

## CPW Aquatic Research Publications, Reports and Presentations 2016-2017

### Publications

- Bestgen, K. R., H. J. Crockett, M. R. Haworth, and **R. M. Fitzpatrick**. 2016. Production of nonadhesive eggs by flathead chub and implications for downstream transport and conservation. *Journal of Fish and Wildlife Management* 7:434-443.
- Broms, K. M., M. B. Hooten, and **R. M. Fitzpatrick**. 2016. Model selection and assessment for multi-species occupancy models. *Ecology* 97:1759-1770.
- **Cadmus, P.**, J. P. F. Pomeranz and J. M. Kraus. 2016. Low-cost floating emergence net and bottle trap: comparison of two designs. *Journal of Freshwater Ecology*. 31:653-658.
- **Cadmus P.**, Clements W.H., Williamson J.L., Ranville J.F., Meyer J.S., Gutierrez Gines M.J. 2016. The Use of Field and Mesocosm Experiments to Quantify Effects of Physical and Chemical Stressors in Mining-Contaminated Streams. *Environmental Science and Technology*. 50:7825-7833
- **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.
- **Hansen, A. G.**, J. G. Gardner, D. A. Beauchamp, R. Paradis, T. P. Quinn. 2016. Recovery of sockeye salmon in the Elwha River, Washington after dam removal: dependence of smolt production on the resumption of anadromy by landlocked kokanee. *Transactions of the American Fisheries Society* 145:1303-1317.
- 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.
- **Nehring, R.B. G. J. Schisler**, L. Chiamonte, A. Horton and B. Poole. 2016. Accelerated deactivation of *Myxobolus cerebralis* myxospores by susceptible and non-susceptible *Tubifex tubifex*. *Diseases of Aquatic Organisms* 121(1):37-47.
- Penaluna, B. E. A. Abadía-Cardoso, J. B. Dunham, F. J. García-Dé León, R. E. Gresswell, A. Ruiz Luna, E. B. Taylor, B. B. Shepard, R. Al-Chokhachy, C. C. Muhlfeld, K. R. Bestgen, **K. B. Rogers**, M. A. Escalante, E. R. Keeley, G. M. Temple, J. E. Williams, K. R. Matthews, R. Pierce, R. L. Mayden, R. P. Kovach, J. C. Garza, and K. D. Fausch. 2016. Conservation of native Pacific trout diversity in western North America. *Fisheries* 41:286-300.

- Purdy, P., E.A. Barbosa, **C. J. Praamsma**, and **G. J. Schisler**. 2016. Modification of trout sperm membranes associated with activation and cryopreservation. Implications for fertilizing potential. *Cryobiology* 2016, <http://dx.doi.org/10.1016/j.cryobiol.2016.05.008>
- Sorel, M. H., **A. G. Hansen**, K. A. Connelly, and D. A. Beauchamp. 2016. Trophic feasibility of reintroducing anadromous salmonids in three reservoirs on the North Fork Lewis River, Washington: prey supply and consumption demand of resident fishes. *Transactions of the American Fisheries Society* 145:1331-1347.
- Sorel, M. H., **A. G. Hansen**, K. A. Connelly, A. C. Wilson, E. D. Lowery, and D. A. Beauchamp. 2016. Predation by northern pikeminnow and tiger muskellunge on juvenile salmonids in a high-head reservoir: implications for anadromous fish reintroductions. *Transactions of the American Fisheries Society* 145:521-536.

