal pools on the landscape. Massachusetts Land Trust Conference, Worcester, MA
- 2003 Burne, M.R. Vernal pool protection in Massachusetts. Woodland Vernal Pool Symposium, The Wildlife Society Annual Meeting, Burlington, VT
- 2000 Burne, M.R. State and local protection of vernal pools in Massachusetts. Vernal Pools of the Northeast Symposium, Providence, RI
- 1999 Burne, M.R. Habitat and landscape characteristics associated with amphibian breeding community richness in Concord, MA. Northeast Fish and Wildlife Conference, Concord, NH

#### COMMUNITY AND NATURAL RESOURCE AGENCY OUTREACH

- 2004 - 2015 Vernal Pools for Conservation Professionals Professional Development Workshops. Produced in association with NHESP, MACC, Vernal Pool Association, and Walden Woods Project
- 2004 - 2015 Vernal Pools for Educators Professional Development Series. A state-wide series produced in association with the Vernal Pool Association, presented to nearly 1,000 teachers in Massachusetts and the northeast
- 1997 - 2000 Vernal Pools for Federal Regulators workshop, presented to EPA and Army Corps of Engineers staff