

2015/16 Class of Science Fellows

<i>Postdoctoral Fellow</i>	<i>Topic</i>	<i>Lead Institutions</i>	<i>Community Mentor</i>	<i>Funding Agency</i>	<i>Funding Amount</i>	<i>Priority Research Topics</i>
Julie Hopper	The effectiveness of a water hyacinth weevil as a biological control agent of the invasive water hyacinth.	UC Berkeley & UC Davis	USDA/ARS/WRRC, Department of Water Resources, Sacramento-San Joaquin Delta Conservancy	DSP	\$197,903.00	Science supporting flood risk reduction and the economies of Delta communities (Table 2, topic 4).
Ivy Huang	Sediment dynamics during (and after) the drought in the Delta.	Stanford University	USGS - California Water Science Center	DSP	\$180,190.00	Assessing drought-related effects on the Delta (Table 2, topic 1).
Joseph Smith	The effect of drought on the distribution and movement of a non-native predator (striped bass).	University of Washington	NOAA Fisheries	DSP and NOAA NMFS Southwest Fisheries Science Center	\$188,243.00	Assessing drought-related effects on the Delta (Table 2, topic 1). Science support for management of estuarine and migratory species (Table 2, topic 3).
<i>Doctoral Fellow</i>	<i>Topic</i>	<i>Lead Institutions</i>	<i>Community Mentor</i>	<i>Funding Agency</i>	<i>Funding Amount</i>	<i>Priority Research Topics</i>
Huajin (Jessica) Chen	Modeling pesticide fluxes in the Delta and exploring the effects of pesticide loadings on three insects introduced for invasive weed control.	UC Davis	NASA	DSP	\$103,867.00	Science supporting flood risk reduction and the economies of Delta communities (Table 2, topic 4). Assessing drought-related effects on the Delta (Table 2, topic 1).
Brittany Davis	The impacts of multiple stressors, including climate change and salinity, on the physiological performance and predator-prey dynamics in native and non-native delta fishes.	UC Davis	CA Department of Water Resources & CA Department of Fish & Wildlife	DSP	\$106,819.00	Assessing drought-related effects on the Delta (Table 2, topic 1).
Denise DeCarion	The ecological functions of tidal marsh for estuarine and migratory fishes in the Suisun Marsh.	UC Davis	CA Department of Water Resources	DSP	\$116,138.00	Assessing drought-related effects on the Delta (Table 2, topic 1). Effectiveness and implications of habitat restoration actions (Table 2, topic 2). Science support for management of estuarine and migratory species (Table 2, topic 3).
Marissa Giroux	The effects of early hypersaline acclimation due to climate change on the toxicity of pyrethroid, an insecticide, in salmonids.	UC Riverside	USGS & Department of Pesticide Regulation	SFCWA	\$129,594.00	Assessing drought-related effects on the Delta (Table 2, topic 1). Science support for management of estuarine and migratory species (Table 2, topic 3).

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Jennifer Harfmann	The effect of particulate organic carbon composition on zooplankton growth in tidal wetlands.	UC Davis	USGS	DSP	\$104,605.00	Effectiveness and implications of habitat restoration actions (Table 2, topic 2) .
Kyle Hemes	Annual greenhouse gas fluxes in drained and restored wetlands in the Delta, to determine the potential net benefit of wetland restoration.	UC Berkeley	CA Department of Water Resources & HydroFocus	DSP	\$114,909.00	Science supporting flood risk reduction and the economies of Delta communities (Table 2, topic 4) .
Megan Kelso	The effects of drought and elevated nutrients on invasion by perennial pepperweed and implications for carbon storage in tidal wetlands.	UC Davis	USGS - California Water Science Center, Sacramento-San Joaquin Delta Conservancy	DSP	\$104,444.00	Assessing drought-related effects on the Delta (Table 2, topic 1) .
Sophie Taddeo	Developing a methodological framework to assess the effectiveness of previous restoration efforts to inform future restoration planning.	UC Berkeley	San Francisco Estuary Institute	DSP	\$131,938.00	Effectiveness and implications of habitat restoration actions (Table 2, topic 2) .
Alison Whipple	Spatio-temporal variation of floodplain habitat for restoration management.	UC Davis & UC Merced	The Nature Conservancy	DSP	\$101,911.00	Effectiveness and implications of habitat restoration actions (Table 2, topic 2) . Science support for management of estuarine and migratory species (Table 2, topic 3) .

Total amount funded: \$1,580,561.00

[Table 2 is from the Delta Agency Science Workgroup's 2015-2016 High-Impact Science Actions]