BIO SKETCH: LAWRENCE E. STEVENS, PHD

DATE OF BIRTH: 17 November, 1951, Cleveland, Ohio

MAILING ADDRESS: Curator of Ecology and Conservation
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EDUCATION:
PhD Zoology, Northern Arizona University, Flagstaff, 1989
MS Biology, Northern Arizona University, Flagstaff, 1985
Selected coursework in biology and fine arts, University of Arizona, 1977-1978
BA Biology and fine arts, with honors, Prescott College, Prescott, Arizona, 1974
Graduated with honors, Rocky River High School, Rocky River, Ohio, 1970

Larry Stevens was born in Cleveland, Ohio in 1951 and completed high school with honors. He moved to Arizona in 1970 and attended Prescott College in Prescott, Arizona. This was followed by graduate studies at the University of Arizona, Tucson and Northern Arizona University, where he received his doctoral degree in Zoology in 1989. He served as the ecologist for Grand Canyon National Park from 1989-1994, was the editor for Red Lake Books, served on many ecological councils and committees in Arizona, teaches occasionally at both Prescott College and Northern Arizona University, and still works as a whitewater guide in Grand Canyon. He is presently the curator of ecology at the Museum of Northern Arizona in Flagstaff, and is the senior ecologist for Grand Canyon Wildlands Council, in which position he serves as a conservation representative for the adaptive management of Glen Canyon Dam and the Colorado River through Grand Canyon. Larry has authored many publications, recently including a book on the ecology of springs ecosystems in North America.

PERTINENT EXPERIENCE, EMPLOYMENT, BOARDS:

2007 – present Grand Staircase National Monument Advisory Committee Chair
2006-present Curator of Ecology and Conservation, Museum of Northern Arizona, Flagstaff
2006-present Grand Canyon National Park ATBI Coordinator
2006-present Senior Ecologist , Grand Canyon Wildlands Council, Flagstaff, AZ
2006-present Conservation Representative for GCWC on the Glen Canyon Dam Adaptive Management Work Group and Technical Work Group
2005-present Science Advisor for Ecological Monitoring & Assessment, Babbitt Foundation and Northern Arizona University
2004-present Conservation Representative for GCWC on the Glen Canyon Dam Adaptive Management Technical Work Group
2003-2005 Grand Staircase National Monument, Assistant Chair and Science Advisor
2004-2006 Board of Directors, Museum of Northern Arizona, Flagstaff
2002-present Principal Investigator, Stevens Ecological Consulting, LLC, Flagstaff, AZ.
2003-2005 USFWS-trained WIFL surveyor, Yuma, AZ
2001-present Yuma East Wetlands Restoration Project, vegetation and avifaunal analyses and monitoring
2001-present Welton-Mohawk Irrigation and Drainage District Title Transfer EIS BA Preparator
2001-2005 President, Grand Canyon Wildlands Council, Flagstaff, AZ
2000-present Grand Canyon Wildlands Council, Inc., Senior Science Advisor
1999-present Stevens Ecological Consulting, LLC, Principal
1999-2006 Associate editor, Western North American Naturalist
1998-2000. Benthic aquatic biological analysis of 'Ahakhav Restoration Project, Colorado River Indian Tribe, Parker, AZ
1998-1999 Ecologist, Department of the Interior, Grand Canyon Monitoring and Research Center, Flagstaff, AZ.
1995-1997 Ecological Analyst, Applied Technology Associates, Inc.
1993-present. Adjunct Faculty, Prescott College, Prescott, AZ.
1990-present. Adjunct Faculty Member, Department of Biological Sciences, No. AZ Univ.
1988-1994 Ecologist, Grand Canyon National Park Resource Management and Planning Division, Grand Canyon, Arizona.
1986-present Research Associate, Museum of Northern Arizona, Flagstaff, Arizona.
1989-1991 Summer faculty, No. AZ Univ., Department of Biological Sciences
1986-1989 Doctoral research, Northern Arizona University. PhD completed in May, 1989
1983-present Red Lake Books, Editor (Flagstaff, AZ)
1983-1989, 1995-2003, 2006-present -- Whitewater guide in Grand Canyon for Wilderness World, Arizona Raft Adventures and Outdoors Unlimited, the National Park Service, and the Bureau of Reclamation, Flagstaff, Arizona.; >400 trips through Grand Canyon, as a guide or trip leader, primarily guiding 18' oar-powered rafts

PEER-REVIEWED PUBLICATIONS AND BOOKS

In prep. **Stevens. L.E**. and A.E. Springer. Springs Ecology, Inventory, Assessment, and Management. Under preparation for submission to Island Press, Washington.

In prep. **Stevens, L.E**. and R. Durfee. Biogeography of aquatic Coleoptera of the Grand Canyon region, northern Arizona, USA. For submission to Western North American Naturalist.

In prep. **Stevens, L.E.,** A.E. Springer, J.N. Mast and J. Rihs. Dendrohydrological analysis , groundwater modeling, and long-term decline of Grand Canyon springs. For submission to Water Resources Research.

In prep **Stevens, L.E.** and A.E. Springer. Every last drop: ecology and conservation of springs ecosystems. Submitted to Frontiers in Ecology and the Environment.

In prep **Stevens, L.E.** More politics than water: science, society, and strabismus in water management on the Colorado Plateau. *In* Frederici, P. and M. Oeschlaeger, editors. Moving Waters. Island Press, Washington.

In prep. **Stevens, L.E.,** J.N. Mast, J. Korman, and P. Higgins. Natural and anthropogenic flow regime impacts on black cottonwood (*Populus trichocarpa*) in the Bridge-Seton River system, British Columbia. Submitted to Western North American Naturalist.

In prep. **Stevens, L.E.,** B.S. Perla, D.R. Sada, A.E. Springer, S. Flora, and H. Kloeppel. A springs ecosystem health assessment protocol. *In* Stevens, L.E. and A.E. Springer, editors. Springs ecology and management. For submission to Island Press, Washington.

In prep. Jones, A.L., P.B. Stacey, J.C. Catlin, and **L.E. Stevens.** A rapid riparian-stream assessment protocol and its utility in the Grand Staircase region, Utah. Eaton, m, editor, Learning from the Land, Grand Staircase-Escalante National Monument, Kanab.

In prep **Stevens, L.E.** and D. Kesler. The entomofauna of Wake Atoll, Central Pacific. For submission to Pan-Pacific Entomologist.

In prep Springer, A.E. and **L.E. Stevens.** Importance of springs and springs ecosystems to species and habitats of the Colorado River. U.S. Geological Survey, Colorado River Basin Science and Resource Management Symposium, Washington, D.C.

In revw Waring, G.L., B.G. Ralston, .**L.E. Stevens,** and S. Archer. The changing ecology of western honey mesquite (Fabaceae: *Prosopis glandulosa* var. *torreyana*) in Grand Canyon, Arizona, USA. Journal of the Arizona-Nevada Academy of Sciences.

In revw Burke, K.J., K.A. Harcksen, **L.E. Stevens,** R.J. Andress, and F.J. Johnson. Collaborative rehabilitation of Pakoon Springs in Grand Canyon-Parashant National Monument, Arizona. Submitted to Eleventh Biennial Symposium on Research on the Colorado Plateau, U.S. Geological Survey, Flagstaff.

In revw **Stevens, L.E.,** K.J. Burke, J.R. Spence, L. Pilkington, and C.Hughes. Colorado River riparian ecosystem rehabilitation in Glen Canyon National Recreation Area, Arizona. Eleventh Biennial Symposium on Research on the Colorado Plateau, U.S. Geological Survey, Flagstaff.

In press Siemion, G.M. and **L.E. Stevens.** Is riparian plant establishment limited by tamarisk herbivore interactions in the southwestern USA? Journal of the Arizona-Nevada Academy of Sciences. xx:xxx-xxx.

In press Scarbrough, A.G., L.E. Stevens, and C.R. Nelson. Synopsis of the *albibarbis* complex of *Efferia* Coquillett from the Grand Canyon region, southwestern USA, with description of new species (Diptera: Asilidae).. Pan-Pacific Entomologist xx:xxx-xxx.

