

Jay Richard Stauffer, Jr.

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EDUCATION

Ph.D. Virginia Polytechnic Institute and State University, Department of Biology, 1975

B.S. Cornell University, Department of Fisheries Science, 1972

POSITIONS

Current:

2007-present *Distinguished Professor*, Department of Ecosystem Science and Management, Penn State University, University Park, PA (80% research, 20% teaching appointment)

Past:

1984-2006 *Professor* (1985-2006) and *Associate Professor* (1984-1985), Department of Ecosystem Science & Management (formerly School of Forest Resources), Penn State University, University Park, PA

1975-1984 *Associate Professor* (1980-1984) and *Assistant Professor* (1975-1980), Appalachian Environmental Laboratory, Center for Environmental and Estuarine Studies, University of Maryland, Frostburg, MD

1973-1975 *Graduate Research Assistant*, Virginia Polytechnic Institute and State University, Blacksburg, VA

1972-1973 *Undergraduate Research Assistant*, Cornell University, Ithaca, NY

1968-1972 *Biologist*, Ichthyological Associates, Lancaster, PA

Adjunct Positions:

University of Malaŵi, Chancellor College, Faculty of Science, Zomba, Malaŵi (current)

Lilongwe University of Agriculture and Natural Resources, College of Natural Resources, Lilongwe, Malaŵi (current)

Appalachian Environmental Laboratory, University of Maryland (past)

HONORS

Honorary Research Associate, South African Institute for Aquatic Biodiversity, 2015–present

Fulbright Research Scholar 1995-1996 to Malaŵi, Africa

Fulbright Research Scholar 1990-1991 to Malaŵi, Africa

Certified as Professional Fisheries Biologist by American Fisheries Society

Phi Sigma Award, for outstanding graduate research, 1974, Virginia Tech

Sigma Xi Research Award, for outstanding graduate student and promoting scholarly achievement, 1974, Virginia Tech

American Association for the Advancement of Science Fellow 2021

TEACHING

Course number & title	# credits	# years-taught
<i>Biol. 627 FSC/AEL</i> Advanced Ichthyology	3	8
<i>ERT 283 GCC</i> Fisheries Biology & Mgt.	3	4
<i>ERT 180 GCC</i> Population Ecology & Mgt.	3	7
<i>Biol. 693 FSC/AEL</i> Fish Embryology	3	1
<i>Biol. 692 FSC/AEL</i> Evolution & Systematics	3	1
<i>Biol. 693 FSC/AEL</i> Crayfish Behavior	3	1
<i>Biol. 626 FSC/AEL</i> Fish Biology and Behavior	3	2
WFS 452 & WFS 453 Ichthyology	4	37
WFS 552 Systematics and Evolution of Fishes	3	16
WFS 422 Ecology of Fishes	3	18
Ent/Bio/WFS 542 Systematics	3	16
WFS 300 & 301 The Vertebrates	4	6
WFS 460 Wildlife Behavior	3	2
WFS 435 Limnology	3	7
WFS 596 Science as a Process	2	1

SERVICE (selected)

Current Service at Penn State:

- (department) Chair, Promotion & Tenure Committee, Department of Ecosystem Science & Management
- (college) Member, Committee on Distinguished Professors, College of Agricultural Sciences
- (university) Chair, Dive Control Board, Penn State University

Current Advisory Commissions:

- Member, Pennsylvania Advisory Commission on Rare and Endangered Fishes.
- Member, West Virginia Advisory Commission on Rare and Endangered Fishes.
- Potomac River Basin Commission.

Past Service at Penn State:

- Associate Director of Graduate Studies, School of Forest Resources (2009-2014)
- Search Committee, Aquatic Ecologist Position, Department of Ecosystem Science & Management (2021)
- Search Committee, Dean Position, College of Agricultural Sciences (2013-2014)
- Chair of Search Committee (twice), Director of School of Forest Resources (now Department

of Ecosystem Science and Management)

Professional Society Affiliations:

- American Fisheries Society
- American Association of the Advancement of Science
- American Institute of Biological Sciences
- American Institute of Fishery Research Biologists (selected by achievement)
- American Society of Ichthyologists and Herpetologists
- American Society of Naturalists
- Association of Southeastern Biologists
- Pennsylvania Academy of Sciences
- Potomac River Basin Commission
- Sigma Xi
- Society of Systematic Zoologists

Referee for Journal Articles and Proposals:

American Midland Naturalist, American Naturalist, American Society for Testing and Materials, Biology Letters, BioScience, Canadian Journal of Zoology, Chesapeake Science, Copeia, Ecology, Ecology of Freshwater Fishes, Fisheries, Hydrobiologia, Ichthyological Explorations of Freshwaters, National Science Foundation, National Institute of Food and Agriculture, Northeastern Naturalist, Pennsylvania Academy of Science, PlosOne, Transactions of American Fisheries Society, Virginia Journal of Science, Water Resources Bulletin, Zootaxa

Session Chair:

- Chair, Program Committee for American Society of Ichthyologists and Herpetologists Annual Meeting at Penn State, June 2001.
- Chair, Program Committee for American Society of Ichthyologists and Herpetologists Annual Meeting at Penn State, June 1999.
- Chair, Special Session of 1980 National Meeting of American Fish. Soc.: Biomonitoring of Fish. Louisville, KY.
- Chair, Symposium on Surface Mining and Fish/Wildlife Needs in Eastern United States. Sponsored by U.S. Fish & Wildlife Service and West Virginia Univ., Morgantown, WV 1979
- Chair, Aquatic Ecology Section of Association of Southeastern Biologists. 1980. Tampa, FL

PUBLICATIONS

- 300 publications: with 251 journal articles, 13 books & monographs, 27 book chapters & proceedings, 7 book reviews, and 2 published datasets.
- Research Gate Profile: <https://www.researchgate.net/profile/Jay-Stauffer>

Journal Articles (255):

