

Annual Literature Update
December 2019
IEP and Related Science

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.

Castillo, G. C., M. E. Sandford, T.-C. Hung, W.-R. Yang, G. Tigan, L. Ellison, J. C. Lindberg and E. E. Van Nieuwenhuyse (2019). "Evaluation of chromatophores as natural marks for delta smelt: the effects of life-stage and light intensity." Environmental Biology of Fishes **102**(9): 1137-1147.

Caudill, J. (2019). "Aquatic plant community restoration following the long-term management of invasive *Egeria densa* with fluridone treatments." Management of Biological Invasions **10**(3): 473-485.

Davis, B. E., D. E. Cocherell, T. Sommer, R. D. Baxter, T. C. Hung, A. E. Todgham and N. A. Fangue (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. Fangue 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. Fangue 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.

Drexler, J. Z., I. Woo, C. C. Fuller and G. Nakai (2019). "Carbon accumulation and vertical accretion in a restored versus historic salt marsh in southern Puget Sound, Washington, United States." Restoration Ecology.

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Hamda, N. T., B. Martin, J. B. Poletto, D. E. Cocherell, N. A. Fangue, J. Van Eenennaam, E. A. Mora and E. Danner (2019). "Applying a simplified energy-budget model to explore the effects of temperature and food availability on the life history of green sturgeon (*Acipenser medirostris*)."Ecological Modelling **395**: 1-10.

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.

Hobbs, J. A., L. S. Lewis, M. Willmes, C. Denney and E. Bush (2019). "Complex life histories discovered in a critically endangered fish." Sci Rep **9**(1): 16772.

Hutton, P. and S. Roy (2019). "Characterizing Early 20th Century Outflow and Salinity Intrusion in the San Francisco Estuary." San Francisco Estuary and Watershed Science **17**(2).

Lam, C. H., T. Kurobe, P. W. Lehman, M. Berg, B. G. Hammock, M. E. Stillway, P. K. Pandey and S. J. Teh (2019). "Toxicity of herbicides to cyanobacteria and phytoplankton species of the San Francisco Estuary and Sacramento-San Joaquin River Delta, California, USA." J Environ Sci Health A Tox Hazard Subst Environ Eng: 1-12.

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Murphy, D. D. and P. S. Weiland (2019). "The low-salinity zone in the San Francisco Estuary as a proxy for delta smelt habitat: A case study in the misuse of surrogates in conservation planning." Ecological Indicators **105**: 29-35.

Reddy, A. M., P. D. Pratt, J. V. Hopper, X. Cibils-Stewart, G. C. Walsh and F. Mc Kay (2019). "Variation in cool temperature performance between populations of Neochetina eichhorniae (Coleoptera: Curculionidae) and implications for the biological control of water hyacinth, Eichhornia crassipes, in a temperate climate." Biological Control **128**: 85-93.

Rodgers, E. M., J. B. Poletto, D. F. Gomez Isaza, J. P. Van Eenennaam, R. E. Connon, A. E. Todgham, A. Seesholtz, J. C. Heublein, J. J. Cech, Jr., J. T. Kelly and N. A. Fangue (2019). "Integrating physiological data with the conservation and management of fishes: a meta-analytical review using the threatened green sturgeon (*Acipenser medirostris*)."Conserv Physiol **7**(1): coz035.

Sandford, M., G. Castillo and T. C. Hung (2019). "A review of fish identification methods applied on small fish." Reviews in Aquaculture.

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

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Thorne, K. M., C. M. Freeman, J. A. Rosencranz, N. K. Ganju and G. R. Guntenspergen (2019). "Thin-layer sediment addition to an existing salt marsh to combat sea-level rise and improve endangered species habitat in California, USA." Ecological Engineering **136**: 197-208.

Tully, K., K. Gedan, R. Epanchin-Niell, A. Strong, E. S. Bernhardt, T. BenDor, M. Mitchell, J. Kominoski, T. E. Jordan, S. C. Neubauer and N. B. Weston (2019). "The Invisible Flood: The Chemistry, Ecology, and Social Implications of Coastal Saltwater Intrusion." BioScience **69**(5): 368-378.

Zarri, L. J., E. M. Danner, M. E. Daniels, E. P. Palkovacs and R. Arlinghaus (2019). "Managing hydropower dam releases for water users and imperiled fishes with contrasting thermal habitat requirements." Journal of Applied Ecology **56**(11): 2423-2430.