2012 **Stevens, L.E.** Editor. *Global Advances in Biogeography*. InTech Publications, Rijeka. ISBN: 978-953-51-0454-4 .

2012 ***S*tevens, L.E.** The biogeographic significance of a large, deep canyon: Grand Canyon of the Colorado River, Southwestern USA. Pp. 169-208 *in* Stevens, L.E., editor. *Global Advances in Biogeography*. InTech Publications, Rijeka. ISBN: 978-953-51-0454-4 .

2011 Mortenson, S.G., P.J. Weisberg, and **L.E. Stevens.** The influence of floods and precipitation history on *Tamarix* establishment in Grand Canyon, Arizona: consequences for flow regime restoration. Biological Invasions DOI 10.1007/s10530-011-0139-z. Available on-line at http://www.springerlink.com/content/86703g18035gt74x/fulltext.pdf (accessed 5 Dec 2011).

2011 Stacey, C.J., A.E. Springer, and **L.E. Stevens**. Have arid land springs restoration projects been effective in restoring hydrology, geomorphology, and invertebrate and plant species composition comparable to natural springs with minimal anthropogenic disturbance? Collaboration for Environmental Evidence Review 10-002 (SR87).: http://www.environmentalevidence.org/Documents/Completed_Reviews/SR87.pdf.

2010 **Stevens, L.E.** History of monitoring the Colorado River ecosystem below Glen Canyon Dam. Pp. 6-11 *in* U..S. Geological Survey. General Core Monitoring Plan for the Glen Canyon Dam Adaptive Management Program, Grand Canyon monitoring and Research Center, Flagstaff.

2009 **Stevens, L.E.,** B.T. Brown, and K. Rowell. Foraging ecology of peregrine falcons along the dam-regulated Colorado River, Grand Canyon, Arizona. The Southwestern Naturalist 54:284-299.

2009 Crews, S. and **L.E. Stevens.** Spiders of Ash Meadows National Wildlife Refuge, southern Nevada, USA. The Southwestern Naturalist 54:331-340.

2009 **Stevens, L.E.** and R.A. Bailowitz. Odonata biogeography in the Grand Canyon ecoregion, southwestern U.S.A. Annals of the Entomological Society of America 102(2):261-274. Abstract available at: http://www.bioone.org/doi/abs/10.1603/008.102.0208.

2008 Perla, B.S. and **L.E. Stevens.** Biodiversity and productivity at an undisturbed spring, in comparison with adjacent grazed riparian and upland habitats. Pp. 230-243 *in* Stevens, L.E. and V. J. Meretsky, editors. *Aridland Springs in North America: Ecology and Conservation.* University of Arizona Press, Tucson.

2008 Springer, A.E. and **L.E. Stevens.** Spheres of discharge of springs. Hydrogeology Journal DOI 10.1007/s10040-008-0341-y.

2008 Springer, A.E., **L.E. Stevens,** D. Anderson, R.A. Parnell, D. Kreamer, and S. Flora. A comprehensive springs classification system: integrating geomorphic, hydrogeochemical, and ecological criteria. Pp. 49-75 *in* Stevens, L.E. and V. J. Meretsky, editors. Aridland springs in North America: ecology and conservation. University of Arizona Press, Tucson.

2008 **Stevens. L.E**. Every last drop: future of springs ecosystem ecology and management. Pp. 332-346 i*n* Stevens, L.E. and V. J. Meretsky, editors. Aridland springs in North America: ecology and conservation. University of Arizona Press, Tucson.

2008 **Stevens, L.E.** and R.A. Bailowitz. Odonata of Ash Meadows National Wildlife Refuge, southern Nevada, U.S.A. Journal of the Arizona-Nevada Academy of Sciences 40:128-135.

2008 **Stevens, L.E.** and V. J. Meretsky, editors. Aridland springs in North America: ecology and conservation. University of Arizona Press, Tucson.

2008 **Stevens, L.E.** and V. J. Meretsky. Springs ecosystem ecology and management. Pp. 3-10 *in* Stevens, L.E. and V. J. Meretsky, editors. Aridland springs in North America: ecology and conservation. University of Arizona Press, Tucson.

2008 **Stevens, L.E**. and J.T. Polhemus. Biogeography of aquatic and semi-aquatic Heteroptera in the Grand Canyon ecoregion, southwestern USA. Monographs of the Western North American Naturalist 4:38-76.

2008 **Stevens, L.E.,** F.B. Ramberg, and R.F. Darsie, Jr. Biogeography of Culicidae (Diptera) in the Grand Canyon region, Arizona, USA. Pan-Pacific Entomologist 84:92-109.

2008 **Stevens, L.E.,** D.S. Turner, and V. Supplee. 2008. Background: wildlife and flow relationships in the Verde River watershed. Pp. 51-70 *in* Haney, J.A., D.S. Turner, A.E. Springer, J.C. Stromberg, L.E. Stevens, P.A. Pearthree, and V. Supplee. Ecological implications of Verde River flows. The Nature Conservancy, Phoenix.

2007 Bailowitz, R. and **L. Stevens**. *Argia hinei* in Utah. Argia 17(4):21.

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2007 **Stevens, L.E.,** T.L. Griswold, O. Messinger, W.G. Abrahamson, II, and T. J. Ayers. 2007. Plant and pollinator diversity in northern Arizona. The Plant Press 31 (1):5-7.

2007 **Stevens , L.E**., J.T. Polhemus, R.S. Durfee, and C.A.Olson. Large, mixed-species dispersal flights of predatory and scavenging aquatic Heteroptera and Coleoptera, Northern Arizona, USA. Western North American Naturalist 67:587-592. https://ojs.lib.byu.edu/wnan/index.php/wnan/article/view/1611/1937.

2006 Stacey, P.B., A.L. Jones, J.C. Catlin, D.A. Duff, **L.E. Stevens,** and C. Gourley. User's guide for the rapid assessment of the functional condition of stream-riparian ecosystems in the American Southwest. Wild Utah Project, Salt Lake City.

2005 **Stevens, L.E.** and R.A. Bailowitz. Distribution of *Brechmorhoga* clubskimmers (Odonata: Libellulidae) in the Grand Canyon region. Western North American Naturalist 65:170-174. https://ojs.lib.byu.edu/wnan/index.php/wnan/article/view/1314/1171

2005 **Stevens, L.E**., P.B. Stacey, A. Jones, D. Duff, C. Gourley, and J.C. Caitlin. A protocol for rapid assessment of southwestern stream-riparian ecosystems. Pp. 397-420 in van Riper, C. III and D.J. Mattson, editors. Fifth Conference on Research on the Colorado Plateau, University of Arizona Press., Tucson.

2005 Yard, M.D., G.E. Bennett, S.N. Mietz, L.G. Coggins Jr., **L.E. Stevens**, S. Hueftle, and D.W. Blinn. Influence of topographic complexity on solar insolation estimates for the Colorado River, Grand Canyon, AZ. Ecological Modeling 183:157-172.

2004. Shelley, R.M. and **L.E. Stevens.** Discovery of the milliped, *Tylobolus utahensis* Chamberlin, in Arizona (Spirobolida: Spirobolidae). Western North American Naturalist 63:541-542. https://ojs.lib.byu.edu/wnan/index.php/wnan/article/view/456/322.

2004 Stromberg, J., M. Briggs, C. Gourley, M. Scott, P. Shafroth, and **L. Stevens.** Human alterations of riparian ecosystems. Pp. 99-126 in Baker, M.B. Jr., P.F. Ffolliott, L. DeBano, and D.G. Neary, editors. Riparian Areas of the Southwestern United States: hydrology, ecology, and management. Lewis Publishers, Boca Raton.

2004 **Stevens, L.E.** and R.L. Huber. Biogeography of tiger beetles (Cicindelidae) in the Grand Canyon Ecoregion, Arizona and Utah. Cicindela 35:41-64.

2003 **Stevens, L.E.** and A.E. Springer. A conceptual model of springs ecosystem ecology. National Park Service, Flagstaff, AZ, published online at http://www1.nature.nps.gov/im/units/scpn/phase2.htm.

