

STATEMENT OF QUALIFICATIONS

Richard Wilder

EDUCATION

Ph.D. Biological Sciences. 2003. University of California, Santa Barbara.

B.S. Biology. 1994. University of California, Los Angeles.

PROFESSIONAL HISTORY

2012 - Present – Senior Manager/Senior Fisheries Biologist, ICF

2007 - 2012 – Senior Fisheries Biologist, Science Applications International Corporation

2005 - 2007 – Supervisory Fish Biologist, United States Fish and Wildlife Service

2003 - 2004 – Post-Doctoral Researcher, University of California, Santa Barbara

RELATED PROFESSIONAL EXPERIENCE

California WaterFix (CWF) Biological Assessment, U.S. Bureau of Reclamation (Reclamation), 2014-Present. Served as deputy project manager and lead fisheries biologist to develop Biological Assessment. Developed and conducted biological analyses to assess effects of changing water infrastructure and operations on threatened and endangered Central Valley salmonids and sturgeon.

Bay Delta Conservation Plan (BDCP), Department of Water Resources (DWR), 2007-2014. Served as lead fisheries biologist to develop habitat conservation plan. Developed analytical framework and conducted analyses to assess effects of changing water infrastructure and operations on threatened and endangered fish species. Developed conservation strategy with working groups of multiple stakeholders with various interests.

BDCP Environmental Impact Report/Environmental Impact Statement (EIR/EIS), DWR, 2008-Present. Developed analytical framework, conducted analyses, and major contributor to environmental consequences section on fisheries resources for all alternatives.

Central Valley Project/State Water Project Long-term Coordinated Operations Biological Assessment, Reclamation, 2013-2014. Served as fisheries biologist for Biological Assessment for Section 7 consultation on coordinated long-term operations of the Central Valley Project and State Water Project. Designed and conducted impact analyses of water operations on threatened and endangered Central Valley salmonids and sturgeon.

Long-Term Water Transfers EIS, Reclamation, 2014-2015. Prepared fisheries chapter of the EIS impact assessment for long-term water transfers in the Central Valley of California. Conducted impact assessment of multiple transfer methods (groundwater substitution, crop idling, crop shifting, and reservoir releases) on fisheries resources in over 25 small streams and larger rivers throughout the Central Valley.

Predator Reduction Electrofishing Study, DWR, 2015-Present. Project manager for large electrofishing study to evaluate the effectiveness of removing predatory fish from Clifton Court Forebay on prescreen salmonid loss as part of the NMFS Reasonable and Prudent Alternative for the 2009 SWP/CVP Biological Opinion.

Delta Smelt Tagging Feasibility Study, State and Federal Contractors Water Agency, 2014-2016. Served as project manager and primary investigator on a research study to evaluate the feasibility of using Passive Integrated Transponder (PIT) and acoustic tags in Delta Smelt. Determined a successful technique for tagging and tracking individual adult delta smelt. Lead author on peer-reviewed journal article published in the North American Journal of Fisheries Management.

Yolo Regional Conservation Investment Strategy/Local Conservation Plan, Windward Fund, 2017-Present. Served as lead fisheries biologist to develop conservation strategy for threatened and endangered fish species as part of a new conservation planning tool in California.

Placer County Conservation Plan, Placer County, 2014-2015. Served as lead fisheries biologist to prepare sections of regional HCP including covered activities and conservation measures, and analyzed effects of the Plan on threatened and endangered salmonids. Worked closely with NMFS to maximize success of the Plan in conserving salmonid species.

Butte Regional Conservation Plan, Butte County Association of Governments, 2007-2012. Served as lead fisheries biologist for regional HCP that includes major waterways and habitat for multiple threatened and endangered fish species. Provided expert knowledge about fish biology, ecology, and conservation to client. Developed conservation strategy and conservation measures for fish species and evaluated potential effects. Prepared major written contributions to several technical documents, including impact assessment.

RELATED PUBLICATIONS AND PRESENTATIONS

Wilder R.M., J.L. Hassrick, L.F. Grimaldo, M.F.D. Greenwood, S. Acuña, J.M. Burns, D.M. Maniscalco, P.K. Crain, T-C. Hung. 2016. Feasibility of PIT and acoustic tagging for endangered adult Delta Smelt. North American Journal of Fisheries Management. 36: 1167-1177.

Wilder R., J. Hassrick, L. Grimaldo, M. Greenwood, S. Acuña, J.M. Burns, D.M. Maniscalco, P.K. Crain, T-C. Hung. 2016. Can we tag these little fish? Feasibility of PIT and acoustic tagging for endangered adult Delta Smelt. 41st Annual Meeting of the Western Division American Fisheries Society, Reno, NV.

Wilder R., L. Grimaldo, M. Greenwood, J. Hassrick, P. Crain, D. Maniscalco, J. Burns, T.-C. Hung. 2015. New Tagging Technology for Small, Listed Non-Salmonid Fishes: PIT and Acoustic Tag Retention and Survival of Delta Smelt. 145th Annual Meeting of the American Fisheries Society. Portland, OR.

Wilder R. and C. Marcinkevage. 2014. Potential Effects of Future Climate Change on Salmonids in California's Central Valley. 48th Annual Meeting of the American Fisheries Society, California-Nevada Chapter. Sacramento, CA.

Wilder R.M. and J.F. Ingram. 2006. Temporal patterns in catch rates of juvenile Chinook salmon and trawl net efficiencies in the lower Sacramento River. Interagency Ecological Program Newsletter. 19(1):18-28.

Wilder R. and J. Ingram. 2006. Seasonal shifts in diel patterns of juvenile Chinook salmon catch rates in the Sacramento-San Joaquin River Delta. 40th annual meeting of the American Fisheries Society, California-Nevada Chapter. 3/30-4/1/2006. San Luis Obispo, CA.

Wilder, R.M., M.J. Marshall, J.F. Ingram, J. Pedretti, and B.P. Powell. 2006. Just add water: spatial and temporal patterns of larval, juvenile, and adult fishes within Liberty Island. 4th Biennial CALFED Science Conference. Sacramento, CA.