1. Stauffer, J. R., Jr., K. L. Dickson, and J. Cairns, Jr. 1974. A field evaluation of the effects of heated discharges of fish distribution. *Water Res. Bull.* 10(5):860-876.
2. Hoehn, R., J. R. Stauffer, Jr., M. T. Masnik, and C. H. Hocutt. 1974. Relationships between sediment oil concentrations and the macroinvertebrates present in a small stream following an oil spill. *Environmental Letters* 7(4):345-352.
3. Hocutt, C. H. and J. R. Stauffer, Jr. 1975. The influence of gradient on longitudinal distribution of fishes in Conowingo Creek, Maryland and Pennsylvania. *Chesapeake Science* 16(2):143-146.
4. Stauffer, J. R., Jr., K. L. Dickson, J. Cairns, Jr., W. F. Calhoun, M.T. Masnik, and R. H. Myers. 1975. Summer distribution of fish species in the vicinity of a thermal discharge - New River, Virginia. *Archiv. fur Hydrobiologia* 76(3):287-301.
5. Stauffer, J. R., Jr., C. H. Hocutt, M. T. Masnik, and J. Reed. 1975. The longitudinal distribution of fishes in the East River, West Virginia and Virginia. *Va. J. Sci.* 26(3):121-125.
6. Stauffer, J. R., Jr., K. L. Dickson, A. G. Heath, and G. W. Lane. 1975. Rate of body temperature change of bluegill sunfish (*Lepomis macrochirus*, Rafinesque) when subjected to thermal shock. *Prog. Fish.-Cult.* 37(2):90-92.
7. Denoncourt, R. F., C. H. Hocutt, and J. R. Stauffer, Jr. 1975. Additions to the ichthyofauna of the Susquehanna River Drainage above Conowingo Dam. *Proceedings of the Academy of Natural Sciences of Philadelphia* 127(9):67-69.
8. Denoncourt, R. F., C. H. Hocutt, E. C. Raney, and J. R. Stauffer, Jr. 1975. A checklist of the fishes of West Virginia. *Virginia Journal Science* 26(3):117-120.
9. Denoncourt, R. F., C. H. Hocutt, and J. R. Stauffer, Jr. 1975. Extensions of the known ranges of *Ericymba buccata* Cope and *Etheostoma zonale* (Cope) in the Susquehanna River drainage. *Proc. Pa. Acad. Sciences* 49:45-56.
10. Hocutt, C. H., K. L. Dickson, M. T. Masnik, and J. R. Stauffer, Jr. 1976. Observations of an ash lagoon spill on the New River, Virginia. *Hydrobiologia* 48(3):241-245.
11. Denoncourt, R. F. and J. R. Stauffer, Jr. 1976. A taxonomic study of recently introduced populations of the banded darter, *Etheostoma zonale* (Cope), in the Susquehanna River. *Chesapeake Science* 17(4):303-304.
12. Denoncourt, R. F., T. W. Robbins, and J. R. Stauffer, Jr. 1976. A description of xanthic tessellated darters, *Etheostoma olmstedi* Storer (Teleostei, Percidae). *Copeia* 1976(4):813-815.
13. Stauffer, J. R., Jr., J. H. Wilson, and K. L. Dickson. 1976. Comparison of stomach contents and condition of two catfish species living at ambient temperatures and in a heated discharge. *Prog. Fish. Cult.* 38(1):33-35.
14. Masnik, M. T., J. R. Stauffer, Jr., C. H. Hocutt, and J. H. Wilson. 1976. The effects of an oil spill on the macroinvertebrates and fish in a small southwestern Virginia Creek. *J. Environ. Sci. Health A* 11(4 & 5):281-296.
15. Cincotta, D. A., R. F. Denoncourt, and J. R. Stauffer, Jr. 1976. A study of macroinvertebrates and fishes above and below two sewage treatment plants in the Codorus Creek drainage, York County, Pennsylvania. *Proc. Pa. Acad. Sci.* 50:59-65.

16. Hocutt, C. H. and J. R. Stauffer, Jr. 1976. Barbel anomaly in *Noturus flavus* Rafinesque. Proc. Pa. Acad. Sci. 50:117-118.
17. Stauffer, J. R., Jr., J. Cairns, Jr., D. S. Cherry, R. F. Denoncourt, and K. L. Dickson. 1974-1976. The influence of temperature on the fish community structure of the New River, Glen Lyn, Virginia. Revista de Biologia 10(1-4):21-48.
18. Stauffer, J. R., Jr., H. A. Beiles, J. W. Cox, K. L. Dickson, and D. E. Simonet. 1974-1976. Colonization of macrobenthic communities on artificial substrates. Revista de Biologia 10(1-4):49-61.
19. Stauffer, J. R., Jr., C. H. Hocutt, and R. F. Denoncourt. 1977. An intergeneric cyprinid hybrid, *Nocomis platyrhynchus* X *Notropis chrysocephalus*, from the Greenbrier River drainage in West Virginia. Copeia 1977(1):172-173.
20. Denoncourt, R. F., C. H. Hocutt, and J. R. Stauffer, Jr. 1977. Notes on the habitat, description, and distribution of the sharpnose darter, *Percina oxyrhyncha*. Copeia 1977(1):168-171.
21. Denoncourt, R. F., W. A. Potter, and J. R. Stauffer, Jr. 1977. Records of the greenside darter, *Etheostoma blennioides*, from the Susquehanna River Drainage in Pennsylvania. Ohio J. Sci. 77(1):38-42.
22. Cherry, D. S., K. L. Dickson, J. Cairns, Jr., and J. R. Stauffer, Jr. 1977. Preferred, avoided, and lethal temperatures of fish during rising temperature conditions. J. Fish. Res. Bd. Canada 34(2):239-246.
23. Masnik, M. T., J. R. Stauffer, Jr., and C. H. Hocutt. 1978. A comparison of fish collection methods after rotenone application in New River, Virginia. Virginia J. Sci. 29(1):5-9.
24. Hocutt, C. H., R. F. Denoncourt, and J. R. Stauffer, Jr. 1978. Fishes of the Greenbrier River, West Virginia, with drainage history of the central Appalachians. J. Biogeogr. 5(1):59-80.
25. Stauffer, J. R., Jr., C. H. Hocutt, and R. F. Denoncourt. 1979. Status and distribution of the hybrid *Nocomis micropogon* X *Rhinichthys cataractae*, with a discussion of hybridization as a viable mode of speciation. Amer. Midl. Nat. 101(2):355-365.
26. Mills, P. A., C. H. Hocutt, and J. R. Stauffer, Jr. 1978. The pre-impoundment fish fauna of Big River (Meramec Drainage). Trans. Mo. Acad. Sci. 12:25-35.
27. Hocutt, C. H., R. F. Denoncourt, and J. R. Stauffer, Jr. 1979. Fishes of the Gauley River, West Virginia. Brimleyana 1:47-80.
28. Matthews, F. D., D. A. Cincotta, C. H. Hocutt, and J. R. Stauffer, Jr. 1978. Fishes and macroinvertebrates of Conococheague Creek, Pennsylvania and Maryland. Proc. Pa. Acad. Sciences 52:60-66.
29. Melisky, E. L., J. R. Stauffer, Jr., D. A. Cincotta, and C. H. Hocutt. 1979. Modifications of temperature avoidance troughs for testing small fishes. Prog. Fish. Cult. 42(1):44-45.
30. Hall, L. W., D. A. Cincotta, J. R. Stauffer, Jr., and C. H. Hocutt. 1978. Temperature preference of the crayfish, *Orconectes obscurus*. J. Exp. Toxic. 7:379-383.
31. Hall, L. W., C. H. Hocutt, and J. R. Stauffer, Jr. 1978. Temperature preference of the white perch, *Morone americana*, collected in the Wicomico River, Maryland. Estuaries 2(2):129-132.
32. Hall, L. W., C. H. Hocutt, and J. R. Stauffer, Jr. 1978. The effect of geographic location on the temperature preference of the white perch, *Morone americana*. J. Fish. Res. Bd. Can.

