

Eric Raymond Fetherman, Ph.D.

Current Position: Aquatic Research Scientist IV
Colorado Parks and Wildlife
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Education

- Ph.D., Fish, Wildlife and Conservation Biology. Colorado State University. 2013.
 - Dissertation: Introduction and management of *Myxobolus cerebralis*-resistant rainbow trout in Colorado.
- M.S., Fish, Wildlife and Conservation Biology. Colorado State University. 2009.
 - Thesis: Heritability of myxospore count and the effects of *Myxobolus cerebralis* exposure on the physiological performance of whirling disease resistant and susceptible strains of rainbow trout.
- B.S., Wildlife Biology, second major in Fishery Biology. Colorado State University. 2006.

Professional Appointments

- Affiliate Faculty Member. Department of Biology, Colorado State University. November 2016-current.
 - Ph.D. Committee. Christopher J. Kopack. Using predator training and environmental enrichment to enhance behavior, morphology, and survival of hatchery-reared fishes. 2015-current.
- Affiliate Faculty Member. Department of Fish, Wildlife and Conservation Biology, Colorado State University. February 2014-Current.
 - M.S. Committee. Brian W. Avila. Survival of rainbow trout in the wild: a comparison of two whirling disease resistant strains. 2014-2017.
 - Ph.D. Committee. Brian W. Avila. Bacterial Coldwater Disease investigations. 2017-current.
- Graduate Research Assistant (Ph.D.). Colorado Cooperative Fish and Wildlife Research Unit, Colorado State University. 2009-2013.
- Graduate Research Assistant (M.S.). Colorado Cooperative Fish and Wildlife Research Unit, Colorado State University. 2006-2009.
- Teaching Assistant. Fishery and Wildlife Biology Introduction Seminar, Ichthyology Lab, Public Relations in Natural Resources, Principles of Wildlife and Fisheries Management, Wildlife Data Collection and Analysis. Colorado State University. 2005, 2006, 2008, 2010, and 2011.
- Research Assistant. Fisheries Evolutionary Genetics Laboratory. Colorado State University. 2003-2005.

Professional Societies

- Member; National American Fisheries Society. 2006-present.
 - Vice President for the Colorado/Wyoming Chapter of AFS. 2017-2018.
 - Chair of the Colorado/Wyoming Chapter of AFS Environmental Policy Committee. 2017-2018.

- Secretary-Treasurer for the Colorado/Wyoming Chapter of AFS. 2016-2017.
- Chair of the Colorado/Wyoming Chapter of AFS Registration Committee. 2016-2017.
- Co-chair of the Colorado/Wyoming Chapter of AFS Environmental Policy Committee. June 2014-2016.
- Co-editor of Colorado/Wyoming Chapter of AFS Newsletter, *The Angler*. 2013-2016.
- Member of the AFS Fish Culture Section. 2016-present.
- Member of the AFS Fish Health Section. 2011-present.
- Member of the Western Division AFS Student Representative Committee. 2011.
- Member of the Colorado/Wyoming Chapter of AFS and Western Division of AFS. 2006-present.
- Member; Colorado State University student chapter of American Fisheries Society. 2006-2011.
- Member; Colorado State University student chapter of Wildlife Disease Association. 2009.
- Vice President; Colorado State University student chapter of The Wildlife Society. 2004.
- Banquet Coordinator; Colorado State University student chapter of The Wildlife Society. 2003.

Publications

- Hodge, B. W., **E. R. Fetherman**, K. B. Rogers, and R. Henderson. 2017. Effectiveness of a fishway for restoring passage of Colorado River cutthroat trout. *North American Journal of Fisheries Management* 37(6):1332-1340.
- Richer, E. E., **E. R. Fetherman**, M. C. Kondratieff, and T. A. Barnes. 2017. Incorporating GPS and mobile radio frequency identification to detect PIT-tagged fish and evaluate habitat utilization in streams. *North American Journal of Fisheries Management* 37(6):1249-1264.
- **Fetherman, E. R.**, J. A. Wardell, C. J. Praamsma, and M. K. Hura. 2016. Critical dissolved oxygen tolerances of whirling disease-resistant rainbow trout. *North American Journal of Aquaculture* 78:366-373.
- Kopack, C. J., E. D. Broder, **E. R. Fetherman**, J. M. Lepak, and L. M. Angeloni. 2016. The effect of a single prerelease exposure to conspecific alarm cue on poststocking survival in three strains of rainbow trout (*Oncorhynchus mykiss*). *Canadian Journal of Zoology* 94(9): 661-664. DOI: 10.1139/cjz-2016-0086.
- Stout, J. B., B. W. Avila, and **E. R. Fetherman**. 2016. Efficacy of commercially available quaternary ammonium compounds for controlling New Zealand mudsnails, *Potamopyrgus antipodarum*. *North American Journal of Fisheries Management* 36:277-284.
- **Fetherman, E. R.**, J. M. Lepak, B. L. Brown, and D. J. Harris. 2015. Optimizing time of initiation for triploid walleye production using pressure shock treatment. *North American Journal of Aquaculture* 77:471-477.
- Kopack, C. J., E. D. Broder, J. M. Lepak, **E. R. Fetherman**, and L. M. Angeloni. 2015. Behavioral responses of a highly domesticated, predator naïve rainbow trout to chemical cues of predation. *Fisheries Research* 169:1-7.
- **Fetherman, E. R.**, D. L. Winkelman, L. L. Bailey, G. J. Schisler, and K. Davies. 2015. Brown trout removal effects on short-term survival and movement of *Myxobolus cerebralis*-resistant rainbow trout. *Transactions of the American Fisheries Society* 144:610-626.
- **Fetherman, E. R.**, B. W. Avila, and D. L. Winkelman. 2014. Raft and floating radio frequency identification (RFID) antenna systems for detecting and estimating abundance of PIT-tagged fish in rivers. *North American Journal of Fisheries Management* 34:1065-1077.

