

JOHN L. HARRIS  
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SCOTT, ARKANSAS 72142  
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EDUCATION:

August 1986

**University of Tennessee  
Knoxville, Tennessee**

***Ph.D. Zoology.*** Dissertation: Systematics, Distribution, and Biology of Fishes Currently Allocated to *Erimystax* (Jordan), a Subgenus of *Hybopsis* (Cyprinidae).

August 1977

**Northeast Louisiana University  
Monroe, Louisiana**

***M. S. Biology.*** Thesis: Fishes of the Mountain Province Section of the Ouachita River from the Headwaters to Remmel Dam.

May 1975

**Southern Arkansas University  
Magnolia, Arkansas  
*B. S. Biology. Minor: Chemistry***

EMPLOYMENT:

September 1990 to  
present

**Arkansas State University  
Department of Biological Sciences  
State University, Arkansas**

***Adjunct Assistant Professor of Biology.*** Curator of Mollusks, ASU Museum of Zoology; prepare grant proposals, direct graduate students in their thesis and dissertation research projects, primarily regarding freshwater mussel taxonomy, systematics, distribution, conservation status, and ecology.

October 1980 to  
February 2011  
(retired)

**Arkansas Highway and Transportation Department  
Environmental Division  
Little Rock, Arkansas**

***Assistant Division Head.*** Environmental research director and principal investigator for water quality monitoring, construction impact assessment, and wetland ecosystem analysis. Thirty years experience in National Environmental Policy Act (NEPA) assessment and documentation including Environmental Impact Statement preparation.

September 1977 to  
October 1980

**University of Tennessee  
Department of Zoology  
Knoxville, Tennessee**

***Graduate Teaching Assistant.*** Taught General Biology, General Biology Lab, Ichthyology Lab, and Ecology Lab.

September 1975 to  
May 1977

**Northeast Louisiana University  
Department of Biology  
Monroe, Louisiana**

***Graduate Teaching Assistant.*** Taught General Botany Lab, General Zoology Lab, and Ornithology Field Lab.

#### PROFESSIONAL HONORS AND AWARDS

- 2007 Freshwater Mollusk Conservation Society. William J. Clench Memorial Award for “singular accomplishments and long-term contributions that have advanced the natural history and understanding of freshwater mollusks”.
- 2002 American Fisheries Society, Arkansas Chapter. Joe Hogan Award for “individual achievement for enduring contributions to professional aquatic resource conservation”.
- 2000 U.S. Fish and Wildlife Service, Arkansas Field Office. Award of Appreciation “in recognition of continued support and outstanding dedication to Arkansas’ natural resources”.

#### GRANTS FUNDED

- 2015 Arkansas Game Fish Commission (\$77,147). Mussel Survey of Cadron Creek, Point Remove Creek and Big Piney Creek and Major Tributaries with Population Assessments for Two Species of Concern. Principal Investigator (PI) J. L. Boldin with B. L. Fluker and J. L. Harris.
- 2013 Arkansas Game Fish Commission (\$47,467). Status Survey of the Ouachita Rock Pocketbook, Scaleshell, and Rabbitsfoot mussels in the Little River Basin, Arkansas. Principal Investigator (PI) J. L. Boldin with J. L. Harris.
- 2013 Arkansas Game Fish Commission (\$14,981). Status Assessment Survey for Scaleshell Mussel (*Leptodea leptodon*) (Rafinesque) in AR. PI J. L. Boldin with J. L. Harris.
- 2009 U. S. Fish and Wildlife Service. (\$29,495). Rangewide Morphometric and Meristic Comparison of *Potamilus capax* (Green 1832) Shell Shape and Soft Anatomy. PI J. L. Bouldin with J. L. Harris.
- 2009 Ozark-St. Francis National Forest. Challenge Cost-Share Agreement. (\$25,000 plus \$25,000 ASU Match). Mussel surveys of Richland and Falling Water Creeks and the Mulberry River within the Ozark National Forest. PI J. L. Bouldin with J. L. Harris.
- 2007 Arkansas Game Fish Commission. State Wildlife Grants (\$28,060). Life history research on the special concern southern hickorynut, *Obovaria jacksoniana* (Frierson 1912). PIs A.D. Christian with J.L. Harris, J.L. Farris and W.R. Posey.
- 2007 Arkansas Game Fish Commission. Section 6 Funding (\$25,795). Phylogenetic analysis on the special concern Southern Hickorynut, *Obovaria jacksoniana* (Frierson 1912), its close congeners, and *Villosa arkansasensis*. PIs Alan D. Christian with John L. Harris.
- 2005 Arkansas Game Fish Commission. State Wildlife Grants (\$60,055.00). Resolution of Arkansas Species and Distributions of Freshwater Mussel Genus *Lampsilis* (Bivalvia: Unionoida). PI Alan D. Christian, J.L. Harris, and W. R. Hoeh.

