

ARAM J.K. CALHOUN

Address: Department of Wildlife Ecology
5755 Nutting Hall, University of Maine
Orono, ME 04469
Phone: (207) 581-3010
Fax: (207) 581-2858
Email: calhoun@maine.edu

Education: Ph.D. 1996. Department of Plant Biology and Pathology, University of Maine.
M.S. 1989. Department of Natural Resources Science, University of Rhode Island.
M.A. 1985. Department of Education, Rhode Island College.
A.B. 1981. Brown University, Providence, Rhode Island.

Summary of Professional Experience

Associate Professor of Wetland Ecology, Department of Wildlife Ecology, UMaine. 2007-present.

Associate Professor of Wetland Ecology. Department of Plant, Soils, and Environmental Sciences, UMaine. 2004- 2007.

Assistant Professor of Wetland Ecology. Department of Plant, Soils, and Environmental Sciences, University of Maine. 1998-2004.

Wetland Scientist, Department of Conservation, Maine Audubon Society. 1996-present.

Assistant Research Professor. Department of Applied Ecology and Environmental Sciences, University of Maine. 1996-1997.

Research Assistant. University of Maine, Department of Plant Biology, Orono, Maine. Researched the effects of freshwater marsh plants on methane budgets. 1991-1996.

Publications

Lindenmayer, D. et al. 2008. Ecological Management of Landscapes for Conservation - Are There Guiding Principles?. Ecology Letters.

Baldwin, R. F., P. G. deMaynadier, and A. J. K. Calhoun. 2007. *Rana sylvatica* Predation. Herpetological Review **38**:194-195.

Cunningham, J., A.J.K. Calhoun, and W. E. Glanz. 2007. Pond-breeding amphibian species richness and breeding habitat selection in a beaver-modified landscape. Journal Wildlife Management 71: 2517-2526.

Patrick, D., A.J.K. Calhoun, M. L. Hunter, Jr. 2007. The orientation of juvenile wood frogs, *Rana sylvatica*, leaving experimental ponds. Journal of Herpetology 41:158-163.

Oscarson, D. and A.J.K. Calhoun. 2007. Developing vernal pool conservation plans at the local level using citizen scientists. Wetlands 27: 80-95.

Vasconcelos, D. and J. K. Calhoun. 2006. Monitoring created seasonal pools for functional success: a six-year case study of amphibian responses, Sears Island, Maine, USA. Wetlands 26:992-1003.

Cunningham, J., A.J.K. Calhoun, W. E. Glanz. 2006. Patterns of beaver colonization and wetland change in Acadia National Park: Implications for pond-breeding amphibian species distribution. Northeastern Naturalist 13:583-596.

- Baldwin, R., A.J.K. Calhoun, and P. G. deMaynadier. 2006. Conservation planning for amphibian species with complex habitat requirements: a case study using movements and habitat selection of the wood frog (*Rana sylvatica*). *Journal of Herpetology* 40:443-454.
- Patrick, D., M.L. Hunter, and A.J.K. Calhoun. 2006. Effects of experimental forestry treatments on a Maine Amphibian Community. *Forest Ecology and Management* 234:323-332.
- Baldwin, R.F., A.J.K. Calhoun, and P.G. deMaynadier. 2006. The significance of hydroperiod and stand maturity for pool-breeding amphibians in forested landscapes. *Canadian Journal of Zoology*. 84:1604–1615.
- Calhoun, A.J.K., N. Miller, and M. W. Klemens. 2005. Conservation strategies for pool-breeding amphibians in human-dominated landscapes. *Wetlands Ecology and Management* 13:291-304.
- Hunter, M.L. Jr., A. Calhoun, and D. S. Wilcove. 2004. Goliath Heron fishing with an artificial bait? *Waterbirds* 27:312-313.
- Vasconcelos, D. and A.J.K. Calhoun. 2004. Movement patterns of adult and juvenile wood frogs (*Rana sylvatica*) and spotted salamanders (*Ambystoma maculatum*) in three restored vernal pools. *Journal of Herpetology* 38:551-561.
- Calhoun, A.J.K., T. Walls, M. McCollough, and S. Stockwell. 2003. Developing conservation strategies for vernal pools: a Maine case study. *Wetlands* 23:70-81.
- Calhoun, A.J.K., A. Reeve, and M. McGarry. 2003. Wetland connections: linking University research initiatives to high school science education. *J. of Geoscience Education*. Sept.
- Lichko, L. and A.J.K. Calhoun. 2003. An Assessment of vernal pool creation attempts in New England: A Review of project documentation from 1991-2000. *Environmental Management* 32: 141-151.
- Almquist, H. A. and A. J. K. Calhoun. 2003. A coastal outlier patterned fen: Lily Fen, Swans Island Maine. *Northeastern Naturalist* 10: 119-130.
- Baldwin, R. and A.J.K. Calhoun. 2002 . Differential predation on ambystomatid egg masses by *Rana sylvatica*. *Herpetological Reviews* 33:44-45.
- Calhoun, A.J.K. and G.M. King. 1998 Characterization of root-associated methanotrophs from three aquatic macrophytes: *Pontederia cordata*, *Sparganium eurycarpum*, and *Sagittaria latifolia*. *Applied and Environmental Microbiology* 64:1099-1105.
- Calhoun, A.J.K. and G. M. King. 1997. Regulation of root-associated methanotrophy by oxygen availability in the rhizosphere of two aquatic macrophytes. *Applied and Environmental Microbiology* 63:3051-3058.