2002 Meretsky, V.J., E.G. North, and **L.E. Stevens**. Kanab ambersnail and other terrestrial snails in south central Utah. Western North American Naturalist 62:307-316. https://ojs.lib.byu.edu/wnan/index.php/wnan/article/view/1141/998.

2002 **Stevens, L.E**. and B.D. Gold. A long-term monitoring program for adaptive management of the Colorado River ecosystem in Glen and Grand canyons. Pp. 101-134 *in* Busch, D. and J. Trexler, editors. Interdisciplinary approaches for evaluating ecoregional initiatives. Island Press, Washington.

2002 **Stevens, L.E.** and G.P. Nabhan. Geographic heterogeneity: climate, stratigraphy, and soils of the Colorado Plateau. Pp. 27-32 *in* Center for Sustainable Environments, Terralingua, and Grand Canyon Wildlands Council, editors. Safeguarding the uniqueness of the Colorado Plateau: an ecoregional assessment of biocultural diversity. Center for Sustainable Environments, Northern Arizona University, Flagstaff.

2002 **Stevens, L.E**. and G.P. Nabhan. Hydrological diversity: water's role in shaping natural and cultural diversity on the Colorado Plateau. Pp. 33-40 *in* Center for Sustainable Environments, Terralingua, and Grand Canyon Wildlands Council, editors. Safeguarding the uniqueness of the Colorado Plateau: an ecoregional assessment of biocultural diversity. Center for Sustainable Environments, Northern Arizona University, Flagstaff.

2002 **Stevens, L.E**. and G.P. Nabhan. Biodiversity: plant and animal endemism, biotic associations, and unique habitat mosaics in living landscapes. Pp. 41-48 in Center for Sustainable Environments, Terralingua, and Grand Canyon Wildlands Council, editors. Safeguarding the uniqueness of the Colorado Plateau: an ecoregional assessment of biocultural diversity. Center for Sustainable Environments, Northern Arizona University, Flagstaff.

2002 **Stevens, L.E**. and T.J. Ayers. The biodiversity and distribution of alien vascular plant and animals in the Grand Canyon region. Pp. 241-265 *in* Tellman, B., editor. Invasive exotic species in the Sonoran Region. University of Arizona Press, Tucson.

2001 Hueftle, S.J. and **L.E. Stevens**. Experimental flood effects on the limnology of Lake Powell Reservoir, southwestern U.S.A. Ecological Applications 11:635-643.

2001 LaRue, C.T., L.L. Dickson, N.L. Brown, J.R. Spence, and **L.E. Stevens**. Recent bird records from the Grand Canyon region, 1974-2000. Western Birds

2001 Patten, D.T. and **L.E. Stevens.** Restoration of the Colorado River ecosystem using planned flooding. Ecological Applications 11:633-634.

2001 Schmidt, J.C., R. Parnell, P.E. Grams, J.E. Hazel, M.A. Kaplinski, **L.E. Stevens**, and T.L. Hoffnagle The 1996 controlled flood in Grand Canyon: flow, sediment transport, and geomorphic change. Ecological Applications 11:657-672.

2001 **Stevens, L.E**., T.J. Ayers, J.B. Bennett, K.Christensen, M.J.C. Kearsley, V.J. Meretsky, A.M. Phillips III, R.A. Parnell, J.Spence, M.K. Sogge, A.E. Springer, and D.L. Wegner. Planned flooding and Colorado River riparian trade-offs downstream from Glen Canyon Dam, Arizona. Ecological Applications 11:701-710.

2000 Merényi, E., W.H. Farrand, **L.E. Stevens**, T.S. Melis, and K. Chhibber. Mapping Colorado River ecosystem resources in Glen Canyon: analysis of hyperspectral low altitude AVRIS imagery. 14th Congress on Applied Geologic Remote Sensing, Las Vegas, NV.

2000 Meretsky, V.J. and **L.E. Stevens**. Kanab ambersnail, an endangered succineid snail in southwestern USA. Tentacle 8:8-9.

2000 Miller, M.P., **L.E. Stevens**, J. D. Busch, J.A. Sorensen, and P. Keim. Amplified fragment length polymorphism and mitochondrial sequence data detect genetic differentiation and relationships in endangered southwestern U.S.A. ambersnails (*Oxyloma* spp.). Canadian Journal of Zoology 78:1845-1854.

2000 Meretsky, V.J., D.L. Wegner, and **L.E. Stevens.** Balancing endangered species and ecosystems: a case study of adaptive management in Grand Canyon. Environmental Management 25:579-586.

2000 Walters, C., J. Korman, **L.E. Stevens**, and B.D. Gold. Ecosystem modeling for evaluation of adaptive management policies in the Grand Canyon. Conservation Ecology 4:1[online] URL: http://www.consecol.org/vol4/iss2/art1.

1999 Myers, T.M., C.C. Becker, and **L.E, Stevens**. Fateful journey: injury risk and death on Colorado River trips in Grand Canyon. Red Lake Books, Flagstaff.

1999 Parnell, R.A., Jr., J.B. Bennett, and **L.E. Stevens**. 1999. Mineralization of riparian vegetation buried by the 1996 controlled flood. Pp. 225-239 *in* Webb, R.H., J.C. Schmidt, G.R. Marzolf, and R.A. Valdez. The controlled flood in Grand Canyon. American Geophysical Union Geophysical Monograph 110. Washington.

1999 **Stevens, L.E**., K. Burke, and K. Crumbo. State of the Grand Canyon ecoregion. Wildearth 9:70-71.

1999 **Stevens, L.E**. Riparian ecology of the Colorado Plateau. *In* Collier, M., editor. Water, earth, and sky: the Colorado River basin. University of Utah Press, Salt Lake City.

1998 Brown, B.T., **L.E. Stevens** and T.A. Yates. Influences of fluctuating river flows on bald eagle foraging behavior. The Condor 100:745-748.

1998 Schmidt, J.C., R.H. Webb, R.G. Marzolf, R.A. Valdez and **L.E. Stevens**. Science and values in river restoration in the Grand Canyon. BioScience 48:735-747.

1998 **Stevens, L.E**., J.E. Sublette, and J.P. Shannon. Chironomidae (Diptera) of the Colorado River in Grand Canyon, Arizona, U.S.A., II: Distribution and phenology. The Great Basin Naturalist 58:147-155. https://ojs.lib.byu.edu/wnan/index.php/wnan/article/view/827/1667.

1998 Sublette, J.E., **L.E. Stevens**, J.P. Shannon. Chironomidae (Diptera) of the Colorado River in Grand Canyon, Arizona, U.S.A., I: Taxonomy and ecology. The Great Basin Naturalist:58:97-146. https://ojs.lib.byu.edu/wnan/index.php/wnan/article/view/826/1666.

1997 Brown, B.T. and **L.E. Stevens**. Winter bald eagle distribution is inversely correlated with human activity along the Colorado River in Grand Canyon. J. Raptor Research 31:7-10.

1997 **Stevens, L.E**., K.A. Buck, B.T. Brown and N. Kline. Dam and geomorphic influences on Colorado River waterbird distribution, Grand Canyon, Arizona. Regulated Rivers: Research & Management 13:151-169.

1997 **Stevens, L.E**., J.P. Shannon and D.W. Blinn. Benthic ecology of the Colorado River in Grand Canyon: dam and geomorphic influences. Regulated Rivers: Research & Management 13:129-149. Abstract available online at: http://www3.interscience.wiley.com/journal/11832/abstract?CRETRY=1&SRETRY=0.

1996 Salzer, M.W., V.A.S. McCord, **L.E. Stevens** and R.H. Webb. The dendrochronology of *Celtis reticulata* in the Grand Canyon: assessing the impact of regulated river flow on tree growth. Pp. 273-

281 *in* J.S. Dean, D.M. Meko and T.W. Swetnam (editors). Tree Rings, Environment and Humanity. Radiocarbon.

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1995 Blinn, D.W., J.P. Shannon, **L.E. Stevens,** and J.P. Carder. Consequences of fluctuating discharge for lotic communities. Journal of the North American Benthological Society 14:233-248.