- 2005 Arkansas Game and Fish Commission (\$22,714.05) Preliminary Analysis for Identification, Distribution, and Conservation Status of Species of *Pleurobema* and *Fusconaia* in Arkansas. PI Alan D. Christian with Jeanne Serb, and John L. Harris.
- 2003 Arkansas Game and Fish Commission (\$13,398). Status Survey for the Pink Mucket (*Lampsilis abrupta* (Say, 1831)), Winged Mapleleaf (*Quadrula fragosa* (Conrad, 1835)) and Ouachita Rock Pocketbook (*Arkansia wheeleri* Ortmann and Walker, 1912) in the Little Missouri River, Arkansas. PI Alan D. Christian and John L. Harris.
- 2002 U.S.D.A. Forest Service, Ouachita National Forest: Cost-Sharing Challenge Program (\$10,000 plus \$10,000 ASU Match). A proposal for life history and population biology research on the threatened Arkansas fatmucket (*Lampsilis powellii*) and the special concern Ouachita Creekshell (*Villosa arkansasensis*). PI Alan D. Christian with Jerry L. Farris and John L. Harris.
- 2001 Arkansas Game and Fish Commission (\$58,935). Species limits and phylogeography of Lampsilinae (Bivalvia: Unionidae) in Arkansas with emphasis on species of *Lampsilis*. PI Jerry L. Farris with John L. Harris, Alan D. Christian, Walter R. Hoeh, Ronald L. Johnson, and Mark Gordon.
- 1993 Arkansas Game and Fish Commission. (\$64,000). Big river mussel surveys in Arkansas (Part II). PIs G. W. Harp and J. L. Harris.
- 1990 Arkansas Game and Fish Commission. (\$125,000). Big river mussel surveys in Arkansas (Part I). PIs G. W. Harp and J. L. Harris.

PUBLICATIONS (PEER REVIEWED):

- Christian, A. D. S. E. McMurray, S. T. McCanty, T. Dimino, and J. L. Harris. 2021. Freshwater mussel assemblages in the Black River, Missouri and Arkansas. *Freshwater Mollusk Biology and Conservation* 24(1):1-6.
- Christian, A. D., S. T. McCanty, S. Poudel, S. W. A. Chordas, and J. L. Harris. 2021. Inventory and assemblage classification of the freshwater mussels (Mollusca: Unionidae) of the Strawberry River, Arkansas, USA with implications for conservation planning. *Diversity* 2021, 13, 86. <https://doi.org/10.3390/d13020086>.
- Christian, A. D., A. J. Peck, R. Allen, R. Lawson, W. Edwards, G. Marable, S. Seagraves, and J. L. Harris. 2020. Freshwater mussel bed habitat in an alluvial sand-bed-material-dominated large river: A core flow sediment refugium? *Diversity* 2020, 12, 174 <http://dx.doi.org/10.3390/d12050174>.
- Inoue, K., J. L. Harris, C. R. Robertson, N. A. Johnson, and C. R. Randklev. 2019. A comprehensive approach uncovers hidden diversity in freshwater mussels (Bivalvia: Unionidae) with the description of a novel species. *Cladistics* (2019) 1-26.