- **Fetherman, E. R.,** D. L. Winkelman, M. R. Baerwald, and G. J. Schisler. 2014. Survival and reproduction of *Myxobolus cerebralis* resistant rainbow trout in the Colorado River and increased survival of age-0 progeny. PLoS ONE 9(5):e96954.
- **Fetherman, E. R.** 2013. Introduction and management of *Myxobolus cerebralis*-resistant rainbow trout in Colorado. Ph.D. dissertation. Department of Fish, Wildlife and Conservation Biology, Colorado State University, Fort Collins, CO.
- **Fetherman, E. R.,** and J. M. Lepak. 2013. Addressing depletion failure and estimating gear efficiency using back-calculation of capture probabilities. Fisheries Research 147: 284-289.
- **Fetherman, E. R.,** D. L. Winkelman, G. J. Schisler, and M. F. Antolin. 2012. Genetic basis of differences in myxospore count between whirling disease-resistant and -susceptible strains of rainbow trout. Diseases of Aquatic Organisms 102:97-106.
- Lepak, J. M., **E. R. Fetherman,** W. M. Pate, C. Craft, and E. I. Gardunio. 2012. An experimental approach to determine esocid prey preference in replicated pond systems. Lake and Reservoir Management 28:224-231.
- Lepak, J. M., K. D. Kinzli, **E. R. Fetherman,** W. M. Pate, A. G. Hansen, E. I. Gardunio, C. N. Cathcart, W. L. Stacy, Z. E. Underwood, M. M. Brandt, C. A. Myrick, and B. M. Johnson. 2012. Manipulation of growth to reduce mercury concentrations in sport fish on a whole-system scale. Canadian Journal of Fisheries and Aquatic Sciences 69(1):122-135.
- **Fetherman, E. R.,** D. L. Winkelman, G. J. Schisler, and C. A. Myrick. 2011. The effects of *Myxobolus cerebralis* on the physiological performance of whirling disease resistant and susceptible strains of rainbow trout. Journal of Aquatic Animal Health 23:169-177.
- **Fetherman, E. R.** 2009. Heritability of myxospore count and the effects of *Myxobolus cerebralis* exposure on the physiological performance of whirling disease resistant and susceptible strains of rainbow trout. M.S. thesis, Department of Fish, Wildlife and Conservation Biology, Colorado State University, Fort Collins, CO.

Special Reports

- **Fetherman, E. R.,** and G. J. Schisler. 2017. Sport Fish Research Studies. Federal Aid Project F-394-R16. Federal Aid in Fish and Wildlife Restoration, Job Progress Report. Colorado Parks and Wildlife, Aquatic Wildlife Research Section. Fort Collins, Colorado.
- **Fetherman, E. R.,** and G. J. Schisler. 2016. Sport Fish Research Studies. Federal Aid in Fish and Wildlife Restoration, Job Progress Report. Colorado Parks and Wildlife, Aquatic Wildlife Research Section. Fort Collins, Colorado.
- **Fetherman, E. R.,** and G. J. Schisler. 2015. Sport Fish Research Studies. Federal Aid in Fish and Wildlife Restoration, Job Progress Report. Colorado Parks and Wildlife, Aquatic Wildlife Research Section. Fort Collins, Colorado.
- **Fetherman, E. R.,** J. M. Lepak, and D. J. Harris. 2015. Optimizing triploid walleye production in Colorado. Colorado Parks and Wildlife, Aquatic Wildlife Research Section. Fort Collins, Colorado.
- **Fetherman, E. R.,** and G. J. Schisler. 2014. Sport Fish Research Studies. Federal Aid in Fish and Wildlife Restoration, Job Progress Report. Colorado Parks and Wildlife, Aquatic Wildlife Research Section. Fort Collins, Colorado.
- Gehr, A., L. Rencoret, S.-Y. Kim, C. Vollmer, and **E. Fetherman.** 2014. Formalin sensitivity in rainbow trout. Department of Mathematics and Statistics, Colorado State University. Fort Collins, Colorado.

- **Fetherman, E. R.**, and G. J. Schisler. 2013. Sport Fish Research Studies. Federal Aid in Fish and Wildlife Restoration, Job Progress Report. Colorado Parks and Wildlife, Aquatic Wildlife Research Section. Fort Collins, Colorado.
- **Fetherman, E. R.**, and G. J. Schisler. 2012. Sport Fish Research Studies. Federal Aid in Fish and Wildlife Restoration, Job Progress Report. Colorado Parks and Wildlife, Aquatic Wildlife Research Section. Fort Collins, Colorado.
- Schisler, G. J., **E. R. Fetherman**, and B. Neuschwanger. 2011. Salmonid Disease Studies. Federal Aid in Fish and Wildlife Restoration, FINAL Progress Report. Colorado Division of Wildlife, Aquatic Wildlife Research Section. Fort Collins, Colorado.
- Schisler, G. J., and **E. R. Fetherman**. 2010. Salmonid Disease Studies. Federal Aid in Fish and Wildlife Restoration, Job Progress Report. Colorado Division of Wildlife, Fish Research Section. Fort Collins, Colorado.
- Schisler, G. J., **E. R. Fetherman**, and P. J. Schler. 2009. Salmonid Disease Studies. Federal Aid in Fish and Wildlife Restoration, Job Progress Report. Colorado Division of Wildlife, Fish Research Section. Fort Collins, Colorado.
- Schisler, G. J., and **E. R. Fetherman**. 2009. Resistant rainbow trout in Colorado: Current status and uses. Colorado Division of Wildlife, Aquatic Research Section Special Report. Fort Collins, Colorado. April 2009.
- Schisler, G. J., **E. R. Fetherman**, and P. J. Schler. 2008. Salmonid Disease Studies. Federal Aid in Fish and Wildlife Restoration, Job Progress Report. Colorado Division of Wildlife, Fish Research Section. Fort Collins, Colorado.
- Schisler, G. J., P. J. Schler, and **E. R. Fetherman**. 2007. Salmonid Disease Studies. Federal Aid in Fish and Wildlife Restoration, Job Progress Report. Colorado Division of Wildlife, Fish Research Section. Fort Collins, Colorado.