1995 **Stevens, L.E**. and D.L. Wegner. Changes on the Colorado River: operating Glen Canyon Dam for environmental criteria. Pp. 65-74 in U.S. Environmental Protection Agency and Northeastern Illinois Planning Commission, editors. Using ecological restoration to meet Clean Water Act goals: Proceedings of a National Symposium, Chicago.

1995 **Stevens, L.E**., J.S. Schmidt, T.J. Ayers and B.T. Brown. Geomorphic influences on fluvial marsh development along the dam-regulated Colorado River in the Grand Canyon, Arizona. Ecological Applications 5:1035-1039.

1994. Ayers, T.J. and **L.E. Stevens**. Noteworthy collections – Arizona. Madroño 41:228-229.

1994 Ayers, T.J., R.W. Scott, **L.E. Stevens**, K. Warren, A.M. Philips, III, and M.D. Yard. Additions to the flora of Grand Canyon National Park – I. Journal of the Arizona-Nevada Academy of Science 1:70-75.

1994 Brown, B.T., S.W. Carothers, R.R. Johnson, M.B. Riffey, and **L.E. Stevens**. Checklist of the birds of the Grand Canyon region. Grand Canyon Natural History Association, Grand Canyon.

1994 O'Conner, J. E., L.L. Ely, E.E. Wohl, **L.E. Stevens**, T.S. Melis, V.S. Kale, and V.R. Baker. A 4500-year record of large floods on the Colorado River in the Grand Canyon, Arizona. Journal of Geology 102: 1-9.

1994. Shannon, J.P, D.W. Blinn, and **L.E. Stevens**. Trophic interactions and benthic animal community structure in the Colorado River, AZ, USA. Freshwater Biology 31:213-220.

1992 Brown, B.T. **and L.E. Stevens.** Winter abundance, age structure, and distribution of bald eagles along the Colorado River, Arizona. Southwestern Naturalist 37: 404-435.

1992 Jackson, W.L, S. Ponce, and **L. Stevens**. National parks and regulated rivers: opportunities and challenges. World Conservation Union IVth Congress on National Parks and Protected Areas. Caracas, Venezuela.

1989 **Stevens, L.E**. Mechanisms of riparian plant community organization and succession in Grand Canyon, Arizona. PhD Dissertation, Northern Arizona University, Flagstaff.

1989 **Stevens, L.E**. The status of ecological research on tamarisk (Tamaricaceae: *Tamarix ramosissima*) in Arizona. Pp. 99-105 *in* Kunzman, M.R., R.R. Johnson and P.S. Bennett (eds.). Tamarisk control in southwestern United States. Cooperative National Park Resources Study Unit Special Report Number 9, Tucson.

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1989 Brown, B.T., R. Mesta, **L.E. Stevens**, and J. Weisheit. Changes in winter distribution of bald eagles along the Colorado River in Grand Canyon, Arizona. Journal of Raptor Research 23:110-113.

1988 **Stevens, L.E**. and G. L. Waring. Effects of post-dam flooding on riparian substrates, vegetation, and invertebrate populations in the Colorado River corridor in Grand Canyon. Bureau of Reclamation Glen Canyon Environmental Studies Report 19, Flagstaff. NTIS PB88-183488/AS.

1985 **Stevens L.E**. and G.L. Waring. Effects of prolonged flooding on riparian vegetation in Grand Canyon. Pp. 81-86 *in* Johnson, R.R. et al., editors Riparian ecosystems and their management. U.S. Department of Agriculture National Forest Service General Technical Report RM-120. Ft. Collins.

1985 **Stevens, L.E**. Aspects of invertebrate herbivore community dynamics on *Tamarix chinensis* and *Salix exigua* in the Grand Canyon. Northern AZ Univ. MS Thesis.

1981. **Stevens, L.E.** Identification of arthropod remains from Walpi Village. Part II (pp. 1-41) in Czaplewski, N.J., G.A. Ruffner, and L.E. Stevens., editors. Walpi Archaeological Project – Phase II . Museum of Northern Arizona, Flagstaff.

1977 **Stevens, L.E**., B.T. Brown, J.M. Simpson, and R.R. Johnson. The importance of riparian habitats to migrating birds. Pp. 156-164 *in* Johnson, R.R. and D. Jones, editors. Proceedings of a Symposium on the Importance, Preservation and Management of Riparian Habitats. U.S. Department of Agriculture National Forest Service General Technical Report RM-43. Ft. Collins.

POPULAR WRITINGS

2012 **Stevens, L.E.** Springs Ecosystems of Grand Canyon. River Runner Magazine, *in press.*

2011 **Stevens, L.E.** Book review: A Natural History of the Intermountain West by G.L. Waring. The Plant Press35:13.

2011 **Stevens, L.E.** Arizona springs: hotspots at risk. The Plant Press 34(2), and republished in Museum Notes of the Museum of Northern Arizona Summer/Fall 2011.

2010 **Stevens, L.** Dragonflies & damselflies of the Grand Canyon region. The Grand Canyon River Runner 11:4-5.

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2009 Mathis, A., S. Mietz, B. Leibfried, **L. Stevens,** and B. Persons. Flying Fish: The 2009 Humpback Chub Translocation Experiment. Boatman's Quarterly Review *in press.*

2008 **Stevens, L.** River weed: the good, the bad, and the weird complexity of nonnative tamarisk invasion in the Southwest. The Grand Canyon River Runner 6:4-5.

2006 **Stevens, L.E.** Hot spots of diversity: springs in the Grand Canyon. P. 20 *in* Huisinga, K., L. Makarick, and K. Waters., editors. River and desert plants of the Grand Canyon. Mountain Press Publishing Co., Missoula.

2006 **Stevens, L.** Farvana. Pp. 7-11 *in* Sadler, C. There's This River. This Earth Press, Flagstaff.

2005 **Stevens, L.** Hidden oases: Life around springs. Grand Canyon Nature Notes 21:6-7.:

2005 **Stevens, L.E.** Entomophilia on the Plateau. Museum Notes of the Museum of Northern Arizona Summer/Spring 2005.

2000 **Stevens, L.** State of the Canyon. Grand Canyon River Outfitters Association. Website: http://www.gcroa.org/Pages/statecanyon.htm (accessed June 2008).

1986 **Stevens, L.E.** The Mojave Desert. Pp. 72-90 *in* Miller, T., editor. Arizona: The Land and the People. University of Arizona Press, Tucson.

1985 **Stevens, L.** The 67 elephant theory or learning to boat big water hydraulics. River Runner 5:24-25.

1983-2004 **Stevens, L.E.** The Colorado River in Grand Canyon: a comprehensive guide to its natural and human history. Red Lake Books, Flagstaff.

1981 **Stevens, L.** Journeys: There is only one river. Plateau 53:24-28.

REPORTS

In prep **Stevens, L.E.** NEPA compliance for tamarisk habitat restoration, Glen Canyon National Recreation Area, Arizona. Glen Canyon National Recreation Area, Page.

In prep **Stevens, L.E.** NEPA compliance for the restoaration of Pakoon Springs in Parashant National Monument, Arizona Strip, Arizona. U.S. Bureau of Land Management, St. George.

2011 **Stevens, L.E.** The status, ecological role, and potential for reintroduction of speices of management concern in the Colorado Rier ecosystem, Glen and Grand Canyons, Arizona, USA. Grand Canyon Wildlands Council,, Inc., Flagstaff.

2011 Waring, G.L., B.G. Ralston, .**L.E. Stevens, and** S. Archer. The changing ecology of western honey mesquite (Fabaceae: *Prosopis glandulosa* var. *torreyana*) in Grand Canyon, Arizona, USA. Report submitted to U.S. Geological Survey Grand Canyon Monitoring and Research Center, Flagstaff.

2010 **Stevens, L.E**. Odonata (dragonflies and damselflies) of Pelican Island National Wildlife Refuge, Indian River County, Florida, USA. Report submitted to the U.S. Fish and Wildlife Service, Vero Beach.

2010 Grand Canyon Wildlands Council, Inc. Pakoon Springs Restoration final report - Task #9, AWPF Grant Contract #06-137WPF. Arizona Water Protection Fund, Phoenix (**LE Stevens** is lead author)..