- E. E. Chase, B. M. Robicheau, W. R. Hoeh, J. L. Harris, D. T. Stewart, and S. Breton. 2018. The complete male-type mitochondrial genomes of the Fatmucket, *Lampsilis siliquoidea*, and the endangered Arkansas Fatmucket, *Lampsilis powellii*. MITOCHONDRIAL DNA PART B 2018, VOL. 4, NO. 1, 107–109. <https://doi.org/10.1080/23802359.2018.1536459>
- Robicheau B. M., E. E. Chase, W. R. Hoeh, J. L. Harris, D. T. Stewart, and S. Breton. 2018. Evaluating the utility of the female-specific mitochondrial f-orf gene for population genetic, phylogeographic and systematic studies in freshwater mussels (Bivalvia: Unionida). PeerJ 6:e5007; DOI 10.7717/peerj.5007.
- Pieri, A.M., K. Inoue, N. A. Johnson, C. Smith, J. L. Harris, C. Robertson, C. R. Randklev. 2018. Molecular and morphometric analyses reveal cryptic diversity within freshwater mussels (Bivalvia: Unionidae) of the western Gulf coastal drainages of the USA Biological Journal of the Linnean Society 10.1093/biolinnean/bly046/4992918.
- Inoue, Kentaro, D. M. Hayes, J. L. Harris, N. A. Johnson, C. L. Morrison, M. S. Eackles, T. L. King, J. W. Jones, E. M. Hallerman, A. D. Christian, C. R. Randklev. 2018. The Pleurobemini (Bivalvia: Unionida) revisited: molecular species delineation using a mitochondrial DNA gene reveals multiple conspecifics and undescribed species. Invertebrate Systematics. Invertebrate Systematics 32, 689–702.
- Williams, J. D., A. E. Bogan, R. S. Butler, K. S. Cummings, J. T. Garner, J. L. Harris, N. A. Johnson, and G. T. Watters. 2017. A revised list of the freshwater mussels (Mollusca: Bivalvia: Unionida) of the United States and Canada. Freshwater Mollusk Biology and Conservation 20:33–58.
- Chong, J. P., Harris, J. L. and Roe, K. J. 2016. Incongruence between mtDNA and nuclear data in the freshwater mussel genus *Cyprogenia* (Bivalvia: Unionidae) and its impact on species delineation. Ecol Evol. doi:10.1002/ece3.2071.
- Peck, A. J., J. L. Harris, J. L. Farris and A. D. Christian. 2014. Survival and horizontal movement of the freshwater mussel *Potamilus capax* (Green, 1832) following relocation within a Mississippi Delta stream system. American Midland Naturalist 172:76-90.
- Inoue, K., McQueen, A.L., Harris, J.L., and Berg, D.J. 2014. Molecular phylogenetics and morphological variation reveal recent speciation in freshwater mussels of the genera *Arcidens* and *Arkansia* (Bivalvia: Unionidae). Biological Journal of the Linnaean Society 112:535–545.
- Inoue, K., D. M. Hayes, J. L. Harris, and A. D. Christian. 2013. Phylogenetic and morphometric analyses reveal ecophenotypic plasticity in freshwater mussels *Obovaria jacksoniana* and *Villosa arkansasensis* (Bivalvia: Unionidae). Ecology and Evolution. 3(8):2670–2683.
- Randklev, C.R., M.S. Johnson, E.T. Tsakiris, S. Rogers-Oetker, K.J. Roe, J.L. Harris, S.E. McMurray, C. Robertson, J. Groce, and N. Wilkins. 2012. False spike, *Quadrula mitchelli* (Bivalvia: Unionidae), is not extinct: First account of a live population in over 30 years. American Malacological Bulletin 30:327-328.