## Publications *In Press* or *In review*

- Borin, J. M., M. L. Moser, **A. G. Hansen**, C. Donoghue, D. A. Beauchamp, C. Pruitt, S. C. Corbett, J. L. Ruesink, and B. Dumbauld. *In review*. Energetic requirements of the North American green sturgeon (*Acipenser medirostris*) feeding on burrowing shrimp (*Neotrypaea californiensis*) in estuaries: importance of temperature, reproductive investment, and residence time. *Environmental Biology of Fishes*.
- Budy, P., **K. B. Rogers**, Y. Kanno, B. Penaluna, N. P. Hitt, G. P. Thiede, J. Dunham, C. Mellison, W. L. Somer. *In review*. Distribution and status of trouts and chars in North America. Pages in J. L. Kershner, J. E. Williams, R. E. Gresswell, and J. Lobon-Cervia, editors. *Diversity and status of trouts and chars of the world*. American Fisheries Society, Bethesda, Maryland.
- Ficke, A.D., C.A. Myrick, and **M.C. Kondratieff**. *In review*. A predictive model of swimming ability for small-bodied Great Plains Fishes. *Journal of Ecohydraulics*.
- Fraser, G. S., D. L. Winkelman, K. R. Bestgen, and **K. G. Thompson**. *In press*. Flannelmouth and Bluehead Sucker tributary use in the upper White River Drainage, Colorado. *Transactions of the American Fisheries Society*.
- Gibson-Reinemer, D. K., F. J. Rahel, S. E. Albeke, and **R. M. Fitzpatrick**. *In press*. Natural and anthropogenic barriers to climate tracking in river fishes along a mountain-plains transition zone. *Diversity and Distributions*.
- Hodge, B., K. Battige, **K. B. Rogers**. *In press*. Seasonal and temperature-related movement of Colorado River cutthroat trout in a low-elevation, Rocky Mountain stream. *Ecology and Evolution*
- Hooley-Underwood, Z.E., S.B. Stevens, and **Thompson, K. G.** *In press*. Short-term PIT tag retention in wild populations of Bluehead and Flannelmouth suckers. *North American Journal of Fisheries Management*.
- Herrmann, S, D. Nimmo, J. Carsella, C. Kennedy, **K. B. Rogers**, J. Wood, L. H. Hoelsing, and B. V. Heuvel. *In review*. Mercury and selenium in tissues of cutthroat trout from pristine lakes in Colorado (USA): A comparison of sites, bioaccumulation factors, molar ratios, and benchmarks. *Archives of Environmental Contamination and Toxicology*.
- Love-Stowell, S., **K. B. Rogers**, **S. Brinkman**, and A. Martin. *In review*. Genomics of inbreeding depression in a rare cutthroat trout. *Journal of Heredity*.
- Mandeville, E.G., T.L. Parchman, **K.G. Thompson**, R.I. Compton, K.R. Gelwicks, S.J. Song, and C.A. Buerkle. *In review*. Interactions between *Catostomus* fish species reveal inconsistent reproductive isolation. *Evolution Letters*.

- Johnson, B. M., W. M. Pate, and **A. G. Hansen**. *In review*. Energy density and dry matter content in fish: new observations and an evaluation of some empirical models. Transactions of the American Fisheries Society.
- Litz, M. N. C., J. A. Miller, R. D. Brodeur, E. A. Daly, L. A. Weitkamp, and **A. G. Hansen**. *In review*. Energy dynamics of subyearling Chinook salmon reveal the importance of piscivory to short term growth during early marine residence. Fisheries Oceanography.
- **Richer, E. E., E. R. Fetherman, M. C. Kondratieff,** and T. A. Barnes. *In review*. Incorporating GPS and mobile radio frequency identification to detect PIT-tagged fish and evaluate habitat utilization in streams. Submitted to the North American Journal of Fisheries Management.

### Special Reports and White Papers

- Broms, K. M. and **R. M. Fitzpatrick**. 2016. A procedure manual for optimal adaptive sampling design for multiple species of plains fishes in eastern Colorado. Colorado Parks and Wildlife, Aquatic Wildlife Research Section, Fort Collins, Colorado.
- **Cadmus, P.,** A. L. Jefferson. 2016. Water Pollution Studies. Federal Aid Project F-243-R23, Colorado Parks and Wildlife, Aquatic Wildlife Research Section. Fort Collins, Colorado.
- Clark, C. P., S. Ball, S. Burgess, **A. G. Hansen,** and D. A. Beauchamp. 2017. Growth, distribution, and abundance of pelagic fishes in Lake Washington: March and October 2016. Final report to Seattle Public Utilities. 39 pages.
- **Fetherman, E. R.** 2016. Whirling disease resistant rainbow trout fry stocking evaluations. Western Division of the American Fisheries Society Newsletter, The Tributary. Volume 40, Issue 2. Summer 2016.
- **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**. 2016. Hofer rainbow trout research update. The Fishline, Official Publication: Colorado Aquaculture Association. Volume XVIII No. 1. Spring 2016.
- **Hansen, A. G.** 2016. Summer profundal index netting for tracking trends in the abundance of lake trout in coldwater lakes and reservoirs of Colorado: results from 2016. Summary report, Colorado Parks and Wildlife, Lake and Reservoir Research. 6 pages.
- **Hansen, A. G.** 2016. Model evaluation of a reduced maximum length limit for lake trout removal in Blue Mesa Reservoir, Colorado. Summary report, Colorado Parks and Wildlife, Lake and Reservoir Research. 6 pages.

