**Top 3 successes:**

1) Completed a 52-page draft manuscript describing our methodology (currently in internal review): Matchett, E. L., J. P. Fleskes, C. A. Young, and D. R. Purkey.  201x. A framework for modeling anthropogenic impacts on waterbird habitats: addressing future uncertainty in conservation planning.The paper has been formatted for submittal to the journal "Environmental Modeling and Software".

2) Delivered project update: Fleskes, J. P., E.L. Matchett, M.J. Petrie, D.R. Purkey, C.A. Young,M.E. Reiter, J. M. Eadie, M. L. Miller, and K. M. Ringelman. 2012. Understanding impacts of climate change, urbanization, and water management on habitat and ecology of waterfowl, shorebirds, and other waterbirds: Guidance for the California LCC and other wetland habitat conservation programs in the Pacific Flyway.   Progress Update 27 Nov 2012.  Data Summary.  USGS-Western Ecological Research Center, Sacramento, California.

3) Described project results via several articles and presentations:

**Articles**

-Accounting for climate, urbanization, and water supply management in wetland habitat conservation planning.  Central Valley Joint Venture Newsletter (Summer 2013) and California Landscape Conservation Cooperative Website (Article)

-Climate, urbanization, and water supply management in Central Valley wetland habitat conservation.  USGS WERC-Biweekly Update.  August 1-15, 2013 Issue 2.13.

-Project Summary: Projected impacts of climate, urbanization, and water supply management on habitats and ecology of pintails and other waterfowl in the Central Valley of California.2012 Pintail Action Group Annual Newsletter.

**Project presentations at:**

-11th Biennial State of the San Francisco Estuary Conference 29-30 Oct 2013, Oakland, California.

 -The Future of Water in California: Integrating Climate, Water and Policy.  8 April 2013, Sacramento, California.

  - Ecology and Conservation of North American Waterfowl.  27-31 January 2013, Memphis, Tennessee.

- Bay Delta Science Conference: California Land Conservation Cooperative Special Session on Climate Change.  October 2012, Sacramento, California.

**How we have delivered science to managers:**  We have met several times with the Central Valley Joint Venture Science Coordinator to discuss approaches to incorporate project results into the CVJV Implementation Plan Update.  We have also continued to work with the CVJV Waterfowl Working group to deliver project results to managers.  We have also worked with UC Davis scientists to incorporate results in a modeling approach that will allow an evaluation of impacts of habitat distribution on ecology of waterbirds.  Finally, we collaborated with a multi-discipline group to develop a proposal that will incorporate our method and results into a water supply management model that holistically accounts for all water demands including agricultural economics, fisheries, and other demands.

**The LCC funding** has allowed us to continue work on this project and begin delivery of results to managers.  Without the LCC funding we would not have been able to consider joining the multi-discipline proposal. that could result in providing a holistic water supply management approach for California.