Presentations/Posters

- **Fetherman, E. R.**, B. Neuschwanger, T. Davis, C. L. Wells, and A. Kraft. 2018. Erythromycin injections for controlling bacterial kidney disease in Colorado hatcheries. 43rd Annual Meeting of the Western Division of the American Fisheries Society. Anchorage, Alaska. May 24, 2018.
- Avila, B. W., D. L. Winkelman, and **E. R. Fetherman**. 2018. Quality vs. quantity: Manipulating rearing density to increase survival of Rainbow Trout fry pre- and post-stocking. 43rd Annual Meeting of the Western Division of the American Fisheries Society. Anchorage, Alaska. May 24, 2018.
- **Fetherman, E. R.**, B. W. Avila, and J. Ewert. 2018. Whirling disease resistant Rainbow Trout fry stocking in the upper Colorado River. 43rd Annual Meeting of the Western Division of the American Fisheries Society. Anchorage, Alaska. May 24, 2018.
- Avila, B. W., D. L. Winkelman, and **E. R. Fetherman**. 2018. Whirling disease resistant Rainbow Trout fry survival: A comparison of two strains. 43rd Annual Meeting of the Western Division of the American Fisheries Society. Anchorage, Alaska. May 24, 2018.
- Winkelman, D. L., and **E. R. Fetherman**. 2018. Introduction to the symposium on “Fishing for solutions to economically and ecologically important salmonid diseases”. 43rd Annual Meeting of the Western Division of the American Fisheries Society. Anchorage, Alaska. May 24, 2018.
- Richer, E. E., **E. R. Fetherman**, and M. C. Kondratieff. 2018. Haunted rivers: Application of mobile RFID-GPS systems to evaluate the prevalence of ghost PIT tags. 43rd Annual Meeting

of the Western Division of the American Fisheries Society. Anchorage, Alaska. May 24, 2018.

- Avila, B. W., D. L. Winkelman, and **E. R. Fetherman**. 2018. Factors affecting survival of hatchery-reared Rainbow Trout fry in the wild. 2018 Annual Meeting of the CO/WY Chapter of the American Fisheries Society. Laramie, Wyoming. March 1, 2018.
- Avila, B. W., D. L. Winkelman, and **E. R. Fetherman**. 2018. Manipulating rearing density as a strategy for increasing survival of rainbow trout fry pre- and post-stocking. Colorado Cooperative Fish and Wildlife Research Unit Coordinating Committee Meeting, Fort Collins, Colorado. February 22, 2018.
- **Fetherman, E. R.**, B. Neuschwanger, T. Davis, D. Karr, and C. Praamsma. 2018. Comparison of basic trout feeds for rainbow trout. 2018 Annual Meeting of the Colorado Aquaculture Association. Mt. Princeton Hot Springs Resort, Nathrop, Colorado. February 2, 2018.
- **Fetherman, E. R.**, and J. Ewert. 2018. Fry stocking in the upper Colorado River. Colorado Parks and Wildlife 2018 Aquatic Biologist Meeting. Gunnison, Colorado. January 17, 2018.
- Atkinson, B. **E. Fetherman**, and M. Kondratieff. 2018. Comparative survival of whirling disease resistant catchable and fingerling rainbow trout stocked in restored versus impaired reaches of the Yampa River. Colorado Parks and Wildlife 2018 Aquatic Biologist Meeting. Gunnison, Colorado. January 16, 2018.
- Kondratieff, M., **E. Fetherman**, B. Fox, N. Kolden, and K. Kinzli. 2017. Whitewater parks: Implications for fish habitat and fish passage. Annual Meeting of the Western Division of the American Fisheries Society. Missoula, Montana. May 21-25, 2017.
- **Fetherman, E. R.**, B. Neuschwanger, C. Praamsma, and T. Davis. 2017. Comparison of basic trout feeds for rainbow trout. Colorado Parks and Wildlife Hatchery Managers Meeting. Frisco, Colorado. May 9, 2017.
- Avila, B. W., D. L. Winkelman, and **E. R. Fetherman**. 2017. Survival of rainbow trout fry in the wild: a comparison of two whirling disease resistant strains. The Cutthroat Chapter of Colorado Trout Unlimited. Highlands Ranch, CO. March 21, 2017.
- Avila, B. W., D. L. Winkelman, and **E. R. Fetherman**. 2017. Survival of rainbow trout fry in the wild: a comparison of two whirling disease resistant strains. Colorado Cooperative Fish and Wildlife Research Unit, Coordinating Committee Meeting. Colorado State University. Fort Collins, CO. March 2, 2017.
- Hodge, B. W., **E. R. Fetherman**, R. Henderson, and K. B. Rogers. 2017. PIT technology elucidates the biological effectiveness of a fishway. 2017 Annual Meeting of the Colorado/Wyoming Chapter of the American Fisheries Society. Grand Junction, CO. February 22, 2017.
- **Fetherman, E. R.** 2017. Comparison of basic feeds for producing rainbow trout. 2017 Annual Meeting of the Colorado Aquaculture Association. Mt. Princeton Hot Springs, CO. February 3, 2017.
- **Fetherman, E. R.** 2016. Rainbow trout wild and hatchery research projects update. Colorado Parks and Wildlife Hatchery Managers Meeting. Wray, Colorado. September 27, 2016.
- **Fetherman, E. R.**, and B. W. Avila. 2016. Overview of whirling disease-resistant rainbow trout success in Colorado. Colorado Parks and Wildlife Southwest Biology Days. Montrose, Colorado. May 19, 2016.