- Peck, A., M. Wine, C. Liller, R. Looney, and J. Harris. 2010. Use of habitat credit trading as a mitigation tool for transportation projects: a Federal Highway Administration pilot project in Arkansas. *In Proceedings of the 2009 International Conference on Ecology and Transportation*, edited by Paul J. Wagner, Debra Nelson, and Eugene Murray. Raleigh, NC: Center for Transportation and the Environment, North Carolina State University. Pages 207-220.
- Wentz, N. J., J. L. Harris, J. L. Farris, and A. D. Christian. 2010. Mussel inventory and population status of the federally endangered *Potamilus capax* (Green 1832) in the Tyronza River, Arkansas. *Journal of the Arkansas Academy of Science* 63(2009):169-176.
- Matthews, M. W., F. Usrey, S. W. Hodges, J. L. Harris, and A. D. Christian. 2010. Species richness, distribution, and relative abundance of freshwater mussels (Bivalvia: Unionidae) of the Buffalo National River, Arkansas. *Journal of the Arkansas Academy of Science* 63:113-130.
- Martin, H. C., J. L. Harris, and A. D. Christian. 2010. A qualitative freshwater mussel survey of the South Fork Spring River, Missouri and Arkansas. *Journal of the Arkansas Academy of Science* 63:106-112.
- Harris, J. L., W. R. Posey II, C. L. Davidson, J. L. Farris, S. Rogers Oetker, J. N. Stoeckel, B. G. Crump, M. Scott Barnett, H. C. Martin, M. W. Matthews, J. H. Seagraves, N. J. Wentz, R. Winterringer, C. Osborne, and A. D. Christian. 2010. Unionoida (Mollusca: Margaritiferidae, Unionidae) in Arkansas, third status review. *Journal of the Arkansas Academy of Science* 63 (2009):50-86.
- Christian, A. D. and J. L. Harris. 2008. An introduction to directions in freshwater mollusk conservation: molecules to ecosystems. *J. N. Am. Benthol. Soc.* 27(2): 345-348.
- Walker, J. M., A. E. Bogan, E. A. Bonfiglio, D. C. Campbell, A. D. Christian, J. P. Curole, J. L. Harris, R. J. Wojtecki, and W. R. Hoeh. 2007. Primers for amplifying the hypervariable, male-transmitted COII-COI junction region in amblesine freshwater mussels (Bivalvia: Unionoidea: Ambleminae). *Molecular Ecology Notes* (2007) 7:489-491.
- Peck, A.J., J.L. Harris, J.L. Farris, and A.D. Christian. 2007. Assessment of freshwater mussel relocation as a conservation strategy. *Proceedings of the 2007 International Conference of Ecology and Transportation*, Raleigh, North Carolina. Pages 115-124.
- Christian, A. D., J. L. Harris, W. R. Posey, J. F. Hockmuth, and G. L. Harp. 2005. Freshwater mussel (Bivalvia: Unionidae) assemblages of the lower Cache River, AR. *Southeastern Nat.* 4(3):487-512.
- Christian, A. D. and J. L. Harris. 2005. Development and assessment of a sampling design for freshwater mussel assemblages in large streams. *Am. Midl. Nat.* 153:284-292.
- Christian, A. D., C. L. Davidson, W. R. Posey II, P. J. Rust, J. L. Farris, J. L. Harris, and G. L. Harp. 2000. Growth curves of four species of commercially valuable freshwater mussels (Bivalvia: Unionidae) in Arkansas. *J. AR Acad. Sci.* 54:41-50.
- Turner, T. F., J. C. Trexler, J. L. Harris, and J. L. Haynes. 2000. Nested cladistic analysis indicates population fragmentation shapes genetic diversity in a freshwater mussel. *Genetics* 154:777-785.