- 35(11):1464-1468.
33. Denoncourt, R. F., C. H. Hocutt, J. R. Stauffer, Jr., and R. Menendez. 1978. Xanthic creek chub *Semotilus atromaculatus*. Virginia Journal of Science 29(3):188-190.
 34. Guillory, V., C. H. Hocutt, and J. R. Stauffer, Jr. 1978. Endangered freshwater fishes of the Southeast. Proc. of Southeast Assoc. of Fish and Wildlife Agencies 32:703-714.
 35. Stauffer, J. R., Jr., and C. H. Hocutt. 1980. Inertia and recovery: An approach to stream classification and stress evaluation. Water Resources Bull. 16(1):72-78.
 36. Stauffer, J. R., Jr., R. F. Denoncourt, C. H. Hocutt, and R. E. Jenkins. 1979. A description of the cyprinid fish hybrid, *Notropis chrysocephalus* x *Notropis photogenis*, from the Greenbrier River, West Virginia. Natural History Miscellanea. Chicago Acad. Sci. 204:1-6.
 37. Hendricks, M. L., J. R. Stauffer, Jr., C. H. Hocutt, and C. R. Gilbert. 1979. A preliminary checklist of the fishes of the Youghiogheny River. Natural History Miscellanea. Chicago Acad. Sci. 203:1-15.
 38. Melisky, E. L., J. R. Stauffer, Jr., and C. H. Hocutt. 1980. Temperature preference of banded killifish, *Fundulus diaphanus* Lesueur), from southwestern Pennsylvania. Copeia (2):346-349.
 39. Stauffer, J. R., Jr., R. L. Reish, and W. F. Calhoun. 1980. A Fortran program for calculating Brillouin's species diversity index. Prog. Fish. Cult. 42(3):185-187.
 40. Barila, T. Y., and J. R. Stauffer, Jr. 1980. Temperature behavioral responses of the American eel, *Anguilla rostrata* (Lesueur), from Maryland. Hydrobiologia 74:49-51.
 41. Stauffer, J. R. Jr., E. L. Melisky, and C. H. Hocutt. 1980. Temperature preference of the northern redbelly dace, *Phoxinus eos* (Cope). Archiv. Fur Hydrobiologia. 90(1):121-126.
 42. Willner, G. R., K. R. Dixon, J. A. Chapman, and J. R. Stauffer, Jr. 1980. A model for predicting age-specific body weights without age determination. J. Applied Ecology 7(1980):343-347.
 43. Stauffer, J. R., Jr., R. L. Kaesler, J. Cairns, Jr., and K. L. Dickson. 1980. Selecting groups of fish to optimize acquisition of information on thermal discharges. Water Resources Bull. 16(6):1097-1101.
 44. Markham, S. L., C. H. Hocutt, and J. R. Stauffer, Jr. 1980. The crayfish (Decapoda: Astacidae and Camberidae) and the freshwater mussels (Mollusca: Pelecypoda) of the lower New River, Virginia and West Virginia. Natural History Miscellanea. Chicago Acad. Sci. 208:1-11.
 45. Barila, T. Y., R. D. Williams, and J. R. Stauffer, Jr. 1981. The influence of stream order and selected stream bed parameters on fish diversity in Raystown Branch, Susquehanna River drainage, Pennsylvania. J. Applied Ecology 18:125-131.
 46. Stauffer, J. R., Jr. 1981. Temperature behavior of the bluespotted sunfish *Enneacanthus gloriosus* (Holbrook) with an evaluation of the interpretation of thermal behavioral data. Water Resources Bull. 17(3)504-507.
 47. Shingleton, M. V., C. H. Hocutt, and J. R. Stauffer, Jr. 1981. Temperature preference of the New River shiner. Trans. Amer. Fish. Soc. 110:660-661.
 48. Stauffer, J. R., Jr., B. M. Burr, C. H. Hocutt, and R. E. Jenkins. 1982. Checklist of the fishes of the central and northern Appalachian Mountains. Biol. Soc. Wash. 95:27-47.

49. Cincotta, D. A., J. R. Stauffer, Jr., and C. H. Hocutt. 1982. Application of fish responses to temperature to assess the effects of a thermal discharge. *Water Resources Bull.* 18:437-450.
50. Goodfellow, W. L., R. P. Morgan II, C. H. Hocutt, and J. R. Stauffer, Jr. 1982. Electrophoretic analysis of *Campostoma anomalum*, *Rhinichthys cataractae*, and their F₁ offspring. *J. Biochemical Systematics and Ecology.* 10:95-98.
51. Hocutt, C. H., R. F. Denoncourt, and J. R. Stauffer, Jr. 1982. Observations of behavioral responses of fish to environmental stress in situ. *J. Applied Ecology* 19:443-451.
52. Barilla, T. Y., J. R. Stauffer, Jr., and C. H. Hocutt. 1982. Temperature preference and avoidance responses of the common shiner, *Notropis cornutus* (Mitchill). *Achiv fur Hydrobiologia* 96(1):112-119.
53. Esmond, E. F., and J. R. Stauffer, Jr. 1983. Taxometric comparison of the Atlantic Slope and Ohio River populations of *Etheostoma caeruleum* Storer. *American Midland Naturalist* 109(2):390-397.
54. Adams, S. M., J. M. Dean, W. J. Matthews, W. D. Pearson, M. P. Sissenwines, J. R. Stauffer, Jr., and M. P. Weinstein. 1983. An evaluation of the 1982 annual meeting. *Fisheries* 8(3):14-15.
55. Stauffer, J. R., Jr., J. E. Gates, and W. L. Goodfellow. 1983. Preferred temperature of two sympatric *Ambystoma* larvae: A proximate factor in niche segregation? *Copeia* 1984:1001-1005.
56. Hendricks, M. L., J. R. Stauffer, Jr., and C. H. Hocutt. 1983. The zoogeography of the fishes of the Younghigheny River System, Pennsylvania, Maryland, and West Virginia. *Amer. Midl. Nat.* 110:145-164.
57. Howard, J. H., R. L. Wallace, and J. R. Stauffer, Jr. 1983. Critical thermal maxima in populations of *Ambystoma macrodactylum* from different elevations. *J. Herpetology* 17(4):400-402.
58. Stouffer, R. H., Jr., J. E. Gates, C. H. Hocutt, and J. R. Stauffer, Jr. 1983. Surgical implantation of a transmitter package for radio-tracking endangered hellbenders. *Wildlife Society Bulletin* 11(4):384-386.
59. Morgan II, R. P., R. E. Smith, Jr., and J. R. Stauffer, Jr. 1983. Electrophoretic separation of larval silver redhorse (*Moxostoma anisurum*) and golden redhorse (*Moxostoma erythrurum*). *Comparative Biochemistry and Physiology* 76B(4):721-722.
60. Goodfellow, W. L., C. H. Hocutt, R. P. Morgan II, and J. R. Stauffer, Jr. 1984. Biochemical assessment of the taxonomic status of *Rhinichthys bowersi* (Pisces: Cyprinidae). *Copeia* 1984(3):652-659.
61. Cincotta, D. A., and J. R. Stauffer, Jr. 1984. Temperature preference and avoidance studies of six North American freshwater fish species. *Hydrobiologia* 109:173-177.
62. Cincotta, D. A., J. R. Stauffer, Jr., and C. H. Hocutt. 1984. The effects of rapid temperature decreases on five freshwater fish species. *Arch. Hydrobiol.* 99(4):529-536.
63. Stauffer, J. R., Jr., D. K. Vann, and C. H. Hocutt. 1984. Effects of salinity on preferred and lethal temperatures of the blackchin tilapia, *Sarotherodon melanotheron*. *Water Resources Bulletin* 20(5):771-775.
64. Stauffer, J. R., Jr., D. R. Lispi, and C. H. Hocutt. 1984. The preferred temperatures of three *Semotilus* species. *Arch. fur Hydrobiolgia* 101(4):595-600.

