

Timothy D. Mussen

Scientist

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EDUCATION AND TRAINING

University of California, Davis	Wildlife, Fish, and Conservation Biology	B.S.	2000
University of California, Davis	Ecology (Integrative)	Ph.D.	2009

RESEARCH AND PROFESSIONAL EXPERIENCE

- Scientist II, Sacramento Regional County Sanitation District (2013–present)
- Environmental Specialist IV, Sacramento Regional County Sanitation District (2012–2013)
- Postdoctoral Researcher, Unscreened Diversions Fish Entrainment Project, UC Davis (2010–2012)
- Graduate Student Researcher, UC Davis (2002–2009)
- Post-Graduate Researcher on the Fish Treadmill Project, UC Davis (2001–2002)
- California Department of Fish and Game Scientific Aid, Bay Delta Region (2000–2001)

PUBLICATIONS

- Mussen TD, Cocherell DE, Patton O, Jauregui D, Ercan A, Bandeh H, Meier D, Thomas S, Kavvas ML, Cech JJ Jr, Fangué NA. 2015. Modified water diversion structures can behaviorally deter juvenile Chinook Salmon from entrainment. *Transactions of the American Fisheries Society*. 144(5):1070-1080.
- Mussen TD, Patton O, Cocherell DE, Ercan A, Bandeh H, Kavvas ML, Cech JJ Jr, Fangué NA. 2014. Can behavioral fish-guidance devices protect juvenile Chinook salmon (*Oncorhynchus tshawytscha*) from entrainment into unscreened water-diversion pipes? *Canadian Journal of Fisheries and Aquatic Sciences*. 71(8):1209-1219.
- Mussen TD, Cocherell D, Poletto JB, Reardon JS, Hockett Z, Ercan A, Bandeh H, Kavvas ML, Cech JJ Jr, Fangué NA. 2014. Unscreened Water-Diversion Pipes Pose an Entrainment Risk to the Threatened Green Sturgeon, *Acipenser medirostris*. *PLoS ONE* 9(1): e86321.
- Poletto JB, Cocherell DE, Mussen TD, Ercan A, Bandeh H, Kavvas ML, Cech JJ Jr, Fangué NA. 2014. Efficacy of a sensory deterrent and pipe modifications in decreasing entrainment of juvenile green sturgeon (*Acipenser medirostris*) at unscreened water diversions. *Conservation Physiology*. 2(1): cou056.
- Mussen TD, Cocherell DE, Hockett Z, Ercan A, Bandeh H, Kavvas ML, Cech JJ Jr, Fangué NA. 2013. Assessing Juvenile Chinook Salmon Behavior and Entrainment Risk near Unscreened Water Diversions: Large Flume Simulations. *Transactions of the American Fisheries Society*. 142(1):130-142.
- Mussen TD, Cech, JJ Jr. 2013. The roles of vision and the lateral-line system in Sacramento splittail's fish-screen avoidance behaviors: Evaluating vibrating screens as potential fish deterrents. *Environmental Biology of Fishes*. 96(5):971-980.
- Brown AD, Mussen TD, Sisneros JA, Coffin AB. 2011. Reevaluating the use of aminoglycoside antibiotics in behavioral studies of the lateral line. *Hearing Research* 272:1-4.
- Mussen TD, Peeke HVS. 2001. Nocturnal feeding in the marine threespine stickleback (*Gasterosteus aculeatus* L.): Modulation by chemical stimulation. *Behaviour* 138: 857-871.