

ARAM J.K. CALHOUN

Professor of Wetland Ecology
Department Wildlife, Fisheries, and Conservation Biology
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(A) PROFESSIONAL PREPARATION

Brown University	A.B. (American Civilization)	1981
Rhode Island College	M.A. (Education)	1985
University of Rhode Island	M.S. (Wetland Ecology)	1989
University of Maine	Ph.D. (Plant Biology and Pathology)	1996

(B) APPOINTMENTS

2011-present	Professor of Wetland Ecology, Department Wildlife, Fisheries, and Conservation Biology, University of Maine
2011-2015	Director, Ecology and Environmental Sciences Program, University of Maine
2004-2011	Associate Professor Wetland Ecology, University of Maine; Wetland scientist MAS
1998-2004	Assistant Professor Wetland Ecology, University of Maine; Wetland scientist MAS
1996-1997	Assistant Research Professor, University of Maine; Wetland scientist MAS*

*Maine Audubon Society

(C) PUBLICATIONS

Peer-reviewed articles: (* graduate students)

Jansujwicz, J., Calhoun, A.J.K., Hutchins-Bieluch, K., McGreavy, B., Silka, L. & Sponarski, C. Localism “re-imagined: Building a robust localist paradigm for overcoming emerging conservation challenges. In review. *Environmental Management*

*Eakin, C., A.J.K. Calhoun, and M. Hunter, Jr. 2019. Indicators of wood frog condition in a suburbanizing landscape. *Ecosphere* 10. 10.1002/ecs2.2789.

*Eakin, C.J., Hunter, J.M., & Calhoun, A.J. 2019. The influence of land cover and within-pool characteristics on larval, froglet, and adult wood frogs along a rural to suburban gradient. *Urban Ecosystems* 22:493-505.

*Eakin, C., A.J.K. Calhoun, and M. Hunter, Jr. 2019. Effects of suburbanizing landscapes on vernal pool-breeding amphibian reproductive effort. *Herpetological Conservation and Biology* 14:515–532.

*Levesque V., AJK Calhoun, and E. Hertz. 2019 Vernal pool conservation: Innovative approaches to using and enhancing existing policy tools. *Case Studies in the Environment*. Article ID: CSE-2018-001636

*Levesque, V., AJK Calhoun, and KP Bell. 2019. Actions speak louder than words: Designing transdisciplinary approaches to enact solutions. *Journal of Environmental Studies and Sciences* 9: 1029-1041.

*Eakin, C.M. Hunter, Jr., and A.J.K. Calhoun. 2018. Bird and mammal use of vernal pools along an urban development gradient. *Urban Ecosystems* 21: 1029-1041. <https://doi.org/10.1007/s11252-018-0782-6>

*Kifner, L.H., Calhoun, A.J.K., S.A Norton, K.E. Hoffmann, and A. Amirbahman. 2018. Methane and carbon dioxide dynamics with four vernal pools in Maine, USA. *Biogeochemistry* 139: 275. <https://doi.org/10.1007/s10533-018-0467-5>

*Hoffmann, K., M. Hunter, Jr., A.J.K. Calhoun, and J. Bogart 2018. Post-breeding migration and habitat of unisexual salamanders in Maine, USA. *Journal of Herpetology* 52:273-281

Jansujwicz, J. S. and A.J.K. Calhoun. 2017. Community-based Strategies for Strengthening Science and Influencing Policy: Vernal Pool Initiatives in Maine. *Maine Policy Review* 26: 33-42

Creed, I.F. 2017. IF. Creed; CR. Lane; J N. Serran; LC. Alexander ;NB. Basu, AJ.K. Calhoun; J R. Christensen, M J. Cohen, C Craft, E D'Amico, E DeKeyser, L Fowler; H E. Golden, J W. Jawitz, P Kalla; L. K Kirkman, M Lang, S G. Leibowitz, DB. Lewis, J Marton, D L. McLaughlin, H Raanan-Kiperwas, M C. Rains, K C. Rains and L. Smith . Enhancing protections for vulnerable waters. *Nature Geoscience* 10:809–815.

*Feuka, A., *K Hoffman, ML Hunter, AJK Calhoun. 2017. Effects of light pollution on habitat selection in post-metamorphic wood frogs (*Rana Sylvatica*) and unisexual blue-spotted salamanders (*Ambystoma laterale x jeffersonianum*). *Herpetological Conservation and Biology* 12(2):470–476. ^[1]_[SEP]

*Groff LA, AJK Calhoun, CS Loftin. 2017. Amphibian terrestrial habitat selection and movement patterns vary with annual life history period. *Canadian Journal of Zoology*. Published on the web 22 March 2017, 10.1139/cjz-2016-0148

Calhoun, AJK, D. Mushet, LC Alexander, E.S.Dekeyser, L. Fowler, C.R.Lane, M.W.Lang, MC Rains, SC Richter, and SC Walls. 2017. The significant surface-water connectivity of "Geographically Isolated" Wetlands. DOI 10.1007/s13157-017-0887-3.

*Groff L., C.S. Loftin, and A.J.K. Calhoun. 2017. Predictors of Breeding Site Occupancy by Pool-Breeding Amphibians in Maine's Wetland-limited, Montane Landscapes. *Journal of wildlife management*. 81: 269–278. doi:10.1002/jwmg.21184.

Bauer, DM, KP Bell, EJ Nelson, and AJK Calhoun. 2017. Managing small natural features: a synthesis of emergent economic issues and opportunities. *Biological Conservation* 211:80-87.

Hunter, ML Jr., V Acuña, DM Bauer, KP Bell, AJK Calhoun, MR Felipe-Lucia, JA Fitzsimons, E González, M Kinnison, D Lindenmayer, C Lundquist, R Medellin, EJ Nelson, and P Poschlod. 2017. Conserving small natural features with large ecological roles: a synthetic overview. *Biological Conservation* 211:88-95.

Calhoun AJK, Mushet DM, Bell KP, Boix D, Fitzsimons JA, Isselin-Nondedeu F. 2017. Temporary wetlands: challenges and solutions for protecting a "disappearing" ecosystem. *Biological Conservation* 211:3-11.

*Villaseñor, N.R., Driscoll, D.A., Gibbons, P., Calhoun, A.J.K., & Lindenmayer, D.B. 2017. The relative importance of aquatic and terrestrial variables for frogs in an urbanizing landscape: Key insights for sustainable urban development. *Landscape and Urban Planning* 157:26-37.

Cohen, M.J., I.F. Creed, L. Alexander, N.B. Basu, A.J.K. Calhoun, et al. 2016. Do geographically isolated wetlands influence landscape functions? *Proceedings of the National Academy of Sciences* 113:1978-1986.

*Hoffmann, K., A. Calhoun, and M. Hunter. 2016. A Deep-Water Funnel Trap for Salamanders. *Herpetological Review* 47:31-32.

McGreavy, B., A. J. K. Calhoun, J. Jansujwicz and V. Levesque. 2016. Citizen science and natural resource governance: program design for vernal pool policy innovation. *Ecology and Society* 21:48. <http://dx.doi.org/10.5751/ES-08437-210248>

Dibello F.J., A.J.K. Calhoun, D.E. Morgan, and A.F. Shearin. 2016. Efficiency and detection accuracy using print and digital stereo aerial photography for remotely mapping vernal pools in New England Landscapes. *Wetlands* 36: 505-514.

*Levesque, V., A.J.K. Calhoun, and K.P. Bell. 2016. Turning contention into collaboration: Engaging power, trust, and learning in collaborative networks. *Society and Natural Resources* 1-16.

*Levesque, V.R., K.P. Bell, and A.J.K. Calhoun. 2016. Planning for sustainability in small municipalities: The influence of interest groups, growth patterns, and institutional characteristics. *Journal of Planning Education and Research* p.0739456X16655601.

*Groff, L.A., A.J.K. Calhoun, and C. Loftin. 2016. Hibernial ecology and habitat selection of wood frogs (*Lithobates sylvaticus*) in a northern New England montane landscape. *Journal of herpetology*. <http://dx.doi.org/10.1670/15-131R1>

Hunter, M.L., P. Barton, and A.J.K. Calhoun et al. 2016. Two roles for ecological surrogacy: Indicator surrogates and management surrogates. *Ecological Indicators* 63: 121-125.

Lindenmayer, D., J. Pierson, P. Barton, M. Beger, C. Branquinho, A.J.K. Calhoun, T. Caro, J. Gross, J. Heino, M. Hunter, P. Lane, C. Longo, K. Martin, W. H. McDowell, C. Mellin, H. Salo, A. Tulloch, and M. Westgate. 2015. A new framework for selecting environmental surrogates. *Science of the total environment*. 538:1029-1038.