- Harris, J. L. 1999. Diversity of mussels *in* Ozark-Ouachita Highlands Assessment: aquatic conditions. Report 3 of 5. Gen. Tech. Rep. SRS-33. Asheville, NC: U. S. Department of Agriculture, Forest Service, Southern Research Station. 317 p.
- Davidson, C. L., G. L. Harp, and J. L. Harris. 1997. A survey of Mollusca (Bivalvia: Unionacea) inhabiting Myatt Creek, Fulton County, Arkansas. J. Arkansas Acad. Sci. Vol. 51:193-196.
- Harris, J. L., P. J. Rust, A. D. Christian, W. R. Posey II, C. L. Davidson, and G. L. Harp. 1997. Revised status of rare and endangered Unionacea (Mollusca: Margaritiferidae, Unionidae) in Arkansas. J. Arkansas Acad. Sci. Vol. 51:66-89.
- Posey, W. R. II, J. L. Harris, and G. L. Harp. 1996. New distributional records for freshwater mussels in the Ouachita River, Arkansas. Proc. Arkansas Acad. Sci. Vol. 50:96-98.
- Harris, J. L., P. Rust, S. W. Chordas, III, and G. L. Harp. 1993. Distribution and population structure of freshwater mussels (Unionidae) in Lake Chicot, Arkansas. Proc. AR Acad. Sci. 47:38-43.
- Williams, J. D., M. L. Warren, Jr., K. S. Cummings, J. L. Harris, and R. J. Neves. 1993. Conservation status of freshwater mussels of the United States and Canada. Fisheries 18(9):6 - 22.
- Harris, J. L. and M. E. Gordon. 1990. Arkansas Mussels. Arkansas Game and Fish Commission, Little Rock. 32 p.
- Harris, J. L. and M. E. Gordon. 1987. Distribution and status of rare and endangered mussels (Mollusca: Margaritiferidae, Unionidae) in Arkansas. Proceedings Arkansas Academy of Science 41(1987):49-56.
- Miller, A. C. and J. L. Harris. 1987. A survey for mollusca in the White River near Newport, Arkansas, 1986. Misc. Paper EL- 87-5, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS. 25 p.
- Gordon, M. E. and J. L. Harris. 1985. Distribution of *Lampsilis powelli* (Lea) (Bivalvia: Unionacea). Nautilus 99(4):142-144.
- Harris, J. L. and K. L. Smith. 1985. Distribution and status of *Etheostoma cragini* Gilbert and *E. microperca* Jordan and Gilbert in Arkansas. Proceedings Arkansas Academy of Science XXXIX:135-136.
- Harris, J. L., F. L. Burnside, B. L. Richardson, and W. K. Welch. 1984. Methods for analysis of highway construction impacts on a wetland ecosystem -- a multidisciplinary approach. Transportation Research Record 969:8-17.
- Harris, J. L. 1980. *Hybopsis dissimilis* (Kirtland), Streamline chub. Page 184 *in* D. S. Lee, et al Atlas of North American Freshwater Fishes. North Carolina State Museum Natural History, Raleigh. 854 p.
- Harris, J. L. 1980. *Hybopsis insignis* Hubbs and Crowe, Blotched Chub. Page 188 *in* D. S. Lee, et al Atlas of North American Freshwater Fishes. North Carolina State Museum Natural History, Raleigh. 854 p.
- Harris, J. L. and N. H. Douglas. 1978. Fishes of the mountain province section of the Ouachita River. Proceedings Arkansas Academy of Science XXXII:55-59.

Robison, H. W. and J. L. Harris. 1978. Notes on the habitat and zoogeography of *Noturus taylori* (Pisces: Ictaluridae). *Copeia* 1978(3):548-550.

Douglas, N. H. and J. L. Harris. 1977. Occurrence of the chub genus *Nocomis* (Cyprinidae) in the Ouachita River drainage, west-central Arkansas. *Association Southeastern Biologists Bull.* 24(2): 47.

PEER REVIEWED APPLICATION [APP]:

Oetker, S., A.E. Bogan, J. Harris, N. Johnson, C. Randklev, C. Robertson, J. Sundin, W. Martin and S.L. Martin. 2019. North American Freshwater Mussel Identification Application. Retrieved from: <https://play.google.com/store/apps/details?id=org.ScienceApps.MusselID> [14 July 2019]. ios version October 2019.

PUBLICATIONS (NOT PEER REVIEWED):

Harris, J. L. 2012. Interior Highlands and Mississippi Embayment. Pages 13-41 *in* Freshwater mussel identification and sampling workshop: Freshwater mussels of the central United States. 60th Annual Meeting of the Society for Freshwater Science, 20-24 May 2012, Louisville, KY. 104 p.

Charles R. Randklev, Matthew S. Johnson, Eric T. Tsakiris, Susan Rogers Oetker, Kevin J. Roe, John L. Harris, Stephen McMurray, Clint Robertson, Julie Groce and Neal Wilkins. 2011. First account of a living population of False Spike, *Quadrula mitchelli* (Bivalvia: Unionidae), in the Guadalupe River, Texas. *Ellipsaria* 13 (4):17-19.

