

Kelly A. Stockton-Fiti

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Abbreviated Vitae (Resume)

EDUCATION:

Masters of Science, Fisheries Resources (University of Idaho)

Bachelor of Science, Biology; Minor in Microbiology (Colorado State University)

WORK EXPERIENCE:

2015-Present. Owner / Research Scientist. KASF Consulting LLC.

2013-2015. Research Scientist. RNT Consulting. Picton, Ontario, Canada.

2012-2015. Research Scientist. Marrone Bio Innovations. Davis, CA

2011-2012. Aquatic Ecologist. GEI Consultants, Inc., Denver, CO.

2008-2011. Graduate Research Assistant. University of Idaho, Moscow, ID.

KNOWLEDGE AND SKILLS:

- ❖ Plans, designs, constructs and performs experiments for different clients' needs specifically related to their research objectives and timetable. Example projects include:
 - Use of UV Radiation Technology to Prevent Settlement of Quagga Mussel Larvae
 - Investigation of the KRIA Industrial Ionizer on the Mortality of the Invasive Quagga Mussel
 - Mortality Responses of Quagga Mussels to KCl Solutions Prepared in Different Source Waters
 - Efficacy of EarthTec® Algicide for Control of Quagga and Zebra Mussels
 - Evaluation of Copper Ion Generator for Effects on Settlement of Veligers and Impact on Adult Quagga Mussels
 - Atlantium Technologies Medium Pressure UV Required for Minimizing Downstream Settlement of Quagga Mussel Veligers
 - Toxicity studies with Potassium Chloride with formaldehyde and application methods for veliger treatment
 - Evaluation of the toxicity of antifreeze formulations on quagga mussel veligers and juveniles
- ❖ Knowledge and utilization of scientific theory, principles, practices, methods specifically of:
 - Water quality monitoring and standards analysis through use of meters and testing kits in regards to state and federal laws and regulations and experimental research needs
 - Acute fish and mollusk toxicology testing, and jar assay testing
 - Aquatic invertebrate and vertebrate monitoring, identification, collection, ecology, management and conservation, aquaculture, and many capture techniques such as electroshocking, gill nets, fyke nets, seines, hook and line, traps, kick-nets, hess and surber samplers
 - Site risk assessment for aquatic invasive species
 - Identification of aquatic invertebrates to the genus or species level
 - Testing, construction and repair of hydraulic models in flumes and fish rearing units
 - Calibration, maintenance and repair of instruments and equipment
 - Safe laboratory practices including handling of hazardous waste and organisms
 - Integrated Pest Management and application of pesticides
 - Microbiology lab techniques, disinfectants, media preparation, Safety Data Sheets, use and development of Standard Operating Procedures
 - Genetic lab techniques, such as PCR, gel electrophoresis, microscopy

- ❖ Project management, supervisory and leadership abilities demonstrated through job duties, mentoring of undergraduates, training work-studies and coworkers, and acting as president, committee chair person, or other representation in many clubs
- ❖ Excellent communication skills demonstrated through scientific writing for publication and presentations, customer service activities, and volunteer activities
- ❖ Course work and in-depth knowledge of chemical, biological, ecological concepts and statistical applications, wildlife disease study, invasive species theory, toxicology, risk assessment, and statistics: nonparametric and applied linear regressions
- ❖ Practical application of basic hydrology terms and techniques especially associated with soil erosion and chemical reactors

SELECTED PUBLICATIONS:

- Stockton-Fiti KA, Owens-Bennett E, Pham C, Hokanson D. (*In review*). Control of quagga veligers using EarthTec QZ for municipal water supply and impact on non-target organisms. *Management of Biological Invasions*.
- Diane Waller, Sherri Pucherelli, Matthew Barbour, Samantha Tank, Matthew Meulemans, Jeremy Wise, Angelique Dahlberg, David C. Aldridge, Renata Claudi, W. Gregory Cope, Patricia L. Gillis, Donna R. Kashian, Denise Mayer, Kelly Stockton-Fiti, Wai Hing Wong. 2023. Review and Development of Best Practices for Toxicity Tests with Dreissenid Mussels. *Environmental Toxicology and Chemistry* 42: 1649–1666.
- Stockton-Fiti KA, Claudi R. 2023. Evaluation of Atlantium’s Medium Pressure Colunated Beam on various life stages of New Zealand mudsnails (*Potamopyrgus antipodarium*). Technical Report for Atlantium Technologies, Ltd.
- Stockton-Fiti KA, Owens-Bennett E, Olivas L, & Yang CC. 2022. Final Report: Restoration of Local Recharge Sources from Invasive Dreissenid Mussels. Prepared for Metropolitan Water District of Southern California, City of Santa Ana and Orange County Water District.
- Stockton-Fiti, K.A, R Claudi and T Prescott. 2021. Evaluation of Fortress Mussel Control Systems Copper Ion Generator for Effects on Adult Mussels and Evaluation of the Performance of the Copper Ion Generator Under Field Conditions. Technical Report for ONG Consulting.
- Stockton-Fiti, KA. 2020. Investigating Chemical Treatment Options on Quagga Mussel Veligers in Static Conditions for Treating Water Supplied for Agricultural Use and Determination of Water Source Effect on Adult Quagga Mussels. Technical Report for United Water Conservation District.
- Stockton-Fiti, K.A. 2017. Determining the toxicity of antifreeze to quagga mussels. Technical Report for US Fish and Wildlife Service.
- Stockton-Fiti, K.A. and C. M. Moffitt. 2017. Safety and efficacy of Virkon® Aquatic as a control tool for invasive mollusks in aquaculture. *Aquaculture* 480: 71-76.
- Stockton-Fiti, K.A. and R. Claudi. 2017. Use of a differential simple stain to confirm mortality of dreissenid mussel veligers in field and laboratory experiments. *Management of Biological Invasions* 8: 325-333.
- Stockton-Fiti, K.A. and C. M. Moffitt. 2017. Investigation of the Edwards protocol’s effectiveness on zebra mussel veligers. Technical Report for Mississippi River Basin Panel.
- Stockton-Fiti, K.A. and C. M. Moffitt. 2016. Verification of the effectiveness of KCl on zebra mussel veligers. Technical Report for Pacific States Marine Fisheries Commission.

- Stockton-Fiti, K.A., C.M. Moffitt, B.J. Watten, B.J. Vinci. 2016. Comparison of hydraulics and particle removal efficiencies in a mixed cell raceway and Burrows pond rearing system. *Aquacultural Engineering* 74:52-61.
- Moffitt, C.M., K. A. Stockton-Fiti, R. Claudi. 2016. Toxicity of potassium chloride to veliger and byssal stage dreissenid mussels related to water quality. *Management of Biological Invasions* 7: 257-268.
- Stockton-Fiti, K. 2015. Investigation of the KRIA industrial ionizer on the mortality of the invasive quagga mussel. Technical Report for Premier Materials Technology.
- Stockton-Fiti, K. 2015. Toxicity of EcoClean to Quagga Mussel Veligers. Technical Report for Premier Materials Technology.
- Moffitt, C. M., A. Barenberg, K. A. Stockton, and B. J. Watten. 2015. Efficacy of two approaches for disinfecting surfaces and water infested with quagga mussel veligers. Pp 467-477, Chapter 30 in W. H. Wong and S. Gerstenberger, editors. *Biology and management of invasive quagga and zebra mussels in the Western United States*. CRC Press.
- Stockton K. and C.M. Moffitt. 2013. Disinfection of three wading boot surfaces infested with New Zealand mudsnails. *North American Journal of Fisheries Management*. 33:529-538.
- Stockton K, C. M. Moffitt, D. L. Blew and C. N. Farmer. 2012. Acute toxicity of sodium fluorescein to ashy pebblesnails *Fluminicola fuscus*. *Northwest Science*. 86:190-197.
- Stockton K. 2011. Methods to assess, control, and manage risks for two invasive mollusks in fish hatcheries. Master's Thesis University of Idaho.
- Stockton K, P Morley, et al. Evaluation of the effects of footwear hygiene protocols on nonspecific bacterial contamination of floor surfaces in an equine hospital. *JAVMA*. 2006, 228:1068-1073.