

NMFS Exhibit 2

Statement of Qualifications for David Swank

Submitted for the "Informational Proceeding to Develop Flow Criteria for the Delta Ecosystem Necessary to Protect Public Trust Resources", scheduled to begin March 22, 2010

David R. Swank, Ph.D

David Swank has been researching steelhead populations in the Great Lakes and in California for the past 12 years, and has extensive knowledge of their life-history and habitat requirements. In his present position at the NOAA-Fisheries Southwest Regional Office he is a member of the Bay-Delta Conservation Plan team, with a focus on analyzing the effects of the plan on anadromous fish in the Delta and Central Valley Rivers. For the past four years, as a post-doctoral researcher and research fellow at the University of California at Santa Cruz, he has been studying the life-histories of steelhead populations in coastal California and in California's Central Valley. For his dissertation at the University of Michigan, he compared the life-history variation among and within naturalized steelhead populations of the Great Lakes.

Education

- Ph.D. in Fisheries Ecology, School of Natural Resources and Environment, University of Michigan. Dissertation Topic: "Life-History Variation and Management of Wild Great Lakes Steelhead Populations"
- M.S. in Zoology, Michigan State University,
- B.S. in Biology - Ecology and Evolutionary Biology Concentration, University of Rochester

Positions Held

- Fisheries Biologist, NOAA Fisheries Protected Resources Division, Sacramento, CA. Sept 2009-Present
- Research Fellow. University of California at Santa Cruz, Santa Cruz, CA. Feb 2009-Present
- Post-Doctoral Researcher. University of California at Santa Cruz, Santa Cruz, CA. Jan 2006- Jan 2009. Coordinate field and lab portions of a project investigating how juvenile growth rate affects smoltification in wild California steelhead populations.

Publications

M.L. Bartron, D.R. Swank, E.S. Rutherford, and K.T. Scribner. "Methodological Bias in Estimates of Strain Composition and Straying of Hatchery-Produced Steelhead in Lake Michigan Tributaries." 2004. *North American Journal of Fisheries Management* 24:1288-1299.

W.H. Satterthwaite, M.P. Beakes, E.M. Collins, J.E. Merz, D.R. Swank, R.G. Titus, S.M. Sogard, and M. Mangel. "Steelhead Life History on California's Central Coast: Insights from a State-Dependent Model." *Transactions of the American Fisheries Society* 138: 532-548.

In Press: W. Satterthwaite, M. Beakes, E. Collins, J. Merz, D.R. Swank, R. Titus, S. Sogard, and M. Mangel. "State-Dependent Life History Models in a Changing (and Regulated) Environment: Steelhead in the California Central Valley." *Evolutionary Applications*.

Submitted: D.R. Swank and E.S. Rutherford. "Life-History Variation among Wild Populations of Great Lakes Steelhead". *Journal of Great Lakes Research*.

Submitted: J.E. Breck, C.P. Simon, E.S. Rutherford, P.J. Lamberson, B.S. Low, and D.R. Swank. "When to Mature? New Answers from Life-History Theory, with Applications to Great Lakes Salmonids." *Ecological Applications*.

Submitted: D.R. Swank and E.S. Rutherford. "Temporal Life-History Variation in Great Lakes Steelhead Populations". Transactions of the American Fisheries Society.

In preparation: D.R. Swank, M. Beakes, E. Collins, J. Merz, W. Satterthwaite, R. Titus, S. Sogard, and M. Mangel. "Growth Patterns and Residency of Wild *O. mykiss* in Coastal California and Central Valley Streams."