2010 **Stevens, L.E.** and D. Kesler. The entomofauna of Wake Atoll, Central Pacific. Report to University of Missouri, Columbia..

2010 Knowles, G., M. Andersen, **L. Stevens.,** and others. Comprehensive plan for the management and conservation of humpback chub (*Gila cypha*) in Grand Canyon, Arizona. Report to the Glen Canyon Dam Adaptive Management Work Group and U.S. Fish and Wildlife Service, Phoenix.

2008 **Stevens, L.E**. and K. Whitley. A bibliography of the Verde River watershed. Museum of Northern Arizona, Flagstaff.

2008 Stevens, L.E., G.P. Nabhan, L. Monti, C.E. Olson, E. Shock, and R. Glennon. Arizona Heritage Waters: Significant Hydrological Features of Arizona. Available on-line at: http://www.azheritagewaters.nau.edu.

2007 Otis Bay Ecological Consultants, **L.E. Stevens,** and P.J .Weisberg. Willow Creek Watershed Assessment. Prepared for the U.S. Forest Service, Las Vegas.

2007. **Stevens, L.E.** A review of invertebrate species of management concern on five northern Arizona forests: final report. Museum of Northern Arizona, Flagstaff.

2007 **Stevens, L.E.** and E.C. Omana. A biological inventory of 16 Verde River basin springs. Stevens Ecological Consulting, LLC, Flagstaff.

2007 **Stevens, L.E**. A compilation and evaluation of historic water temperature and related water quality data fro the Colorado River, Grand Canyon, with particular emphasis on River Miles 55 to 65. Final Report to the Grand Canyon Monitoring and Research Center, U.S. Geological Survey, Flagstaff.

2007 **Stevens, L.E.** An invertebrate inventory of Grand Canyon National Park, Arizona. Report to the U.S. National Park Service, Grand Canyon.

2006 Springer, A.E., **L.E. Stevens**, and R. Harms. Inventory and classification of selected National Park Service springs on the Colorado Plateau: NPS Cooperative Agreement Number CA 1200-99-009. National Park Service, Flagstaff.

2006 Otis Bay, Inc. and **Stevens Ecological Consulting, LLC**. Ash Meadows Geomorphic and Biological Assessment: Final Report. U.S. Fish and Wildlife Service, Las Vegas..

2005 Grand Canyon Wildlands Council, Inc. Fremont cottonwood (*Populus fremontii*) demography and responses to changing discharge at four springs in Grand Canyon, Arizona. Submitted to Grand Canyon National Park Science Center, Grand Canyon (**L.E. Stevens** , author).

2005 **Stevens, L.E.** Pre-revegetation and intial post-revegeratation avian censusing at Lees Ferry. Pp. 76-83 in Grand Canyon Wildlands Council, Inc. Glen and Grand Canyon riparian restoration project: final report to the Arizona Water Protection Fund Contract No. 99-075WPF, Phoenix.

2005 **Stevens, L.E.** An invertebrate inventory in Grand Canyon National Park. Report submitted to Grand Canyon National Park Science Center, Grand Canyon..

2005 **Stevens, L.E.** and A.E. Springer. Spring ecosystems inventory protocol for park units in the Northern and Southern Colorado Plateau Networks. National Park Service Colorado Plateau Spring Ecosystem Survey, National Park Service, Flagstaff.

2004 Grand Canyon Wildlands Council, Inc. Biological inventory and assessment of ten South Rim springs in Grand Canyon National Park: final report. National Park Service Report, Grand Canyon. (**L.E. Stevens** , author)..

2004 **Stevens , L.E.** 2004. 2004 Southwestern Willow Flycatcher survey results in the Yuma East Wetlands, Yuma, Arizona: final report, 31 July 2004. Report prepared for Phillips Consulting, LLC, the U.S. Fish and Wildlife Service, and the Arizona Game and Fish Department, Phoenix.

2004 **Stevens , L.E.** Yuma clapper rail survey results in the Yuma East Wetlands, Yuma, Arizona: final report, 31 July 2004. Report prepared for Phillips Consulting, LLC, the U.S. Fish and Wildlife Service, and the Arizona Game and Fish Department, Phoenix.

2004 **Stevens, L.E.** and A.E. Springer. A conceptual model of springs ecosystem ecology: Task 1B Final Report, NPS Cooperative Agreement Number CA 1200-99-009. National Park Service, Flagstaff.

2003 **Stevens, L.E**. A review of the draft Coconino County Comprehensive Plan. Submitted to Coconino County, Flagstaff, AZ.

2003 **Stevens , L.E.** 2003 Southwestern Willow Flycatcher survey results in the Yuma East Wetlands, Yuma, Arizona: final report, 31 July 2004. Report prepared for Phillips Consulting, LLC, the U.S. Fish and Wildlife Service, and the Arizona Game and Fish Department, Phoenix.

2003 **Stevens, L.E.** 2003 Yuma clapper rail survey results in the Yuma East Wetlands, Yuma, Arizona: final report, 31 July 2004. Report prepared for Phillips Consulting, LLC, the U.S. Fish and Wildlife Service, and the Arizona Game and Fish Department, Phoenix.

2003 **Stevens, L.E**. Biological evaluation of the Yuma Gateway Park Restoration Project. Phillips Consulting, LLC, and the City of Yuma, AZ.

2003 **Stevens, L.E**. Biological evaluation of the Yuma East Wetlands Restoration Project. Phillips Consulting, LLC, and the City of Yuma, AZ.

2003 Garrett, L.D**., L.E. Stevens**, W.E. Haas, D.K. Kreamer, R.A. Valdez, and E.E. Wohl. A Review of the Second Administrative Draft "Conservation Plan for the Lower Colorado River Multi-species Conservation Program" Final Report, M3 Research, Olathe.

2002 Grand Canyon Wildlands Council, Inc. Inventory of 100 Arizona Strip springs, seeps and natural ponds: Final Project Report. Arizona Water Protection Fund, Phoenix. (Stevens was lead writer).

2002 **Stevens, L.E.** Evaluating criteria for selecting critical riparian areas in the Little Colorado River Basin, Arizona: final report. Arizona Water Protection Fund, Phoenix.

2002 Grand Canyon Wildlands Council , Inc. (authors: **Stevens, L.E**., R.J. Johnson, B. Perla, and K.J. Burke). A hydrological and biological inventory of springs, seeps and ponds of the Arizona Strip, final report. Arizona Water Protection Fund, Phoenix.

2002 **Stevens, L.E**. Assessment of Biological Resource Effects of the Proposed Wellton-Mohawk Title Transfer Project. Prepared for Phillips Consulting, Flagstaff, and Navigant Consulting, Phoenix for the U.S. Bureau of Reclamation, Lower Colorado River Basin, Boulder City.

2001 **Stevens, L.E.** Recent biological collections in Grand Canyon National Park. Grand Canyon Science Center, Grand Canyon.

2000 Miller, M., **L.E. Stevens**, P. Keim, and S-K. Wu. A morphological and genetic analysis of the genus *Oxyloma* in the United States and Canada, with emphasis on endangered Kanab ambersnail (*Oxyloma haydeni kanabensis*). Grand Canyon Monitorig and Research Center, Flagstaff.

2000 **Stevens, L.E**. Scientific and historic resources of the Paria Plateau. Grand Canyon Wildlands Council report, Flagstaff, AZ

1999 **Stevens, L.E**. An ecological assessment of the Shivwits Plateau region. Grand Canyon Wildlands Council report, Flagstaff, AZ.

1999 **Stevens, L.E**. and K. Rowell. The State of the Colorado River Ecosystem. Grand Canyon Monitoring and Research Center, Flagstaff (see "http//www.gcmrc.gov" website).

1998 **Stevens, L.E**., V.J. Meretsky, C.B. Nelson and J.A. Sorensen. The endangered Kanab ambernail at Vaseys Paradise, Grand Canyon Arizona: 1997 Annual Monitoring Report. Grand Canyon Monitoring and Research Center Report, Flagstaff.