- Mushet, D.M., A.J.K. Calhoun, L.C. Alexander, et al. 2015. Geographically isolated wetlands: Rethinking a misnomer. *Wetlands* 35: 423-431.
- *Groff, L, A. Pitt, R. Baldwin, A. Calhoun, and C. Loftin. 2015 (in press). Evaluation of a waistband for attaching external radio transmitters to anurans. *Wildlife Society Bulletin* 39:610-615.
- *Groff, L.A., A.J.K. Calhoun and C.S. Loftin. 2015. *Lithobates sylvaticus* (wood frog) habitat use. *Herpetological Review* 46:234.
- *Ryan, K., J. Zydlewski, A. Calhoun, and B. Timm. 2015. Monitoring Eastern Spadefoot (*Scaphiopus holbrookii*) response to weather using a passive integrated transponder (PIT) system. *Journal of Herpetology* 49:257-263.
- *Ryan K. and A.J.K. Calhoun. 2014. Postbreeding habitat use of the rare, pure-diploid blue-spotted salamander (*Ambystoma laterale*). *Journal of Herpetology* 48:556-566.
- Capps K.A., R. Rancatti, N. Tomczyk, T. Parr, A.J.K. Calhoun, and M.L. Hunter, Jr. 2014. Biogeochemical hotspots in forested landscapes: Quantifying the functional role of vernal pools in denitrification and organic matter processing. *Ecosystems* 17:1455-1468.
- Calhoun A.J.K., J.S. Jansujwicz, K.P. Bell, and M.L. Hunter, Jr. 2014. Improving management of small natural features on private lands by negotiating the science-policy boundary. *Proceedings of the National Academy of Science* 111:11002–11006.
- Calhoun, A.J.K., J. Arrigoni, R.P. Brooks, M.L. Hunter, Jr., and S.P. Richter. 2014. Creating successful vernal pools: A literature review and advice for practitioners. *Wetlands* 34(5):1027-1038.
- *Ryan, K., A. Calhoun, and J. Zydlewski. 2014. Using passive integrated transponder (pit) systems for terrestrial detection of blue-spotted salamanders (*Ambystoma laterale*) in situ. *Herpetological Conservation and Biology* 9:97–105.
- *Jansujwicz, J.S., A.J.K. Calhoun, J.E. Leahy, and R.J. Lillholm. 2013. Using mixed methods to develop a frame-based private landowner typology. *Society and Natural Resources* 0:1-17.
- *Jansujwicz J.S., A.J.K. Calhoun, and R. Lillholm. 2013. The Maine Vernal Pool Mapping and Assessment Program: Engaging municipal officials and private landowners in community-based citizen science. *Environmental Management* 52:1369–1385.
- *Shearin A., A.J.K. Calhoun, and C. Loftin. 2012. Evaluation of listener-based amphibian surveys with automated recording devices. *Wetlands* 32:737–751
- *Popescu D., M.L. Hunter, *D. Patrick, and A.J.K. Calhoun. 2012. Predicting the response of amphibian communities to disturbance across multiple temporal and spatial scales. *Forest Ecology and Management* 270:163–174.
- *Freeman, R.C., K.P. Bell, A.J.K. Calhoun, and C.S. Loftin. 2012. Incorporating economic models into vernal pool conservation planning: using local land use regulations to enhance state regulations. *Wetlands* 32:50-320.
- Loftin, C.S., A.J.K. Calhoun, S.J. Nelson, A. Elksus, and K. Simon. 2012. Does mercury bioaccumulate in wood frog larvae developing in seasonal woodland pools? *Northeast Naturalist* 19:579–600.

- *McGreavy, B., T. Webler, and A.J.K. Calhoun. 2012. Local decision maker attitudes to vernal pool conservation in Maine. *Journal of Environmental Management* 95:1-8.
- *Greenspan, S., A.J.K. Calhoun, J.E. Longcore, and M.G. Levy. 2012. Transmissions of *Batrachochytrium Dendrobatidis* to wood frogs (*Lithobates sylvaticus*) via a Bullfrog (*L. catesbeianus*) vector. *Journal of Wildlife Diseases* 48(3)575–582.
- *Greenspan S.E., J.E. Longcore, and A.J.K. Calhoun. 2012. Host invasion by *Batrachochytrium dendrobatidis*: Fine structure of the amphibian chytrid in model anurans. *Diseases of Aquatic Organisms* 100:201–210.
- *Morley, T.R., A.S. Reeve, and A.J.K. Calhoun. 2011. The role of headwater wetlands in altering stream flow chemistry in a Maine, USA, catchment. *Journal of American Water Resources Association* 47:337-349.
- *Gahl, M.K. and A.J.K. Calhoun. 2010. The role of multiple stressors in ranavirus-caused amphibian mortalities in Acadia National Park wetlands. *Canadian Journal of Zoology* 88:108-121.
- Hart, D. and A.J.K. Calhoun. 2010. Rethinking the role of ecological research in the sustainable management of freshwater ecosystems. *Freshwater Biology* 55:258–269.
- *Morley, T.R. and A.J.K. Calhoun. 2009. Vegetation characteristics of forested hillside seeps in eastern Maine, USA. *The Journal of the Torrey Botanical Society* 136:520-531.
- Semlitsch, R.D.,*B.D. Todd, *S.M. Blomquist, A.J.K. Calhoun, J.W. Gibbons, J.P. Gibbs, *G.J. Graeter, *E.B. Harper, *D.J. Hocking, M.L. Hunter, Jr., *D.A. Patrick, *T.A.G. Rittenhouse, and B.B. Rothermel. 2009. Effects of Timber Harvest on Amphibian Populations: Understanding Mechanisms from Forest Experiments. *BioScience* 59:853–862.
- *Gahl, M.K., A.J.K. Calhoun, and R. Graves. 2009. Facultative use of seasonal pools by American bullfrogs (*Rana catesbeiana*). *Wetlands* 29:697-703.
- *Gahl, M.K. and A.J.K. Calhoun. 2008. Landscape setting and risk of *Ranavirus* mortality events. *Biological Conservation* 141:2679-2689.
- *Bailey, J.E. and A.J.K. Calhoun. 2008. Comparison of three physical management techniques for controlling variable-leaf milfoil in Maine Lakes. *Journal of Aquatic Plant Management* 46:163-167.
- *Patrick, D.A., *E. Harper, M.L. Hunter, A.J.K. Calhoun. 2008. Terrestrial habitat selection and strong density-dependent mortality in recently metamorphosed amphibians. *Ecology* 89:2563-2574.
- *Patrick, D.A., A.J.K. Calhoun, and M.L. Hunter. 2008. The importance of understanding spatial population structure when evaluating the effects of silviculture on spotted salamanders (*Ambystoma maculatum*). *Biological Conservation* 141:807-814.
- Lindenmayer, D. et al. 2008. A checklist for ecological management of landscapes for conservation. *Ecology Letters* 10:1-14.
- *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 of 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 A.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. *Journal of Geoscience Education* 51:387-397.
- *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. 1998. Book Review. Northern forested wetlands: Ecology and management. *Forest Science* 44:329-330.

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.

BOOKS:

1. Hunter, M.L., D.B. Lindenmayer, and A.J.K. Calhoun. 2015 (2nd edition). *Saving the Earth as a career: Advice on becoming a conservation professional*. Blackwell Publishing, VA.
2. Calhoun, A.J.K. and P.G. deMaynadier (eds.). 2008. *Science and conservation of vernal pools in northeastern North America*. CRC Press, Boca Rotan, FL.
3. 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, VA.
4. Hunter, M.L. Jr., A.J.K. Calhoun, M. McCollough (eds.). 1999. *Maine amphibians and reptiles*. University of Maine Press, Orono, ME.

BOOK CHAPTERS (PEER-REVIEWED):

Boix, D., Calhoun, A.J.K., Mushet, D. M., Bell, K.P., Fitzsimons, J.A., Isselin-Nondedeu, F. (2020). Conservation of Temporary Wetlands. In: *Encyclopedia of the World's Biomes* (eds Michael I. Goldstein and Dominik A. DellaSala), pp. 279-294. Elsevier, doi: <https://doi.org/10.1016/B978-0-12-409548-9.12003-2>

ISBN 9780128160978

Calhoun, AJK, V. Levesque, and E. Hertz. *In press*. The Maine Vernal Pool Special Area Management Plan: A tool to conserve vernal pool ecosystems and support municipal growth. Pages xx in *Strategies for Conservation Success in Herpetology*, S.C. Walls and K.M. O'Donnell (editors), Society for the Study of Amphibians and Reptiles, Herpetological Conservation Series, Vol. 4.

Colburn, EA and AJK Calhoun. 2017. Vernal pools of northeastern North America Pages 1-14 *In*: Finlayson, C.M., NC Davidson, GR Milton, and C. Prentice (eds). *The Wetland Book: Distribution, Description and Conservation*. Springer.

Greig, H. and AJK Calhoun. "Searching for the holy grail of wetland integrity: are surrogates still relevant in conservation planning?." 2015. In: *Indicators and Surrogates of Biodiversity and Environmental Change* 1, no. 2 101. Lindenmayer, D. P. Barton, and J. Pierson (eds.)CSIRO publishing, 101

Calhoun, A.J.K., M.K. Gahl, and R.F. Baldwin. 2012. Northeastern seasonal woodland pools. Pages 135-148 *in* D. Batzer and A. Baldwin, eds. *Wetland habitats of North America: Ecology and conservation concerns*. University of California Press, Berkeley, CA.