Harris, J. L. 2010. Regional Fauna Identification and Sampling (Show-me your umbones): Interior Highlands and Mississippi Embayment. Freshwater Mollusk Conservation Society Workshop, October 19-21, 2010, Kirkwood, MO. Workbook pages 107-131.

UNPUBLISHED REPORTS:

Fluker, B. L., A. M. Pieri, I. Sanchez-Gonzalez, and J. L. Harris. 2022. Status and Distribution of *Obovaria sp. cf arkansasensis* ("White" Hickorynut) in Arkansas. Department of Biological Sciences, Arkansas State University, Jonesboro, AR. Final Report. 26 pp. + Appendices A-E.

Harris, J. L. 2022. Freshwater mussel survey and comparison of two Black River alternative crossings for ARDOT Job 100512 Walnut Ridge - Missouri state line (Future I-57) in Clay and Randolph counties, Arkansas. Final report prepared for Mitigation Surveying Services, LLC, Benton, AR. 14 pp. + Appendices A and B.

Harris, J. L. 2022. Assessment of Frog Bayou mussel resources in the vicinity of the proposed I-49 extension, Crawford and Sebastian counties, Arkansas. Final report prepared for Cattails Environmental, LLC, Bentonville. 8 pp. + Appendix A.

- Bouldin, J. L., B. L. Fluker, H. K. Canada, I. Sanchez-Gonzalez, A. M. Pieri, and J. L. Harris 2020. Mussel Survey of Cadron Creek, Point Remove Creek and Big Piney Creek and Major Tributaries with Population Assessments for Two Species of Concern. Department of Biological Sciences, Arkansas State University, Jonesboro, AR. Final Report. 47 pp. + Appendices A-H.
- Harris, J. L. 2019. Freshwater mussel survey of major tributaries in White River National Wildlife Refuge. Final report prepared for U.S. FWS Dale Bumpers White River NWR. 45 pp. + Appendices A – D.
- Harris, J. L. 2018. Survey for Mussels at the Siloam Springs Kayak Park on the Illinois River, Benton County, Arkansas. Welch/Harris, Inc. Scott, AR. Final report prepared for the City of Siloam Springs, AR. 13 pp.
- Harris, J. L. 2017. Freshwater mussel survey of Overflow, Upper Ouachita, D'Arbonne, and Tensas River National Wildlife refuges. Final report prepared for U.S. FWS North Louisiana Refuges Complex, Farmerville, LA. 47 pp. + Appendices A – D.
- Harris, J. L. 2017. Sun Bio Products project, Ouachita River mussel survey, Clark County, Arkansas. Welch/Harris, Inc., Scott, AR. Final report prepared for Sun Bio Material (U.S.) Company. Yanzhou District, Jining, Shandong Province, PRC. 15 pp. + Appendix A.
- Harris, J. L. 2016. Survey for mussels at the Benton Washington Regional Public Water Authority pipeline crossing of the Illinois River near Chambers Spring Road, Benton County, Arkansas. Welch/Harris, Inc. Scott, AR. Final report prepared for Crist Engineers, Little Rock, AR. 12 pp.
- Harris, J. L. 2016. Mussel survey in the Strawberry River at the proposed Smith Boat Ramp, Lawrence County, Arkansas. Welch/Harris, Inc., Scott, AR. Final report prepared for D. Smith, Smithville, AR. 13 pp.
- Bouldin, J., J.K. Whalen, J.L. Harris. 2015. Mussel communities in the Ozark National Forest. Department of Biological Sciences, Arkansas State University, Jonesboro, AR. Final report prepared for Ozark - St. Francis National Forest. 25 pp. + Appendices A-C.
- Harris, J. L. and W. R. Posey, II. 2015. Revised conservation status assessment for Arkansas freshwater mussels. Welch/Harris, Inc., Scott, AR and Arkansas Game and Fish Commission, Perryville, AR. Final report to Arkansas Natural Heritage Commission, Little Rock, AR. 16 pp.
- Harris, J. L. 2015. Mussel survey in Big Creek at Warren Mountain Road near Wilburn, Cleburne County, Arkansas. Final report to Harbor Environmental and Safety, Little Rock, AR. 17 pp.
- Harris, J. L. 2015. Mussel Survey in the Current River at the Proposed Williams Boat Ramp, Randolph County, Arkansas. Welch/Harris, Inc., Scott, AR. Final report prepared for C. Williams, Poplar Bluff, MO. 12 pp.
- Harris, J. L. 2014. Mussel survey in the Black River at the proposed Peco Foods, Inc. Processing Plant Sewer Outfall Alternative Site Location, Randolph County, Arkansas.