65. Morgan, R. P. II, W. L. Goodfellow, Jr., C. H. Hocutt, and J. R. Stauffer, Jr. 1984. Karyotype of *Nocomis micropogon*, *Rhinichthys cataractae* and their supposed hybrid, "*Rhinichthys bowersi*" (Pisces: Cyprinidae). *Copeia* 1984(4):990-992.
66. Stauffer, J. R. Stauffer, Jr., E. L. Melisky, C. H. Hocutt. 1984. Interrelationships among preferred, avoided, and lethal temperatures of three fish species. *Arch. Hydrobiologia* 100:159-169.
67. Price, E. E., J. R. Stauffer, Jr., and M. C. Swift. 1985. Effect of temperature on growth of juvenile *Oreochromis mossambicus* and *Sarotherodon melanotheron*. *Environmental Biology of Fishes*. 13(2):149-152.
68. Sager, D. R., C. H. Hocutt, and J. R. Stauffer, Jr. 1985. Preferred wavelengths of visible light for juvenile menhaden (*Brevoortia tyrannus*). *North American Journal of Fisheries Management*. 5:72-77.
69. Patrick, P. H., A. E. Christie, D. R. Sager, C. H. Hocutt, and J. R. Stauffer, Jr. 1985. Responses of fish to a strobe light/air bubble barrier. *Fisheries Research*. 1985(3):157-172.
70. Stauffer, J. R., Jr., C. H. Hocutt, and W. F. Goodfellow. 1985. Effects of sex and maturity on preferred temperatures: a proximate factor for increased survival of young *Poecilia latipinna*. *Arch. fur Hydrobiologia*. 103(1):129-132.
71. Stauffer, J. R., Jr., and K. R. McKaye. 1985. *Cyrtocara macrocleithrum*, a deep-water cichlid (Teleostei: Cichlidae) from Lake Malaŵi, Africa. *Copeia* 1985(3):591-596.
72. Feldhamer, G. A., J. R. Stauffer, Jr., and J. A. Chapman. 1985. Body morphology and weight relationships of sika deer in Maryland. *Z. Saugtierkunde* 50(1985):88-106.
73. Stauffer, J. R., Jr., and K. R. McKaye. 1986. Description of a paedophagous deep-water cichlid (Teleostei: Cichlidae) from Lake Malaŵi, Africa. *Biological Society of Washington* 99(1):29-33.
74. Stauffer, J. R., Jr. 1986. Ontogenetic changes in the preferred temperatures of the blackchin tilapia, *Sarotherodon melanotheron*. *Archiv. fur Hydrobiologia* 105(3):397-402.
75. Gates, J. E., R. N. Stouffer, Jr., J. R. Stauffer, Jr., and C. H. Hocutt. 1985. Dispersal patterns of translocated *Cryptobranchus alleganiensis* in a Maryland stream. *J. Herpetology* 19(3):436-438.
76. McKaye, K. R., and J. R. Stauffer, Jr. 1986. Description of a gold cichlid (Teleostei: Cichlidae) from Lake Malaŵi, Africa. *Copeia* 1986(4):870-875.
77. Boltz, J. M., and J. R. Stauffer, Jr. 1986. Branchial brooding in the pirate perch, *Aphredoderus sayanus* (Gilliams). *Copeia* 1986(4):1030-1031.
78. Stauffer, J. R., Jr. 1986. Effects of salinity on preferred and lethal temperatures of the Mozambique tilapia, *Oreochromis mossambicus* (Peters). *Water Resources Bulletin* 22(2):205-208.
79. Goodfellow, W. L., Jr., R. P. Morgan III, J. R. Stauffer, Jr., and C. H. Hocutt. 1986. An intergeneric hybrid, *Campostoma anomalum* x *Rhinichthys atratulus*, from the Youghiogheny River drainage, West Virginia. *Biochemical Systematics and Ecology* 14(2):233-238.
80. McKaye, K. R., J. R. Stauffer, Jr., and S. M. Louda. 1986. Fish predation as a factor in the distribution of Lake Malaŵi gastropods. *Experimental Biology*. 45:279-289.
81. Boltz, J. M., M. J. Siemien, and J. R. Stauffer, Jr. 1987. Influence of starvation on the

- preferred temperature of *Oreochromis mossambicus* (Peters). Arch. fur Hydrobiologia 110(1):163-164.
82. Sager, D. R., C. H. Hocutt, and J. R. Stauffer, Jr. 1987. Estuarine fish responses to strobe light, bubble curtains, and strobe light-bubble curtain combinations as influenced by water flow rate and flash frequencies. Fisheries Research. 5:383-399.
 83. McKaye, K. R. and J. R. Stauffer, Jr. 1987. Foraging theory and fortuitous contributions to aquaculture and African Great Lakes management. News IAEFF 10:47-50.
 84. Stauffer, J. R., Jr., and K. R. McKaye, 1988. Description of a genus and three deep water species of fishes (Teleostei: Cichlidae) from Lake Malaŵi, Africa. Copeia 1988:441-449.
 85. Stauffer, J. R., Jr. 1988. Three new rock-dwelling cichlids (Teleostei: Cichlidae) from Lake Malaŵi, Africa. Copeia 1988(3):663-668.
 86. McKaye, K. R. and J. R. Stauffer, Jr. 1988. Seasonality, depth, and habitat distribution of breeding males, *Oreochromis* spp., "Chambo", in Lake Malaŵi National Park. Journal of Fish Biology. 33:825-834.
 87. Stauffer, J. R., Jr., S. E. Boltz, and J. M. Boltz. 1988. Thermal tolerance of the blue tilapia, *Oreochromis aureas*, in the Susquehanna River. North American Journal of Fisheries Management 8(3):329-332.
 88. Siemien, M. J. and J. R. Stauffer, Jr. 1989. Temperature preference and tolerance of the spotted tilapia and Rio Grande cichlid. Archiv. fur Hydrobiol. 115(2):287-303.
 89. Stauffer, J. R., Jr. and J. M. Boltz. 1989. Description of a rock-dwelling cichlid (Teleostei: Cichlidae) from Lake Malaŵi, Africa. Proceedings of the Biological Society of Washington 102(1):8-13.
 90. Stauffer, J. R., Jr., J. M. Boltz, and S. E. Boltz. 1989. Temperature preference of the redbelly tilapia, *Oreochromis zilli* (Gervais). Archiv fur Hydrobiologia 114(3):453-456.
 91. Stauffer, J. R., Jr., R. F. Denoncourt, C. H. Hocutt, and R. L. Miles. 1989. Fishes of the Guyandotte River, West Virginia. Bulletin of the Chicago Academy of Sciences. 14(1):3-11.
 92. Boltz, J. M., J. R. Stauffer, Jr. and S. E. Boltz. 1989. A description of the cyprinid fish hybrid, *Clinostomus elongatus* x *Notropis cornutus*. Bulletin of the Chicago Academy of Sciences 14(2):12-14.
 93. Welch, T. J., J. R. Stauffer, Jr. and R. P. Morgan, II. 1989. Temperature preference as an indicator of the chronic toxicity of cupric ions to Mozambique tilapia. Bull. Environ. Contam. Toxicol. 43:761-768.
 94. McKaye, K. R., S. M. Louda, and J. R. Stauffer, Jr. 1990. Bower size and male reproductive success in a cichlid fish lek. American Naturalist 135:597-613.
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28. Stauffer, J. R., Jr. and C. H. Hocutt. 2024. Systematics of Namibia's Inland Fishes. 13–27 in G. S. Merron and C. H. Hocutt. *Inland Fishes and Fisheries of Namibia*.