Jansujwicz, J. and A.J.K. Calhoun. 2010. Protecting natural resources on private lands: the role of collaboration in land-use planning. Pages 205-233 *in* Trombulak, S. and R.F. Baldwin (eds.).

Protecting natural resources on private lands: The role of collaboration in land-use planning. Springer-Verlag, New York, NY.

- 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. Pages 235-247 *in* Calhoun, A.J.K. and P.G. deMaynadier (eds). Science and conservation of vernal pools in northeastern North America. CRC Press.
- 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 M.L. Hunter. 2003. Managing ecosystems for amphibian populations. Pages 228-241 *in* R.D. Semlitsch (ed). Amphibian Conservation. Smithsonian Institution Press, Washington, DC.
- 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:

1. Reed SE, AJK Calhoun, C Farr, D Fischer, MJ Glennon, M Hostetler, HE Kretser, S Lerman, C Nilon, and L. Pejchar. 2016. Conservation design and stewardship guidelines for local land-use regulations. U.S. Forest Service.
2. Morgan, D.E. and A.J.K. Calhoun. 2013. Maine municipal guide to mapping and conserving vernal pools. Sustainability Solutions Initiative, Orono, Maine.
3. Calhoun, A.J.K. and P. deMaynadier. 2004. Forestry habitat management guidelines for vernal pool wildlife in Maine. Wildlife Conservation Society Technical Paper #6, Rye, New York.
4. Calhoun, A.J.K. 2003. Maine Citizen's guide to locating and documenting vernal pools (3rd edition). Maine Audubon Society, Falmouth, Maine.
5. 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.
6. Calhoun, A.J.K. 2000. Assessment of vernal pool resources. Maine Department of Inland Fisheries and Wildlife, Technical Report for Significant Wildlife Habitat designation.
7. Sparling, D.W., A.J.K. Calhoun, D. Hoskins, M. Micacchion, and K. Richter. 2001. Using amphibians in Bioassessments. New England Bioassessment Working Group, US EPA report.

POPULAR LITERATURE

- Eakin, C.E., A.J.K. Calhoun, M.L. Hunter. 2016. City frog, country frog: Patterns in wood frog tadpole condition in a human-modified landscape. Association of Massachusetts Wetland Scientists. Spring newsletter.
- Calhoun, A.J.K., and D.E. Morgan. 2009. Conservation of Vernal Pools: Lessons from State and Local Action. Case study, discussion questions, and teaching notes. American Museum of

- Natural History, Network of Conservation Educators and Practitioners. Available at <http://ncep.amnh.org>.
- Calhoun, A.J.K. 2008. Listening to the woods sing in spring: The Maine Amphibian Monitoring Program, North Woods Magazine, May issue.
- Web page: www.vernalpools.me , 2009 to present 62,000 hits
- Web page: <http://ofpoolsandpeople.weebly.com/>, 2014 to present. Showcasing research for the NSF-CNH initiative.
- Hitchcox, S. and A. Calhoun. Froglog. Newsletter of the Maine Amphibian Monitoring Project (2001-2004).
- Calhoun, A.J.K. 2002. "Singing woodland pools: Maine is committed to making ephemeral pools a permanent part of the landscape." Maine State Planning Office magazine.

PAPERS IN PROGRESS

Manuscripts in revision and preparation:

- Hoffmann, K., M. Hunter Jr, A. Calhoun, J. Bogart, and E. J. Blomberg. In revision. Breeding Habitat Occupancy by Pool-Breeding Salamanders. *Journal of Herpetology*.
- Hoffmann, K., A. Calhoun, and M. Hunter Jr. In revision. Pitfalls of Pitfall Analysis of Amphibian Orientation.
- Hoffmann, K., M. Hunter Jr, A. Calhoun, and J. Bogart. In preparation. Breeding ecology of the Blue-Spotted Salamander Complex in Maine.
- Hastings, T., K. Hoffmann, A. Calhoun, M. Hunter, and M. Jones. In preparation. Habitat selection of wood frogs (*Lithobates sylvaticus*) in urban landscapes in Maine, USA.
- Kifner, L. A. Amirbahman, and AJK Calhoun. In revision "Identifying environmental covariates and quantifying methane and carbon dioxide flux from four vernal pools, Maine USA" *Biogeochemistry*

DOCUMENTATION OF SPECIAL RECOGNITION/AWARDS

Individual:

- 2017 Rising Tide Career Award
- 2017 Keynote Speaker Maine Water and Sustainability Conference
- *Science*. Adams, Jill U. 2015. Pooling Resources: ecologist Aram Calhoun forges creative alliances in her quest to protect ephemeral vernal pools.
- 2015 Dean's Distinguished Achievement Award, University of Rhode Island
- 2015 Mitchell Center Team Research Award
- 2014 Invited Panel member NSF CNH
- 2014 Visiting Scholar Australian National University

- 2010 Outstanding Associate Editor Award, *Wetlands*
- 2008 College Outstanding Public Service Award
- 2006 Visiting Scholar Australian National University
- 2005 Visiting Professor, Joseph Jones Ecological Research Center, GA
- 2004 College Outstanding Teacher Award

Collaborative:

Co-PI (EES, WFCB, and SFR) Signature Program in Education: Forest, Wildlife, Environment

Co-PI Emerging Research Program Sustainability, Technology, and Solutions

Presentations and Posters

Hoffmann, K., T. Hastings, M. Jones, A. Calhoun, and M. Hunter. 2018. Wood Frog Movement and Habitat Selection in Urban Settings. Presented at the Northeast Natural History Conference. April 13. Burlington, Vermont.

Hastings, T., M. Jones, K. Hoffmann, A. Calhoun, and M. Hunter. 2018. Wood Frog (*Lithobates sylvaticus*) Habitat Selection and Movement in a Suburban Landscape. A poster presented at the USGS Co-op Meeting. 1 March. Orono, Maine.

Dec 18. Elizabeth Morse Oct 3. Meeting with Elizabeth Morse from Vermont Center for Ecostudies to discuss vernal pool programs and the SAMP
Oct 17th. Meeting with Meggie Harvey: Gulf of Maine Research Institute, Vital Signs program to set up vernal pool work and research with UMaine and outreach programs

Nov 15th meeting with Meggie H (developing fairy shrimp and wood frog/salamander outreach materials and research project)

Calhoun, AJK. Conserving small natural features: A Maine case study with vernal pools. San Diego Zoo, San Diego CA. 29 November 2017.

141. Mushet, D. and AJK Calhoun. 2017. Biotic connectivity: breaking down the geographically isolated wetlands wall. AWRA spring specialty conference, Reston, VA. April 25th.

140. Eakin, C. E., A. J. K. Calhoun, and M. L. Hunter. 2017. Wood frog (*Lithobates sylvaticus*) larval condition, development, and survival along an urbanization gradient. Society of Wetland Scientists Annual Meeting. San Juan, Puerto Rico. June 5-8. Oral Presentation.

139. Hastings, T. P., A. J. K. Calhoun, and M. L. Hunter. 2017. Wood frog (*Lithobates sylvaticus*) habitat selection and movement in a suburban landscape. Society of Wetland Scientists Annual Meeting. San Juan, Puerto Rico. June 5-8. Poster Presentation.

138. Hoffmann, K., A. J. K. Calhoun, and M. L. Hunter. 2017. Environmental factors affecting wetland use by cryptic salamanders. Society of Wetland Scientists Annual Meeting. San Juan, Puerto Rico. June 5-8. Oral Presentation.