- Hodge, B, **E. R. Fetherman**, K. B. Rogers, and R. Henderson. 2016. Effectiveness of a fishway for restoring passage of Colorado River cutthroat trout. 2016 Annual Meeting of the Western Division of the American Fisheries Society. Reno, Nevada. March 24, 2016.
- Avila, B. W., D. L. Winkelman, and **E. R. Fetherman**. 2016. Evaluation of whirling disease resistant rainbow trout fry stocking in Colorado. 2016 Annual Meeting of the Western Division of the American Fisheries Society. Reno, Nevada. March 23, 2016.
- Avila, B. W., D. L. Winkelman, and **E. R. Fetherman**. 2016. Evaluation of resistant rainbow trout fry stocking in Colorado. 2016 Annual Meeting of the Colorado/Wyoming Chapter of the American Fisheries Society. Laramie, Wyoming. March 3, 2016.
- **Fetherman, E. R.** 2016. Whirling disease and Colorado's rainbow trout. Whirling disease, cutthroat trout, and river restoration panel discussion (members **E. R. Fetherman**, F. B. Wright, and M. Kondratieff). Cheyenne Mountain Chapter of Trout Unlimited. Colorado Springs, Colorado. February 23, 2016.
- Kopack, C. J., E. D. Broder, **E. R. Fetherman**, J. M. Lepak, and L. M. Angeloni. 2016. Rainbow trout post-stocking survival is not increased by a single exposure to distress cues en route to stocking. Colorado State University 2016 Front Range Student Ecology Symposium. Fort Collins, Colorado. February 23-24, 2016. (awarded CSU Venture Award).
- **Fetherman, E. R.**, and G. J. Schisler. 2016. Hofer rainbow trout research update. 2016 Annual Colorado Aquaculture Association Meeting. Mount Princeton Hot Springs, Colorado. January 29, 2016.
- Avila, B. W., D. L. Winkelman, and **E. R. Fetherman**. 2016. Evaluation of resistant rainbow trout fry stocking in Colorado. 2016 Annual CPW Biologist Meeting. Fort Collins, Colorado. January 21, 2016.
- **Fetherman, E. R.** 2016. Wild rainbow trout brood stock development and maintenance. 2016 Annual CPW Biologist Meeting. Fort Collins, Colorado. January 21, 2016.
- Kopack, C., L. Angeloni, R. Fitzpatrick, D. Broder, and **E. Fetherman**. 2016. Training fish to survive: A hatchery life. 2016 Annual Colorado Parks and Wildlife Plains Fish Research Meeting. Fort Collins, Colorado. January 5, 2016.
- Richer, E., M. Kondratieff, and **E. Fetherman**. 2016. RFID-GPS system development and issues with PIT tag retention. 2016 Annual Colorado Parks and Wildlife Plains Fish Research Meeting. Fort Collins, Colorado. January 5, 2016.
- **Fetherman, E. R.**, G. J. Schisler, and B. W. Avila. 2015. Post-stocking survival of whirling disease resistant rainbow trout, and changes in fish health before and after stocking whirling disease resistant rainbow trout. Continuing Education session of the Western Fish Disease Workshop. Steamboat Springs, Colorado. June 2, 2015.
- **Fetherman, E. R.**, B. Neuschwanger, and C. Praamsma. 2015. Formalin sensitivity of whirling disease-resistant rainbow trout. 2015 Annual Meeting of the Colorado/Wyoming Chapter of the American Fisheries Society. Fort Collins, Colorado. February 25, 2015.
- Avila, B. W., D. L. Winkelman, and **E. R. Fetherman**. 2015. Evaluation of resistant rainbow trout fry stocking in Colorado. 2015 Annual Meeting of the Colorado/Wyoming Chapter of the American Fisheries Society. Fort Collins, Colorado. February 26, 2015.
- Kondratieff, M., C., E. E. Richer, D. Kowalski, **E. R. Fetherman**, and R. B. Nehring. 2015. Influence of stream habitat enhancement on trout and giant stonefly abundance on the Wason Ranch, Rio Grande River, CO. 2015 Annual Meeting of the Colorado/Wyoming Chapter of the American Fisheries Society. Fort Collins, Colorado. February 25, 2015.

