

## Representative IEP Journal Publications 2016-2020

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Baumsteiger, J., R. E. Schroeter, T. O'Rear, J. D. Cook and P. B. Moyle (2017). "Long-Term Surveys Show Invasive Overbite Clams (*Potamocorbula amurensis*) are Spatially Limited in Suisun Marsh, California." San Francisco Estuary and Watershed Science 15(2).

Benjamin, A., İ. K. Sağlam, B. Mahardja, J. Hobbs, T.-C. Hung and A. J. Finger (2018). "Use of single nucleotide polymorphisms identifies backcrossing and species misidentifications among three San Francisco estuary osmerids." Conservation Genetics.

Bever, A. J., M. L. MacWilliams, B. Herbold, L. R. Brown and F. V. Feyrer (2016). "Linking Hydrodynamic Complexity to Delta Smelt (*Hypomesus transpacificus*) Distribution in the San Francisco Estuary, USA." San Francisco Estuary and Watershed Science 14(1).

Castillo, G. C. (2019). "Modeling the Influence of Outflow and Community Structure on an Endangered Fish Population in the Upper San Francisco Estuary." Water 11(6): 1162.

Conrad, J. L., A. J. Bibian, K. L. Weinersmith, D. De Carion, M. J. Young, P. Crain, E. L. Hestir, M. J. Santos and A. Sih (2016). "Novel Species Interactions in a Highly Modified Estuary: Association of Largemouth Bass with Brazilian Waterweed *Egeria densa*." Transactions of the American Fisheries Society 145(2): 249-263.

Conrad, J. L., E. Holmes, C. Jeffres, L. Takata, N. Ikemiyagi, J. Katz and T. Sommer (2016). "Application of Passive Integrated Transponder Technology to Juvenile Salmon Habitat Use on an Experimental Agricultural Floodplain." North American Journal of Fisheries Management 36(1): 30-39.

Corline, N. J., T. Sommer, C. A. Jeffres and J. Katz (2017). "Zooplankton ecology and trophic resources for rearing native fish on an agricultural floodplain in the Yolo Bypass California, USA." Wetlands Ecology and Management.

Davis, B. E., D. E. Cocherell, T. Sommer, R. D. Baxter, T. C. Hung, A. E. Todgham and N. A. Fanguie (2019). "Sensitivities of an endemic, endangered California smelt and two non-native fishes to serial increases in temperature and salinity: implications for shifting community structure with climate change." Conserv Physiol 7(1): coy076.

Davis, B. E., M. J. Hansen, D. E. Cocherell, T. X. Nguyen, T. Sommer, R. D. Baxter, N. A. Fanguie and A. E. Todgham (2019). "Consequences of temperature and temperature variability on swimming activity, group structure, and predation of endangered delta smelt." Freshwater Biology 64(12): 2156-2175.

Del Rio, A. M., B. E. Davis, N. A. Fanguie and A. E. Todgham (2019). "Combined effects of warming and hypoxia on early life stage Chinook salmon physiology and development." Conserv Physiol 7(1): coy078.

Feyrer, F., S. B. Slater, D. E. Portz, D. Odom, T. Morgan-King and L. R. Brown (2016). "Pelagic Nekton Abundance and Distribution in the Northern Sacramento–San Joaquin Delta, California." Transactions of the American Fisheries Society 146(1): 128-135.

Frantzich, J., T. Sommer and B. Scheier (2018). "Physical and Biological Responses to Flow in a Tidal Freshwater Slough Complex." San Francisco Estuary and Watershed Science 16(1).

Goertler, P. A. L., T. R. Sommer, W. H. Satterthwaite and B. M. Schreier (2017). "Seasonal floodplain-tidal slough complex supports size variation for juvenile Chinook salmon (*Oncorhynchus tshawytscha*)." Ecology of Freshwater Fish.

Grimaldo, L., F. Feyrer, J. Burns and D. Maniscalco (2017). "Sampling Uncharted Waters: Examining Rearing Habitat of Larval Longfin Smelt (*Spirinchus thaleichthys*) in the Upper San Francisco Estuary." Estuaries and Coasts.