Book Reviews (7):

1. Stauffer, J. R., Jr. and H. Madsen. 2011. Schistosomiasis in Lake Malaŵi and the Potential Use of Indigenous Fish for Biological Control. 119-140 In: *Schistosomiasis*. Rokni, M. B. (ed.). InTech Publishers.
Stauffer, J. R., Jr. 1980. Fourth National Workshop on Entrainment and Impingement. (L. D. Jensen, ed.). *Book Review: BioScience* 30(4):264-265.
2. Stauffer, J. R., Jr. 1981. *Handbook of Variables for Environmental Impact Assessment*. (Larry Canter and Loren Hill, eds.). *Trans. Amer. Fish. Soc.* 10(1):189-190.
3. Stauffer, J. R., Jr. 1988. *Book Review: Ecology of Biological Invasions*. (R. H. Groves and J. J. Burton eds.) *BioScience*.
4. Stauffer, J. R., Jr. 1990. *Book Review: International Introductions of Inland Aquatic Species*. (R. L. Welcomme). *Trans. Amer. Fish. Soc.* 119(4):787-788.
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7. Stauffer, J. R., Jr. 2017. The potential of sentience in fishes (Commentary on Balcombe's *What Fishes Know*). *Animal Sentience* 2017.02:1-3.

Published Datasets (2):

1. Clark KH, JM Wisor, SJ Mueller, C Bradshaw-Wilson, EW Boyer, and JR Stauffer. 2021. Supporting Dataset for "Status of Freshwater Mussels (Unionidae) in the French Creek Watershed, USA at the Onset of Invasion by Round Goby, *Neogobius melanostomus*." CUAHSI HydroShare Data Repository, DOI: <https://doi.org/10.4211/hs.e72f2afe5eb54dfda6fe4465279a2fb3>
2. Clark KH, DD Iwanowicz, LR Iwanowicz, SJ Mueller, JM Wisor, C Bradshaw-Wilson, WB Schill, JR Stauffer, Jr., and EW Boyer. 2022. Supporting dataset for "Unionid Mussels Threatened by Predation of Round Goby (*Neogobius melanostomus*)." CUAHSI HydroShare Data Repository, DOI: 0.4211/hs.e46d4769a8a346fcaed7a27fceb20ad

SPONSORED RESEARCH PROJECTS

Principal or Co-principal Investigator on Following Grants and Contracts (140):

1. Analysis and evaluation of acceptable temperature limitations for fishes in the Middle Atlantic States. Mid-Atlantic Power Consortium, 9/1/76-10/31/78, \$64,000
2. Studies of fishes of Monongahela National Forest U. S. Dept. of Ag./U.S. Forest Service. 9/22/76-12/31/77, \$4,000
3. Survey of fishes and macroinvertebrates of Youghiogheny River. Maryland Department of Nat. Resources, 3/1/77-4/81, \$75,061.28
4. Study program-evaluate the effects of impingement and entrainment of the Glen Lyn Power Station on the larval fish of the New River, Virginia, American Electric Power Company. 3/15/76-3/14/77, \$14,841
5. Temperature preference and avoidance studies of fishes. P. H. Glatfelter, 11/1/75-9/30/77, \$7,490
6. Fish and crab behavior in the vicinity of cooling water intake and discharge structures., DNR, PPSP, 9/1/76-1/31/78, \$50,967
7. Gauley River Fisheries Study, U.S. Fish & Wildlife Service, 4/9/76-12/1/76, \$6,985
8. Blue Ridge Fisheries Study, VPI & SU, 7/1/75-10/1/75, \$4,000
9. Deep Creek Lake Smelt Project, DNR, FA, 1/1/76-5/31/76, \$4,000
10. Big River Missouri Study, Dresser Industries, 9/15/75-3/14/76; \$17,389, and 3/16/76-3/15/77, \$20,919
11. Aquatic Biological Survey of New River, W. VA, U.S. Fish and Wildlife Service, 4/23/79-12/31/79, \$20,000
12. Identification of Larval Fish from the Monongahela River, Stearns-Roger, Inc., 4/1/79-9/1/79, \$8,260.60
13. Development of Methodology for Determining Distribution and, Status of the Hellbender, Maryland DNR, 3/15/79-9/15/79, \$11,828
14. Survey of Hellbenders in Maryland, Maryland DNR, 9/15/79-12/31/81, \$62,231
15. Survey of the Fishes and Macroinvertebrates of the Potomac River, Maryland Coastal Zone Administration, 6/1/79-6/1/80, \$48,870
16. Taxonomic Status of "Rhinichthys bowersi," U. S. Forest Service, 6/1/80-6/1/81, \$39,000
17. Temperature tolerance and preference of two species of Tilapia at varying salinities, 9/1/81-8/31/82, \$16,854
18. Water quality sampling program of the Youghiogheny – Little Youghiogheny Rivers, 8/17/81-10/9/81, \$19,581
19. Effects of Light on preference and avoidance responses of three estuarine fishes, Potomac Edison Power Company, \$75,000
20. Radiotelemetry Study of Hellbenders, 3/1/82-10/1/82, \$11,346
21. Assessment of the Aquatic Fauna of the North Branch Potomac River, U.S. Army Corps of Engineers, 6/1/82-10/15/82, \$7,000
22. Assessment of the Aquatic Fauna of the Tioga/Hammond Watersheds, Army Corps of Engineers, 7/1/82-12/1/82, \$7,000
23. Effects of light on preference and avoidance responses of sea turtles, Florida Power and Light, 11/1/82-11/1/83, \$89,000