137. Kifner, L., A. Amirbahman, A. J. K. Calhoun, and S. Norton. 2017. Greenhouse gas fluxes from four vernal pools in Maine, USA. Society of Wetland Scientists Annual Meeting. San Juan, Puerto Rico. June 5-8. Oral Presentation.
136. Calhoun, A.J.K and E Hertz. 2016. An innovative, local vernal pool conservation tool. GrowSmart Maine annual meeting. Thomas College, Waterville, ME. Oct.
134. Calhoun A.J.K. 2016. "Small natural features: a case study for conservation in Maine, USA." Conservation Series. Wayne, ME.
133. Bollert, L., C. Eakin, A. J. K. Calhoun, and M. L. Hunter. 2016. Prevalence of *Ranavirus* and *Icthyophonus* symptoms in wood frog (*Lithobates sylvaticus*) tadpoles. Poster presented at the annual meeting of the Northeast Partners in Amphibian and Reptile Conservation, Poultney Vermont. August 10.
132. Hastings, T., M. Jones, M. L. Hunter, and A. J. K. Calhoun. 2016. Wood frog (*Lithobates sylvaticus*) movement through a suburban landscape. Poster presented at the annual meeting of the Northeast Partners in Amphibian and Reptile Conservation, Poultney Vermont. August 10.
131. Hoffmann, K., A. Calhoun, and M. Hunter. Pitfalls of analyzing pitfall data on amphibian orientation. 2016. Talk to the annual meeting of the Northeast Partners in Amphibian and Reptile Conservation, Poultney Vermont. August 11.
129. Hoffmann, K, A. Calhoun, M. Hunter. 2016. Breeding habitat occupancy by cryptic pool-breeding salamanders. Talk at the Joint Undergraduate and Graduate Research Symposium, Bangor Maine, April 27.
128. Kifner, L., A. Amirbahman, A.J.K Calhoun, S. Norton. 2016. Characterizing the biogeochemistry of four Maine vernal pools. New England Graduate Students Water Conference, Amherst, MA.
127. Hoffmann, K.E., A. Calhoun, and M. Hunter. 2016. Breeding Habitat Occupancy by Cryptic Pool-Breeding Salamanders. Presented at the Joint Undergraduate and Graduate Research Symposium. 27 April. Bangor, Maine.
126. Eakin, C.E., A.J.K. Calhoun, M.L. Hunter. 2016. Wood frog tadpole health and survival along an urbanization gradient. Maine Association of Wetland Scientists Annual Meeting. Brunswick, Maine. March 31.
125. Eakin, C.E., A.J.K. Calhoun, M.L. Hunter. 2016. Patterns in wood frog tadpole body condition and survival along an urbanization gradient. Northeast Natural History Conference. Springfield, Massachusetts. April 24.
124. Eakin, C.E., A.J.K. Calhoun, M.L. Hunter. 2016. Wood frog tadpole condition and survival patterns in an urbanizing landscape. Annual Coordinating Committee Meeting of the US Geological Survey, Maine Cooperative Fish and Wildlife Research Unit; Orono, Maine, USA. 23 March.
123. Eakin, C.E., A.J.K. Calhoun, M.L. Hunter. 2016. Wood frog tadpole condition and survival patterns in an urbanizing landscape. Maine Sustainability and Water Conference; Augusta, Maine, USA. 29 March.
122. Eakin, C.E., A.J.K. Calhoun, M.L. Hunter. 2016. Patterns in wood frog tadpole body condition and survival across a gradient of human disturbance. New Hampshire Association of Natural Resource Scientists Annual Meeting; Concord, New Hampshire, USA. 29 January.
121. Feuka, A., K. Hoffmann, M. Hunter, and A. Calhoun. 2015. Effects of Light Pollution on Substrate Selection in Post-Metamorphic Wood Frogs (*Lithobates sylvaticus*) and Unisexual Blue-Spotted Salamanders (*Ambystoma laterale* x *jeffersonianum*): A Mesocosm Study. Poster

- presented at the Annual Meeting of Northeast Partners in Amphibian and Reptile Conservation. 18-19 August. West Greenwich, Rhode Island.
120. Groff, L.A., A.J.K Calhoun, and C.S. Loftin. 2015. "Habitat features mediate wood frog hibernaculum microclimate." Annual meeting of the American Society of Ichthyologists and Herpetologists; Reno, Nevada. 15–19 July.
 119. Groff, L.A., A.J.K Calhoun, and C.S. Loftin. 2015. "Habitat features mediate wood frog hibernaculum microclimate." Second North Carolina Congress of Herpetology Meeting; Asheboro, North Carolina. 1–3 May.
 118. Groff, L.A., C.S. Loftin, and A.J.K Calhoun. 2015. "Where do pool-breeding amphibians breed in Maine's wetland-limited, montane landscapes?" 9th Annual Northeast Alpine Stewardship Gathering; Millinocket, Maine. 06–08 November.
 117. Groff, L.A., C.S. Loftin, and A.J.K Calhoun. 2015. "Local and landscape scale predictors of breeding site occupancy by pool-breeding amphibians in wetland-limited, montane landscapes." Annual meeting of the American Society of Ichthyologists and Herpetologists; Reno, Nevada. 15–19 July.
 116. Hoffmann, K.E., A. Calhoun, and M. Hunter. 2015. "A salamander enigma; testing the unisexual salamander's reproduction paradigm in Maine." Poster presented at the Annual Meeting of Northeast Partners in Amphibian and Reptile Conservation. 18-19 August 2015. West Greenwich, RI.
 115. Feuka, A., K. Hoffmann, M. Hunter, and A. Calhoun. 2015. "Effects of light pollution on substrate selection in post-metamorphic wood frogs (*Lithobates sylvaticus*) and unisexual blue-spotted salamanders (*Ambystoma laterale* × *jeffersonianum*): A mesocosm study." Poster presented at the Annual Meeting of Northeast Partners in Amphibian and Reptile Conservation. 18-19 August 2015. West Greenwich, RI.
 114. Eakin, C.E., A.J.K. Calhoun, M.L. Hunter. 2015. "Pool-breeding amphibian morphology patterns in human disturbed landscapes". Annual Coordinating Committee Meeting of the US Geological Survey, Maine Cooperative Fish and Wildlife Research Unit; Orono, Maine, USA. 25 March.
 113. Eakin, C., M. Hunter, and A. Calhoun. 2015. "Patterns in pool-breeding amphibian health across a gradient of human disturbance." Oral presentation at the Annual Meeting of Northeast Partners in Amphibian and Reptile Conservation. 18-19 August 2015. West Greenwich, RI.
 112. Eakin, C.E., A.J.K. Calhoun, M.L. Hunter. 2015. "Pool-breeding amphibian morphology patterns in human disturbed landscapes". Maine Association of Wetland Scientists Annual Meeting. Brunswick, Maine. March 24.
 111. Calhoun, A.J.K., K.P. Bell, D. Boix, J. Fitzsimons, and D. Mushet. Summer 2015. "Temporary wetlands: challenges and solutions to conserving a 'disappearing' resource." International Congress Society for Conservation Biology, Montpellier, France.
 110. Bell, K.P., A.J.K. Calhoun, and R. Freeman. Summer 2015. "Using a hybrid approach to conserve small natural features: A Maine case study." International Congress Society for Conservation Biology, Montpellier, France.

109. Bell, K.P., A.J.K. Calhoun, D.M. Bauer, R. Freeman, and J. Balukus. Summer 2015. "The cost-effectiveness of using a hybrid regulatory approach to conserve small natural features: Lessons from Maine, USA." Northeast Agricultural and Resource Economics Association, Newport, RI.
108. Calhoun, A.J.K. 2014. "Stakeholder driven conservation solutions: A Maine, USA, case study." University of Melbourne. Melbourne, AU.
107. Feuka, A., K. Hoffmann, M. Hunter, and A. Calhoun. 2014. "Effects of light pollution on substrate selection in post-metamorphic wood frogs (*Lithobates sylvaticus*) and unisexual blue-spotted salamanders (*Ambystoma laterale* × *jeffersonianum*): A mesocosm study." Poster presented at the Annual Maine ERSCoR State Conference. 1 December. Orono, ME.
106. Hoffmann, K.E., A. Calhoun, and M. Hunter. 2014. "Evidence of the impossible raises novel questions about reproduction in the blue-spotter salamander complex." Poster presented at the Annual Maine EPSCoR State Conference. 1 Dec. Orono, ME.
105. Hoffmann, K.E., A. Calhoun, and M. Hunter. 2014. "Evidence of the impossible raises novel questions about reproduction in the blue-spotter salamander complex." Poster presented at the Annual Coordinating Committee Meeting of the US Geological Survey, Maine Cooperative Fish and Wildlife Research Unit; Orono, Maine, USA. 25 March.
104. Calhoun, A.J.K. 2014. "Conservation of small natural features in complex landscapes." Australian National University. Canberra, AU.
103. Groff, L.A., C.S. Loftin, and A.J.K. Calhoun. 2014. "Wood frog (*Lithobates sylvaticus*) post-breeding habitat selection. (poster)" Annual Coordinating Committee Meeting of the US Geological Survey, Maine Cooperative Fish and Wildlife Research Unit. Orono, ME, Northeast USA.
102. Groff, L.A., C.S. Loftin, and A.J.K. Calhoun. 2014. "Wood Frog (*Lithobates sylvaticus*) hibernial habitat selection. (poster)" Annual Northeast Fish and Wildlife Conference (Association of Fish and Wildlife Agencies). Portland, ME, USA. 13–15 April.
101. Groff, L.A., A.J.K. Calhoun and C.S. Loftin. 2014. "Habitat selection across the wood frog's (*Lithobates sylvaticus*) three annual life history periods." Annual Coordinating Committee Meeting of the US Geological Survey, Maine Cooperative Fish and Wildlife Research Unit. Orono, ME, USA.
100. Ryan, K.J., B.C. Timm, and A.J.K. Calhoun. 2014. "A tale of two toads: Telemetry studies of the eastern spadefoot at the northern extent of their range." Northeast Natural History Conference. Springfield, MA.
99. deMaynadier, P.G., D. Yorks, B.I. Swartz, T.B. Persons, J.D. Mays, M.L. Hunter, A.J.K. Calhoun, and M. McCollough. 2014. "The Maine amphibian and reptile atlas project: Keeping track of Maine's herpetofauna for 27 years." Northeast Fish and Wildlife Conference. Portland, ME.
98. Balukas, J.A., K.P. Bell, A.J.K. Calhoun, M.L. Hunter, Jr., and D. Bauer. 2014. "Combining spatial and survey data to explain land development decisions." Maine EPSCoR Conference. Orono, ME.

