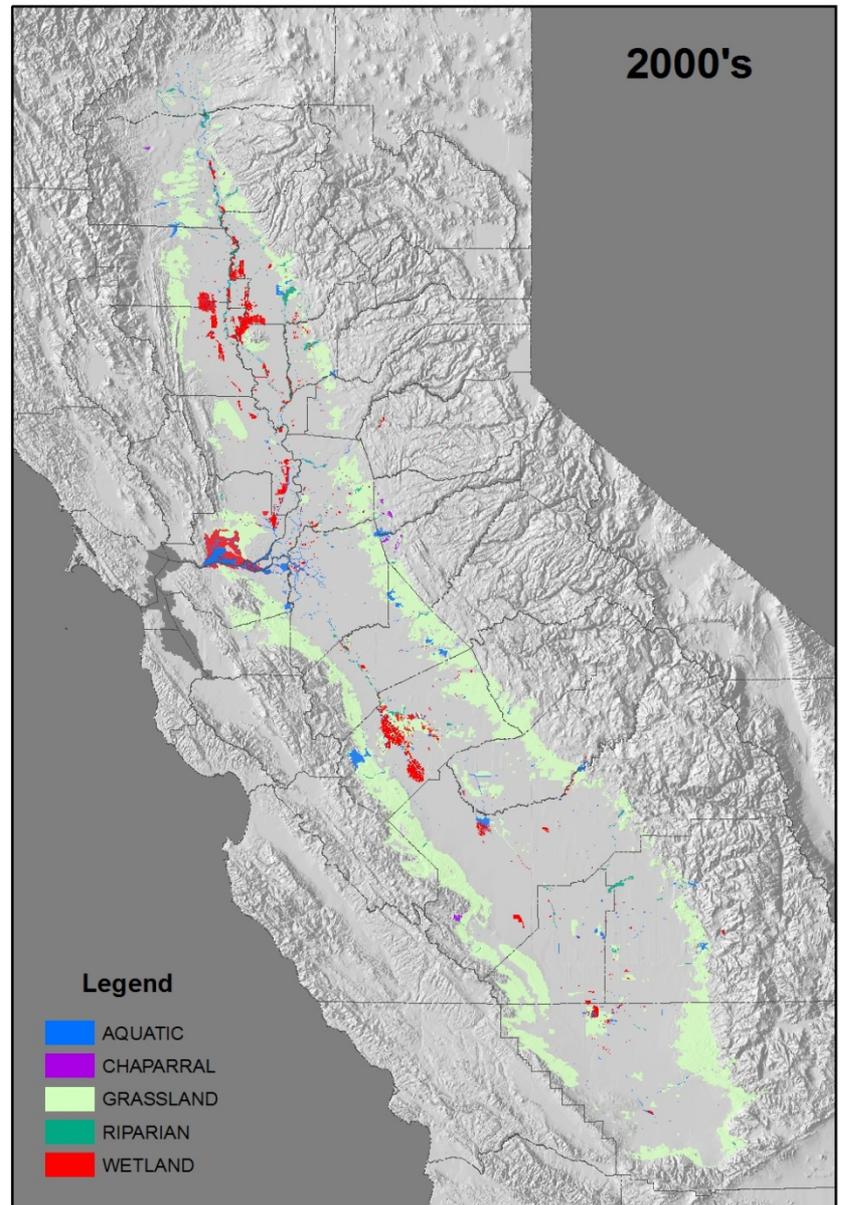
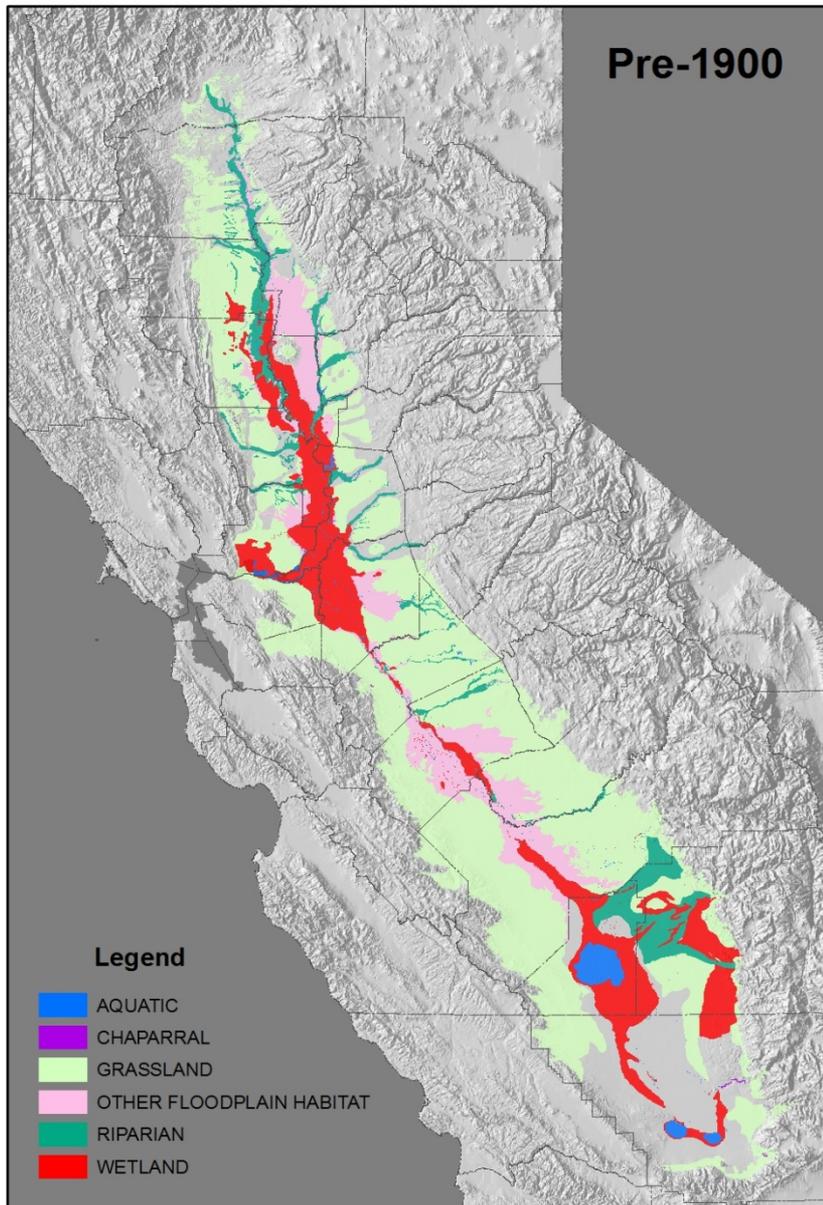


