

LISA C. THOMPSON

Chief Scientist

Regional San (Sacramento Regional County Sanitation District)

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EDUCATION AND TRAINING

University of Toronto, Canada	Zoology	B.S.	1987
McGill University, Montreal, Canada	Biology (Limnology)	M.S.	1992
University of British Columbia, Canada	Zoology (Fisheries)	Ph.D.	1999

RESEARCH AND PROFESSIONAL EXPERIENCE

SEI Associate, Stockholm Environment Institute (2015 – present)

Chief Scientist, Sacramento Regional County Sanitation District (2014-present)

Visiting Researcher WOS, University of California Davis (2014 – present)

Full Specialist in Cooperative Extension, University of California Davis (2012 – 2014)

Director, Center for Aquatic Biology and Aquaculture, University of California Davis (2010-2012)

Associate Specialist in Cooperative Extension, University of California Davis (2007 – 2012)

Assistant Specialist in Cooperative Extension, University of California Davis (2001 – 2007)

Postdoctoral Associate, National Center for Ecological Analysis & Synthesis, University of California Santa Barbara (1999-2001)

GRANTS RECEIVED (Selected)

2012-2015 - Modeling tool to assess and mitigate the effects of small hydropower on stream fishes in a changing California climate (CIEE / CEC, \$148,075; P.I.)

2013-2014 - The California Fish Phone App: Beta testing an educational tool with 4-H youth and adult anglers (RREA Grant, \$6,308; P.I.)

2013 - Clear Lake Information Public Online Database (RREA Intern Grant, \$6,000; P.I.)

2009-2012 - Juvenile and adult hardhead thermal tolerances and preferences: Temperature preference, critical thermal limits, active and resting metabolism, and blood-oxygen equilibria (California Energy Commission, \$441,797; P.I.)

2007–2011 - Innovative management options to prevent loss of ecosystem services provided by Chinook salmon in California: overcoming the effects of climate change (US EPA, \$707,908; Co-P.I.)

2007–2009 - Restoring rangeland watersheds and freshwater fisheries (ANR Core Grant, \$73,870; P.I.)

2006–2008 - Distribution, movement, and outmigration of juvenile coho salmon in the Shasta River: Relationships with environmental factors and irrigation water management (UC Water Resources Center, \$58,413; P.I.)

2006–2007 - Assessment of the role of hardwood in forming stream habitat for threatened south-central California coast steelhead trout (ANR Core Grant, \$28,365; P.I.)

2004–2006 - Experimental and field studies to assess pulsed, water-flow impacts on the behavior and distribution of fishes in a Californian river (California Energy Comm., \$299,814; Co-P.I.)

AWARDS/HONORS

- 2013 - Best Research-Oriented Paper Award. ASCE-EWRI Journal of Water Resources Planning and Management
- 2012 - Western Extension Directors' Award of Excellence - State Program Winner
- 2008 - Western Extension Directors' Award of Excellence - State Program Winner
- 2006 - UC Cooperative Extension Outstanding Teamwork Distinguished Service Award
- 2004 - Nathaniel S. Bingham Memorial Award - Klamath River Basin Fisheries Task Force
- 1998 - American Fisheries Society Western Division Best Student Paper Award
- 1991 - Natural Sciences and Engineering Research Council of Canada (NSERC) Graduate Fellowship

ADVISORY POSITIONS (Selected)

- 2010-2014 Associate Editor, California Agriculture journal
- 2010-2014 Fish Passage Steering Committee (multi-agency)
- 2009-2014 Lake County Invasive Species Council
- 2006-2010 Malibu Creek Technical Advisory Committee (Malibu Creek steelhead)
- 2002-2014 Lower American River FISH Workgroup
- 2003-2008 Shasta-Scott Rivers Coho Salmon Recovery Team – Science Advisor
- 2003-2007 NOAA Fisheries South-Central Technical Recovery Team (steelhead)

PUBLICATIONS (Selected)

- Fangue NA, Cocherell DE, La Luz F, Cech JJ Jr, Thompson LC. 2015. Juvenile and adult hardhead *Mylopharodon conocephalus* oxygen consumption rates: Effects of temperature and swimming velocity. *Environmental Biology of Fishes* 98:585–596.
- Thompson LC, Giusti GA, Weber K, Keiffer RF. 2013. The native and introduced fishes of Clear Lake: A review of the past to assist with decisions of the future. *California Fish and Game* 99(1):7-41.
- Kaufman RC, Coalter, Nordman NL, Cocherell DE, Cech JJ Jr., Thompson LC, Fangue NA. 2013. Effects of temperature on hardhead minnow (*Mylopharodon conocephalus*) blood oxygen equilibria. *Environmental Biology of Fishes*. 96(12):1389-1397.
- Mosser CM, Thompson LC, Strange JS. 2013. Survival of captured and relocated adult spring-run Chinook salmon *Oncorhynchus tshawytscha* in a Sacramento River tributary after cessation of migration. *Environmental Biology of Fishes* 96(2):405-417.
- Thompson LC, Voss JL, Larsen RE, Tietje WD, Cooper RA, Moyle PB. 2012. Southern steelhead (*Oncorhynchus mykiss*), hard woody debris, and temperature in a California central coast watershed. *Transactions of the American Fisheries Society*. 141(2):275-284.
- Thompson LC, Escobar MI, Mosser CM, Purkey DR, Yates D, Moyle PB. 2012. Water management adaptations to prevent loss of spring-run Chinook salmon in California under climate change. *Journal of Water Resources Planning and Management* 138(5):465-478.
- Cocherell SA, Chun S, Cocherell DE, Thompson LC, Klimley AP, Cech JJ Jr. 2012. Lateral displacement and stranding of juvenile California stream fishes in a simulated pulsed-flow. *Environmental Biology of Fishes*. 93(1):143-150.
- Young P, Cech JJ Jr, Thompson LC. 2011. Hydropower-related pulsed-flow impacts on stream fishes: A brief review, conceptual model, knowledge gaps, and research needs. *Reviews in Fish Biology and Fisheries*. 21(4):713-731.

Total of over 60 papers and technical reports.