97. Levesque, V., A.J.K. Calhoun, and K.P. Bell. 2014. "Turning contention into collaboration: The role of collaborative networks in natural resource governance." Association for Environmental Studies and Sciences. New York City, NY.
96. Levesque, V., K.P. Bell, and A.J.K. Calhoun. 2014. "A collaborative economic and ecological analysis of a proposed vernal pool regulatory mechanism." Maine Water and Sustainability Conference. Augusta, ME.
95. Hoffmann, K., A. Calhoun, and D. Morgan. 2014. "Vernal pool ecology." Presentation for the Maine Master Naturalist Program. 2 April. Fields Pond Audubon Center. Holden, ME.
94. Morley, T.R. and A.J.K. Calhoun. 2013. "Amphibian activity and diversity in a Maine headwater catchment." Northeast Partners in Amphibian and Reptile Conservation. Branchville, NJ.
93. *Homola, J.J., M. Kinnison, C. Loftin, A. Calhoun, K. Bell, K. Capps, M. Hunter, D. Bauer, and E. Nelson. 2013. "Of pools and people: Application of vernal pool amphibian landscape genetics in a socioenvironmental coupled-systems model (poster)." NE Association of Fish and Wildlife Agencies. Portland, ME.
92. Capps, K.A., R. Rancatti, T. Parr, N. Tomczyk, A. Calhoun, and M. Hunter. 2013. "Biogeochemical hotspots within forested landscapes: quantifying the functional role of vernal pools in ecosystem (poster)." Annual meeting of AGU, San Francisco, CA.
91. Calhoun, A.J.K. 2013. "Vernal pool conservation strategies: research and stakeholders." Kezar Lake Watershed Association. Lovell, ME.
90. Ryan, K.J., A.J.K. Calhoun, J.D. Zydlewski, and B.C. Timm. 2012. "Monitoring Eastern Spadefoot (*Scaphiopus holbrookii*) activity using a passive integrated transponder (PIT) system: Effects of Meteorological variables on burrow emergence. (poster)" Society of Conservation Biology North America Section Congress. Oakland, CA.
89. Ryan, K.J., A.J.K. Calhoun, J.D. Zydlewski, and B.C. Timm. 2012. "Monitoring Eastern Spadefoot (*Scaphiopus holbrookii*) activity using a passive integrated transponder (pit) system: Effects of meteorological variables on burrow emergence. (poster)" Northeast Partners in Amphibian and Reptile Conservation. Bretton Woods, NH.
88. Levesque, V., K.P. Bell, and A.J.K. Calhoun. 2012. "Some do and some don't: Factors that enable smaller communities to contribute to sustainability." Association of Collegiate Schools of Planning. Cincinnati, OH.
87. Levesque, V., K.P. Bell, and A.J.K. Calhoun. 2012. "Municipal vernal pool policy: Sustainability science in action." Maine EPSCoR Conference. Orono, ME.
86. Levesque, V., A.J.K. Calhoun, and K.P. Bell. 2012. "Municipal vernal pool policy: Sustainability science in action. (poster)" Society for Conservation Biology. Oakland, CA.
85. Levesque, V., K.P. Bell, and A.J.K. Calhoun. 2012. "Sustainability in Maine municipalities." Maine Water Conference. Augusta, ME.
84. Calhoun, A.J.K. 2012. "Collaborative approaches to vernal pool conservation: A Maine case study." Virginia Commonwealth University. Richmond, VA.

83. Calhoun, A.J.K. 2012. "Citizen scientists and vernal pool conservation." Virginia Commonwealth University citizen science group. Richmond, VA.
82. Calhoun, A.J.K. 2011. "Advice on becoming a conservation professional." International Congress of the Society for Conservation Biology. Auckland, NZ.
81. Morgan, D.E. and A.J.K. Calhoun. 2011. "Research-extension partnerships in sustainability science: Bridging research-based knowledge with client-based needs." SSI-UMaine Cooperative Extension Workshop and World Sustainability Teach-in Day. Senator George J. Mitchell Center, University of Maine. Orono, ME.
80. Calhoun, A.J.K. 2012. "Vernal pool conservation using innovative, local approaches." Blue Hill Land Trust. Blue Hill, ME.
79. Calhoun, A.J.K. 2012. "Recruiting Lincolnville, Camden, and adjacent towns to join the VPMP outdoor demonstration." Towns of Lincolnville, Camden, Lincolnville, ME.
78. Calhoun, A.J.K. 2012. "Role for land trusts, nature centers, and communities in vernal pool education and conservation." Hidden Valley Nature Center and Maine Master Naturalist Program. Jefferson, ME.
77. Calhoun, A.J.K. 2012. "Vernal pool team update." EpSCor conference. Orono, ME.
76. Calhoun, A.J.K. 2012. "Careers in conservation biology for the 2012 Smith Fellows." Schoodic Education and Research Center. Winter Harbor, ME.
75. Calhoun, A.J.K. 2012. "Stakeholder based research and conservation." Acadian Internship Program, Schoodic Education and Research Center. Winter Harbor, ME.
74. Calhoun, A.J.K. July 18, 2012. "Field trip leader, Acadia National Park: Wetlands of the Park." Presented to BIOGEMON Annual Conference. Belfast, ME.
73. Calhoun, A.J.K. 2012. "Vernal pool mitigation: A last resort." Presented to General Electric employees, CT state agencies. Pittsfield, MA.
72. Calhoun, A.J.K. 2011. "Vernal pools: Can amphibians and humans find common water?" International Congress of the Society for Conservation Biology. Auckland, NZ.
71. Calhoun, A.J.K. 2011. "Vernal pools and collaborative natural resources management." Presented to Acadia National Park Science Symposium. 26 October. Schoodic Education and Research Center, Winter Harbor, ME.
70. Greenspan, S.E., J. Longcore, and A.J.K. Calhoun. 2011. "Break on through: Host invasion by *Batrachochytrium dendrobatidis*." Annual Meeting of Integrated Research Challenges in Environmental Biology (Emerging Wildlife Diseases: Threats to Amphibian Biodiversity), Tempe, AZ.
69. Jansujwicz, J.S., A.J.K. Calhoun, and R.J. Lillieholm. 2011. "Communicating sustainability through citizen science: Challenges and (missed) opportunities." Citizen Science Symposium, University of Maine. Orono, ME.
68. Levesque, V., K. Bell, and A.J.K. Calhoun. 2012. "Some do and some don't: Factors that enable smaller communities to contribute to sustainability." Association of Collegiate Schools of Planning. Cincinnati, OH.

67. Levesque, V., A.J.K. Calhoun, and K. Bell. 2012. "Municipal vernal pool policy: Sustainability science in action. (poster)" Maine EPSCoR Conference. Orono, ME.
66. Levesque, V., A.J.K. Calhoun, and K. Bell. 2012. "Municipal vernal pool policy: Sustainability science in action. (poster)" Society for Conservation Biology. Oakland, CA.
65. Levesque, V., K. Bell, and A.J. K. Calhoun. 2012. "Sustainability in Maine municipalities." Maine Water Conference. Augusta, ME.
64. Ryan, K., A.J.K. Calhoun, and J. Zydlewski. 2012. "Monitoring eastern spadefoot (*Scaphiopus holbrookii*) burrow emergence with passive integrated transponders." SCB North America Congress for Conservation Biology. 15 July. Oakland, CA.
63. Groff, L.A., A.J.K. Calhoun, and C.S. Loftin. 2012. "Habitat use by pool-breeding amphibians in Maine's montane region. (poster)" Northeast Partners in Amphibian and Reptile Conservation. 25 July. Crawford Notch, NH, USA.
62. Greenspan SE. 2011. "Infection and transmission of the pathogen *Batrachochytrium dendrobatidis* in two Maine anurans: *Lithobates sylvaticus* (wood frog) and *Lithobates catesbeianus* (bullfrog)." Annual Meeting of Maine Association of Wetland Scientists. Hallowell, ME.
61. Calhoun, A.J.K. and D.E. Morgan. 2011. "Conserving vernal pool functions through local collaborative initiatives." Annual meeting of the Wisconsin Wetland Association. Madison, WI.
60. Gallo, S. and A.J.K. Calhoun. 2011. "The Maine amphibian monitoring program: Challenges of working in remote settings." Citizen Science Symposium, Orono, ME.
59. Jansujwicz, J., A.J.K. Calhoun, and R. Lilieholm. 2010. "Cooperation and natural resource management: Community-based vernal pool conservation planning in Maine, USA (poster)." International Congress for Conservation Biology. Edmonton, CA.
58. *Jansujwicz, J., R. Lilieholm, and A.J.K. Calhoun. 2010. "Cooperation and natural resource management: Community-based vernal pool conservation planning in Maine, USA." 16th International Symposium for Society and Resource Management. Corpus Christi, TX.
57. *Loftin, C., A.J.K. Calhoun, S. Nelson, A. Elskus, and K. Simon. 2010. "Does mercury bioaccumulate in amphibians developing in vernal pools." GeoSociety, Northeastern / Southeastern Combined Meeting. Baltimore, MD.
56. Morgan, D.E. and A.J.K. Calhoun. 2010. "Conserving Maine vernal pools through collaborative local initiatives (poster)." Maine Water Conference. Augusta, ME.
55. *Hunter, M.L. Jr. and A.J.K. Calhoun. 2010. Workshop "Advice on attending a professional meeting. Society for Conservation Biology Annual Meeting. Alberta, CA.
54. *Shearin, A.F., A.J.K. Calhoun, and C.S. Loftin. "Amphibian communities in Maine's fishless lakes." 2010. The Wildlife Society Annual Conference. Snowbird, UT.
53. *Shearin, A.F., A.J.K. Calhoun, and C.S. Loftin. 2010. "Amphibian communities in Maine's fishless lakes (poster presentation)." Northeast Partners in Amphibian and Reptile Conservation Annual Meeting. Acadia National Park, Winter Harbor, ME.
52. Shearin, A.F., C.S. Loftin, and A.J.K. Calhoun. May 2010. "Amphibian communities in Maine's historically fishless lakes: Facultative breeding occurrence by vernal pool

