

# California Water: A Shared Issue.



*Too Little Fresh Water  
When We Need  
Where We Need It.*

*Too Much Salt Water  
Where We Don't Want It.*

*Will Travis, Executive Director*  
San Francisco Bay Conservation and Development Commission



## Decreasing California Snowpack

Historical Average (1961–1990)



2070–2099

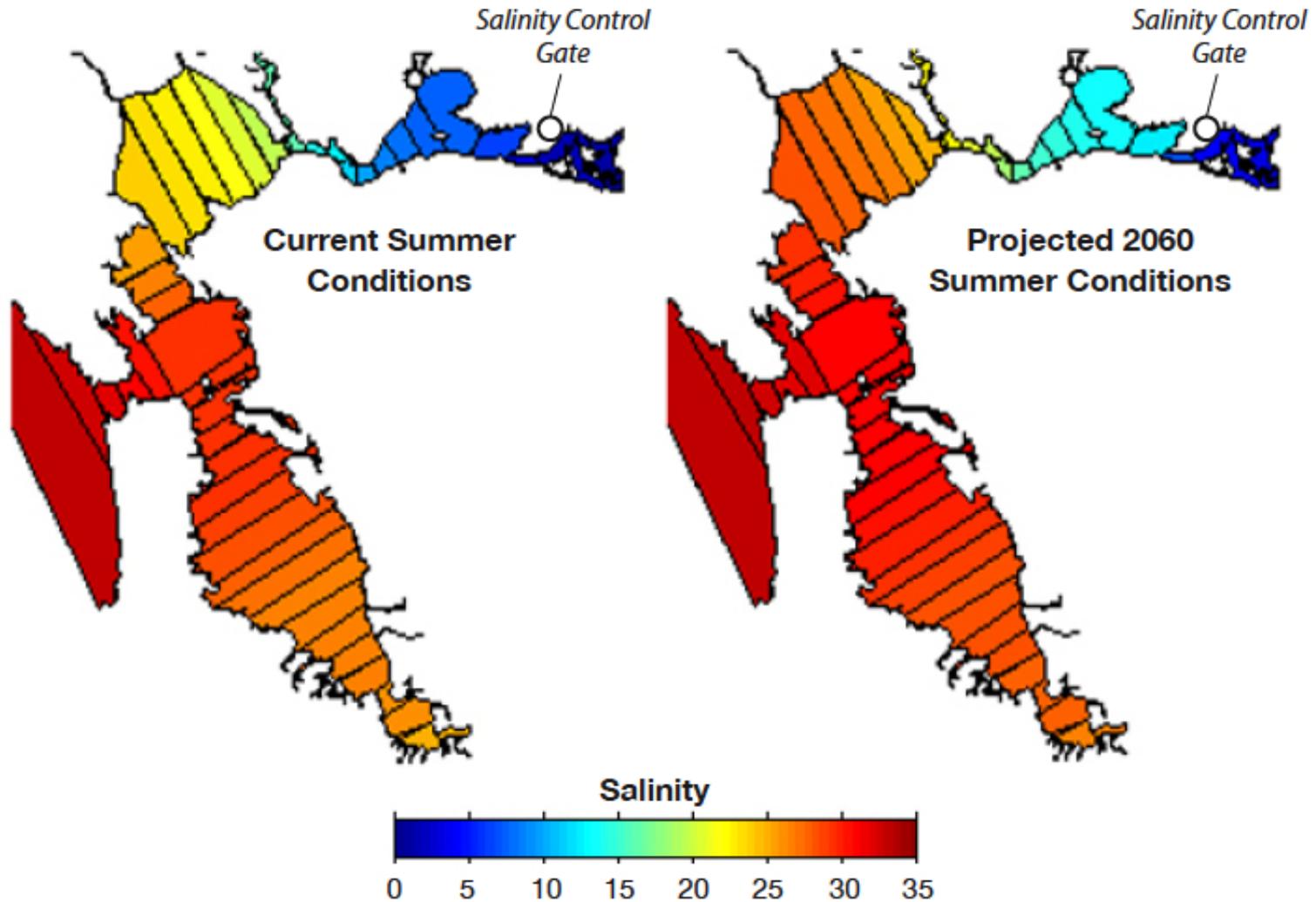
Lower Warming Range  
Drier Climate



Medium Warming Range  
Drier Climate



# Salinity Change in the Bay and Suisun Marsh



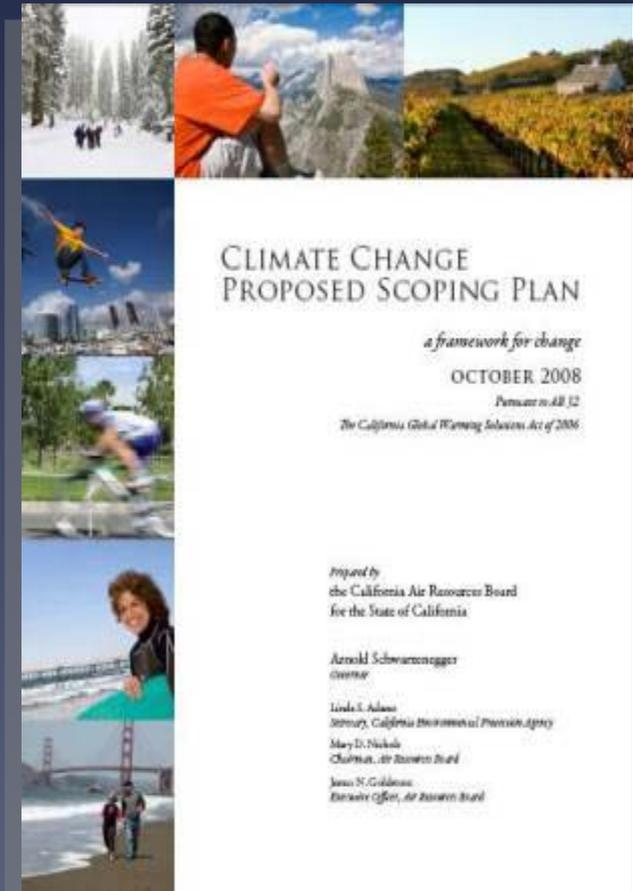
Wet-Year summer salinity field shifts upstream  
10-15km due to reduced spring/summer  
snowmelt runoff