- Barnes, T., E. Richer, **E. Fetherman**, and M. Kondratieff. 2015. Incorporating GPS and radio-frequency identification (RFID) technology to evaluate fish movement and habitat utilization. 2015 Annual Meeting of the Colorado/Wyoming Chapter of the American Fisheries Society. Fort Collins, Colorado. February 24-27, 2015.
- Kopack, C. J., E. D. Broder, J. M. Lepak, **E. R. Fetherman**, and L. M. Angeloni. 2015. Chemical cues of predation induce anti-predator behavior in naïve rainbow trout: implications for training hatchery-reared fish. 2015 Annual Meeting of the Colorado/Wyoming Chapter of the American Fisheries Society. Fort Collins, Colorado. February 24-27, 2015.
- **Fetherman, E. R.**, J. B. Stout, and B. W. Avila. 2015. Replacement of Sparquat for New Zealand mudsnail disinfection. Colorado Parks and Wildlife Aquatic Biologist Meeting. Cripple Creek, Colorado. January 22, 2015.
- **Fetherman, E. R.**, and B. W. Avila. 2015. Genetic trends in Hofer-cross survival and reproduction: preliminary results. Colorado Parks and Wildlife Aquatic Biologist Meeting. Cripple Creek, Colorado. January 22, 2015.
- Richer, E. E., **E. R. Fetherman**, and M. C. Kondratieff. 2015. RFID-GPS system development. Colorado Parks and Wildlife Aquatic Biologist Meeting. Cripple Creek, Colorado. January 22, 2015.
- Kondratieff, M. C., E. E. Richer, D. Kowalski, **E. R. Fetherman**, and R. B. Nehring. 2015. Influence of boulder habitat structures on giant stonefly abundance. Colorado Parks and Wildlife Aquatic Biologist Meeting. Cripple Creek, Colorado. January 22, 2015.
- Kowalski, D., Gardunio E. and **E. R. Fetherman**. 2014. Evaluating the effectiveness of an electric fish guidance system on the South Canal of the Gunnison River in Western Colorado. Montrose, Colorado. April 2014.
- Broder, E. D., C. J. Kopack, J. M. Lepak, **E. R. Fetherman**, and L. M. Angeloni. 2014. Chemical cues of predation induce anti-predator behavior in naïve rainbow trout: implications for training hatchery-reared fish. Poster, 2014 Annual Meeting of the Western Division of the American Fisheries Society. Mazatlan, Mexico. April 7-11, 2014.
- Avila, B. W., **E. R. Fetherman**, and D. L. Winkelman. 2014. Raft and floating antenna systems for detecting PIT-tagged fish in rivers. 2014 Annual Meeting of the Colorado/Wyoming Chapter of the American Fisheries Society. Laramie, Wyoming. March 4-6, 2014.
- Wardell, J. A., **E. R. Fetherman**, and S. F. Brinkman. 2014. Dissolved oxygen and formalin tolerance of whirling disease-resistant strains of rainbow trout. 2014 Annual Meeting of the Colorado/Wyoming Chapter of the American Fisheries Society. Laramie, Wyoming. March 4-6, 2014.
- Kopack, C. J., E. D. Broder, J. M. Lepak, **E. R. Fetherman**, and L. M. Angeloni. 2014. Chemical cues of predation induce anti-predator behavior in naïve rainbow trout: implications for training hatchery-reared fish. Poster, 2014 Annual Meeting of the Colorado/Wyoming Chapter of the American Fisheries Society. Laramie, Wyoming. March 4-6, 2014.
- Kopack, C. J., E. D. Broder, J. M. Lepak, **E. R. Fetherman**, and L. M. Angeloni. 2014. Chemical cues of predation induce anti-predator behavior in naïve rainbow trout: implications for training hatchery-reared fish. Poster, Front Range Student Ecology Symposium. Fort Collins, CO. February 19, 2014. Best undergraduate poster award.

- **Fetherman, E. R.**, J. M. Lepak, C. J. Kopack, E. D. Broder, and L. M. Angeloni. 2014. Chemical cues of predation induce anti-predator behavior in Hofer rainbow trout. 2014 Annual Meeting of the Great Plains Fisheries Workers Association. Loveland, CO. February 4, 2014.
- **Fetherman, E. R.** 2013. Whirling disease resistant rainbow trout introductions. 2013 Annual Meeting of the Colorado Cooperative Fish and Wildlife Research Unit Coordinating Committee Meeting. Fort Collins, Colorado. April 23, 2013.
- **Fetherman, E. R.**, D. L. Winkelman, K. Davies, and B. W. Avila. 2013. Estimating survival and movement rates of PIT-tagged salmonids in the Cache la Poudre River, Colorado. 2013 Annual Meeting of the Western Division of the American Fisheries Society. Boise, Idaho. April 18, 2013.
- **Fetherman, E. R.** and G. J. Schisler. 2013. Hofer rainbow trout: Uses and management in Colorado. Colorado Parks and Wildlife 2013 Southeast Region Biology Days. Pueblo, Colorado. April 18, 2013.
- **Fetherman, E. R.**, D. L. Winkelman, K. Davies, and B. W. Avila. 2013. Survival and movement rates of brown trout and reintroduced, whirling disease-resistant rainbow trout in the Cache la Poudre River. 2013 Annual Meeting of the Colorado/Wyoming Chapter of the American Fisheries Society. Fort Collins, Colorado. February 25-27, 2013.
- **Fetherman, E. R.** and G. J. Schisler. 2013. Hofer rainbow trout: Uses and management in Colorado. Colorado Parks and Wildlife 2013 Northeast Region Biology Days. Denver, Colorado. February 1, 2013.
- **Fetherman, E. R.** 2013. Whirling disease resistant rainbow trout introductions: What have we learned? Colorado Parks and Wildlife Aquatic Biologist Meeting. Steamboat Springs, Colorado. January 24, 2013.
- **Fetherman, E. R.** 2012. Whirling disease resistant rainbow trout introductions and management. Departmental Seminar for the Department of Fish, Wildlife and Conservation Biology, Colorado State University. Fort Collins, Colorado. December 7, 2012.
- **Fetherman, E. R.**, and G. J. Schisler. 2012. Whirling disease resistant rainbow trout strain development and uses in Colorado. 2012 Annual Meeting of the U.S. Trout Farmers Association. Denver, Colorado. September 7, 2012.
- **Fetherman, E. R.**, and G. J. Schisler. 2012. Whirling disease resistant rainbow trout: Recovering Colorado's rainbow trout populations. 2012 Annual Meeting of the American Fisheries Society Fish Health Section. La Crosse, Wisconsin. August 2, 2012.
- **Fetherman, E. R.** 2012. Tracking fish survival and movement using stationary and portable PIT tag antenna arrays. Colorado Parks and Wildlife 2012 Southwest Region Biology Days. Gunnison, Colorado. May 2, 2012.
- Kowalski, D., **E. R. Fetherman**, G. J. Schisler, and R. B. Nehring. 2012. Introduction of whirling disease resistant rainbow trout in the Gunnison River, Colorado. Colorado Parks and Wildlife 2012 Southwest Region Biology Days. Gunnison, Colorado. May 2, 2012.
- **Fetherman, E. R.** 2012. Whirling disease: life cycle, disease signs, and impacts to Colorado's fisheries. Whirling Disease Panel Discussion (members E. R. Fetherman, K. Davies, and P. Walker). Colorado State University student chapter of the Wildlife Disease Association. Fort Collins, Colorado. April 5, 2012.
- Kowalski, D., **E. R. Fetherman**, G. J. Schisler, and R. B. Nehring. 2012. Introduction of whirling disease resistant rainbow trout in the Gunnison River, Colorado. 2012 Annual

Meeting of the Western Division of the American Fisheries Society. Jackson, Wyoming. March 26-29, 2012.