- amphibians”. Maine Cooperative Fish and Wildlife Research Unit-USGS Regional Meeting. Orono, ME.
51. Shearin, A.F., A.J.K. Calhoun, and C.S. Loftin. 2010. “Amphibian communities in three aquatic ecosystems.” Maine Association of Wetland Scientists Annual Meeting. Hallowell, ME.
 50. Shearin, A.F., A.J.K. Calhoun, and C.S. Loftin. March 2010. “Amphibian communities in Maine’s historically fishless lakes: Facultative occurrence by vernal pool breeding amphibians.” Maine Water Conference. Augusta, ME.
 49. *Hunter, M.L. Jr. and A.J.K. Calhoun. 2009. Workshop “Advice on attending a professional meeting.” Society for Conservation Biology Annual Meeting. Beijing, China.
 48. Calhoun, A.J.K. 2009. “Vernal pool conservation issues.” New England Aquarium. Boston, MA.
 47. *Hunter, M.L. Jr. and A.J.K. Calhoun. 2008. Workshop “Advice on attending a professional meeting” . Society for Conservation Biology Annual Meeting. Chattanooga, TN.
 46. *Calhoun, A.J.K. 2008. “Community based Conservation of vernal pools in Maine (invited speaker).” Northeast Natural History Conference. Albany, NY
 45. Calhoun, A.J.K. 2008. “Vernal pools as a model for collaborative conservation.” New England Aquarium seminar series. Boston, MA.
 44. *Calhoun, A.J.K.. 2007. “Conserving vernal pools in human-dominated landscapes (invited speaker)”. Symposium: *The Wildlife Society Annual Meeting*. Tucson, AZ.
 43. *Hunter, M.L. and A.J.K. Calhoun. 2007. “Symposium: *Effective PowerPoint presentations*.” Society for Conservation Biology Annual Meeting. Port Elizabeth, South Africa.
 42. Shearin, A.F., A.J.K. Calhoun, and C.S. Loftin. March 2007. “A landscape genetics approach to Maine amphibian conservation.” Maine Association of Wetland Scientists Annual Meeting. Hallowell, ME.
 41. *Patrick, D., M.L. Hunter, and A.J.K. Calhoun. 2006. “The effects of forest harvesting on juvenile wood frog dispersal (award finalist).” International Society for Conservation Biology. San Jose, CA.
 40. *Patrick, D., A.J.K. Calhoun, and M.L. Hunter. 2006. “Orientation of juvenile *Rana sylvatica* (poster).” SSAR and ASIH joint meeting. Tampa, FL.
 39. *Gahl, M.K., A.J.K. Calhoun, and D. Green. 2006. “Amphibian disease: can landscape features of breeding pools distinguish wetlands at risk? (award finalist)” Society for Conservation Biology. San Jose, CA.
 38. *Oscarson, D. and A.J.K. Calhoun. 2006. “Implementing best development practices for vernal pools in four New England towns.” Northeast Natural History Conference. Albany, NY.
 37. *Oscarson, D. and A.J.K. Calhoun. 2006. “Using best development practices to inform responsible development.” Joint meeting of ichthyologists and herpetologists. New Orleans, LA.

36. Bailey, J.E. and A.J.K. Calhoun. 2005. "*Myriophyllum heterophyllum*. Distribution, vegetative reproduction, and control in southwestern Maine". Invasive aquatic plants prevention and control roundtable. Auburn, ME.
35. Bailey, J.E. and A.J.K. Calhoun. 2005. "*Myriophyllum heterophyllum* control in southern Maine (poster)." New England invasive plant summit. Framingham, MA.
34. Gahl, M.K. and A.J.K. Calhoun. 2005. "Spatial and temporal patterns of amphibian disease in Acadia National Park wetlands." USGS amphibian research and monitoring initiative annual meeting. Tucson, AZ.
33. Calhoun, A.J.K. 2004. "New England conservation perspectives on isolated wetlands." Lower Apalachicola and Flint River Research Conference. Albany, GA.
32. Calhoun, A.J.K. 2004. "Conservation perspective on isolated wetlands." Lower Apalachicola and Flint River Research Conference. Albany, GA.
31. Calhoun, A.J.K. 2003. "Strategies for conserving pool-breeding amphibians in developing landscapes." NE Wildlife Society.
30. Calhoun, A.J.K. 2002. "Habitat management guidelines for conserving pool-breeding amphibians in the northeastern US." NE Society of Wetland Scientists.
29. Morley, T.R., A.J.K., and M.K. Gahl. 2003. "Cumulative impacts of wetland permitting in Casco Bay watershed, ME." Society of Wetland Scientists annual meeting. Tampa, FL.
28. Gahl, M.K., A.J.K. Calhoun, and T.R. Morley. 2003. "Assessing cumulative wetland conversion on a watershed scale: A tool for wetland conservation planning and policy." Society for Conservation Biology annual meeting. Duluth, MN.
27. Calhoun, A.J.K. and P. deMaynadier. 2003. "Forestry habitat management guidelines for vernal pools." The Wildlife Society annual meeting. Burlington, VT.
26. Calhoun, A.J.K. and M. Klemens. 2003. "Pools and people: conserving pool-breeding amphibians in developed landscapes." The Wildlife Society annual meeting. Burlington, VT.
25. Morley, T. R., A.J.K. Calhoun, and M. Gahl. 2003. "Cumulative impacts of wetland permitting in the Casco Bay Watershed, Maine." Society of Wetland Scientists Annual Meeting. FL.
24. Gahl, M., A.J.K. Calhoun, and T.R. Morley. 2003. "Assessing cumulative wetland conversion on a watershed scale: A tool for wetland conservation planning and policy." Society for Conservation Biology. Duluth, MN.
23. Baldwin, R., P. deMaynadier, and A. Calhoun. 2002. "Remote detection, gap analysis, and conservation strategies for vernal pools in Maine's southern coastal region: preliminary results." Northeast Fish and Wildlife annual meeting. Portland, ME.
22. Calhoun, A.J.K. and P. deMaynadier. 2002. "Forestry habitat management guidelines for pool-breeding amphibians." Forestry Best Management Practices Research Symposium, NCASI. Atlanta, GA.

