# Mountain Meadow Ecosystem Restoration

**WETLANDS AND WATERSHED RESTORATION**
**CUMULATIVE ALLOCATION: $5.9M**
**CUMULATIVE IMPLEMENTED FUNDS: $5.9M**

Projects restore or enhance mountain meadow ecosystems and reduce GHG emissions through carbon sequestration and avoided emissions.

### Program Benefits

Restores or enhances the meadow's ability to sequester carbon using various techniques such as pond and plug restoration, riparian fencing, and restoring natural dominant plant communities to enhance the carbon sequestration capacity of the restored meadows.

Due to the remote locations of these projects they do not provide benefits to disadvantaged communities.

Co-benefits include: habitat restoration and enhancement increased late season flows downstream of mountain meadows, reduction and delay of peak flows within and downstream of mountain meadows, increased water storage capacity in mountain meadows, and protection and provision of climate refugia.

| | Awarded | Implemented |
|---|---|---|
| 2016 | $0 | $0 |
| Cumulative | $5.9M | $5.9M |

**Cumulative Statistics for Implemented Funds**

**GHG BENEFITS**

52,100 $MTCO_2e$

**DISADVANTAGED COMMUNITY BENEFITS**

Located In

$0 | 0%

Benefiting

$0 | 0%

**TIMEFRAME**

2018 - 2068

## Sacramento-San Joaquin Delta and Coastal Wetlands

**WETLANDS AND WATERSHED RESTORATION**
**CUMULATIVE ALLOCATION: $15.4M**
**CUMULATIVE IMPLEMENTED FUNDS: $15.4M**

Projects restore or enhance Sacramento-San Joaquin Delta and coastal wetlands and achieve GHG emission reductions through carbon sequestration and avoided emissions.

### Program Benefits

Increases carbon sequestration capacity and protects long-term carbon storage levels by restoring or enhancing Delta and coastal wetlands.

Disadvantaged community benefits include: increased access to open space, recreation and other community assets, improved air quality, socioeconomic benefits, and flood protection/safety.

Co-benefits include: habitat restoration and enhancement; improved habitat connectivity; improved flood protection for local communities; reduction or reversal of land subsidence; protection and improvement of water quality through filtration and pollution reduction; and enhanced climate readiness.

| | Awarded | Implemented |
|---|---|---|
| 2016 | $0 | $0 |
| Cumulative | $15.4M | $15.4M |

### Cumulative Statistics for Implemented Funds

**GHG BENEFITS**

518,800 $MTCO_2e$

**DISADVANTAGED COMMUNITY BENEFITS**

Located In

$13.4M | 87%

Benefiting

$13.4M | 87%

**TIMEFRAME**

2020 - 2070

## Delta Wetlands Restoration

The San Joaquin-Sacramento River Delta is the cradle which nurtures the drinking water supply of more than 23 million Californians and much of the State's farm land. But measurements show land on Sherman Island has sunk as much as 28 feet below sea level as the State's population and demand for water have grown.

If that sounds like a serious problem, it is.

That's why California Climate Investments is providing more than $10 million to improve the situation. The Cap-and-Trade money is being used to restore up to 1,700 acres of permanent wetland on Sherman Island. The effort should help that area stop sinking and actually start to come back, bit by bit.

"I have been in a unique position to witness the ongoing research that has been conducted on Twitchell and Sherman Islands over the last 20 years," says Juan Mercado who watches over Sherman Island as President of the area's reclamation district. "That research has shown how wetlands constructed on peat soils can not only stop sinking, but also begin to rise again."

The California Department of Water Resources, University of California, Berkeley, US Department of Energy, and Ducks Unlimited are collaborating on this project. Restoring these wetlands will not only help stabilize an area that supplies millions of Californians with drinking water, it will also sequester as much as a half-million tons of carbon.