1997 **Stevens, L.E**., F. Protiva, D.M. Kubly, V.J. Meretsky and J. Petterson. The ecology of the endangered Kanab ambersnail (*Oxyloma haydeni kanabensis* Pilsbry) in Grand Canyon, Arizona. Bureau of Reclamation Glen Canyon Environmental Studies Report, Flagstaff. Available on;line at: http://www.gcmrc.gov/library/reports/biological/terrestrial/KAS/Stevens1997b.pdf.

1997 **Stevens, L.E**., F. Protiva, D.M. Kubly, V.J. Meretsky and J. Petterson. Impacts of the 1996 experimental flood from Glen Canyon Dam on endangered Kanab ambernail (*Oxyloma haydeni kanabensis* Pilsbry) in Grand Canyon, Arizona. Bureau of Reclamation Glen Canyon Environmental Studies Report, Flagstaff.

1996 **Stevens, L.E**. and V.M. Meretsky. Impacts of the 1996 experimental flood from Glen Canyon Dam on endangered southwestern willow flycatcher in Grand Canyon, Arizona. U.S. Bureau of Reclamation Glen Canyon Environmental Studies report. Flagstaff.

1995 Blinn, D.W**., L.E. Stevens** and J.P. Shannon. The effects of interim flows from Glen Canyon Dam on the aquatic food base in the Colorado River corridor in Grand Canyon, Arizona. National Park Service Cooperative Parks Study Unit, 1995 Final Report, Flagstaff.

1995 **Stevens, L.E**. and T.J. Ayers. The impacts of interim flows from Glen Canyon Dam on riparian vegetation in the Colorado River corridor, Grand Canyon, Arizona. National Park Service Cooperative Parks Study Unit 1994 Final Report, Flagstaff.

1994 Blinn, D.W., **L.E. Stevens** and J.P. Shannon. The effects of interim flows from Glen Canyon Dam on the aquatic food base in the Colorado River corridor in Grand Canyon, Arizona. NPS Cooperative Parks Study Unit, Final Report, Flagstaff.

1993 **Stevens, L.E.** and T.J. Ayers. The impacts of Glen Canyon Dam on riparian vegetation and soil stability in the Colorado River corridor, Grand Canyon, Arizona. National Park Service Cooperative Parks Study Unit 1992 Final Report, Flagstaff.

1992 Blinn, D.W., **L.E. Stevens** and J.P. Shannon. The effects of Glen Canyon Dam on the aquatic food base in the Colorado River corridor in Grand Canyon, Arizona. National Park Service Cooperative Parks Study Unit 1992 Final Report, Flagstaff.

1992 Beus, S.S., C.C. Avery, **L. Stevens**, B.C. Cluer, M. Carpenter, R. Carruth, J. Schmidt, and W. Jackson. The influence of variable discharge regimes on Colorado River sand bars below Glen Canyon Dam. National Park Service Cooperative Studies Unit Final Report, Flagstaff.

RECENT, PRESENT AND PENDING FUNDING

2011-2013 Arizona Water Protection Fund (through Grand Canyon Wildlands Council, Inc, Flagstaff). Restoration of Riparian Habitat in Glen Canyon $395,000.

2011-2013 Arizona Water Protection Fund (through Grand Canyon Wildlands Council, Inc, Flagstaff). Restoration of Pakoon Springs $295,000.

2008-10 Christensen Fund – Tribal Springs Assessment and Restoration, $100,000

2008 Arizona Heritage Waters – Arizona Water Institute, $$20,000.

2007-08 Curation of Flagstaff NPS invertebrate collection, $3,100

2007 Arizona Heritage Waters – Arizona Water Institute, $$39,000.

2007 Sprinsnail habitat inventory and restoration , Spring Mtns, Clark Co., NV for Otis Bay, Inc. and Toiyabe National Forest, Las Vegas. $19,000.

2006-08 Hualapai Tribal springs monitoring, $49,000

2006-07 Sensitive invertebrate species on northern Arizona forests. U.S. Forest Service, Flagstaff; $6,000.

2006 Verde River Ecological Flows. A proposal submitted to Arizona Water Institute $11,000.

2006 Arizona Heritage Waters. A proposal to the Arizona Water Institute $43,000.

2005 Springs inventory on Colorado Plateau National Parks, Northern Arizona University – National Park Service, $22,000.

2005 Endangered fish restoration in Grand Canyon, Grand Canyon Wildlands Council – National Park Service, $20,000.

2004-08 Data-mining of vascular plant and vertebrate species on Parashant National Monument (NPS), $35,000.

2004-06 Development of a management plan for Ash Meadows National Wildlife Refuge, Otis Bay, $62,000.

2004-05 Biology and ecology of Havasupai Indian Reservation springs, NRCE, Ft. Collins, $40,000.

2003 A biological survey of Havasu Indian Reservation Springs, NRCE, Ft. Collins: $20,000.

2003 Biting and pestiferous invertebrates of the Colorado River in Grand Canyon, Arizona. $4000.

2001-3 Biological and geochemical inventories of South Rim springs, Grand Canyon National Park, Arizona Arizona Water Protection Fund, Phoenix. $400,000.

2001-3 Control of non-native tamarisk in Glen and Grand canyons. Arizona Water Protection Fund, Phoenix. $350,000.
2001-2 Biological and geochemical inventories of Arizona Strip springs, seeps and natural ponds. Arizona Water Protection Fund, Phoenix. $99,000.
2000 Conservation ecology of the Grand Canyon Ecoregion. Wyss Foundation, New York, NY. $20,000.
2000 Riparian habitat modeling in the Bridge and Seton River basins, central southern British Columbia. B.C. Hydro. $48,000.
1999 Conservation ecology of the Grand Canyon Ecoregion. Wyss Foundation, New York, NY. $50,000.

Synergistic Activities:
2006-present Conservation Representative for GCWC on the Federal Advisory Committee Glen Canyon Dam Adaptive Management Work Group and Technical Work Group
2004-2006 Board of Directors, Museum of Northern Arizona, Flagstaff
2003-2005 Grand Staircase National Monument, Chair and Science Advisor
2000-present Grand Canyon Wildlands Council, Inc., Senior Science Advisor
2000-present Principal Investigator, Stevens Ecological Consulting, LLC, Flagstaff
1990-present Adjunct professor in NAU Department of Biological Sciences and Prescott College.
1976-present Professional Colorado River guide and back country expeditions leader in Grand Canyon and southern Colorado Plateau on >400 river trips and >10,000 km of hikes

Collaborators and Other Affiliations (through MNA): W.G. Abrahamson II, D. Anderson, T.J. Ayers, G.E. Bennett, J.B. Bennett, D.W. Blinn, M. Briggs, B.T. Brown, J N.L. Brown,. D. Busch, J.C. Catlin, K. Chhibber, K.Christensen,. L.G. Coggins Jr., S. Crews, R..F. Darsie, Jr., L.L. Dickson, D.A. Duff, R. Durfee, W.H. Farrand, O. Flint, S. Flora, B.D. Gold, C. Gourley, T.L. P.E. Grams, Griswold, J.A. Haney, J.E. Hazel, T.L. Hoffnagle, R.L. Huber, S. Hueftle, A.L. Jones, M.A. Kaplinski, M.J.C. Kearsley, P. Keim. H. Kloeppel, D. Kreamer, C.T. LaRue, J.D. Ledbetter, J.N. Mast, D.J. Mattson, T.S. Melis, E. Merényi, V.J. Meretsky, O. Messinger, M.P. Miller, S.N. Mietz, S. Mortenson, G.P. Nabhan, E.G. North, C.A.Olson, R.A. Parnell, D.T. Patten, P.A. Pearthree, B.S. Perla, A.M. Phillips III, J.T. Polhemus, B.G. Ralston, F.B. Ramberg, J. Rihs, K. Rowell, D. Rueter, D.R. Sada, J.C. Schmidt, M. Scott, P. Shafroth, J.P. Shannon, R.M. Shelley, G.M. Siemion, M.K. Sogge, J.A. Sorensen, J.R. Spence, A.E. Springer, P.B. Stacey, J.C. Stromberg, J. Sublette. V. Supplee, J. Trexler, D.S. Turner, C. van Riper III, G.L. Waring, D.L. Wegner, P. Weisberg, M.D. Yard..