21. Calhoun, A.J.K. and M.W. Klemens. 2002. "Best development practices (BDPs) for conserving pool-breeding amphibians in the Northeastern United States." Society for Conservation Biology annual meeting. Cambridge, UK.
20. Cunningham, J., A.J.K. Calhoun, and W.E. Glanz. 2002. "The effect of beaver on the spatial and temporal distribution of pond-breeding amphibians." Society for Conservation Biology. Canterbury, U.K.
19. Cunningham, J., A.J.K. Calhoun, and W.E. Glanz. 2002. "Larval amphibian identification." Maine Association of Wetland Scientists.
18. Cunningham, J. 2002. "The effect of beaver on the spatial and temporal distribution of pond-breeding amphibians in Acadia National Park." Dow, Griffie Clements awards finalist.
17. Vasconcelos, D. and A.J.K. Calhoun. 2002. "Amphibian use of a restored wetland complex in Maine." New England Society of Wetland Scientists annual meeting student award winner.
16. Kolozsvary, M.B., A.J.K. Calhoun, and M.L. Hunter, Jr. 2002. Constraints of wetland duration on reproduction in wood frogs and spotted salamanders. Society for Conservation Biology annual meeting. Canterbury, U. K.
15. Kolozsvary, M.B., A.J.K. Calhoun, and M.L. Hunter, Jr. 2002. "Is conservation of temporary wetlands important for wood frogs and spotted salamanders?" 2002 Joint Meeting of Ichthyologists and Herpetologists. Kansas City, MO.
14. Kolozsvary, M.B., A.J.K. Calhoun, and M.L. Hunter, Jr. 2002. "Wetland duration and the reproductive effort and success of wood frogs (*Rana sylvatica*) and spotted salamanders (*Ambystoma maculatum*) (poster)." "58th Northeast Fish and Wildlife Conference. Portland, ME.
13. Baldwin, R., A.J.K. Calhoun, P. deMaynadier, and F.J. DiBello. 2002. "Conservation strategies for vernal pools in Maine's southern coastal region: preliminary results. Northeastern Regional Fish and Wildlife Conference. Portland, ME.
12. Baldwin, R. and A.J.K. Calhoun. 2001. "An evaluation of conservation biology in practice, is it reaching practitioners? (poster)" Society for Conservation Biology. Hilo, HI.
11. Baldwin, R. and A.J.K. Calhoun. 2001. "Conservation Biology in Practice: A regional approach to evaluating and marketing the new outreach publication (poster)." Society for Conservation Biology. Hilo, HI.
10. Cunningham, J., A.J.K. Calhoun, and W.E. Glanz. 2001. Presentation. "Beaver disturbance and amphibian distributions in Acadia National Park." Maine Herpetological Society.
9. Calhoun, A.J.K. 2001. "Managing small wetlands in working forests (invited lecture)." Joseph Jones Ecological Research Center. Newton, GA.
8. Calhoun, A.J.K. and P. deMaynadier. 2001. "Conserving pool-breeding amphibians: Best Management Practices for timber harvesting and development near vernal pools." Society for Conservation Biology. University of Hilo, HI, USA.

7. Calhoun, A.J.K. 2001. "The role of isolated wetlands in the landscape." Maine Water Conference. Orono, ME.
6. Calhoun, A.J.K. 2001. "A landscape approach to conservation of pool-breeding amphibians." 57th Annual Northeast Fish and Wildlife Conference. Chicago, IL.
5. Calhoun, A.J.K. and P. deMaynadier. 2000. "Conserving pool-breeding amphibians: Best management practices (BMPs) for timber harvesting and development near vernal pools." 57th Annual Northeast Fish and Wildlife Conference. Chicago, IL.
4. Calhoun, A.J.K. and M.L. Hunter, Jr. 2000. "A mesocosm approach to vernal pool conservation." Society for Conservation Biology. University of Montana, Missoula.
3. Calhoun, A.J.K. 1999. "Vernal pool ecology." Maine Association of Wetland Scientists. Unity College, ME.
2. Calhoun, A.J.K., M.L. Hunter, and M. McCollough. 1999. "Developing partnerships for amphibian and reptile conservation in Maine." Society for Conservation Biology. College Park, MD.
1. Calhoun, A.J.K. 1999. "Wetland Connections: A K-16 Partnership with Wetlands." Third annual American wetlands month conference: Communities working for wetlands. Andover, MA.

INVITED PROFESSIONAL PRESENTATIONS AND WORKSHOPS

1. Calhoun, AJK. Bangor Land Trust Vernal Pool tour and introduction to the Vernal Pool Special Area Management Plan. 16 May 2018, Bangor, ME.
2. Calhoun, AJK. Vernal Pool tour and introduction to the Vernal Pool Special Area Management Plan. Friends of Sears Island, 9 May 2018, Sears Island, ME.
3. Calhoun, AJK. Webinar workshop for teachers on vernal pool data collection. Gulf of Maine Research Institute: Vital Signs. 8 May 2018.
4. Calhoun, AJK. Vernal Pool tour and introduction to the Vernal Pool Special Area Management Plan. Greater Damariscotta area Conservation organizations, Darling Marine Center, Walpole, ME. 2 May 2018.
5. Calhoun, AJK and E. Hertz. Vernal Pool tour and introduction to the Vernal Pool Special Area Management Plan. Wells Reserve special program, Wells, ME. 24 April 2018.
5. Calhoun, AJK. The Maine Vernal Pool Special Area Management Plan. The Northeast Natural History Conference, Burlington, VT. 13 April 2018.
- Calhoun, AJK and E. Hertz. The Maine Vernal Pool Special Area Management Plan. Kennebec Land Trust Lyceum. 29 April 2018.
6. Calhoun, AJK and E Hertz. Training for USACOE Region 1 and EPA Personnel. 8 Nov 2017, Belmont, MA.

7. Calhoun, AJK. Webinar. EPA interagency training on conserving wetlands at a landscape scale. 17 Aug 2017
8. Calhoun, AJK and E. Hertz. Invited presentation to Board of Environmental Protection on Delegated authority for Topsham, Maine to implement the Vernal Pool Special Area Management Program. 4 May 2017. Augusta, ME
9. Calhoun, AJK and E Hertz.. The Maine Vernal Pool Special Area Management Plan. Scarborough town officials, 18 May 2017.
10. Hertz, E. and AJK Calhoun. 2017. Maine Vernal Pool Special Management Plan. NE England Chapter of the Society of Wetland Scientists, Biddeford ME, 6 May.
11. Calhoun AJK and E Hertz. 2017. Maine Vernal Pool Special Area Management Plan. Annual meeting of the Maine Land Trust Network, Topsham, ME April 21.
12. Calhoun, AJK. 2017. Keynote presentation: Conserving pools and watersheds: spanning and matching of scales. Sustainability and Water Conference, Augusta ME. March 30th.
13. Calhoun, AJK and E Hertz. 2017. Symposium coordinators. New approaches to integrating wetland conservation into land-use planning Sustainability and Water Conference, Augusta ME. March 30th
14. Calhoun, A.J.K. March 31 2016. Conserving temporary wetlands: small features in large landscapes. Keynote: Maine Association of Wetland Scientists, Brunswick, ME
15. Calhoun, AJK, KP Bell, D Boix, J Fitzsimons, D Mushet. August 2015. Temporary wetlands: Challenges and solutions to conserving a "disappearing" resource. International Congress of Conservation Biology, Montpellier, France.
16. Bell, KP, AJK Calhoun, R Freeman. Using a hybrid regulatory approach to conserve small natural features: A Maine case study. International Congress of Conservation Biology, Montpellier, France. August 2015.
17. Calhoun, A.J.K. March 2016. Conserving temporary wetlands: small features in large landscapes. Keynote: Maine Association of Wetland Scientists, Brunswick, ME
18. Calhoun, A.J.K. Nov 2015. The Maine Vernal Pool Special Area Management Plan. Webinar. NEIWGCC.
19. Calhoun, A.J.K. April 2015. University of Rhode Island Distinguished Scholar for the Ledermann Lecture in Natural History and Conservation Biology. Kinston, RI.
20. Calhoun, A.J.K. April 2015. Created Wetlands. Webinar. Environmental Protection Agency.
21. Calhoun, A.J.K. 2014. Use of surrogates in aquatic ecosystems. Workshop on surrogacy and indicators, Brisbane, AU.
22. Calhoun, A.J.K. 2013. Isolated Wetlands Research Workgroup. Environmental Protection Agency. Newton, GA.
23. Calhoun, A.J.K. 2013. Conservation Design and Stewardship. Wildlife Conservation Society. Fort Collins, CO.
24. Calhoun, A.J.K. 2011. (3 May). Vernal pool conservation in working forests. Kennebec Woodland Partnership. Wayne, ME.

25. Calhoun, A.J.K. 2011. (29 April). Vernal pool conservation priorities. Annual meeting of the Land Trust Alliance. Topsham, ME.
26. Calhoun, A.J.K. 2010. Vernal pool regulation and conservation workshop: understanding the law and its implications for landowners (invited workshop organizer and speaker). Annual meeting of Maine tax assessors. Belfast, ME.
27. Calhoun, A.J.K. 2010. Vernal pool science behind forestry management guidelines (invited workshop co-leader). Annual meeting of the Society of American Foresters. Orono, ME.
28. Calhoun, A.J.K. 2009. Vernal pool conservation and the municipal economy (invited speaker). International tax assessors organization annual meeting. Augusta, ME.
29. Calhoun, A.J.K. 2008. How to recognize and assess a vernal pool. Army Corps of Engineers, personnel training. Concord, MA.
30. Calhoun, A.J.K. 2006. Managing landscapes for Biodiversity: Wetlands. Australian National University. Bowral, Australia.
31. Calhoun, A.J.K. 2005. New Supreme Court Rulings and its effect on isolated wetlands. Maine Association of Wetland Scientists workshop. Augusta, ME.
32. Calhoun, A.J.K. 2002. New England Bioassessment Wetlands Working Group. Annual Workshop. Mystic, CT.
33. Calhoun, A.J.K. 2001. North American Amphibian Monitoring Program. Workshop for regional coordinators. Nashville, TN.
34. Calhoun, A.J.K. 2001. New England Bioassessment Wetlands Working Group. Annual Workshop. Portland, ME.
35. Calhoun, A.J.K. 2001. Partners in Amphibian and Reptile Conservation. Annual Workshop. Chicago, IL.
36. Calhoun, A.J.K. 2001. Vernal pool ecology and conservation (1 week short course). Humboldt Field Research Station. Steuben, ME.
37. Calhoun, A.J.K. 2001. Forested wetland ecology and management issues. Forest Service Short Course. Clemson University, SC.
38. Calhoun, A.J.K. Best Development Practices around vernal pools. 2001. Regional workshop (New England and New York) to review draft publication (16 attendees). Lincoln, MA.
39. Calhoun, A.J.K. 2000. Best Management Practices for timber harvesting around vernal pools. Environmental Protection Agency and New England Interstate Water Pollution Control Commission.
40. Calhoun, A.J.K. 2000. Environmental Protection Agency. Biological Assessment of Wetlands Workgroup. Washington, DC.
41. Calhoun, A.J.K. 2000. Science and Policy: A marriage blessed by conservation. "Nature in Fragments" Symposium. Live Internet coverage. American Museum of Natural History and Wildlife Conservation Society. New York, NY.
42. Calhoun, A.J.K. 2000. Manomet Center for Conservation Sciences. Headwater streams and forestry in Maine and goals and information needs workshop. Orono, ME.
43. Calhoun, A.J.K. 2000. Volunteer Wetland Monitoring Initiatives in Maine. Volunteer Wetland Monitoring Workshop. Environmental Protection Agency. NH.
44. Calhoun, A.J.K. 2000. Wetland Delineation Workshop. Maine Forest Service, Office of Professional Development. Orono, ME.
45. Calhoun, A.J.K. 1999. Wetland Ecology and Conservation (1 week short course). Humboldt Field Research Station. Steuben, ME.
46. Calhoun, A.J.K. 1998. Forested wetland ecology and management issues. Clemson University Forest Service Short Course.