- **Hansen, A. G.**, and E. I. Gardunio. 2017. Dynamics of an increasing smallmouth bass population in an oligotrophic reservoir: implications for invasive species control through incentive-based harvest. Progress report, Colorado Parks and Wildlife, Lake and Reservoir Research. 20 pages.
- **Hansen, A. G.**, M. Polacek, K. A. Connelly, J. R. Gardner, and D. A. Beauchamp. 2017. Food web interactions in Kachess and Keechelus Reservoirs, Washington: implications for threatened adfluvial bull trout and management of water storage. Final report to Washington Department of Ecology. 67 pages.
- **Kondratieff, M. C.** and **E. E. Richer.** 2016. Stream Habitat Investigations and Assistance. Federal Aid Project F-161-R22. Colorado Parks and Wildlife, Aquatic Research Section. Fort Collins, Colorado.
- **Kowalski, D. A.** 2016. Colorado River Aquatic Resource Investigations. Federal Aid Project F-237-R21. Colorado Parks and Wildlife, Aquatic Wildlife Research Section. Fort Collins, Colorado.
- **Kowalski, D. A.** 2017. Evaluation of an Electric Fish Barrier on the South Canal, an Irrigation Ditch on the Lower Gunnison River, Colorado. Final Report, Colorado Parks and Wildlife, Aquatic Wildlife Research Section. Fort Collins, Colorado.
- **Richer, E. E.** 2016. Gunnison River and riparian rehabilitation project: floodplain analysis and preliminary design report. Colorado Parks and Wildlife, Aquatic Research Section. Fort Collins, Colorado.
- **Richer, E. E.**, E. A. Gates, A. T. Herdrich, and **M. C. Kondratieff.** 2017. Upper Arkansas River habitat restoration project: 2013-2015 monitoring report. Colorado Parks and Wildlife Technical Publication 49, Fort Collins, Colorado.
- **Thompson, K.G.** 2017. Three-Species Investigations. Progress Report. Colorado Parks and Wildlife, Three-Species Research. Fort Collins, CO.

## Internal Presentations

- Bakich, K. R., and **M. C. Kondratieff**, January 18, 2017. Angler Attitudes and Behavior in Relation to Whitewater Parks on Two Colorado Rivers. CPW Aquatic Biologist Meeting, Silverthorne, Colorado, January 18, 2017.
- **Cadmus P.**, January 18, 2017. Techniques and tools for response to spills, fish kills and chemical threats to fisheries. CPW Aquatic Biologist Meeting, Silverthorne, Colorado, January 18, 2017.
- Duggan, S. B., W. H. Clements, L. M. Martin and **P. Cadmus**. Effects of Petroleum Hydrocarbons on Stream Communities. Colorado Parks and Wildlife Southwest Biology Days. Montrose, Colorado. May 19, 2016.
- Duggan, S. B., W. H. Clements, L. M. Martin and **P. Cadmus**. Effects of Petroleum Hydrocarbons on Stream Communities. Colorado Parks and Wildlife (Northwest Regional Staff). January, 2016.
- Duggan, S. B., W. H. Clements, L. M. Martin and **P. Cadmus**. Effects of Petroleum Hydrocarbons on Stream Communities. Colorado Parks and Wildlife (Senior Staff). December, 2015.
- **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.
- **Fitzpatrick, R. M.** 2017. Optimal adaptive plains fish sampling design. Colorado Parks and Wildlife Annual Aquatic Biologist's Meeting. Frisco, CO.
- **Hansen, A. G.** 2017. Model evaluation of an incentive-based fishing tournament for smallmouth bass in Ridgway Reservoir, Colorado. Presentation to Area 18 CPW representatives. Montrose, Colorado. February 27<sup>th</sup>, 2017.
- **Kondratieff, M. C.** 2016. Whitewater park hydraulics: Implications for fish and fisheries. South West Biology Days, Montrose, Colorado, May 18, 2016.
- **Kowalski, D.A.** 2017. Surveying Colorado's Sport Fisheries for *R. salmoninarum*, the Causative Agent of Bacterial Kidney Disease. Colorado Parks and Wildlife Aquatic Biologist Meeting, Silverthorne, Colorado, January 18, 2017.
- **Kowalski, D.A.** 2017. Aquatic Research Section Projects Update and Research Survey Results. Colorado Parks and Wildlife Area 18 Meeting, March 8, 2017 Gateway Colorado.