24. Assessment of the Aquatic Fauna of the North Branch Potomac River and Tioga/Hammond Watersheds, Army Corps of Engineers, 5/1/83-12/1/83, \$23,527
25. Fishes of West Virginia. Part I, West Virginia Department of Natural Resources, 7/1/83-6/30/84, \$12,794
26. Habitat Evaluation procedures for Cowanesque Lake, U.S. Army Corps of Engineers, 1/4/84-11/30/84, \$7,510
27. Tioga-Hammond/Cowanesque and Bloomington/Savage Biological Surveys, U.S. Army Corps of Engineers, 6/1/84-6/30/85, \$23,378
28. Chronic Toxicity of the University Area Joint Authority Effluent on Brown Trout. University Area Joint Authority, 11/1/84-7/31/86, \$45,770
29. Evaluation of Aquatic and Terrestrial Fauna on the Mill Creek Site Environmental Protection Agency/US Fish and Wildlife Service, 11/1/84-4/30/85, \$22,192
30. Evaluation of Run-off from a Hazardous and Toxic Waste Landfill on the Fishes and Macrobenthos of the Upper Delaware River, National Park Service, 9/1/84-12/30/85, \$23,191
31. Fishes of West Virginia. Part II, West Virginia Department of Natural Resources, 7/1/84-6/30/85, \$14,045
32. Evaluation of Non-game Fishes from the Ohio River Drainage in Pennsylvania, Wild Resources Conservation Board/PA. Fish Commission, 1/1/85-12/30/86, \$47,072
33. Relationships Among Contaminants in Fish and Wildlife and Hazardous Waste Sites at the Bald Eagle Creek Site in Lock Haven, PA, U. S. Fish and Wildlife Service, 9/25/85-9/25/86, \$2,982
34. Status of the Cheat Minnow *Rhinichthys bowersi* in the Monongahela River Drainage, U.S. Fish and Wildlife Service, 6/1/85-12/31/86, \$5,518
35. Survey-locate additional populations of the endangered Maryland Darter (*Etheostoma sellare*), U. S. Fish and Wildlife Service, 7/1/85-12/31/86, \$12,977
36. Fishes of West Virginia Part III, West Virginia Department of Natural Resources, 7/1/85-6/30/86, \$15,146
37. Fishes of West Virginia Part IV, West Virginia Department of Natural Resources, 7/1/86-6/30/87, \$16,378
38. Evaluation of Run-off from a Hazardous and Toxic Waste Landfill on the Fishes and Macroinvertebrates of the Upper Delaware River, National Park Service, 3/1/86-3/15/87, \$13,252; and 3/15/87-10/15/87 \$3,311
39. Effects of Flood Damage and Channelization on Recolonization in a West Virginia Trout Stream, U. S. Fish and Wildlife Service, 7/1/86-6/30/87, \$23,000
40. Thermal Tolerance of the Blue Tilapia, *Oreochromis aureas* in the Susquehanna River, Pennsylvania, Pennsylvania Power and Light, 11/1/86-6/30/87, \$15,950
41. Biological Control of the Human Disease Bilharziasis (Schistosomiasis) by Lake Malaŵi Molluscivores. US Agency for International Development, 10/1/85-9/30/89, \$139,166
42. Evaluation of Non-game Fishes from Eastern Pennsylvania, Wild Resources Conservation Board, 1/1/87-6/30/89, \$55,988
43. Increasing the Production Efficiency of Atlantic Salmon Aquaculture Systems, U. S. Fish

- and Wildlife Service, 9/1/86-12/31/87, \$9,173
44. Mate Choice, and the Behavioral Significance of Nest Form Among Cichlid Fishes of Lake Malaŵi, Africa., National Science Foundation, 10/1/86-9/30/89, \$197,513
 45. Fishes of West Virginia - Part V, West Virginia Department of Natural Resources, 7/1/86-6/30/87, \$18,007
 46. Effects of Flood Damage and Channelization on Recolonization in West Virginia Trout Stream, U. S. Fish and Wildlife Service, 7/1/86-12/31/89, \$46,676
 47. Biological Survey and Management Plan for the Valley Creek Drainage Basin, Valley Forge National Park, U.S. National Park Service, 7/1/87-6/30/88, \$24,891
 48. Life Histories of Eight Species of Fishes from the Allegheny River System, Pennsylvania, Wild Resources Conservation Board, 1/1/88-12/31/90, \$79,226
 49. Identification of Macroinvertebrate Samples Collected by the National Park Service, National Park Service, 10/29/88-6/30/93, \$37,282
 50. Factors Influencing Biotic Diversity of Streams in the Upper Allegheny River System, Wild Resources Conservation Board, 1/1/90-12/30/93, \$159,576
 51. Prediction of Resistance and Resilience in Stream Ecosystems, U.S. National Park Service, 5/1/90 - 4/30/93, \$61,032
 52. Identification of Commercially Important Fishes of Lake Malaŵi, United States Agency for International Development, 11/1/90 - 9/30/93, \$149,235
 53. Determination of Biodiversity in Complex Ecosystems, United States Agency for International Development, 8/2/91-8/1/95, \$149,969
 54. Toxicological Evaluation of Upper Spring Creek, Centre County Pennsylvania, SMC Environmental Services, 9/1/90-6/30/91, \$18,466
 55. The Distribution, Population Status, and Ecology of *Etheostoma maculatum* in upper French Creek, New York, New York Nature Conservancy, 5/15/91-12/31/92, \$10,000
 56. JVSD Tilapia Aquaculture, Iceland Seafood, 10/23/90-8/31/91, \$11,792
 57. Ben Franklin Match of Iceland Seafood, Ben Franklin Foundation, 10/23/90-8/31/91, \$8,000
 58. Endangered Fisheries Investigation: Darter Biology. New York State Department of Environmental Conservation, 4/1/92-3/31/95, \$27,660
 59. The effect of environmental and processing procedures on the consumer acceptability of tilapia from an aquaculture closed system, Pennsylvania Department of Agriculture, 7/1/92-6/30/95, \$128,106
 60. Effects of Introduced Species on the Distribution, Ecology, and Biology of Indigenous Fishes, U.S. Fish and Wildlife Service, 4/1/93-3/31/98, \$268,572
 61. Mid-Appalachian Indicator Development and Stream Surveys, U.S. Environmental Protection Agency, 6/1/93-5/31/96, \$147,011
 62. Compilation of Biological Data of National Park Units. U.S. National Park Service, 9/30/93 - 9/29/94, \$14,999
 63. Anthropogenic and Natural Influences on Fish Patterns in Pennsylvania, National Biological Survey, U.S. Department of the Interior, 04/01/95-12/30/96, \$79,641
 64. Reproductive Biology of Fishes in the Upper Delaware River, National Biological Survey,