The restoration on Sherman Island will also improve flood protection, provide critical wildlife habitat, as well as provide recreational and economic opportunities for disadvantaged communities in south Sacramento County.
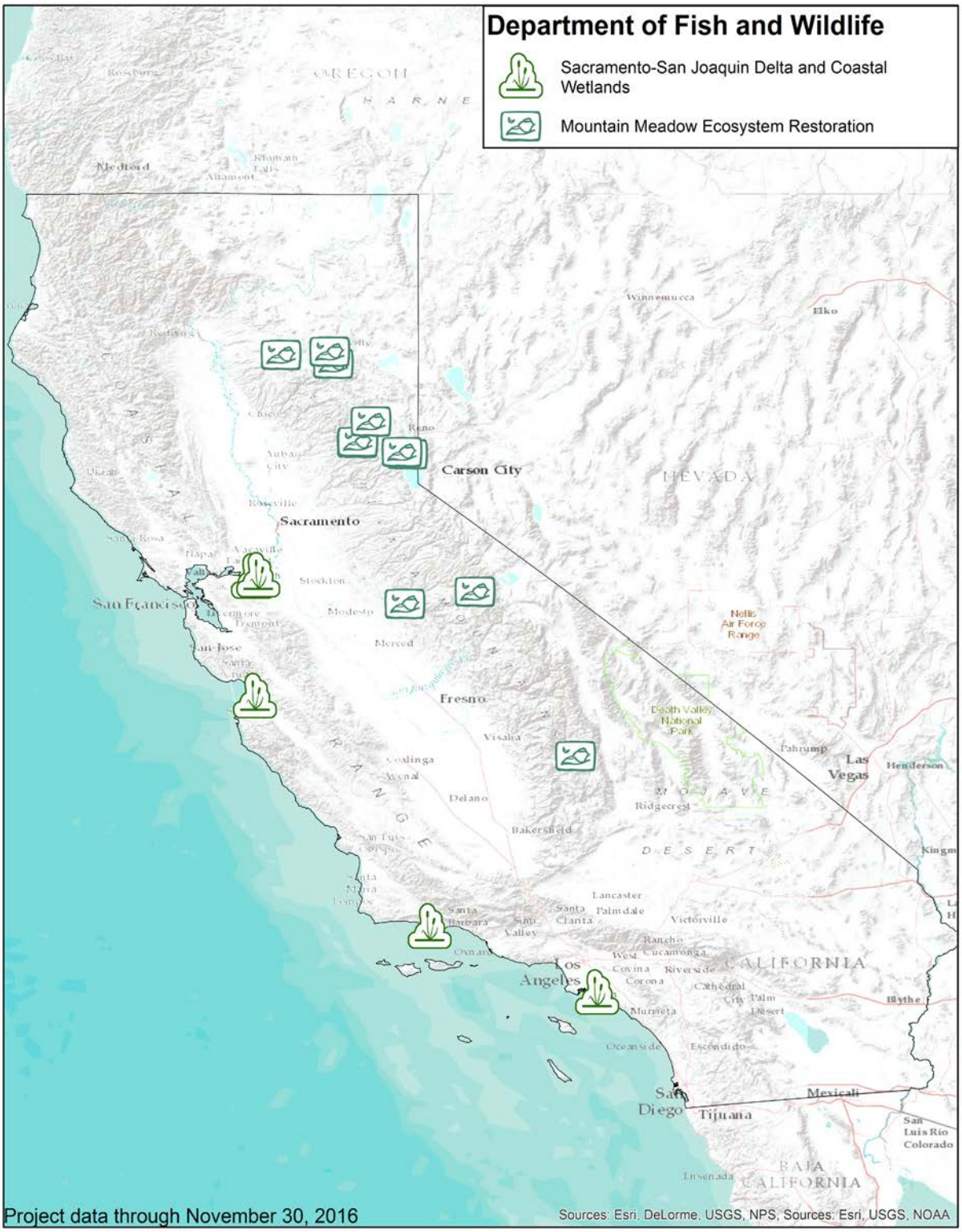
**Figure 26: Sacramento-San Joaquin Delta and Coastal Wetland and Mountain Meadow Ecosystem Restoration Projects**