Co-editors (last 2 years): V.J. Meretsky, A.E. Springer

Graduate Advisors: D.W. Blinn, P.W. Price, C. N. Slobodchikoff, T.G. Whitham.

Senior and Masters Theses and Dissertation Advisor (total: 11 women, 6 men): J. Barnes, K.A. Buck, C. Cooley, R. England, S. Ferrier, K. Hamman, R. Harms, A. LaBrake, J.D Ledbetter, S.G. Mortenson, E.G. North, J. Schultz, J.P. Shannon, G.M. Siemion, D. Stanitski-Martin, K.A. Whitley, G. Wimp.

LECTURES AND UNIVERSITY COURSES

>10 public and scientific lectures/year to the public and to national and international symposia
2007 Heteropteran biogeography and the geomorphic evolution of Grand Canyon. Invited presentation to Smithsonian Institution Department of Paleontology,.
2007 The Arizona-Chilean connection. A lecture to the Museum of Northern Arizona Muses, Sedona.
2007 The history of biological inventory of Grand Canyon. Grand Canyon Association History Symposium, Grand Canyon.

2006 Peregrine falcon foraging behavior in Grand Canyon. Lecture given to the U.S. Geological Survey Symposium on Research on the Colorado Plateau, Flagstaff.

2005 Wings and Mucous in the Halls of Time: the biogeographic significance of a large, deep canyon. Lecture given to the U.S. Geological Survey Symposium on Research on the Colorado Plateau, Flagstaff.

2004 Wings and Mucous in the Halls of Time: the biogeographic significance of a large, deep canyon. Lecture given to the U.S. Geological Survey Symposium on Research on the Colorado Plateau, Flagstaff.

2003 The role of backwaters as native fish nursery habitats in Grand Canyon. American Fisheries Society, San Diego.

2003 An Introduction to Wetlands: Ecology, Management and Conservation. Prescott College.

2002 Entomological Biogeography – Department of Biological Sciences, Northern Arizona University.

1999 NAU Honors Semester, Ecology of Grand Canyon. Northern Arizona University, Dept. of Geology.

1999 A long-term conservation strategy for the Grand Canyon Ecoregion. Invited presentation to the Fifth Biennial Conference on Research on the Colorado Plateau. U.S. Geological Survey, Northern Arizona University, Flagstaff, October 1999.

1999 Gold, B.D., and L.E. Stevens. A long-term monitoring program for the Colorado River Ecosystem in Glen and Grand Canyons. Invited presentation to the Ecological Society of America, Spokane WA, August 1999.

1999 Meretsky, V.J., L.E. Stevens and C.B. Nelson. Monitoring at a snail's space: the endangered Kanab ambersnail at Vaseys Paradise, Grand Canyon. Abstract No. 1716, Ecological Society of America, Spokane WA, August 1999.

1999 Stevens, L.E., M.D. Yard and G.Bennett. Light breaks where no sun shines: patterns of solar radiation in the Colorado River corridor, Grand Canyon, Arizona. Ecological Society of America, Spokane WA, August 1999.

1998 Southwestern Water Resource Management in the 21st Century: The Future of the Colorado River. Seminar delivered to the California Agricultural Society, Yosemite National Park, CA.

1998 Disturbance ecology. Department of Biological Sciences, NAU, Flagstaff, AZA. BIO698, a one credit hour graduate seminar course.

1998 Dammed If You Do, Dammed If You Don't: Colorado River Ecosystem Management in Grand Canyon. Seminar delivered to Arizona State University West, 27 February 1998.

1997 Wetland and riparian vegetation responses to varied flow regimes along the regulated Colorado River, Grand Canyon, Arizona. Invited presentation to The Society of Wetland Scientists, Bozeman, MT.

1997 Stairsteps and accordions in the halls of time: flow regulation impacts on the Colorado River ecosystem in Grand Canyon. Invited presentation to the Western Society of Naturalists, La Paz, Baja California, Mexico.

1997 Stevens, L.E. and G.L. Waring. Impacts of flow regulation on riparian vegetation: a global review. Presentation to the Seventh International Symposium on Regulated Rivers, Chatanooga, TN.

1997 Aquatic and terrestrial trophic linkage in a regulated river: the Colorado River in Grand Canyon. Presentation to the Seventh International Symposium on Regulated Rivers, Chatanooga, TN.

1997 Natural and altered patterns of riparian plant diversity. Invited presentation to the ESA, Suppl. Bull. Ecological Society of America Abstracts 78:190.

1997 Johnstone, H.C., L.E. Stevens, D. Stanitski-Martin, R. Parnell, and A. Springer. Windows of opportunity: rejuvenation of fish nursery habitats in Grand Canyon, Arizona. Presentation to the Ecological Society of America, Suppl. Bull. Ecological Society of America Abstracts 78:118.

1997 Meretsky, V.J. and L.E. Stevens. Changes in paradise: spatio-temporal vegetation dynamics at Vaseys Paradise, Grand Canyon, Arizona. Presentation to the Ecological Society of America, Suppl. Bull. Ecological Society of America Abstracts 78:146.

1997 Nelson, C.B., L.E. Stevens and V.J. Meretsky. Planned floods, ecosystem restoration and endangered species management: the Kanab ambersnail (Succineidae: *Oxyloma haydeni kanabensis*) in Grand Canyon. Presentation to the Ecological Society of America, Suppl. Bull. Ecological Society of America Abstracts 78:153.

1997 Rowell, K., L.E. Stevens and B.T. Brown. Peregrine falcon foraging ecology along the regulated Colorado River, Grand Canyon, Arizona. Presentation to the Ecological Society of America, Suppl. Bull. Ecological Society of America Abstracts 78:173.

1996 Adelson, J.W., L. Nelbach and L.E. Stevens. The role of expanded repetitive genomes in the differentiation and speciation of higher organisms. Suppl. Bulletin of the Ecological Society of America, Program and Abstracts Part 2, 77(3):4.

1996 Bechtel, D.A. and L.E. Stevens. Patterns of riparian and upland species diversity on the Colorado Plateau, southwestern U.S.A. Suppl. Bulletin of the Ecological Society of America, Program and Abstracts Part 2, 77(3):29.

1996 Meretsky, V.J., L.E. Stevens and F.R. Protiva. Conservation biology of endangered Kanab ambersnail in Grand Canyon, AZ. . Suppl. Bulletin of the Ecological Society of America, Program and Abstracts Part 2, 77(3):302.

1996 Stevens, L.E. Critical species versus endangered ecosystems management in the regulated Colorado River, Arizona. . Suppl. Bulletin of the Ecological Society of America, Program and Abstracts Part 2, 77(3):423.

1996 Wegner, D.L., L.E. Stevens and V.J. Meretsky. Planned flooding as a management strategy for restoration of large river ecosystems. Suppl. Bulletin of the Ecological Society of America, Program and Abstracts Part 2, 77(3):473.

1996 Planned flooding and ecological restoration of the Colorado River in Grand Canyon. Presentation to the Board of the Grand Canyon Trust, Washington, D.C., 26 September.

1996 Ecosystems of the Colorado Plateau: Zion, Bryce and Grand Canyon National Parks. A 10-day field trip and lecture series delivered to The Smithsonian Institution, Travel Division, 5-15 October 1996.

1996 Restoration of physical processes and habitat heterogeneity in Grand Canyon: results of a planned flood. Presentation to the Sonoran Desert Museum, Tucson, AZ, 22 November 1996.

1996 Management of important species and ecosystem processes along the regulated Colorado River in Grand Canyon, Arizona. Presentation to Northern Arizona University Department of Biological Sciences, 25 November 1996.

1996 Riparian ecology. A graduate course taught for Northern Arizona University, Flagstaff, AZ 86011.

1995 Brod, C.R., L.E. Stevens and F.R. Protiva. Zonation nd water relations of riparian vegetation along the dam-regulated Colorado River, Grand Canyon, Arizona. Suppl. Bulletin of the Ecological Society of America 76(3): 306-307.