- **Rogers, K. B.** 2016. What's new with cutthroat trout: rise of the Green Lineage. SW Biology Days, Montrose, Colorado, May 19, 2016.
- **Rogers, K. B.** 2016. More on cutthroat trout taxonomy: rise of the Green Lineage. DWM trainee pack trip, Bellaire, Colorado, August 8, 2016.
- **Rogers, K. B.** 2017. Status and conservation of Green Lineage cutthroat trout: a plea for reclamations. Aquatic Biologists meeting, Frisco, Colorado, January 18, 2017.
- **Treble, A.J.** 2017. Update from Aquatic Research Data Analyst. Colorado Parks and Wildlife Annual Aquatic Biologist's Meeting. Frisco, CO
- **Thompson, K. G.,** M. R. Schwemm, T. F. Turner, M. J. Osborne, and E. W. Carson. 2016. Genetic contribution of native and introduced catostomids to larval drift in experimental and control streams of the Gunnison River Basin, CO. Area 6, Meeker, Colorado. February 9, 2016.
- **Thompson, K. G.,** M. R. Schwemm, T. F. Turner, M. J. Osborne, and E. W. Carson 2016. Genetic contribution of native and introduced catostomids to larval drift in experimental and control streams of the Gunnison River Basin, CO. Area 7, Collbran, Colorado. March 10, 2016.
- **Thompson, K. G.,** M. R. Schwemm, T. F. Turner, M. J. Osborne, and E. W. Carson 2016. Genetic contribution of native and introduced catostomids to larval drift in two tributaries of the Gunnison River Basin, CO. Southwest Region Biology Days, Montrose, Colorado. May 19, 2016.
- **Thompson, K. G.,** Z. E. Hooley-Underwood, and S. B. Stevens. 2017. Short-term retention of PIT tags in Catostomid suckers through a spawning event. Annual CPW Biologists Meeting. Frisco, CO. January 18, 2017.

## External Presentations

- 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.
- 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. Littleton, CO. March 21, 2017.
- Bakich, K. R., and **M.C. Kondratieff**, 2017. Angler Attitudes and Behavior in Relation to Whitewater Parks on Two Colorado Rivers. Joint Meeting of Utah and Colorado/Wyoming Chapters of the American Fisheries Society. Grand Junction, Colorado. February 23, 2017.
- Bestgen, K. R. (presenter), **K. G. Thompson (presenter)**, T. Wilcox, K. Zelasko, and J. Fowler. 2016. Western catostomid identification workshop. Half-Day continuing education workshop, 2016 Annual Meeting of Colorado-Wyoming Chapter American Fisheries Society. Laramie, Wyoming. March 1, 2016.
- Broms, K. M., M. B. Hooten, and **R. M. Fitzpatrick**. 2016. Optimal adaptive sampling design for occupancy monitoring. International Statistical Ecology Conference. Seattle, WA. July 1, 2016.
- Duggan, S. B., **P. Cadmus** and W. H. Clements. Toxic Effects of a Complex Metal Mixture on Aquatic Insects across Multiple Levels of Biological Organization. Society for Environmental Toxicology and Chemistry of North America. Salt Lake City, UT. November, 2015.
- Duggan, S. B., W. H. Clements, L. M. Martin and **P. Cadmus**. Effects of Petroleum Hydrocarbons on Stream Communities. National Resource Damage Assessment and Restoration Program Trustee Council for West Creek. Webinar. January 2017.
- Duggan, S. B., W. H. Clements, L. M. Martin and **P. Cadmus**. Effects of Petroleum Hydrocarbons on Stream Communities. Trout Unlimited of Western Colorado. April, 2016.
- **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.
- Fresques, T. (presenter), **K. G. Thompson**, and R. Japuntich. 2017. Removing barriers: An example for 3 species in Tabeguache Creek, Colorado. Colorado-Wyoming and Utah chapters of American Fisheries Society, Joint Annual Meeting. Grand Junction, CO. February 23, 2017.