- U.S. Department of the Interior, 04/01/95 - 12/30/96, \$20,000
65. Status of Indigenous Lampreys in Pennsylvania, Wild Resources Conservation Fund, 01/15/95 - 06/30/97, \$102,825
 66. In situ Video of Pennsylvania's Freshwater Fish Fauna, Wild Resources Conservation Fund, 04/15/96 - 06/30/98, \$35,000
 67. Assessment of the Effects of Limestone Quarrying on the Biota of Pennsylvania Streams, Penns Valley Conservation Association, 04/15/97-04/14/98, \$22,000
 68. Pennsylvania Species of Concern – Fish species Reference Book, Pennsylvania Department of Transportation, 6/21/99-6/20/00, \$50,000
 69. Research Plan for Habeeb Lake in Rocky Gap State Park, University of Maryland/Maryland Department of Juvenile Justice, 9/1/98-8/31/99, \$59,581
 70. Fish Identification Training Course, Department of Environmental Protection, 4/15/99-12/31/99, \$39,632
 71. Effect of Mountain Top Mining on Fish Distribution, U.S. Fish & Wildlife Service, 09/01/98-06/30/01, \$192,000.
 72. Marshalls Creek Shiner Study, US Geological Survey, 8/15/99 – 8/14/03, \$230,298
 73. Using Fish-Control Schistosomiasis in Lake Malawi, Africa, Conservation, Food and Health Foundation, 4/12/00 – 12/30/01, \$16,190
 74. Pennsylvania Species of Concern, Pennsylvania Department of Transportation, 9/15/00-9/14/01, \$58,000
 75. Fishes of Pennsylvania, U.S. Fish & Wildlife Service, 09/15/00-09/14/04, \$339,000
 76. Historical Records for Northeastern National Parks, National Park Service, 09/01/00-08/31/01, \$33,000
 77. *Etheostoma exile*: 1) Current Distribution and 2) Breeding Protocol. National Oceanic and Atmospheric Administration, Sea Grant, 09/01/00-06/30/01, \$9,400
 78. Presque Isle Toxicants: A Possible Cause of Asymmetry in *Fundulus diaphanous*, Sea Grant, 09/01/00-06/30/01, \$7,600
 79. Diet, Habitat Preference, and Reproductive Strategies of the Round Goby (*Neogobius melanostomas*) in Presque Isle Bay, Pennsylvania, Sea Grant, 09/01/00-06/30/01, \$5,000
 80. *Etheostoma exile*: 1) Current Distribution and 2) Breeding Protocol, Sea Grant. Renewal, 9/01/01-06/30/02, \$9,400
 81. Presque Isle Toxicants: A Possible Cause of Asymmetry in *Fundulus diaphanous*, Sea Grant. Renewal, 09/01/01-06/30/02, \$7,600.
 82. Diet, Habitat Preference, and Reproductive Strategies of the Round Goby (*Neogobius melanostomas*) in Presque Isle Bay, Pennsylvania, Sea Grant, Renewal, 09/01/01-06/30/02, \$5,000
 83. Characterization of Stream Fish Assemblages in Selected Regions of Mountain Top Removal/Valley Fill Coal Mining, U.S. Environmental Protection Agency, 05/1/01-04/30/02, \$61,754
 84. Amendment-Fishes of Pennsylvania, Pennsylvania Department of Transportation, 5/14/01-6/30/01, \$21,307
 85. Trout Feed Evaluation Integrating Waste-Treatment Criteria: Significance and

- Opportunity, Zeigler Bros., Inc., 6/13/01 – 6/30/03, \$42,072.
86. Restoration of Iron Color and Bridle Shiners, Bureau of Wildlife Management; Pennsylvania Game Commission, 10/1/01 – 9/30/03, \$141,221
 87. Fishes of Pennsylvania: Creation of Fish Distribution Database Compatible with Other GIS Data Layers Work Order No. 1, Pennsylvania Department of Transportation, 8/15/01 – 6/30/01, \$56,708
 88. Marshall's Creek Shiner Project, Pennsylvania Department of Transportation, 12/1/01 – 4/30/06, \$342,767
 89. Fishes of Pennsylvania: Creation of Fish Distribution Database Year 2 of Work Order No. 1, Pennsylvania Department of Transportation, 7/18/02 – 7/19/03, \$61,024
 90. Survey of Inland Populations of Burbot (*Lota lota*) in Pennsylvania, Year 1, 1/1/02 – 12/30/02, Wild Resources Conservation Fund, \$50,000
 91. Investigate the Diet, Habitat Preference and Reproductive Strategies of the Round Goby (*Neogobius melanostomus*) in Presque Isle Bay, Pennsylvania, 1/1/03 – 12/30/2003, Coastal Zone Management, \$5,000
 92. Round Goby Impacts on Pennsylvania's Coastal Aquatic Resources; Erie County Conservation District; 10/1/01 – 3/31/03, Coastal Zone Management, \$28,993
 93. Status of *Percina copelandi* in the Lake Erie Drainage, 4/1/03 – 3/31/04, Coastal Zone Management, \$10,712
 94. Survey of Inland Populations of Burbot (*Lota lota*) in Pennsylvania, Year 2, 1/1/03 – 12/30/05, Wild Resources Conservation Fund, \$58,875
 95. Schistosomiasis: Ecological Interactions Among Schistosomes Snail Hosts, Human Hosts, & Fish Predators, Ecology of Infectious Diseases, Joint Program NIH/NSF, 9/15/02 – 9/14/07, \$1,631,000
 96. Non-native Trout Effects of Native PA Fishes and Associated Food Webs, PA Department of Conservation & Natural Resources, 11/12/03 – 06/30/05, \$35,510
 97. Proper Diet Selection for Maximizing Gain and Profitability While Minimizing Nutrient Loading, Zeigler Brothers, Inc. (subcontract under PDA), 01/01/04 – 06/30/04, \$25,886.
 98. Non-native Trout Effects of Native PA Fishes and Associated Food Webs – Year 2, PA Department of Conservation & Natural Resources, 11/12/04 – 06/30/06, \$20,000
 99. Biological and Chemical Surveys of Habitats Harboring Floral and Faunal Species of Special Concern, Pennsylvania Department of Transportation, 7/1/06-6/30/11, \$536,219.
 100. Non-native Trout Effects of Native PA Fishes and Associated Food Webs – Year 3, Pennsylvania Department of Conservation & Natural Resources, 4/12/06– 06/30/07, \$16,777.00
 101. Ichthyological survey of the navigational channels and deepwater habitats of the Ohio, Allegheny, and Monongahela rivers, PA Department of Conservation and Natural Resources, 10/21/05-6/30/07, \$45,302.00
 102. Collection of fishes of special concern in Pennsylvania, Carnegie Institute, 3/15/06-11/30/06, \$20,000
 103. Ichthyological Survey of the Deep Waters of the Allegheny, Monongahela, and Ohio rivers, State Wildlife Grants, 1/1/01/07-6/30/08, \$99,000

