



DELTA STEWARDSHIP COUNCIL
DELTA SCIENCE PROGRAM

CDFW
Watershed Restoration
Grants Branch



The Delta Science Program, the Ecosystem Restoration Program, and the Surface Water Ambient Monitoring Program
Jointly Present a Brown Bag Seminar Series.

Deconstructing the Current California Drought

One of a series previewing the upcoming *State of Bay-Delta Science 2016*

Wednesday, September 7th
Noon to 1:00
Park Tower Plaza
2nd Floor Conference Room
980 Ninth St., Sacramento, CA



featuring

Michael Dettinger, Ph.D.

US Geological Survey
Senior Scientist - Research Hydrologist



Lake Oroville - July 20, 2011



Lake Oroville - September 5, 2014

Aerial views of Lake Oroville on July 20, 2011 (above) and Sept. 5, 2014 (below). Photos by Paul Hames (DWR) and Kelly Grow (DWR), respectively.

Climate change is a rapidly approaching stressor in the Sacramento-San Joaquin Delta that will challenge water resources and ecosystem management.

California, currently in its fifth year of severe drought, is now identified with large shifts towards persistent dry periods, separated by large storms, and accompanied by record-breaking warm temperatures. These conditions are characteristic of droughts projected to accompany climate change.

In this seminar, Dr. Michael Dettinger will present his analysis of the multi-year deficits that have accumulated during this drought including deficits in precipitation, snowpack, streamflow, reservoir storage, hydropower generation, etc. By converting these deficits into comparable units, he can assess the collective effects of the drought and identify which resources have recovered and which have not.

The *State of Bay-Delta Science (SBDS) 2016* is a collection of papers that summarizes the scientific understanding of the Sacramento-San Joaquin Delta. It will include a report by Dr. Michael Dettinger on climate change, and implications for water-supply reliability and ecosystems in the Delta. The report will be available later in 2016 via the San Francisco Estuary & Watershed Science journal: http://escholarship.org/uc/jmie_sfews

For more info: Nir Oksenberg, (916) 445-0715, nir.oksenberg@deltacouncil.ca.gov

[Please click here](#) for instructions on how to watch via WebEx