### CLIMATE CHANGE(D): WEATHERING EXTREMES TOGETHER MODULE 2

# SEA LEVEL RISE AND FRESHWATER DROP



**Kendall Webster,**Sonoma Land Trust

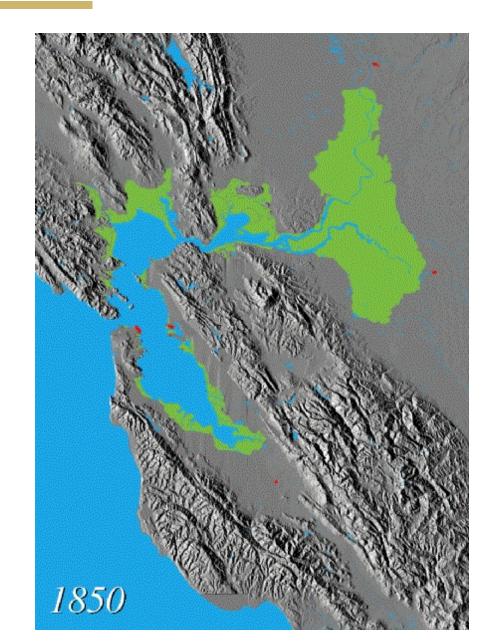


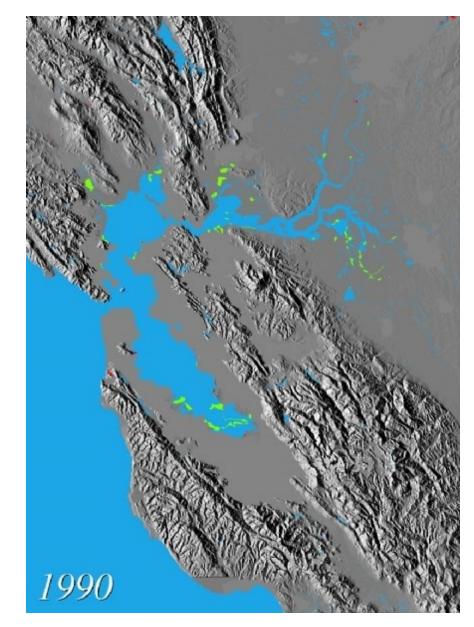


San Pablo Baylands Vision



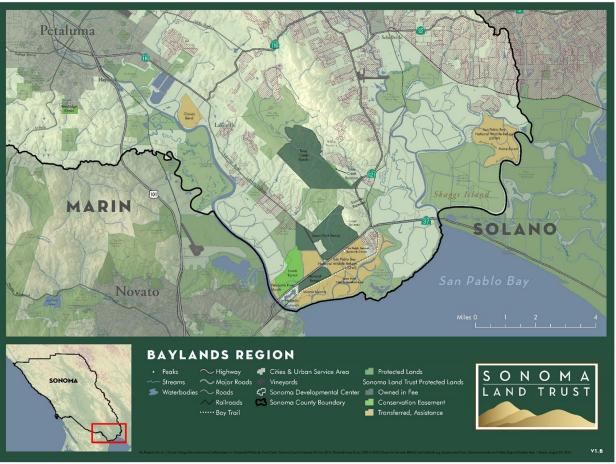
#### CONTEXT



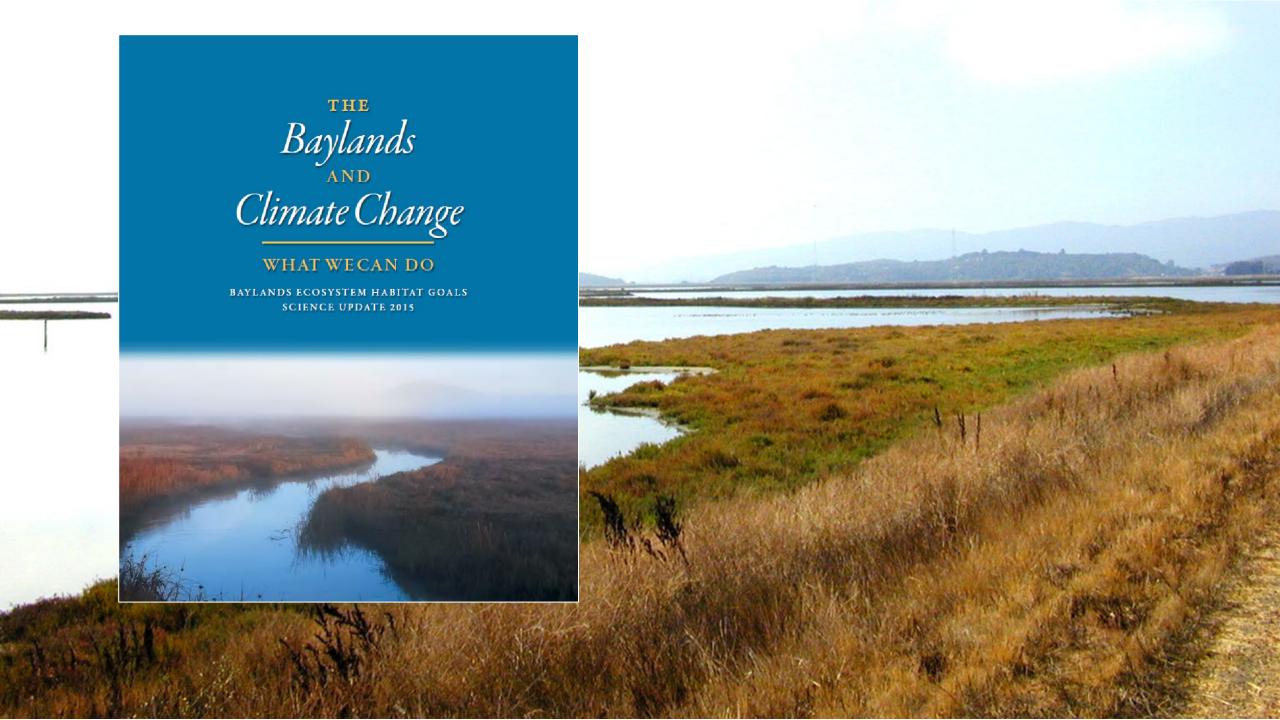


#### CONTEXT



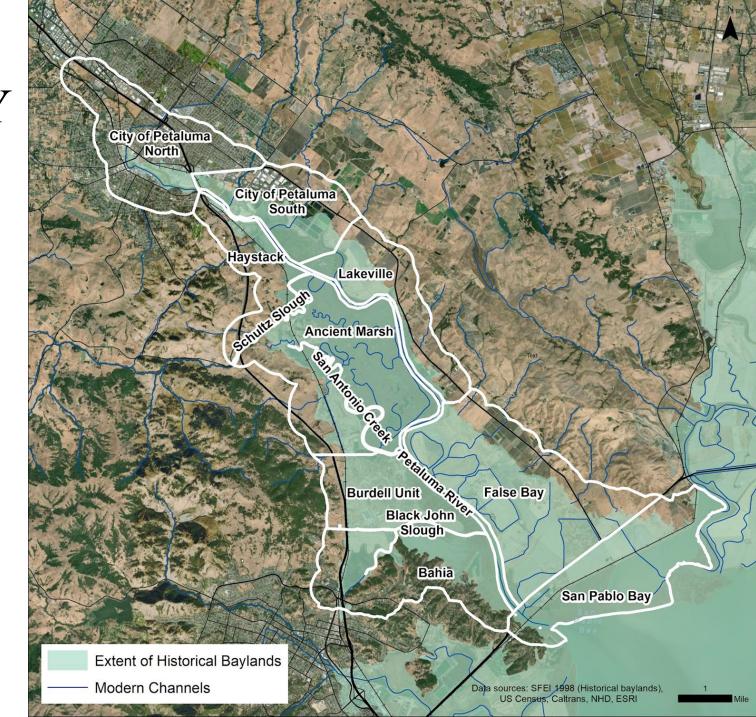








### PETALUMA RIVER BAYLANDS STRATEGY







# SONOMA CREEK BAYLANDS STRATEGY

#### Purpose and Goals

- Implement the Baylands Ecosystem Habitat Goals
- Restoration: Support property acquisition and restoration design
- Infrastructure: Recommendations for protection
- Public Access: Establish guidelines





### SONOMA CREEK







## SONOMA CREEK BAYLANDS STRATEGY

### Design Alternative

- Remove levees to alleviate flooding.
- Excavate new channels across diked baylands.
- Place fill next to existing channel marshes.
- Use existing marsh in channels as nucleus of new marshes.
- Focus on alluvial fans.