A Summary of Moist Soil Wetland Management in the Central Valley

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Data Sources: Central Valley Historic Mapping Project, GIC, Chico State; Modern Wetlands, Ducks Unlimited & Central Valley Joint Venture
Map Design: Ducks Unlimited, Western Regional Office

Importance of Seasonal Wetlands in CV

- Sustain migratory birds over winter and prepare them for migration
- Provide stopover habitat for birds wintering farther south and year-round habitat for resident wildlife
- Filter contaminants from water, reduce flood peaks, and recharge groundwater, sequester carbon

SEASONAL WETLAND PRODUCTIVITY

- Moist soil conditions promote robust germination of annual forage plants
- Strategic irrigations optimize plant growth and seed development
- Shallow flooding (1" – 18") during fall/winter provide access to food resources for a variety of wildlife.



KEYS TO EFFECTIVE MOIST SOIL MANAGEMENT

- **Water Availability**
- **Water Control**
- **Capable Management Personnel**



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Moist Soil Management Annual Timeline

- Wetland Drawdown for Plant Germination – Mar. – April
- 1-2 Irrigations every 30 days in spring
- Low intensity soil disturbance to set back succession and promote desirable vegetation
- Fall floodup Aug. – Sept.

Wetland Drawdown for Plant Germination – Mar. – April



1-2 Irrigations every 30 days in Spring



Low intensity soil and/or plant disturbance to set back succession and promote desirable vegetation



Fall floodup - Sept. – Oct.



IMPORTANCE TO WATER BIRDS

- MSM wetlands produce increased forage over natural wetlands
- Efficient water delivery results in desired plant growth and wetland flooding timelines can be adjusted to maximize benefits to water birds.



Questions?