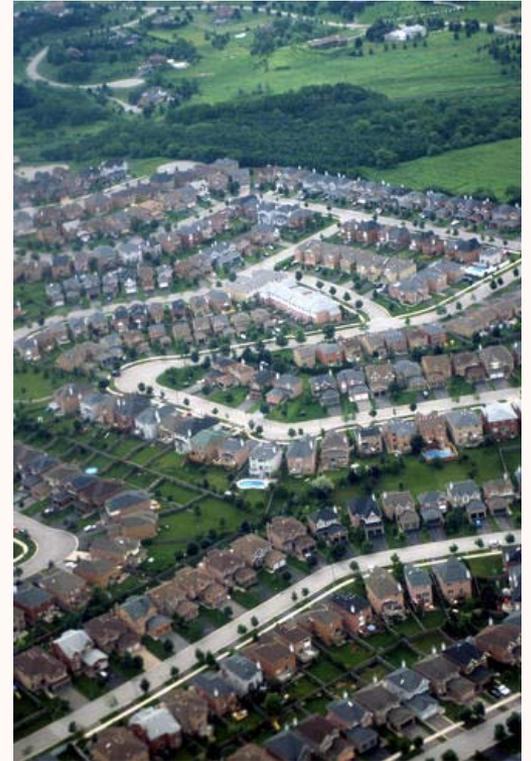
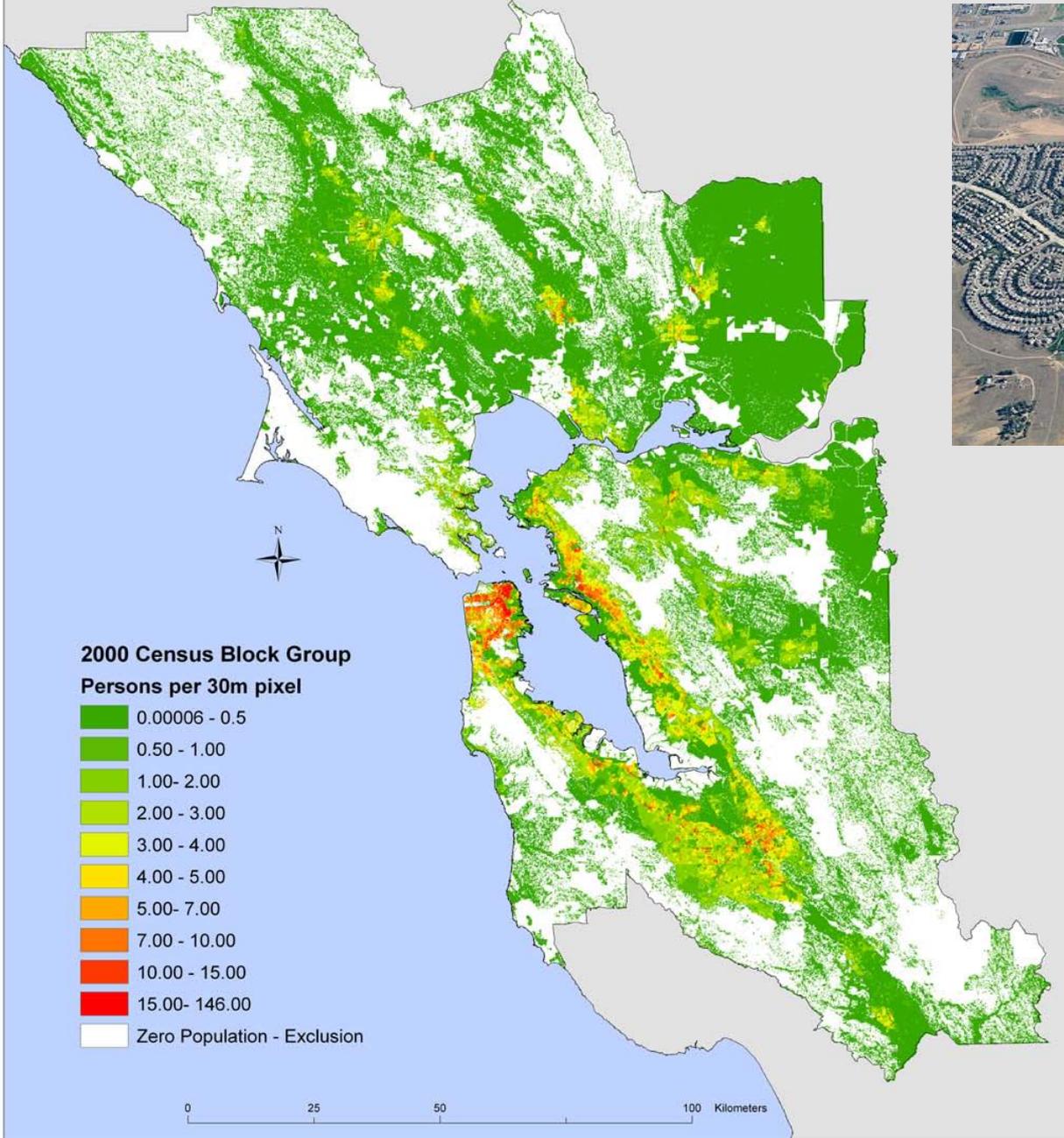


# California Statewide Climate Change Emissions Reduction Programs

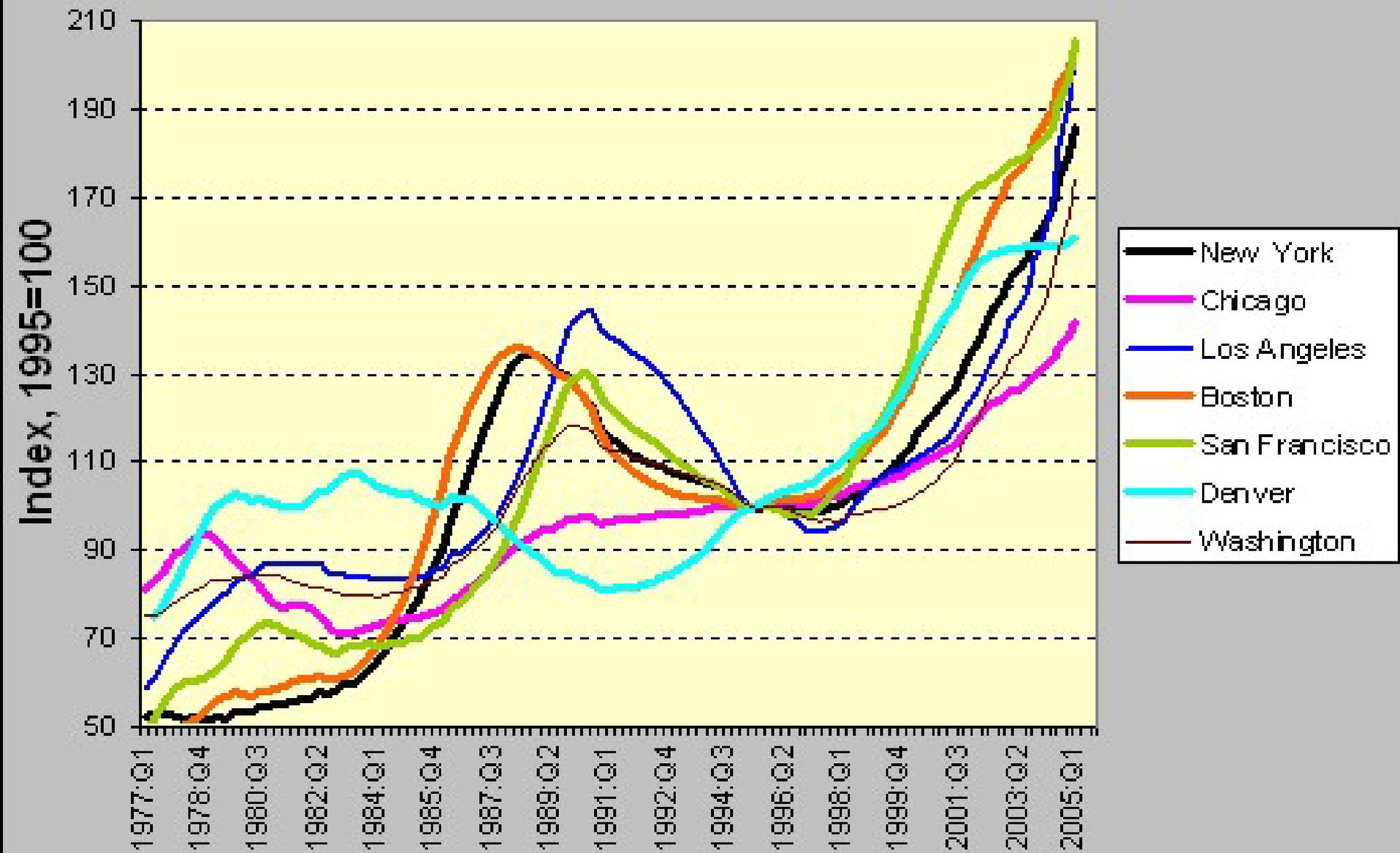
- \* **AB 1493 (2002) Pavley Bill**
  - \* Vehicles sold in California must emit 20% fewer GHGs by 2012 and 30% fewer by 2016
- \* **AB 32 (2006) Global Warming Solutions Act**
  - \* Reduce GHG emissions at least 20% by 2020
- \* **SB 375 (2008)**
  - \* Requires regional plans to address GHG emissions from land use and transportation