Edited Books

- Calhoun, A.J.K. and P.G. deMaynadier. 2008. Science and conservation of vernal pools in northeastern North America. CRC Press, Boca Rotan, FL, USA.
- Hunter, M. L. Jr., A.J. K Calhoun, M. McCollough, (eds.) 1999. Maine amphibians and reptiles. University of Maine Press, Orono, ME. 252 pp.

Book

- Hunter, M.L., D. B. Lindenmayer, and A.J. K. Calhoun. 2007. Saving the Earth as a career: Advice on becoming a conservation professional. Blackwell Publishing.

Book Review

- Calhoun, A.J.K. 1998. Book Review. Northern forested wetlands: ecology and management. *Forest Science* 44: 329-330.

Book Chapters (peer-reviewed)

- Calhoun, A. J. K. 2007. Principles for conserving wetlands in the context of landscape management. Pages 429-444 *In: Hobbs, R. and D. B. Lindemayer (eds.) Managing and designing landscapes for conservation: moving from perspectives to principles.*
- Calhoun, A.J. K. and P. Reilly. 2008. Conserving vernal pool habitat through community based conservation. *In: Calhoun, A. J. K. and P.G. deMaynadier (eds). Science and conservation of vernal pools in northeastern North America. CRC Press.*
- Windmiller, B. and A.J.K. Calhoun. 2008. Conserving vernal pool wildlife in urbanizing landscapes *In: Calhoun, AJK and P.G. deMaynadier (eds). Science and conservation of vernal pools in northeastern North America. CRC Press.*
- Calhoun, A .J. K. and M. L. Hunter. 2003. Managing ecosystems for amphibian populations. Pages 228-241 *in R. D. Semlitsch (ed). Amphibian Conservation. Smithsonian Institution Press, Washington, D.C.*
- Calhoun, A.J.K. 1999. Forested wetlands. Pages 300-334 *in M. L. Hunter, editor. Managing forested ecosystems for biodiversity. Cambridge University Press, Cambridge, UK.*

Technical Reports:

- Calhoun, A. J. K. and P. deMaynadier. 2003. Forestry habitat management guidelines for vernal pool wildlife in Maine. Wildlife Conservation Society Technical Paper #6 Rye, New York.
- Calhoun, A.J.K. 2003. Maine Citizen's guide to locating and documenting vernal pools (3rd edition). Maine Audubon Society, Falmouth, Maine.
- Calhoun, A.J.K. and M. W. Klemens. 2002. Best development practices for pool-breeding amphibians in commercial and residential developments. Wildlife Conservation Society Technical Paper #5. Rye, New York.

Public Service

- Outdoor Heritage Fund, Board Member 2007-present.
 Associator Editor, *Wetlands* 2006- present.
 Forest Society of Maine, Board Member, 2005-present.
 Scientific Advisory Committee for the Penobscot Partners, 2004-present. (Maine Audubon representative)
 Steering Committee, Penobscot Partners, 2006-present. (Maine Audubon representative)
 Society for Conservation Biology, Board Member and Chair Student Affairs, 1999-2007.
 Maine Student Chapter, Society for Conservation Biology, Faculty Advisor 2005-present

Advising

Chair or co-chair:

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| Jessica Jansucwitz (co-chair) | Ph.D. current |
| Kevin Ryan | MS current |
| Dawn Morgan | MS current (non-thesis) |
| Gordon Moore | MS current |
| Pilar Palacios (co-chair) | Ph.D. current |

Amanda Shearin (co-chair)	Ph. D. current
Terry Morley	Ph.D current
Damon Oscarson	M.S. current
David Patrick (co-chair)	Ph.D 2007.
Megan Gahl	Ph.D.2007.
Jacolyn Bailey	M.S. 2007.
Robert Baldwin	Ph.D 2005.
Jesse Cunningham (co-chair)	M.S. 2003.
Daniel Vasconcelos	M.S. 2003.
Mary Beth Kolozsvary	Ph.D 2003.
Lesley Lichko	M.S. 2001.