1995 Hazel, J.E., Jr., M.A. Kaplinski and L.E. Stevens. Cyclic regeneration of fluvial habitats in the dam-regulated Colorado River, Grand Canyon, Arizona. Suppl. Bulletin of the Ecological Society of America 76(3): 340.

1995 Kearsley, M.J.C., T.J. Ayers and L.E. Stevens. Continuing effects of a new flow regime on fluvial marshes along the dam-regulated Colorado River in Grand Canyon National Park, AZ. Suppl. Bulletin of the Ecological Society of America 76(2): 130.

1995 Stanitski-Martin, D. and L.E. Stevens. River influences on riparian climate: Colorado River, Glen Canyon. . Suppl. Bulletin of the Ecological Society of America 76(3): 390.

1995 Stevens, L.E. and T.J. Ayers. Flooding and wetland development along a dam-regulated river. Suppl. Bulletin of the Ecological Society of America 76(2): 254.

1995 Yard, M.D., G.E. Bennett and L.E. Stevens. A mechanistic model to predict PAR in the Colorado River, Grand Canyon, AZ. Suppl. Bulletin of the Ecological Society of America 76(3): 406.

1994 Buck, K.A. and L.E. Stevens. Temporal, geomorphic and flow regulation effects on Colorado River waterbird distribution in the Grand Canyon. Suppl. Bulletin of the Ecological Society of America 75(2): 27.

1994 Kearsley, L.E., L.E. Stevens, and J.C. Schmidt. Riparian plant diversity in the Grand Canyon: disturbance, productivity, and geomorphic influences. . Suppl. Bulletin of the Ecological Society of America 75(2): 107.

1994 Kearsley, M.J.C., L.E. Stevens and T.J. Ayers. Interim flow effects on fluvial marsh plant communities in Grand Canyon. Suppl. Bulletin of the Ecological Society of America 75(2): 107.

1994 Stevens, L.E., D.L. Wegner, R. Valdez, D.W. Blinn and D.T. Patten. Colorado River regulation effects on downstream fluvial ecosystem structure in the Grand Canyon. Suppl. Bulletin of the Ecological Society of America 75(2): 219-220.

1994 Yard, M.D., L.E. Stevens, A. G. Haden, D.W. Blinn and W. Vernieu. Light attenuation, sediment concentration and fluvial ecosystem responses in the regulated Colorado River, Grand Canyon, Arizona. Suppl. Bulletin of the Ecological Society of America 75(2): 219-254-255.

1993 Kearsley, M.J.C., L.E. Stevens, D.A. Bechtel, and T.J. Ayers. Geomorphic and hydrologic controls on riparian vegetation in the Grand Canyon, Arizona. Lecture presented to the 1993 Arizona Riparian Council, 20 March 1993, Tucson, AZ.

1993 Bechtel, D.A., L.E. Stevens, M.J. Kearsley, T.J. Ayers. Geomorphic and hydrologic controls on riparian vegetation in the Grand Canyon, Arizona. Lecture presented to the 1993 Ecological Society of America at the University of Wisconsin, Madison, WI, 3 August 1993.

1993 Kimberling, D.N., L.E. Stevens and A.C. Holm. Slope aspect effects on Colorado River corridor vegetation assemblages, Grand Canyon National Park, Arizona. Lecture presented to the 1993 Ecological Society of America at the University of Wisconsin, Madison, WI, 3 August 1993.

1993 Mehlhop, P. and L.E. Stevens. Ant distribution across a flood disturbance gradient in the Grand Canyon, Arizona. Lecture presented to the 1993 Ecological Society of America at the University of Wisconsin, Madison, WI, 3 August 1993.

1993 Stevens, L.E. Synopsis and recent developments in the Glen Canyon Environmental Studies Program. Lecture presented to Colorado River Guides Training Workshop, 2 April, 1993, Marble Canyon, AZ.

1993 Stevens, L.E. Common plants and birds of the Grand Canyon. Lecture presented to Colorado River Guides Training Workshop, 3 April 1993, Marble Canyon, AZ.

1993 Stevens, L.E. Dam discharge impacts and management in the Grand Canyon, Arizona. Lecture presented to Grand Canyon National Park Interpretation Division, 7 July, 1993 Grand Canyon

1993 Stevens, L.E. Natural resource tradeoffs in the Colorado River system. Lecture presented to NPS Water Resources Management Training Workshop, Ft. Collins, CO, 11 May 1993.

1993 Stevens, L.E. Riparian plant succession in the dam-regulated Colorado River: why is saltcedar losing? Lecture presented to the 1993 Ecological Society of America at the University of Wisconsin, Madison, WI, 3 August 1993.

1993 Stevens, L.E. Ecosystems of the Grand Canyon. Nine 1-hour lectures presented for the Grand Canyon Field Institute, Grand Canyon National Park, 14-16 September 1993.

1993 Stevens, L.E. Ecosystems of the Grand Canyon. Four 1-hour lectures presented for the Grand Canyon Field Institute, Grand Canyon National Park, 2-3 October 1993.

1993 Stevens, L.E. Ecosystems of the Grand Canyon. Nine 1-hour lectures presented for the Grand Canyon Field Institute, Grand Canyon National Park, 16-18 October 1993.

1993 Stevens, L.E., S.S. Beus and M. Kaplinski. Interim flow effects on Grand Canyon sandbars. Lecture presented to the Colorado River Constituents Group, 12 March 1993, Grand Canyon, AZ.

1993 Stevens, L.E. and P. Hester. Ecology of the Colorado River in the Grand Canyon. Prescott College (Prescott AZ) course taught 3-27 May 1993, Grand Canyon, AZ.

1992 Improving natural resources management through research and monitoring in the Colorado River corridor, Arizona. Invited lecture presented to the SWARM/Arizona-Nevada Academy of Sciences, Tucson, AZ.

1992 Stevens, L.E. Dam-related changes in the Colorado River in Grand Canyon. Invited lecture presented to the New Mexico State Museum of Natural History, Albuquerque, NM.

1992 Jackson, W.L., S. L. Ponce, and L.E. Stevens. Issues surrounding the coexistence of National Parks and regulated rivers. Presented to the George Wright Society, 17 November 1992, Jacksonville, FL.

1991 River regulation and geomorphic control of fluvial marsh development in Grand Canyon, Arizona. Presented to the American Geophysicists Union, San Francisco, CA.

1989, 1990 and 1991 Biological Techniques for Grand Canyon Ecology. A graduate level course for secondary science education teachers. Taught under the Northern Arizona University Biology and Geology Departments.

1989 The role of disturbance and moisture gradients as determinants of plant diversity in riparian ecosystems. Invited lecture presented to the Oklahoma State University Department of Biology, Norman, OK.

1989 The consequences of human impacts on disturbance regimes. Invited lecture presented to the Harvard School of Architecture, Cambridge, MA.

1987 The Natural History of Northern Arizona -- an undergraduate level course taught in the Northern Arizona University Department of Biological Sciences.

1986 Behrensmeyer, A.K., R.L. Cifelli, L.E. Stevens, and W.R. Downs. Overview of Quaternary deposits in the Grand Canyon. Abstract, Rocky Mountain Section of the Geological Society of America. Meetings, 2 May, 1986.

1986 Rosholt, J.N., W.R. Downs, P.A. O'Malley, and L.E. Stevens. Uranium-trend ages of surficial deposits in the central Grand Canyon National Park , Arizona. Abstract, Rocky Mtn. Sect., Geol. Soc. Amer. Meetings, 2 May, 1986.

PROFESSIONAL AFFILIATIONS

American Association for the Advancement of Science
Arizona Nevada Academy of Sciences
Arizona Riparian Council
The Ecological Society of America
Glen Canyon Dam Adaptive Management Work Group – Technical Work Group member for GCWC
Grand Canyon River Guides Association
Grand Canyon Wildlands Council, President of the Board , Science Advisor
Western North American Naturalist, Associate Editor
The Grand Canyon Wildlands Council, Science Advisor
Museum of Northern Arizona, Board of Trustees and Research Associate
Northern Arizona University: Adjunct Faculty Member in Biology
Certified SCUBA diver (PADI)
Prescott College: Adjunct Faculty Member
Southwestern Association of Naturalists
The Sierra Club
The Nature Conservancy