# 2000 Population Density for the San Francisco Bay Region



# Inflation-adjusted House Prices by Metro Area, 1977-2005



A red arrow-shaped sign with a white border, pointing to the right. The sign is mounted on a metal post and is set against a background of trees and a house. The text on the sign is in a bold, white, serif font.

**HOME**  
**FOR**  
**SALE**

 Tracy  
Stockton  
JCT 1 MILE

 TO SOUTH   
Fresno  
Los Angeles

Grant Line Rd  
Byran 





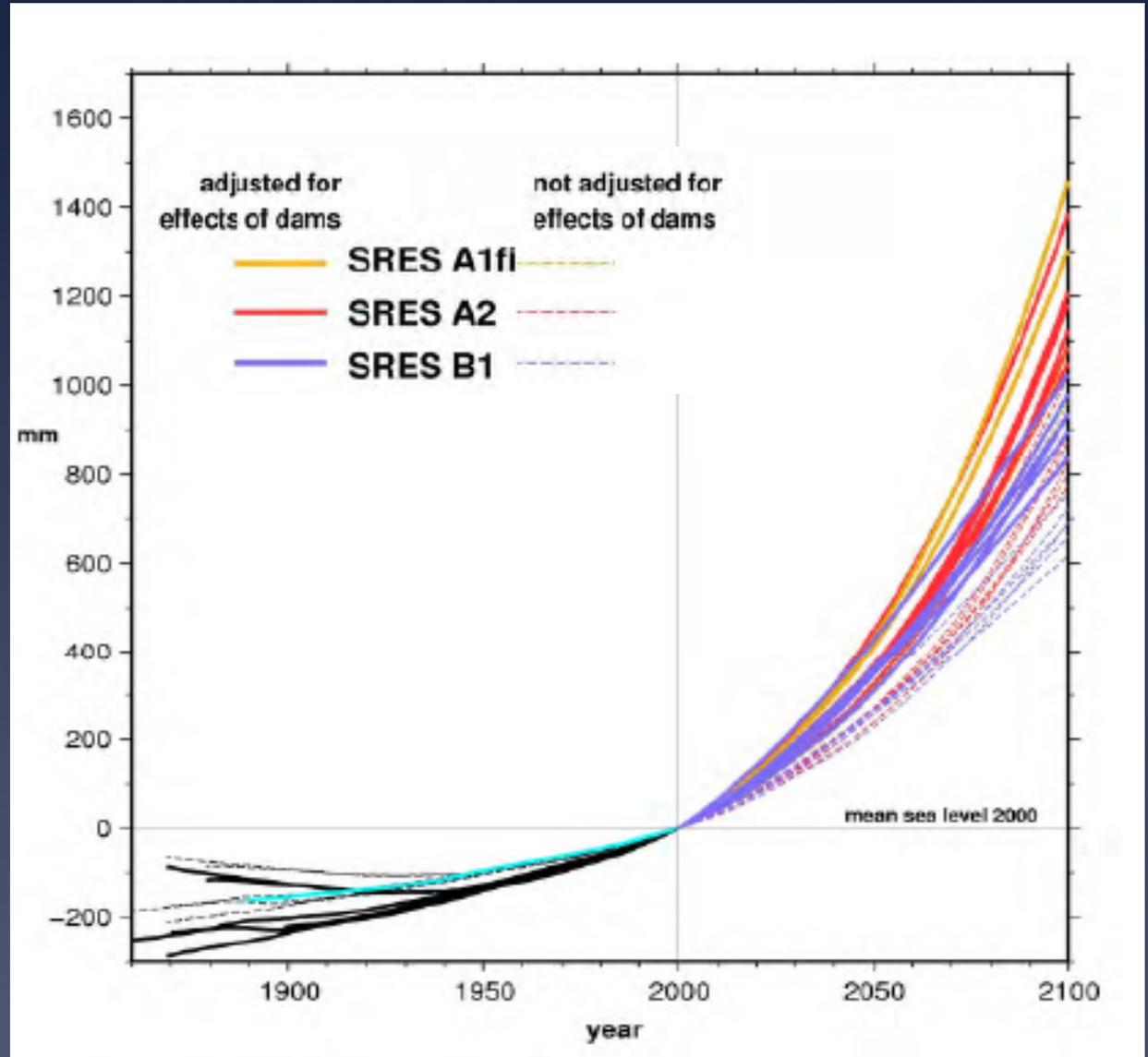




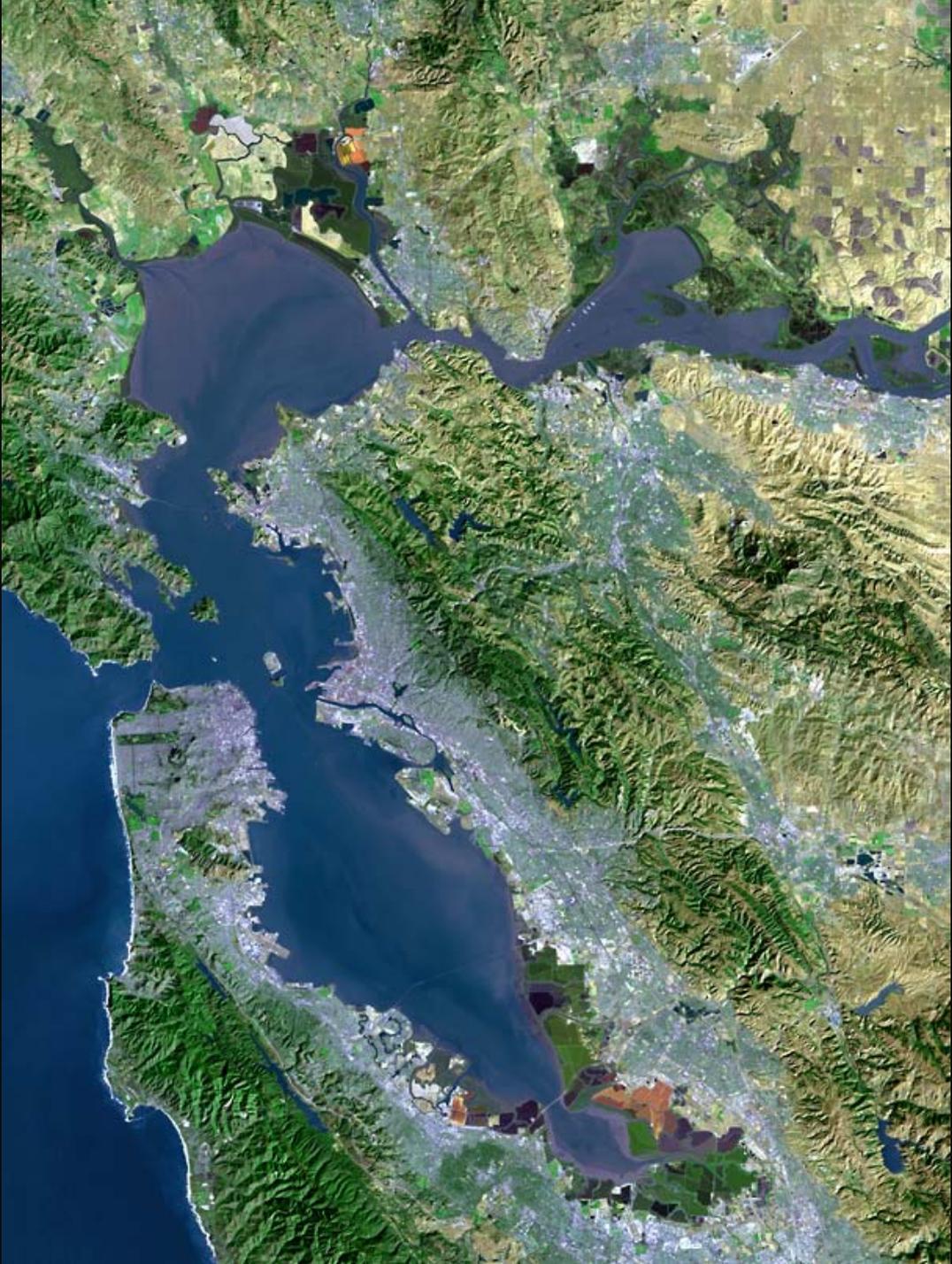
# Projected Sea Level Rise

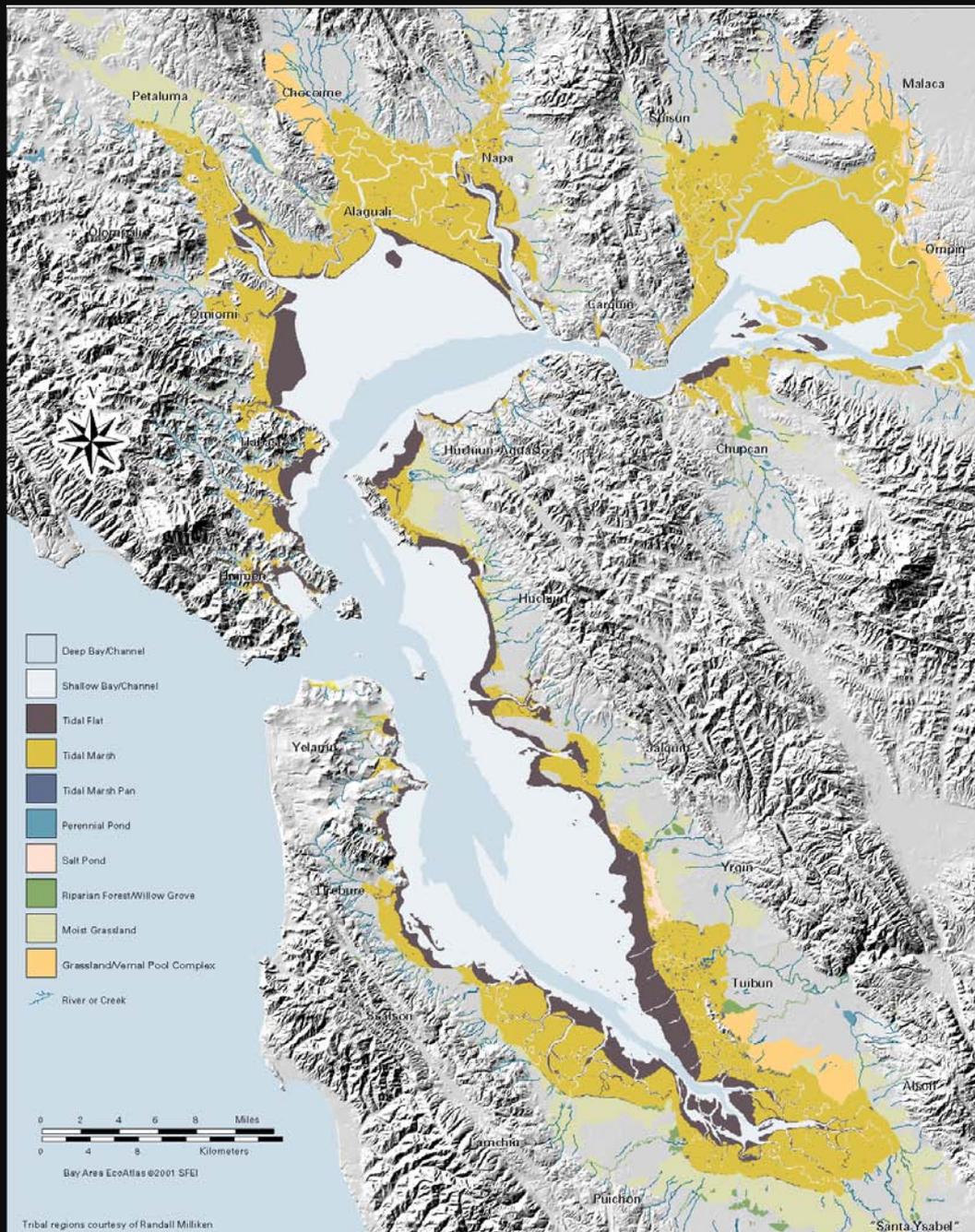
Three Emissions Scenarios:

- A1fi – High
- A2 – Medium High
- B1 - Low



Source: California Climate Action Team Report 2009









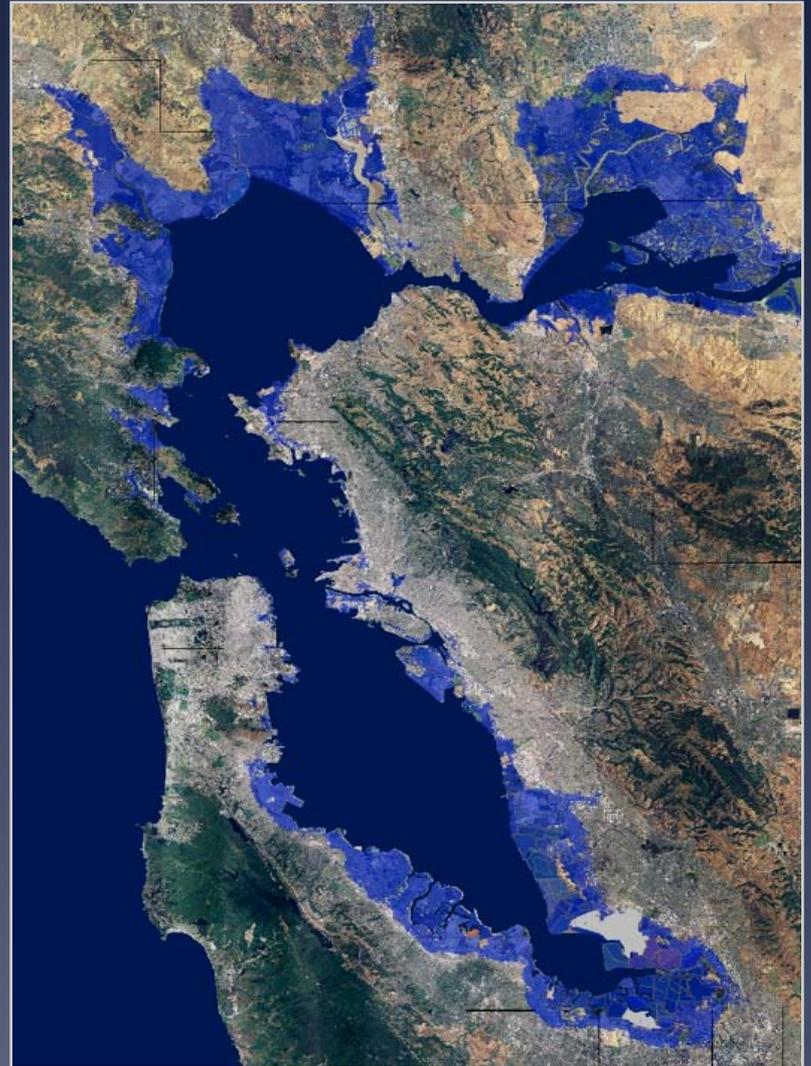
UNCONTROLLED  
BAY FILL CO.