- Gates, E. A., **E. E. Richer**, A. T. Herdrich, and **M. C. Kondratieff**. 2017. Evaluating the impact of stream restoration on brown trout habitat and available feeding positions in the upper Arkansas River, CO. 2017 Joint Meeting of Utah and Colorado/Wyoming Chapters of the American Fisheries Society. Grand Junction, Colorado. February 23, 2017.
- **Hansen, A. G.**, J. G. Gardner, K. A. Connelly, M. Polacek, and D. A. Beauchamp. Baseline food web interactions in Lake Kachess: seasonal predation by northern pikeminnow and burbot on prey important for bull trout. Yakima Basin Science and Management Conference. Ellensburg, Washington. June 16<sup>th</sup>, 2016. Invited by Yakama Tribe, Washington Department of Fish and Wildlife, and US Fish and Wildlife Service.
- Hardee, T.L., P.A. Nelson, **M. C. Kondratieff**, and B.P. Bledsoe. 2016. Evaluation of fish passage at whitewater parks using 2D and 3D hydraulic modeling. Poster Presentation. AGU Fall Meeting. San Francisco, California. December 16, 2016.
- Hillard, A. B., **E. E. Richer**, **D. A. Kowalski**, and **M. C. Kondratieff**. 2017. Surf's up fishes: evaluating fish passage at the Gore Canyon Whitewater Park at Pumphouse on the upper Colorado River. 2017 Joint Meeting of Utah and Colorado/Wyoming Chapters of the American Fisheries Society. Grand Junction, Colorado. February 22, 2017.
- Hodge, B. W., **E. R. Fetherman**, R. Henderson, and **K. B. Rogers**. 2017. PIT technology elucidates the biological effectiveness of a fishway. 2017 Joint Meeting of the Utah and Colorado/Wyoming Chapters of the American Fisheries Society. Grand Junction, CO. February 22, 2017. Received award for best professional presentation.
- **Kondratieff, M. C.** 2016. Charlie Meyer SWA Habitat Enhancement Project: Final Report. Land and Water Trust Fund Board Meeting, Bailey, CO. February 1, 2017.
- **Kondratieff, M. C.** 2016. Restoring Colorado Rivers and Introduction to Fisheries Science and Management. Wildlife Management Short Course 2017, Colorado State University, Colorado State University, Fort Collins, CO. March 28, 2017.
- **Kondratieff, M.C.** 2016. Field tour of Big Thompson River: Flood impacts and post-construction response of trout fisheries. Front Range Community College, Guest Lecture Aquatic Fisheries Course (Jennifer Lee Instructor), Fort Collins, Colorado. May 3, 2016.
- **Kondratieff, M. C.**, **E. E. Richer**, and B. Swigle. 2016. Post-flood reconstruction activities on Colorado Front Range streams: Implications for fish and fisheries. Rocky Mountain Stream Restoration Conference, Breckenridge, Colorado. July 20, 2016.
- **Kondratieff, M. C.** 2016. Guest speaker on fish passage and assisted with fish passage field tour for Dr. Chris Myrick's FW 204 Introduction to Fisheries Biology. Colorado State University, Fort Collins, Colorado. September 1, 2016.

- **Kondratieff, M. C.** 2016. Improving trout populations through stream habitat enhancement: A decade of lessons learned, CSU Student Chapter of AFS, Colorado State University, Fort Collins, Colorado. September 22, 2016.
- Krone, E., **E. E. Richer**, F. B. Wright, **M. C. Kondratieff**, and **A. J. Treble**. 2017. Crossing barriers: evaluation of a rock ramp fishway at the water diversion on a plains stream. Joint Meeting of Utah and Colorado/Wyoming Chapters of the American Fisheries Society. Grand Junction, Colorado. February 22, 2017.
- **Kowalski, D.A.** 2017. Evaluation of an Electric Fish Barrier on the South Canal on the Lower Gunnison River. Smith Root Inc. and Delta Montrose Electric Association, Montrose, Colorado March 2, 2017.
- **Richer, E. E.** 2016. Stream restoration in Colorado: common issues and approaches to restoration. Front Range Community College, Fort Collins, Colorado. April 27, 2016.
- **Richer, E. E., M. C. Kondratieff**, B. Swigle, **A. Treble**, and F. B. Wright. 2016. The effects of post-flood recovery on fisheries in the Colorado Front Range. Front Range Community College, Fort Collins, Colorado. April 27, 2016.
- **Richer, E. E.**, and A. T. Herdrich. 2016. Long-term monitoring program for the Upper Arkansas River in-stream habitat restoration project. Rocky Mountain Stream Restoration Conference. Breckenridge, Colorado. July 20, 2016.
- **Richer, E. E.** 2017. Colorado Parks and Wildlife introduction and overview. WR304 – Principles of Watershed Management, Colorado State University. Fort Collins, Colorado. March 2, 2017.
- **Richer, E. E.**, E. A. Gates, and A. T. Herdrich. 2017. Long-term monitoring program for the Upper Arkansas River in-stream habitat restoration project. WR304 – Principles of Watershed Management, Colorado State University. Fort Collins, Colorado. March 2, 2017.
- **Rogers, K. B.**, S. F. Brinkman, J. R. Anderson, and A. P. Martin. 2016. Inbreeding depression reduces fitness in Colorado's remaining Greenback Cutthroat Trout. Greenback Recovery Team meeting, Lakewood, Colorado, May 3, 2016.
- **Rogers, K. B.**, and K. R. Bestgen. 2016. Using museum specimens to characterize the range of native morphological diversity in cutthroat trout of Colorado. Greenback Recovery Team meeting, Lakewood Colorado, May 3, 2016.
- **Rogers, K. B.**, B. W. Hodge, R. Henderson, and J. P. Ewert. 2016. An inexpensive approach for securing a Green Lineage CRCT population against WD invasion. Colorado River Cutthroat Trout Conservation Team meeting, Grand Junction, Colorado, December 8, 2016.