PUBLIC SERVICE PRESENTATIONS AND WORKSHOPS

1. Calhoun, A.J.K. 2010. Vernal pool conservation and the municipal economy. International Tax Assessors Annual Meeting. Augusta, ME.
2. Calhoun, A.J.K. 2010. Conducted 14 training and informational workshops on municipal vernal pool mapping and assessment for 8 Maine towns.
3. Calhoun, A.J.K. 2009. Mapping and assessing vernal pools. Great Pond Land Trust. Orland, ME.
4. Calhoun, A.J.K. 2009. Vernal pool conservation and land values. Maine Association of Assessing Officers. Hallowell, ME.
5. Calhoun, A.J.K. 2009. Town conservation of vernal pool and natural resources. Bangor Comprehensive Planning Committee. Bangor, ME.
6. Calhoun, A.J.K. 2009. Conducted 12 training and informational workshops on municipal vernal pool mapping and assessment for 8 Maine towns.
7. Calhoun, A.J.K. 2008. Vernal pool science and regulation: Planning for pools. Maine Coast Heritage Trust Annual Meeting. Brunswick, ME.
8. Calhoun, A.J.K. 2008. Invited lecture: Vernal pool ecology and management in Maine. Maine State Planning Office: coastal and land use teams. Augusta, ME.
9. Calhoun, A.J.K. 2008. Vernal pool training for Code Enforcement Officers. Maine Dept. of Environmental Protection and Maine Dept. of Inland Fisheries and Wildlife. Brunswick, ME. 24 April.
10. Calhoun, A.J.K. 2008. Town of Brunswick. Training workshops for vernal pool mapping and conservation project. Brunswick, ME. 26 March (televised locally).
11. Calhoun, A.J.K. 2008. Conducted 5 training and informational workshops on municipal vernal pool mapping and assessment for 5 Maine towns.
12. Calhoun, A.J.K. 2007. Vernal pool ecology and the new significant vernal pool legislation. Kennebec Regional Land Trust Lyceum Series. Wayne, ME.
13. Calhoun, A.J.K. 2007. Training session on Significant Vernal Pools for consultants, engineers, and developers. S.W. Cole Inc. Hallowell, ME.
14. Calhoun, A.J.K. 2007. Training workshop for all DEP personnel in charge of enforcement of new Significant Vernal Pool legislation. Maine Department of Environmental Management. Augusta, ME.
15. Calhoun, A.J.K. 2007. Significant Wildlife Habitat legislation: shorebirds and vernal pools. Cobscook Bay Community Learning Center. Trescott, ME.
16. Calhoun, A.J.K. 2007. Significant Wildlife Habitat legislation: shorebirds. Town of Addison, ME.
17. Calhoun, A.J.K. 2007. Starting a citizen vernal pool mapping and assessment program. Town of Bar Harbor, ME.
18. Calhoun, A.J.K. 2005. Using citizen scientists to advance natural resource conservation planning (keynote). Maine Stream Summit. Belfast, ME.
19. Calhoun, A.J.K. 2005. Vernal pool conservation initiatives. Mt. Desert town hall.
20. Calhoun, A.J.K. 2005. Vernal pool field experience. Maine Coast Heritage Trust, Lubec, ME.
21. Calhoun, A.J.K. 2004. Teacher workshop on isolated wetlands. BirdsAcre Sanctuary. Ellsworth, ME.
22. Calhoun, A.J.K. 2004-2005. Curriculum development class and field workshops. Orono middle and high schools. Orono, ME.

23. Calhoun, A.J.K. 2003. Training for watershed-wide vernal pool inventory and application of Best Development Practices for vernal pools. Farmington River Watershed Association. Farmington, CT.
24. Calhoun, A.J.K. 2003. Training for watershed-wide vernal pool inventory and application of Best Development Practices for vernal pools. Falmouth, ME.
25. Calhoun, A.J.K. 2003. Vernal pools and forested wetlands. Maine Association of Planners. Biddeford, ME
26. Calhoun, A.J.K. 2003. Workshop for teachers on wetland outreach and education. Cross-tier teaching initiative. Maine Mathematics Science and Teaching Excellence Collaborative.
27. Calhoun, A.J.K. 2002. Forestry Habitat Management Guidelines for vernal pool wildlife. Maine Forest Service. Dover-Foxcroft, ME.
28. Calhoun, A.J.K. 2002. Forestry Habitat Management Guidelines for vernal pool wildlife. Mead Paper Company. Rumford, ME.
29. Calhoun, A.J.K. 2002. Forestry Habitat Management Guidelines for vernal pool wildlife. Association of consulting foresters. Waterville, ME.
30. Calhoun, A.J.K. 2002. Isolated wetlands and development. Bangor Rotary Club. Bangor, ME.
31. Calhoun, A.J.K. 2002. Harvest management guidelines for vernal pool wildlife. Georgia Pacific Training Center—CLP course. Old Town, ME.
32. Calhoun, A.J.K. 2001. Vernal pool ecology and conservation. Maine Audubon Society, Midcoast Chapter. Searsport, ME.
33. Calhoun, A.J.K. 2001. Vernal pool ecology and management strategy. Quoddy Land Trust. Edmunds, ME.
34. Calhoun, A.J.K. 2001. Vernal pool identification training workshop. Maine Department of Transportation. Augusta, ME.
35. Calhoun, A.J.K. 2001. Vernal pool identification training workshop. Natural Resources Conservation Service. Dover-Foxcroft, ME.
36. Calhoun, A.J.K. 2000. Presentation and demonstration workshop on habitat management guidelines for vernal pools. Maine Forest Service, University faculty, Maine Dept of Inland Fisheries and Wildlife, Maine Audubon, TNC, and industrial forest managers. Orono, ME.
37. Calhoun, A.J.K. 2000. Wetland Connections: K-12 Partnerships. Project final conference with teacher and student presentations. Maine Mathematics and Science Association. Orono, ME.
38. Calhoun, A.J.K. 2000. Vernal pool curriculum workshops, Bucksport Elementary and High School. Professionals Fluent in Technology Project. Bucksport, ME.
39. Calhoun, A.J.K. 2000. All day workshop on vernal pool ecology and citizen action. Hiram Public Schools and Town Meeting. Hiram, ME.
40. Calhoun, A.J.K. 2000. Very Important Pool (VIP) citizen monitoring program in Maine. Penobscot Bay Stewards. Searsport, ME.
41. Calhoun, A.J.K. 2000. Very Important Pool (VIP) citizen monitoring program in Maine. Tanglewood 4H Camp and Learning Center. Lincolnville, ME.
42. Calhoun, A.J.K. 2000. Swamps and bogs: wooded wetlands of Maine. Hermon High School. Hermon, ME.
43. Calhoun, A.J.K. 1999. Vernal pools. York County Soil and Water Conservation District and Wells National Estuarine Research Reserve. Wells Reserve, ME.
44. Calhoun, A.J.K. 1999. Monitoring seasonal pools in forested wetlands. Tanglewood 4-H camp and learning center. Lincolnville, ME.

45. Calhoun, A.J.K. 1999. Conservation of Amphibians and Reptiles in Maine: a Collaborative Approach. Maine Audubon Society, Midcoast Chapter. Brunswick, ME.
46. Calhoun, A.J.K. 1998. The importance of small wetlands in a developing landscapes. Androscoggin Soil and Water Conservation District. Auburn, ME