104. Ichthyological Survey of the Deep Waters of the Allegheny, Monongahela, and Ohio rivers – Year 2, State Wildlife Grants, 2/15/08-12/31/08, \$105,000
105. Ichthyological survey of the navigational channels and deepwater habitats of the Ohio, Allegheny, and Monongahela rivers. Year 2, PA Department of Conservation and Natural Resources, 2/15/07-12/31/07, \$36,000
106. Does phenotypic plasticity in Cichlids confer an advantage over native sunfishes? US Geological Survey, 8/1/07-7/31/08, \$9,434
107. A catalog of fishes in the Penn State University Fish Museum, Pennsylvania Fish and Boat Commission, 7/1/07-6/30/12, \$6,000
108. Collection of Atlantic Slope Fishes for Pennsylvania’s fish development and metrics verification, Pennsylvania Fish and Boat Commission, 7/1/07-8/31/09, \$151,536
109. Upper Ohio River Larval and Young-of-Year Survey, Army Corps of Engineers, 8/1/08-2/28/10, \$237,240
110. Status and Distribution of Pennsylvania Fishes with special Emphasis on Lampreys, Wild Resource Conservation Program, Department of Conservation & Natural Resources, 1/1/09-12/30/2010, \$20,345
111. Ichthyological Survey of the Deep Waters of the Allegheny, Monongahela, and Ohio rivers, State Wildlife Grants, 1/1/01/08-6/30/10, \$105,965
112. Habitat partitioning between the Introduced Round Goby (*Neogobius melanostomus*) and Native Stream Fishes in the Lake Erie Drainage of Pennsylvania, Tom Ridge Center Environmental Grants, 12/1/2010-3/30/2012, \$45,446.
113. Does phenotypic plasticity in cichlids confer an advantage over native sunfishes? U. S. Department of Interior, 5/1/10-4/30/11, \$15,980
114. Habitat Assessment and eDNA Analysis of Invasive species in Ohio River and Lake Erie, Department of Environmental Protection, 10/1/2011 – 3/31/2013, \$110,745
115. Biological and chemical surveys of habitats harboring floral and faunal species of special concern (DGS Legacy Contract No. 999012), Pennsylvania Department of Transportation, 7/1/2011-9/30/2011, \$48,452.
116. Identification of Lake Erie Macrobenthos, Tom Ridge Center, 12/15/11-8/30/12, \$11,000
117. Survey of Unassessed Waters for Brook Trout, Pennsylvania Fish and Boat Commission, 4/1/2012-12/30/2012, \$10,000
118. Assessment of Round Gobies in Lake Erie Tributaries, USDI – Water Resources Center; Penn State Sea Grant, 4/13/2012 – 12/30/2013, \$19,243
119. Survey of Unassessed Waters for Brook Trout, Pennsylvania Fish and Boat Commission, 4/1/2013-12/30/2013, \$20,000
120. Habitat Partitioning of Round Gobies in Artificial Stream, USDI – Water Resources Center; Pennsylvania Sea Grant, 1/2/2013-12/30/2013, \$12,000.
121. Critical Review of Penn State Fish Museum and PA Fish and Boat Commission Fish Survey Data, State Wildlife Grants, 5/1/2013-7/31/2015, \$167,000.
122. Contract for Biological and Chemical Surveys of Habitats Harboring Floral and Faunal Species of Special Concern, Pennsylvania Department of Transportation, 10/1/2011-6/30/2014, \$517,042.

123. Assessing the Ecological Integrity of Presque Isle Bay, Pennsylvania Sea Grant, 10/1/2013-1/31/2014, \$45,964
124. Survey of Unassessed Waters for Brook Trout, Pennsylvania Fish and Boat Commission, 4/1/2014-12/30/2014, \$22,000
125. Survey of Unassessed Waters for Brook Trout, Pennsylvania Fish and Boat Commission, 4/1/2015-12/30/2015, \$11,000
126. Survey of Unassessed Waters for Brook Trout, National Fish and Wildlife Federation, 4/1/2016-12/30/2016, \$26,000
127. Status of the Round Goby in the French Creek Watershed, Pennsylvania Sea Grant, 1/2/2016-8/30/2017, \$56,165
128. Critical Review of Penn State Fish Museum and PA Fish and Boat Commission Fish Survey Data, State Wildlife Grants, 1/2/2016-9/30/2016, \$28,000
129. Publication of Fishes of Pennsylvania, State Wildlife Grants, 3/1/2016-9/30/2016, \$50,000
130. Survey of Unassessed Waters for Brook Trout, National Fish and Wildlife Federation, 4/1/2017-12/30/2017, \$11,000
131. Selective Predation of Round Gobies on Unionid Mussels, Department of Conservation and Natural Resources, 1/1/2018-6/30/2019, \$49,921
132. The Impacts of Introduced Round Goby on Aquatic Community Structure in Pennsylvania Watersheds, Sea Grant, 2/1/2018-3/30/2020, \$125,000.
133. Brook Trout Sampling in Unassessed Waters, Pennsylvania Fish and Boat Commission, 6/1/2018-12/30/2018, \$10,969
134. Assessment of the Unassessed Waters of Pennsylvania to Investigate the Distribution of Eastern Brook Trout (*Salvelinus fontinalis*), Foundation for Pennsylvania Watersheds, 10/1/2018—2/28/2019, \$11,000.
135. Recovery of the Chesapeake Logperch, *Percina bimaculata*, Pennsylvania Fish and Boat Commission, 1/1/2019—12/31/2022, \$369,999
136. Life History of the Chesapeake Logperch, Wild Resources Conservation Fund, 1/1/2019—6/30/2020, \$50,000
137. Assessment of the Unassessed Waters of Pennsylvania to Investigate the Distribution of Eastern Brook Trout (*Salvelinus fontinalis*), Foundation for Pennsylvania Watersheds, 10/1/2019–2/28/2020, \$5,000.
138. Effects of Non-native Darters on the Chesapeake Logperch, Wild Resources Conservation Fund, 1/1/2020—6/30/2021, \$50,000
139. Assessment of the Unassessed Waters of Pennsylvania to Investigate the Distribution of Eastern Brook Trout (*Salvelinus fontinalis*), Foundation for Pennsylvania Watersheds, 10/1/2020—2/28/2022, \$11,000.
140. Assessment of Chesapeake Logperch Movements, Wild Resources Conservation Fund, 2/1/2021–8/31/2022, \$45,000
141. Assessment of the Unassessed Waters of Pennsylvania to Investigate the Distribution of Eastern Brook Trout (*Salvelinus fontinalis*), Foundation for Pennsylvania Watersheds, 06/22–02/23, 22,000.
142. Assessment of the Unassessed Waters of Pennsylvania to Investigate the Distribution of

- Eastern Brook Trout (*Salvelinus fontinalis*), Foundation for Pennsylvania Watersheds, 06/23–02/24, 22,000.
143. Temperature Responses of the Chesapeake Logperch, Department of Conservation and Natural Resources, 04/01/2023–05/30/2024, 39,531
 144. Status of invasive Snakeheads in PA waters, Pennsylvania Water Resources Research Center U. S. Geological Survey, 09/01/2022–08/31/2023, 15,000.
 145. Forest Land Use, Water Quality, and Aquatic Life: A big data approach to understanding ecohydrological interactions in Pennsylvania, McIntire-Stennis. 1 January 2024–31 December 2025. \$199,850.
 146. Effects of Dissolved Oxygen on Chesapeake Logperch, *Percina bimaculata*. Department of Conservation and Natural Resources, 02/01/2004–06/30/2025, \$54,845.

REFERENCES

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additional references are available upon request