- **Salinas, N. R., and K. G. Thompson** (presenter). 2016. Poster presentation: Spawning Movement of Bluehead Sucker *Catostomus discobolus* and Flannelmouth Sucker *C. latipinnis* in Roubideau Creek, Gunnison River Basin, CO. Annual Meeting of Colorado-Wyoming Chapter American Fisheries Society. Laramie, Wyoming. March 2-3, 2016.
- Schwemm, M. R. (presenter), E. W. Carson, **K. G. Thompson**, M. J. Osborne, and T. F. Turner. 2016. Spatial and temporal variation in genetic composition of larval drift of catostomid suckers. Desert Fishes Council. Albuquerque, NM. November 18, 2016.
- Schwemm, M. R., **K. G. Thompson**, T. F. Turner, E. W. Carson (presenter). 2016. Oral Presentation: Genetic contribution of native and introduced catostomids to larval drift in experimental and control streams of the Gunnison River basin in Colorado. Colorado River and San Juan River Recovery Program Researcher's Meeting. Durango, Colorado. January 12, 2016.
- Stevens, S. B. (presenter), N. R. Salinas, E. L. Guy, and **K. G. Thompson**. 2017. Tributary use by spawning native catostomids in Roubideau Creek, Gunnison River basin, CO. Colorado-Wyoming and Utah chapters of American Fisheries Society, Joint Annual Meeting. Grand Junction, CO. February 23, 2017.
- Swarr, T., C. Myrick, and **R. M. Fitzpatrick**. 2017. Steep grade ahead – developing fishway design criteria for small-bodied Great Plains fishes. Joint Meeting of Utah and Colorado/Wyoming Chapters of the American Fisheries Society. Grand Junction, Colorado. February 22, 2017.
- Swarr, T., C. Myrick, and **R. M. Fitzpatrick**. 2017. An alternative to “build it, monitor it, does it work?” approach to designing fish passage structures: design, construction and operation of a full-scale indoor research fishway. Joint Meeting of Utah and Colorado/Wyoming Chapters of the American Fisheries Society. Grand Junction, Colorado. February 22, 2017.
- **Thompson, K. G. (presenter)**, M. R. Schwemm, T. F. Turner, M. J. Osborne, and E. W. Carson. 2016. Genetic contribution of native and introduced catostomids to larval drift in experimental and control streams of the Gunnison River basin in Colorado (Version 2). Annual Meeting of Colorado-Wyoming Chapter American Fisheries Society. Laramie, Wyoming. March 2, 2016.
- **Thompson, K. G. (presenter)**, M. R. Schwemm, T. F. Turner, M. O. Osborne, and E. W. Carson. 2016. Genetic contribution of native and introduced catostomids to larval drift in experimental and control streams of the Gunnison River basin in Colorado (Version 3). Annual Meeting of Western Division American Fisheries Society. Reno, Nevada. March 23, 2016.

- **Thompson, K. G. (presenter)**, Z. E. Hooley-Underwood, and S. B. Stevens. 2017. Short-term retention of PIT tags in Catostomid suckers through a spawning event. Colorado-Wyoming and Utah chapters of American Fisheries Society, Joint Annual Meeting. Grand Junction, CO. February 22, 2017.
- **Treble, A.J.** 2016. Fisheries Data Visualization Using Tableau. Organization of Fish & Wildlife Information Managers. Poncha Springs, NE.