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Education

M.S., Biological Science, California State University, Sacramento, 1999
B.S., Environmental Biology and Management, University of California, Davis, 1995

Professional Experience

2008 - present Fish Biologist, U.S. Bureau of Reclamation
2007 - 2008 Staff Environmental Scientist, California Department of Water Resources
1999-2007 Environmental Scientist, California Department of Water Resources

Books

Feyrer, F., L.R. Brown, R.L. Brown, and J.J. Orsi, editors. 2004. Early Life History of Fishes in the San Francisco Estuary and Watershed. American Fisheries Society, Symposium 39, Bethesda, Maryland.

Journal Publications

Sommer, T., M. Nobriga, L. Grimaldo, F. Feyrer, F. Mejia. 2009. A conceptual model of the upstream migration of delta smelt. San Francisco Estuary and Watershed Science (in review).

Feyrer, F., K. Newman, M. Nobriga, and T. Sommer. 2009. Modeling the effects of future freshwater flow on the abiotic habitat of an imperiled estuarine fish. Estuaries and Coasts (in revision).

Mac Nally, R., J.R. Thompson, W.J. Kimmerer, F. Feyrer, K.B. Newman, A. Sih, W.A. Bennett, L. Brown, E. Fleishman, S. Culberson, and G. Castillo. 2009. An analysis of pelagic species decline in the upper San Francisco Estuary using multivariate autoregressive modeling. Ecological Applications (in press).

Thomson, J., W. Kimmerer, L. Brown, K. Newman, R. Mac Nally, F. Feyrer, E. Fleishman. 2009. Bayesian change-point analysis of temporal patterns in fish abundances in the upper San Francisco Estuary. Ecological Applications (in press).

Feyrer, F., J. Hobbs, and T. Sommer. 2009. Salinity inhabited by age-0 splittail as determined by direct field observation and retrospective analyses with otolith chemistry. San Francisco Estuary and Watershed Science (accepted).

Feyrer F., T. Sommer, and S.B. Slater. 2009. Old school vs. new school: status of threadfin shad (*Dorosoma petenense*) five decades after its introduction to the Sacramento-San Joaquin Delta. San Francisco Estuary and Watershed Science. Vol. 7, Issue 1, Article 3.

Nobriga, M., and F. Feyrer. 2008. Diet composition in San Francisco Estuary striped bass: does trophic adaptability have its limits? Environmental Biology of Fishes 83:495-503.

Baerwald, M., F. Feyrer, B. May. 2008. Distribution of genetically differentiated splittail populations during the non-spawning season. Transactions of the American Fisheries Society Transactions of the American Fisheries Society 137:1335-1345.

- Sommer, T., W. Harrell, Z. Matica, and F. Feyrer. 2008. Habitat associations and behavior of adult and juvenile splittail (Cyprinidae: *Pogonichthys macrolepidotus*) in a managed seasonal floodplain wetland. San Francisco Estuary and Watershed Science. Vol. 6, Issue 2, Article 3.
- Nobriga, M., T. Sommer, F. Feyrer, and K. Fleming. 2008. Long-term trends in summertime habitat suitability for delta smelt, *Hypomesus transpacificus*. San Francisco Estuary and Watershed Science. Vol. 6, Issue 1 (February), Article 1.
- Feyrer, F., T. Sommer, and J. Hobbs, 2007. Living in a dynamic environment: variability in life history traits of age-0 splittail in tributaries of San Francisco Bay. Transactions of the American Fisheries Society 136:1393-1405.
- Sommer, T., C. Armor, R. Baxter, R. Breuer, L. Brown, M. Chotkowski, S. Culberson, F. Feyrer, M. Gingras, B. Herbold, W. Kimmerer, A. Mueller-Solger, M. Nobriga, and K. Souza. 2007. The collapse of pelagic fishes in the upper San Francisco Estuary. Fisheries 32:270-277.
- Feyrer, F., M. Nobriga, and T. Sommer. 2007. Multi-decadal trends for three declining fish species: habitat patterns and mechanisms in the San Francisco Estuary, California, U.S.A. Canadian Journal of Fisheries and Aquatic Sciences 64:723-734
- Nobriga, M., and F. Feyrer. 2007. Shallow-water piscivore-prey dynamics in the Sacramento-San Joaquin Delta. San Francisco Estuary and Watershed Science Vol.5, Issue 2, Article 4.
- Sommer, T., R. Baxter, and F. Feyrer. 2007. Splittail revisited: how recent population trends and restoration activities led to the "delisting" of this native minnow. Pages 25-38 in M.J. Brouder and J.A. Scheuer, editors. Status, Distribution, and Conservation of Freshwater Fishes of Western North America. American Fisheries Society Symposium 53. Bethesda, Maryland.
- Feyrer, F., J.A. Hobbs, M. Baerwald, T. Sommer, Q. Yin, K. Clark, B.P. May, and W.A. Bennett. 2007. Otolith microchemistry provides information complimentary to microsatellite DNA for a migratory fish. Transactions of the American Fisheries Society 136:469-476
- Baerwald, M., V. Bien, F. Feyrer, and B. May. 2007. Microsatellite analysis reveals two genetically distinct splittail (*Pogonichthys macrolepidotus*) populations in the San Francisco estuary. Conservation Genetics 8:159-167.
- Feyrer, F, T. Sommer, and W. Harrell. 2006. Managing floodplain inundation for native fish: production dynamics of age-0 splittail in California's Yolo Bypass. Hydrobiologia 573:213-216.
- Feyrer, F, T. Sommer, and W. Harrell. 2006. Importance of flood dynamics versus intrinsic physical habitat in structuring fish communities: evidence from two adjacent engineered floodplains on the Sacramento River, California. North American Journal of Fisheries Management 26:408-417.
- Nobriga, M., F. Feyrer, and R. Baxter. 2006. Aspects of Sacramento pikeminnow biology in nearshore habitats of the Sacramento-San Joaquin Delta. Western North American Naturalist 66:106-114.
- Nobriga, M., F. Feyrer, R. Baxter, and M. Chotkowski. 2005. Fish community ecology in an altered river delta: spatial patterns in species composition, life history strategies, and biomass. Estuaries 28:776-785.