- **Fetherman, E. R.**, D. L. Winkelman, G. J. Schisler, L. Bailey, and W. L. Kendall. 2012. Multistate modeling approach for analyzing survival and movement of Radio Frequency Identification (RFID) PIT tagged trout in rivers. 2012 Annual Meeting of the Western Division of the American Fisheries Society. Jackson, Wyoming. March 26-29, 2012.
- **Fetherman, E. R.**, and G. J. Schisler. 2012. Whirling disease resistant rainbow trout 2011 project updates. Annual Meeting of the Colorado Aquaculture Association. Mt. Princeton Hot Springs, Colorado. February 3, 2012.
- **Fetherman, E. R.** 2012. Brown trout removal, rainbow trout stocking, and PIT tags. Colorado Parks and Wildlife Aquatic Biologist Meeting. Fort Collins, Colorado. January 18, 2012.
- **Fetherman, E. R.**, D. L. Winkelman, G. J. Schisler, L. Bailey, and W. L. Kendall. 2011. Multistate modeling approach for analyzing survival and movement of Radio Frequency Identification (RFID) PIT tagged trout in rivers. National American Fisheries Society Annual Meeting. Seattle, Washington. September 4-9, 2011.
- **Fetherman, E. R.**, D. L. Winkelman, and G. J. Schisler. 2011. Brown trout removal in the Cache la Poudre River, Colorado: Managing whirling disease resistant rainbow trout introductions in brown trout dominated streams. National American Fisheries Society Annual Meeting. Seattle, Washington. September 4-9, 2011.
- **Fetherman, E. R.**, D. L. Winkelman, G. J. Schisler, K. Davies, and K. Kehmeier. 2011. Brown trout removal in the Cache la Poudre River: The next step in whirling disease resistant rainbow trout management. 2011 Annual Meeting of the Colorado-Wyoming Chapter of the American Fisheries Society and the Colorado Chapter of The Wildlife Society. Fort Collins, Colorado. February 22-25, 2011.
- **Fetherman, E. R.**, K. Davies, G. J. Schisler, K. Kehmeier, and D. L. Winkelman. 2011. Demented fish racists: Analyzing rainbow trout introductions in brown trout dominated streams. Great Plains Fishery Workers Association Meeting. Sidney, Nebraska. February 2, 2011.
- **Fetherman, E. R.**, D. L. Winkelman, and G. J. Schisler. 2011. Whirling disease resistant rainbow trout in Colorado: Introductions, monitoring, and brown trout removal. Annual Meeting of the Colorado Aquaculture Association. Mt. Princeton Hot Springs, Colorado. January 21, 2011.
- **Fetherman, E. R.**, K. Davies, D. Kowalski, and G. J. Schisler. 2011. Brown trout removal project update. Colorado Division of Wildlife Aquatic Biologist Meeting. Cripple Creek, Colorado. January 18, 2011.
- Stacy, W., J. Lepak, K. Kinzli, **E. Fetherman**, W. Pate, A. Hansen, E. Gardunio, C. Cathcart, and Z. Underwood. 2010. Manipulation of sport fish growth to reduce mercury bioaccumulation on a whole-lake scale. Western Division American Fisheries Society Student Colloquium. Moscow, Idaho. December 2010.
- **Fetherman, E. R.** 2010. Brown trout removal in the Cache la Poudre River: The next step in whirling diseases resistant rainbow trout management? Bi-weekly meeting of the Colorado State University student chapter of the American Fisheries Society. Fort Collins, Colorado. October 20, 2010.
- **Fetherman, E. R.**, D. L. Winkelman, and G. J. Schisler. 2010. Whirling disease resistant rainbow trout 2009 project update. Whirling Disease Symposium. 2010 Annual Meeting of

the Western Division of the American Fisheries Society. Salt Lake City, Utah. April 19-23, 2010.