Gundersen, D. T., S. C. Zeug, R. B. Bringolf, J. Merz, Z. Jackson and M. A. H. Webb (2017). "Tissue Contaminant Burdens in San Francisco Estuary White Sturgeon (*Acipenser transmontanus*): Implications for Population Recovery." Arch Environ Contam Toxicol 73(2): 334-347.

Hammock, B. G., R. Hartman, S. B. Slater, A. Hennessy and S. J. Teh (2019). "Tidal Wetlands Associated with Foraging Success of Delta Smelt." Estuaries and Coasts.

Hammock, B. G., S. P. Moose, S. S. Solis, E. Goharian and S. J. Teh (2019). "Hydrodynamic Modeling Coupled with Long-term Field Data Provide Evidence for Suppression of Phytoplankton by Invasive Clams and Freshwater Exports in the San Francisco Estuary." Environ Manage 63(6): 703-717.

Hammock, B. G., S. B. Slater, R. D. Baxter, N. A. Fanguie, D. Cocherell, A. Hennessy, T. Kurobe, C. Y. Tai and S. J. Teh (2017). "Foraging and metabolic consequences of semi-anadromy for an endangered estuarine fish." PLoS One 12(3): e0173497.

Hobbs, J. A., P. B. Moyle, N. Fanguie and R. E. Connon (2017). "Is Extinction Inevitable for Delta Smelt and Longfin Smelt? An Opinion and Recommendations for Recovery." San Francisco Estuary and Watershed Science 15(2).

Johnson, R. C., S. Windell, P. L. Brandes, J. L. Conrad, J. Ferguson, P. A. L. Goertler, B. N. Harvey, J. Heublein, J. A. Israel, D. W. Kratville, J. E. Kirsch, R. W. Perry, J. Pisciotto, W. R. Poytress, K. Reece and B. G. Swart (2017). "Science Advancements Key to Increasing Management Value of Life Stage Monitoring Networks for Endangered Sacramento River Winter-Run Chinook Salmon in California." San Francisco Estuary and Watershed Science 15(3).

Katz, J. V. E., C. Jeffres, J. L. Conrad, T. R. Sommer, J. Martinez, S. Brumbaugh, N. Corline and P. B. Moyle (2017). "Floodplain farm fields provide novel rearing habitat for Chinook salmon." PLoS One 12(6): e0177409.

Kayfetz, K. and W. Kimmerer (2017). "Abiotic and biotic controls on the copepod *Pseudodiaptomus forbesi* in the upper San Francisco Estuary." Marine Ecology Progress Series 581: 85-101.

Kimmerer, W. J., E. S. Gross, A. M. Slaughter and J. R. Durand (2018). "Spatial Subsidies and Mortality of an Estuarine Copepod Revealed Using a Box Model." Estuaries and Coasts.

Kimmerer, W. J., T. R. Ignoffo, K. R. Kayfetz and A. M. Slaughter (2017). "Effects of freshwater flow and phytoplankton biomass on growth, reproduction, and spatial subsidies of the estuarine copepod *Pseudodiaptomus forbesi*." Hydrobiologia.

Kurobe, T., P. W. Lehman, B. G. Hammock, M. B. Bolotaolo, S. Lesmeister and S. J. Teh (2018). "Biodiversity of cyanobacteria and other aquatic microorganisms across a freshwater to brackish water gradient determined by shotgun metagenomic sequencing analysis in the San Francisco Estuary, USA." PLoS One 13(9): e0203953.

Kurobe, T., P. W. Lehman, M. E. Haque, T. Sedda, S. Lesmeister and S. Teh (2018). "Evaluation of water quality during successive severe drought years within Microcystis blooms using fish embryo toxicity tests for the San Francisco Estuary, California." Sci Total Environ 610-611: 1029-1037.