1849



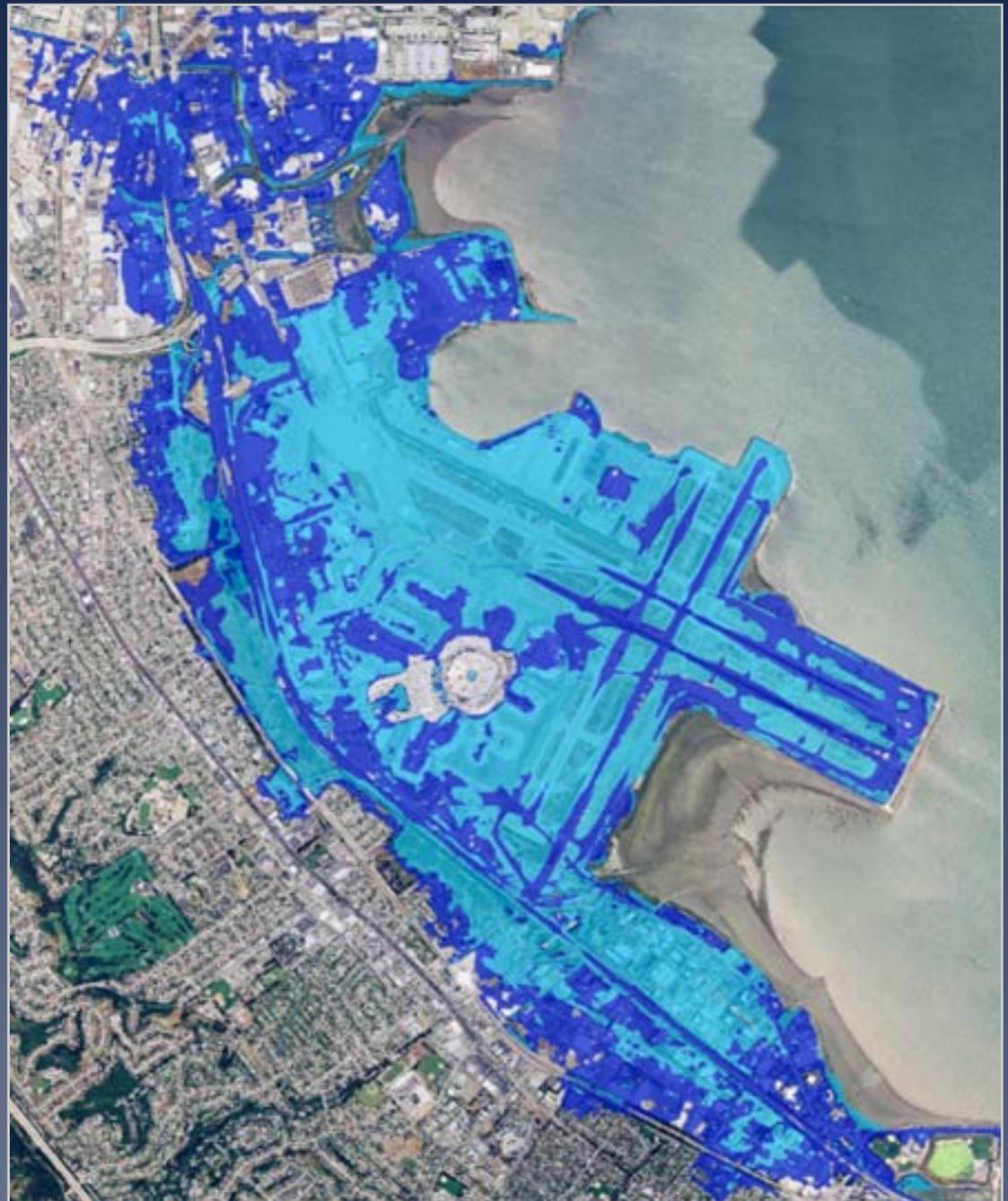
2100





# San Francisco International Airport

 Sixteen Inch Sea Level Rise  
and  
 Fifty-five Inch Sea Level Rise



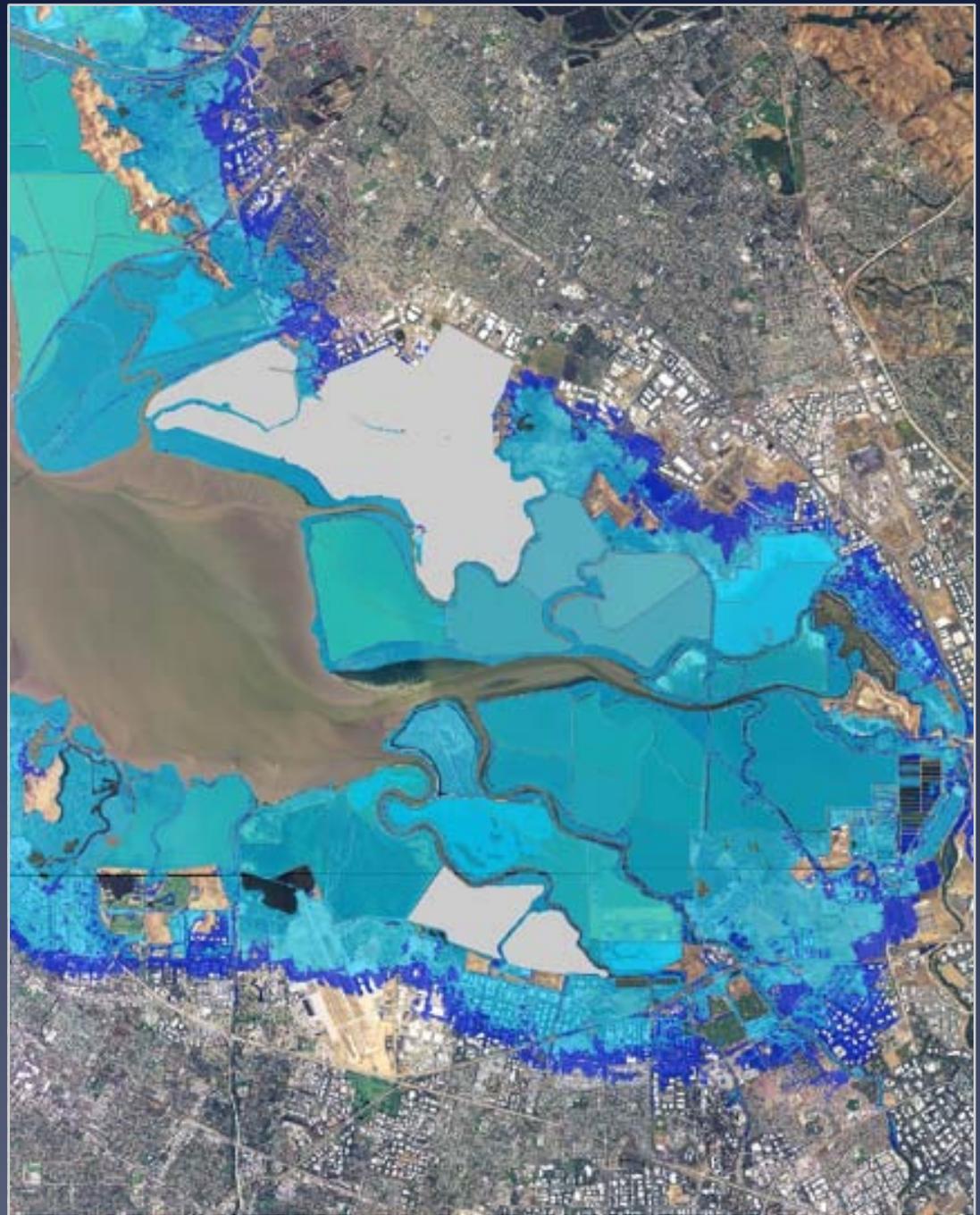
# Oakland International Airport

-  Sixteen Inch Sea Level Rise and
-  Fifty-five Inch Sea Level Rise



# Silicon Valley

 Sixteen Inch Sea Level Rise  