- Lepak, J. M., W. M. Pate, C. N. Cathcart, **E. R. Fetherman**, K. D. Kinzli, M. M. Brandt, W. L. Stacy, Z. E. Underwood, E. I. Gardunio, and A. G. Hansen. 2010. Manipulation of sport fish growth to reduce mercury bioaccumulation on a whole-lake scale. Poster (**E. R. Fetherman** presenter), 2010 Annual Meeting of the Western Division of the American Fisheries Society. Salt Lake City, Utah. April 19-23, 2010. (Best Poster Award)
- Schisler, G. J., and **E. R. Fetherman**. Post-release evaluation of resistant rainbow trout. Whirling Disease Symposium. 2010 Annual Meeting of the Western Division of the American Fisheries Society. Salt Lake City, Utah. April 19-23, 2010.
- **Fetherman, E. R.**, D. L. Winkelman, and G. J. Schisler. 2010. Whirling disease resistant rainbow trout 2009 project update. 2010 Annual Meeting of the Colorado-Wyoming Chapter of the American Fisheries Society. Laramie, Wyoming. March 1-3, 2010.
- Lepak, J. M., W. M. Pate, C. N. Cathcart, **E. R. Fetherman**, K. D. Kinzli, M. M. Brandt, W. L. Stacy, Z. E. Underwood, E. I. Gardunio, and A. G. Hansen. 2010. Manipulation of sport fish growth to reduce mercury bioaccumulation on a whole-lake scale. Poster, 2010 Annual Meeting of the Colorado-Wyoming Chapter of the American Fisheries Society. Laramie, Wyoming. March 1-3, 2010.
- Schisler, G. J., and **E. R. Fetherman**. Post-release evaluation of resistant rainbow trout. Annual Meeting of the Colorado Aquaculture Association. Mt. Princeton Hot Springs, Colorado. January 22, 2010.
- **Fetherman, E. R.**, and G. J. Schisler. 2010. Whirling disease resistant rainbow trout 2009 project update. Annual Meeting of the Colorado Aquaculture Association. Mt. Princeton Hot Springs, Colorado. January 22, 2010.
- **Fetherman, E. R.**, D. L. Winkelman, and G. J. Schisler. 2009. Heritability of myxospore count and genetic correlations in whirling disease resistant and susceptible strains of rainbow trout. 2009 Annual Meeting of the Western Division of the American Fisheries Society. Albuquerque, New Mexico. May 3-7, 2009.
- Lepak, J. M., W. M. Pate, C. N. Cathcart, **E. R. Fetherman**, K. D. Kinzli, M. M. Brandt, W. L. Stacy, and Z. E. Underwood. 2009. Manipulation of sport fish growth to reduce mercury bioaccumulation on a whole-lake scale. Poster, 2009 Annual Meeting of the Western Division of the American Fisheries Society. Albuquerque, New Mexico. May 3-7, 2009.
- **Fetherman, E. R.**, D. L. Winkelman, and G. J. Schisler. 2009. Heritability of myxospore count and genetic correlations in whirling disease resistant and susceptible strains of rainbow trout. 2009 Annual Meeting of the Colorado-Wyoming Chapter of the American Fisheries Society. Loveland, Colorado. February 23-26, 2009.
- Lepak, J. M., W. M. Pate, C. N. Cathcart, **E. R. Fetherman**, K. D. Kinzli, M. M. Brandt, W. L. Stacy, and Z. E. Underwood. Manipulation of sport fish growth to reduce mercury bioaccumulation on a whole-lake scale. Poster, 2009 Colorado-Wyoming American Fisheries Society Meeting. Loveland, Colorado. February 23-26, 2009.
- Schisler, G.J., J. Ewert, B. Atkinson, K. Rogers, K. Thompson, R. B. Nehring, and **E. R. Fetherman**. 2009. Whirling disease resistant rainbow trout: Colorado River project update. 15th Annual Whirling Disease Symposium: Conserving Coldwater Fisheries. Denver, Colorado. February 5-6, 2009.
- **Fetherman, E. R.**, D. L. Winkelman, and G. J. Schisler. 2009. Physiological effects of whirling disease and heritability of myxospore count in susceptible and resistant strains of

rainbow trout. 15th Annual Whirling Disease Symposium: Conserving Coldwater Fisheries. Denver, Colorado. February 5-6, 2009.

- Schisler, G. J., J. Ewert, B. Atkinson, K. Rogers, K. Thompson, R. B. Nehring, and **E. R. Fetherman**. 2009. Whirling disease resistant rainbow trout: Colorado River project update. Annual Meeting of the Colorado Aquaculture Association. Mt. Princeton Hot Springs, Colorado. January 26, 2009.
- **Fetherman, E. R.**, D. L. Winkelman, and G. J. Schisler. 2009. Physiological effects of whirling disease and heritability of myxospore count in susceptible and resistant strains of rainbow trout. Annual Meeting of the Colorado Aquaculture Association. Mt. Princeton Hot Springs, Colorado. January 26, 2009.
- **Fetherman, E. R.** 2008. The physiological effects of whirling disease in resistant and susceptible crosses of rainbow trout. Departmental Seminar for the Department of Fish, Wildlife and Conservation Biology, Colorado State University. Fort Collins, Colorado. September 12, 2008.
- **Fetherman, E. R.** 2008. Whirling disease and Colorado's rainbow trout. Pingree Park Alumni Reunion. Pingree Park, Colorado. August 9, 2008.
- **Fetherman, E. R.**, G. J. Schisler, and D. L. Winkelman. 2008. Whirling disease and the Colorado River. Special Meeting of the Chimney Rock Ranch Fishing Club. Denver, Colorado. July 13, 2008.
- **Fetherman, E. R.**, D. L. Winkelman, and G. J. Schisler. 2008. The physiological effects of whirling disease in resistant and susceptible crosses of rainbow trout. 2008 Annual Meeting of the Western Division of the American Fisheries Society. Portland, Oregon. May 4-8, 2008.
- **Fetherman, E. R.**, D. L. Winkelman, and G. J. Schisler. 2008. The physiological effects of whirling disease in resistant and susceptible crosses of rainbow trout. 2008 Annual Meeting of the Colorado-Wyoming Chapter of the American Fisheries Society. Cheyenne, Wyoming. March 3-7, 2008.
- Schisler, G. J., D. A. Kowalski, **E. R. Fetherman**, B. Atkinson, and R. B. Nehring. 2008. Wild rainbow trout recovery efforts in Colorado: Project updates. 14th Annual Whirling Disease Symposium: Solving the Puzzle. Denver, Colorado. February 4-5, 2008.
- **Fetherman, E. R.**, D. L. Winkelman, and G. J. Schisler. 2008. The physiological effects of whirling disease in resistant and susceptible crosses of rainbow trout. 14th Annual Whirling Disease Symposium: Solving the Puzzle. Denver, Colorado. February 4-5, 2008.
- Schisler, G. J., D. A. Kowalski, **E. R. Fetherman**, B. Atkinson, and R. B. Nehring. 2008. Wild rainbow trout recovery efforts in Colorado: Project Updates. Annual Meeting of the Colorado Aquaculture Association. Mt. Princeton Hot Springs, Colorado. January 18, 2008.
- **Fetherman, E. R.**, D. L. Winkelman, and G. J. Schisler. 2008. The physiological effects of whirling disease in resistant and susceptible crosses of rainbow trout. Annual Meeting of the Colorado Aquaculture Association. Mt. Princeton Hot Springs, Colorado. January 18, 2008.
- **Fetherman, E. R.**, and G. J. Schisler. 2007. Inheritance of *Myxobolus cerebralis* resistance among second generation crosses between the Hofer and Colorado River Rainbow trout strains. 2007 Annual Meeting of the Colorado-Wyoming Chapter of the American Fisheries Society. Fort Collins, Colorado. February 26-March 1, 2007.
- **Fetherman, E. R.**, and G. J. Schisler. 2007. Inheritance of *Myxobolus cerebralis* resistance among second generation crosses between the Hofer and Colorado River Rainbow trout strains. 13th Annual Whirling Disease Symposium: Resistance on Two Fronts. Denver, Colorado. February 12-13, 2007.