- Welch/Harris, Inc., Scott, AR. Final report prepared for FTN Associates Ltd., Little Rock, AR. 15 pp. + Appendices 1-2.
- Harris, J. L. 2014. Mussel survey in the Strawberry River at the proposed Huskey Boat Ramp, Lawrence County, Arkansas. Welch/Harris, Inc., Scott, AR. Final report prepared for Huskey Land Leveling Services, Imboden, AR. 11 pp.
- Harris, J. L. 2014. Mussel survey in the Black River at the proposed Peco Foods, Inc. Processing Plant Sewer Outfall, Randolph County, Arkansas. Final report prepared for FTN Associates Ltd., Little Rock, AR. 14 p. + Appendices 1-2.
- Harris, J. L. 2013. Survey of the freshwater mussel fauna at the proposed Illinois River Mitigation Bank Site near Savoy, Washington County, Arkansas. Welch/Harris, Inc., Scott, AR. Final report prepared for Streamworks Mitigation Services, Little Rock, AR. 9 pp.
- Bouldin, J., W. R. Posey, II, and J. L. Harris. 2013. Status Survey of Ouachita Rock Pocketbook, *Arkansia wheeleri* Ortmann and Walker 1912, Scaleshell, *Leptodea leptodon* (Rafinesque 1820), and Rabbitsfoot, *Quadrula c. cylindrica* (Say 1817), in the Little River Basin, Arkansas. Department of Biological Sciences, Arkansas State University, Jonesboro, AR. Final report prepared for Arkansas Game & Fish Commission, Fisheries Division, Perrytown, AR. 30 pp.
- Bouldin, J., W. R. Posey, II, and J. L. Harris. 2013. Status assessment survey for *Leptodea leptodon* (Rafinesque 1820), the scaleshell, in Arkansas. Department of Biological Sciences, Arkansas State University, Jonesboro, AR. Final report prepared for Arkansas Game & Fish Commission, Fisheries Division, Perrytown, AR. 24 pp.
- Harris, J. L. 2013. Survey of the Freshwater Mussel Fauna of Big Creek and Adjacent Section of the Buffalo National River. Welch/Harris, Inc., Scott, AR. Final report prepared for National Park Service, Buffalo National River, Harrison, AR. 15 pp.
- Harris, J. L. 2013. Survey for Mussels in the Vicinity of the Northeast Arkansas Public Water Authority Water Treatment Plant, Lawrence and Randolph Counties, Arkansas. Welch/Harris, Inc. Final Report prepared for Crist Engineers, Inc., Little Rock, AR. 9 pp.
- Harris, J. L. 2012. Survey for mussels at the County Road 2 crossing of the Illinois River, Benton County, Arkansas. Welch/Harris, Inc., Scott, AR. Final report prepared for Terracon, Environmental Services Group, Bryant, AR. 14 pp.
- Harris, J. L., D. M. Hayes, and J. L. Bouldin. 2011. Rangewide evaluation of shell variation in Fat Pocketbook (*Potamilus capax* Green) populations. Department of Biological Sciences, Arkansas State University, Jonesboro, AR. Final report prepared for U.S. Fish and Wildlife Service, Jackson, MS. 23 pp. + Appendices I-III.
- Harris, J. L. 2010. Mussel Survey of the White River for a Bank Stabilization Project at Augusta, Woodruff County, Arkansas. Welch/Harris, Inc., Little Rock, AR. Final report prepared for City of Augusta, AR. 6 pp.
- Harris, J. L. and CCR Environmental, Inc. 2010. Mussel survey of five miles of Ditch 81, Mississippi County, Arkansas. Prepared for Panamerican Consultants, Inc., Memphis, TN. 9 pp.