and  
 Fifty-five Inch Sea Level Rise



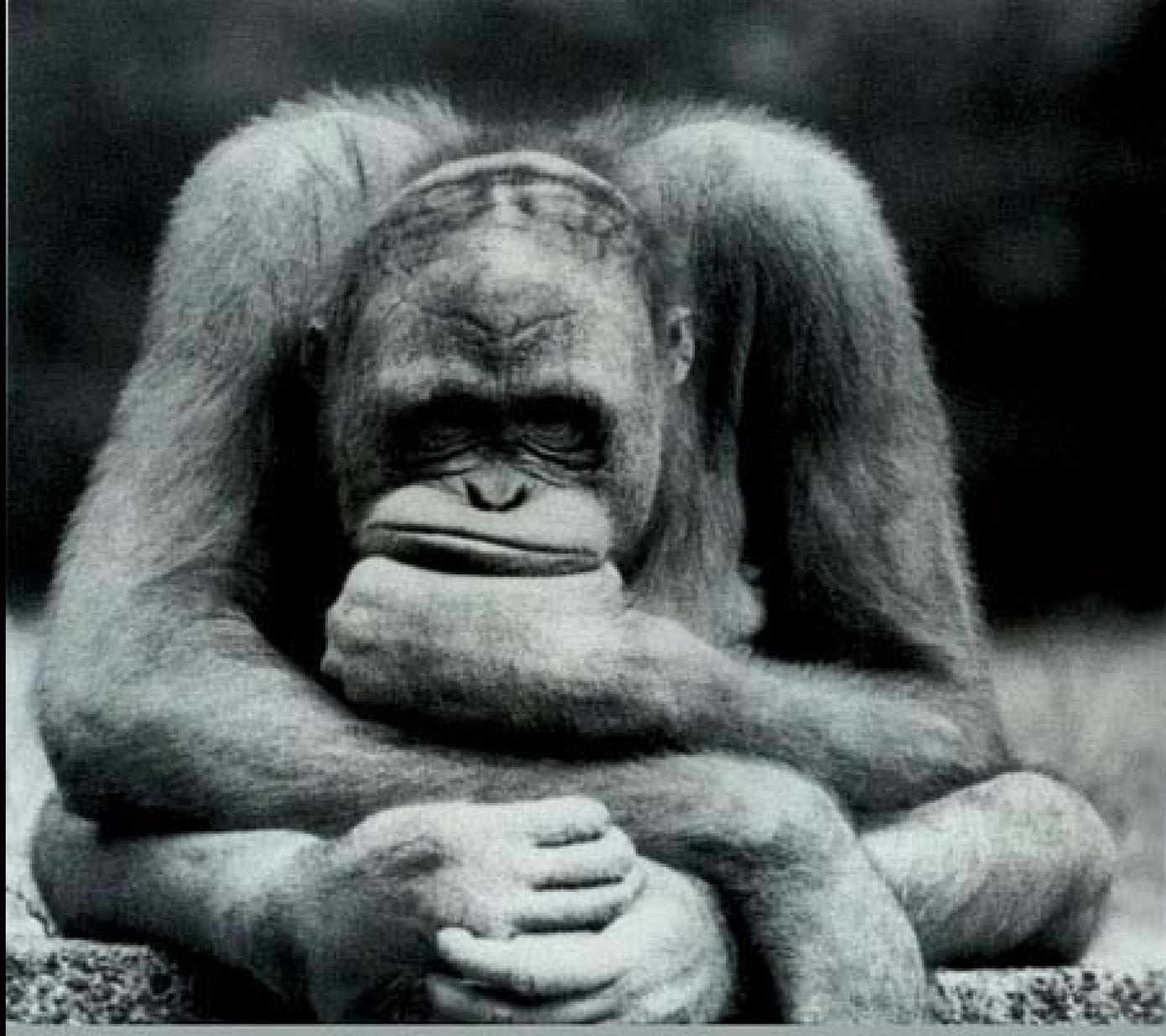




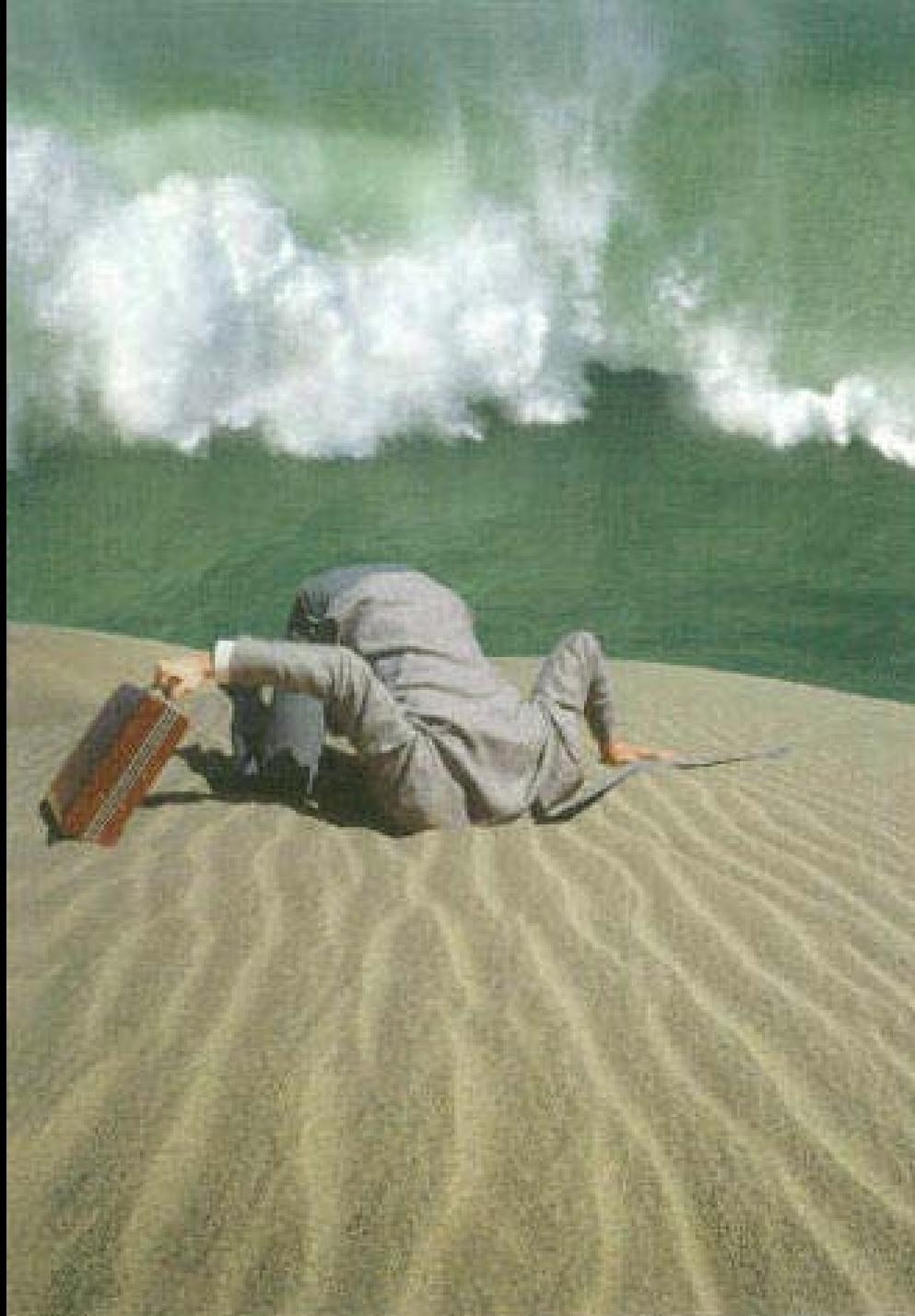
# 2009 CALIFORNIA CLIMATE ADAPTATION STRATEGY

A Report for the Governor of the State of California  
in Response to Executive Order S-13-08





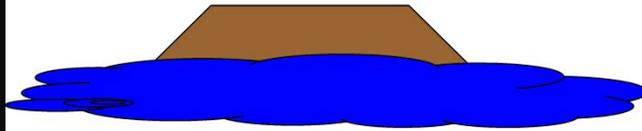
Oh what to to, what to doooo?