- **Fetherman, E. R.,** M. R. Douglas, and M. E. Douglas. 2005. Phylogeography of the bluehead sucker (*Catostomus discobolus*) in the Lower Colorado River basin. 2005 Annual Meeting of the Colorado-Wyoming Chapter of the American Fisheries Society. Fort Collins, Colorado. February 23, 2005.

Guest Lectures/Labs

- Colorado State University:
 - Fish Culture (FW 402). Spring 2008, 2009, 2010. Genetics in Fishery Management.
 - Introduction to Fishery Biology (FW204). Fall 2010. Managing Colorado's Fisheries with Whirling Disease.
 - Principles of Wildlife Management (FW260). Fall 2017. Colorado Parks and Wildlife Sport Fish Research Studies.
- Front Range Community College:
 - Introduction to Fishery Biology. Spring 2013, 2014, 2015, 2016, 2017, 2018. Salmonid Disease Research in Colorado.
 - Introduction to Fishery Biology Laboratory. Spring 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018. Fish Tagging Methods.
- RAS certified continuing education presenter at the 56th Annual Western Fish Disease Workshop. Steamboat Springs, Colorado. June 2015.

Awards

- 2015 Federal Aid in Sport Fish Restoration Award, Fisheries Research and Surveys Category. For: Investigation of methods to improve spawning, rearing, and survival of sport fish species in hatcheries and in the wild. American Fisheries Society, Fisheries Administration Section.

Peer Reviews

- Transactions of the American Fisheries Society. January 2017.
- Biological Invasions. October 2016.
- Austrian Science Fund. February 2016.
- North American Journal of Fisheries Management. December 2013, February 2016, June 2017.
- Proceedings of the National Academy of Sciences, India Section B: Biological Sciences. October 2012, November 2012, January 2014, April 2015.
- Diseases of Aquatic Organisms. October 2015.
- Canadian Journal of Fisheries and Aquatic Sciences. April 2013, January 2018.
- Journal of Aquatic Animal Health. March 2013, January 2017.

Popular Articles/News

- Whatever happened to whirling disease? Author: Mary Taylor Young. Colorado Outdoors 2018 Fishing Guide. A Colorado Department of Natural Resources and Colorado Parks and Wildlife publication. June 2018.
- Building a better rainbow trout: Colorado biologists on breeding blitz to revive species ravaged by whirling disease. Author: Bruce Finley. Denver Post. March 4, 2018.
- Cache la Poudre River, CO: Wild Trout. Author: Ken Proper. Southwest Fly Fishing Magazine. October 2017.

- Taste-Tested Recipes for Your next Rainbow Trout Cookout. Author: Alicia Cohn. Colorado Outdoor Blog. Posted on November 21, 2016.
- The 'Bows are Back! Author: Joe Lewandowski. Colorado Outdoors 2015 Fishing Guide. A Colorado Department of Natural Resources and Colorado Parks and Wildlife publication. June 2015.
- Rainbow Trout Experiment on Poudre River shows Promise. Author: Cherry Sokoloski. North Forty News. LaPorte, Colorado. August 18, 2011.
- Rainbow Trout Experiment 'Promising' for Poudre. Author: Cherry Sokoloski. North Forty News. LaPorte, Colorado. December 3, 2010.
- Researchers Try to Help Trout in the Poudre River. Author: Mike Hooker. CBS 4 NEWS. Denver, Colorado. Aired: August 19, 2010.
- Summer Experiment Could Help Reestablish Rainbows. Author: Cherry Sokoloski. North Forty News. LaPorte, Colorado. July 1, 2010.
- CSU Student Guiding Rainbow Revival. Author: Adam Chodak. Fort Collins Coloradoan. Fort Collins, Colorado. June 13, 2008.
- CSU Student Guiding Rainbow Revival. Author: Adam Chodak. 9NEWS. Denver, Colorado. Aired: June 12, 2008.
- Combating Whirling Disease. Author: Manny Sotelo. 9NEWS. Denver, Colorado. Aired: March 18, 2008.

Additional Training

- Rosgen Level 1 Course: Applied Fluvial Geomorphology. Estes Park, Colorado. August 25-29, 2014.
- USFWS Project Leaders Course. Fort Collins, Colorado. February 23-24, 2014.
- Fish Health Management Course (online). Michigan State University, College of Veterinary Medicine, Aquatic Animal Health Program. March 2012-January 2015.
 - Level 1: March 2012-August 2013.
 - Level 2: August 2013-January 2014.
 - Level 3: January 2015.

Information-Theoretic Approach to Experimental Design and Data Analysis. Presented by David R. Anderson. Colorado State University. Fort Collins, Colorado. November 21, 2009.