- Harris, J. L. and CCR Environmental, Inc. 2009. Mussel Survey of the White River at DeValls Bluff, Prairie County, Arkansas, for the Grand Prairie Area Demonstration Project. Final report prepared for the U. S. Army Corps of Engineers, Memphis, TN. 18 pp. + appendices.
- Harris, J. L. 2009. Survey for Mussels at the Saline River Intake Facility for the Benton Public Water Supply, Saline County, Arkansas. Welch/Harris, Inc., Little Rock, AR. Final report prepared for Benton Utilities, Benton, AR. 5 pp.
- Harris, J. L. 2009. Mussel Survey of the Lower Arkansas River in the Vicinity of Camp Bend and House Bend. Welch/Harris, Inc., Little Rock, AR. Final report prepared for G.E.C., Inc., Environmental Sciences and Engineering, Baton Rouge, LA. 4 pp.
- Harris, J. L. 2009. Mussel Survey of the White River and Stillhouse Branch for the Wastewater Treatment and Sewer Collection Facility Improvement Project at Batesville, Independence County, Arkansas. Welch/Harris, Inc., Little Rock, AR. Final report prepared for Environmental Consulting Operations, Inc., Benton, AR. 5 p.
- Harris, J. L. 2009. Quantitative mussel survey of Rivervale Outlet Ditch, St. Francis River basin, Poinsett County, Arkansas. CCR Environmental, Inc., Atlanta, GA and Welch/Harris, Inc., Little Rock, AR. Final report prepared for the U. S. Army Corps of Engineers, Memphis, TN. 11 p. + appendices.
- Harris, J. L. 2008. Survey for mussels at the proposed Salem Water Transmission Line crossings of the North Fork Saline River and the Alum Fork Saline River, Saline County, Arkansas. Welch/Harris, Inc., Little Rock, AR. Prepared for Michael Bolin & Associates, Benton, AR. 10 p. + appendix.
- Harris, J. L. 2008. Survey for mussels prior to bank stabilization in Little River downstream of Millwood Dam, Hempstead and Little River counties, Arkansas. Welch/Harris, Inc., Little Rock, AR. Final report to U.S. Army Corps of Engineers, Millwood Lake Project Office, Ashdown, AR. 6 p.
- Christian, A. D., J. L. Harris, J. S. Serb, D. L. Hayes, K. Inoue. 2008. Preliminary analysis for identification, distribution, and conservation status of species of *Pleurobema* and *Fusconaia* in Arkansas. Final Report prepared for Arkansas Game & Fish Commission, Fisheries Division, Non-game Species Office, Perrytown, AR. 40p.
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- Harris, John L., Anna M Pieri, Mickey W Matthews, Shawn W Hodges, Jennifer L Bouldin, and Alan D Christian. The history of mussel exploration in the Buffalo National River, AR. Joint Ozark-Prairie/Mid-South SETAC Meeting, May 10-11, 2022, Arkansas State University, Jonesboro, Arkansas.
- Pieri, Anna M**, John L Harris, Brook L Fluker, James L Kunz, Ashley R Rodman, Shawn W Hodges, Jeffery A Steevens & Jennifer L Bouldin. Evaluating the potential effect of nitrogen and toxicological responses of juvenile mussels in the Buffalo National River, AR. Joint Ozark-Prairie/Mid-South SETAC Meeting, May 10-11 2022, Arkansas State University, Jonesboro, Arkansas.
- Pieri, Anna M**, John L Harris, Brook L Fluker, James L Kunz, Ashley R Rodman, Shawn W Hodges, Jeffery A Steevens & Jennifer L Bouldin. Long term monitoring and toxicology of freshwater mussel assemblages (Bivalvia: Unionidae) in the Buffalo National River. 2<sup>nd</sup> Annual Buffalo National River Science Symposium, March 1, 2022.
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