- Kimmerer, W., S. Avent, S. Bollens, F. Feyrer, L. Grimaldo, P. Moyle, M. Nobriga, and T. Visintainer. 2005. Variability in length-weight relationships used to estimate biomass of estuarine fish from survey data. *Transactions of the American Fisheries Society* 134:481-495.
- Feyrer, F., T. Sommer, and R. Baxter. 2005. Spatial-temporal distribution and habitat associations of age-0 splittail in the lower San Francisco Estuary watershed. *Copeia* 2005:159-168.
- Feyrer, F., T. Sommer, G. O'Leary, S. Zeug, and W. Harrell. 2004. Fish assemblages of perennial floodplain ponds of the Sacramento River, California (U.S.A.), with implications for the conservation of native fishes. *Fisheries Management and Ecology* 11:335-344.
- Feyrer, F. 2004. Ecological segregation of native and alien larval fish assemblages in the southern Sacramento-San Joaquin Delta. Pages 67-80 in F. Feyrer, L.R. Brown, R.L. Brown, and J.J. Orsi, editors. *Early Life History of Fishes in the San Francisco Estuary and Watershed*. American Fisheries Society, Symposium 39, Bethesda, Maryland.
- Sommer, T., W. Harrell, R. Kurth, F. Feyrer, S. Zeug, and G. O'Leary. 2004. Ecological patterns of early life stages of fishes in a river-floodplain of the San Francisco Estuary. Pages 111-124 in F. Feyrer, L.R. Brown, R.L. Brown, and J.J. Orsi, editors. *Early Life History of Fishes in the San Francisco Estuary and Watershed*. American Fisheries Society, Symposium 39, Bethesda, Maryland.
- Feyrer, F., B. Herbold, S.A. Matern, and P.B. Moyle. 2003. Dietary shifts in a stressed fish assemblage: consequences of a bivalve invasion in the San Francisco Estuary. *Environmental Biology of Fishes* 67:277-288.
- Feyrer, F., and M. Healey. 2003. Fish community structure and environmental correlates in the highly altered southern Sacramento-San Joaquin Delta. *Environmental Biology of Fishes* 66:123-132.
- Feyrer, F., and M. Healey. 2002. Structure, sampling gear and environmental associations, and historical change in the the southern Sacramento-San Joaquin Delta fish assemblage. *California Fish and Game* 88:126-138
- Sommer, T., L. Conrad, G. O'Leary, F. Feyrer, and W. Harrell. 2002. Spawning and rearing of splittail in a model floodplain wetland. *Transactions of the American Fisheries Society* 131:966-974.
- Feyrer, F., and R. Baxter. 1998. Splittail fecundity and egg size. *California Fish and Game* 84:119-126.

Honors

- Outstanding Professional Accomplishment and Sustained Superior Accomplishment Award, California Department of Water Resources
- Numerous Unit Citations, California Department of Water Resources
- Special Contribution Award, California-Nevada Chapter of the American Fisheries Society
- Certificate of Achievement, Western Division of the American Fisheries Society

Professional Memberships and Service

- Member, American Fisheries Society
- Past service on the executive committee of the AFS California-Nevada Chapter
- Member, Estuarine Research Federation
- Founding Secretary/Treasurer, California Estuarine Research Society
- Past Chair, Resident Fishes Workteam for the Interagency Ecological Program for the San Francisco Estuary

- Member, Systems modeling group investigating pelagic fish declines in the San Francisco Estuary, National Center for Ecological Analysis and Synthesis
- Ad-hoc reviewer for numerous journals
- Convenor of numerous technical sessions and symposia at professional conferences and workshops