Lehman, P. W., T. Kurobe, S. Lesmeister, D. Baxa, A. Tung and S. J. Teh (2017). "Impacts of the 2014 severe drought on the Microcystis bloom in San Francisco Estuary." Harmful Algae 63: 94-108.

Lehman, P. W., T. Kurobe, S. Lesmeister, C. Lam, A. Tung, M. Xiong and S. J. Teh (2018). "Strong differences characterize Microcystis blooms between successive severe drought years in the San Francisco Estuary, California, USA." Aquatic Microbial Ecology 81(3): 293-299.

Mahardja, B., J. L. Conrad, L. Lusher and B. M. Schreier (2016). "Abundance Trends, Distribution, and Habitat Associations of the Invasive Mississippi Silverside (*Menidia audens*) in the Sacramento–San Joaquin Delta, California USA." San Francisco Estuary and Watershed Science 14(1).

Mahardja, B., M. J. Farruggia, B. Schreier and T. Sommer (2017). "Evidence of a Shift in the Littoral Fish Community of the Sacramento-San Joaquin Delta." PLoS One 12(1): e0170683.

Mahardja, B., J. A. Hobbs, N. Ikemiyagi, A. Benjamin and A. J. Finger (2019). "Role of freshwater floodplain-tidal slough complex in the persistence of the endangered delta smelt." PLoS One 14(1): e0208084.

Mahardja, B., V. Tobias, S. Khanna, L. Mitchell, P. Lehman, T. Sommer, L. Brown, S. Culberson and J. L. Conrad (2020). "Resistance and resilience of pelagic and littoral fishes to drought in the San Francisco Estuary." Ecol Appl: e2243.

Mahardja, B., M. J. Young, B. Schreier and T. Sommer (2017). "Understanding imperfect detection in a San Francisco Estuary long-term larval and juvenile fish monitoring programme." Fisheries Management and Ecology 24(6): 488-503.

Mitchell, L., K. Newman and R. Baxter (2017). "A Covered Cod-End and Tow-Path Evaluation of Midwater Trawl Gear Efficiency for Catching Delta Smelt (*Hypomesus transpacificus*)." San Francisco Estuary and Watershed Science 15(4).

Phillis, C. C., A. M. Sturrock, R. C. Johnson and P. K. Weber (2018). "Endangered winter-run Chinook salmon rely on diverse rearing habitats in a highly altered landscape." Biological Conservation 217: 358-362.

Schreier, B. M., M. R. Baerwald, J. L. Conrad, G. Schumer and B. May (2016). "Examination of Predation on Early Life Stage Delta Smelt in the San Francisco Estuary Using DNA Diet Analysis." Transactions of the American Fisheries Society 145(4): 723-733.

Sellheim, K., M. Willmes, J. A. Hobbs, J. J. G. Glessner, Z. J. Jackson and J. E. Merz (2017). "Validating Fin Ray Microchemistry as a Tool to Reconstruct the Migratory History of White Sturgeon." Transactions of the American Fisheries Society 146(5): 844-857.

Sommer, T., J. L. Conrad and S. Culberson (2019). "Ten Essential Bay–Delta Articles." San Francisco Estuary and Watershed Science 17(2).

Ta, J., L. Anderson, M. Christman, S. Khanna, D. Kratville, J. Madsen, P. Moran and J. Viers (2017). "Invasive Aquatic Vegetation Management in the Sacramento–San Joaquin River Delta: Status and Recommendations." San Francisco Estuary and Watershed Science 15(4).

Takata, L., T. R. Sommer, J. Louise Conrad and B. M. Schreier (2017). "Rearing and migration of juvenile Chinook salmon (*Oncorhynchus tshawytscha*) in a large river floodplain." Environmental Biology of Fishes.

Young, M. J., J. L. Conrad, A. J. Bibian and A. Sih (2018). "The Effect of Submersed Aquatic Vegetation on Invertebrates Important in Diets of Juvenile Largemouth Bass, *Micropterus salmoides*." San Francisco Estuary and Watershed Science 16(2).