# FLOOD LEVEE CONSTRUCTION MANUAL

30 YEAR PROTECTION

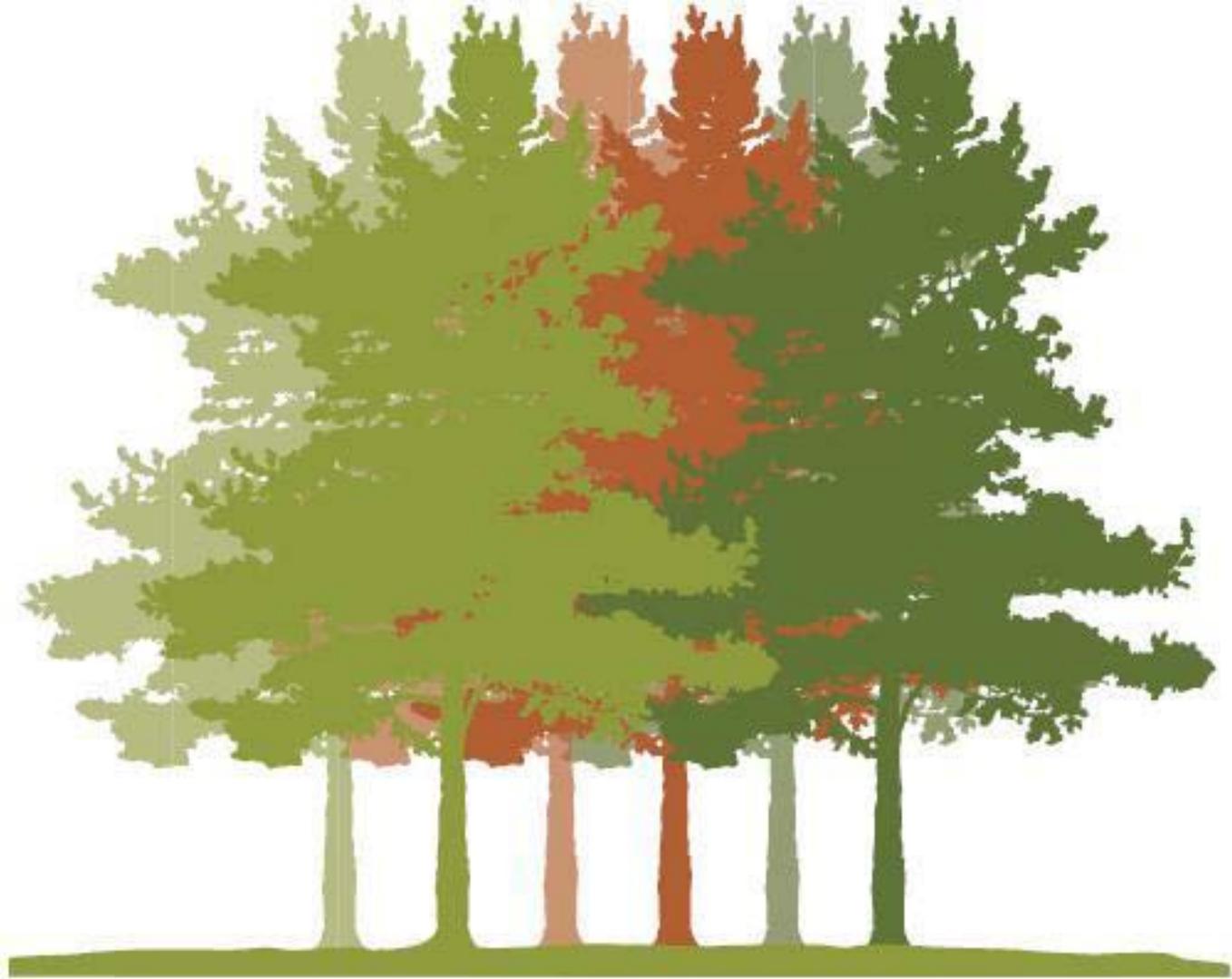


100 YEAR PROTECTION



400 YEAR PROTECTION



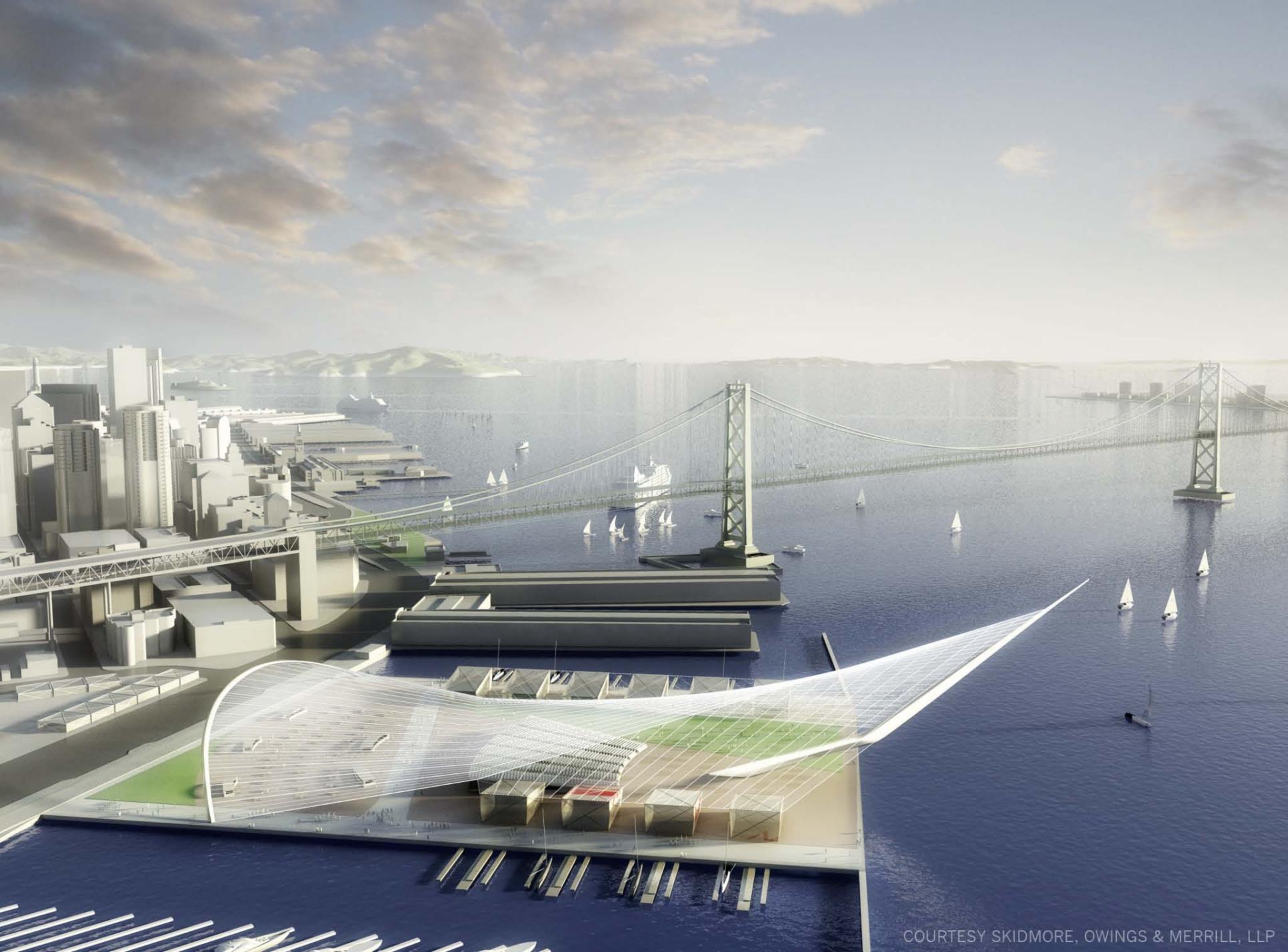


**HEAD FOR THE HILLS**



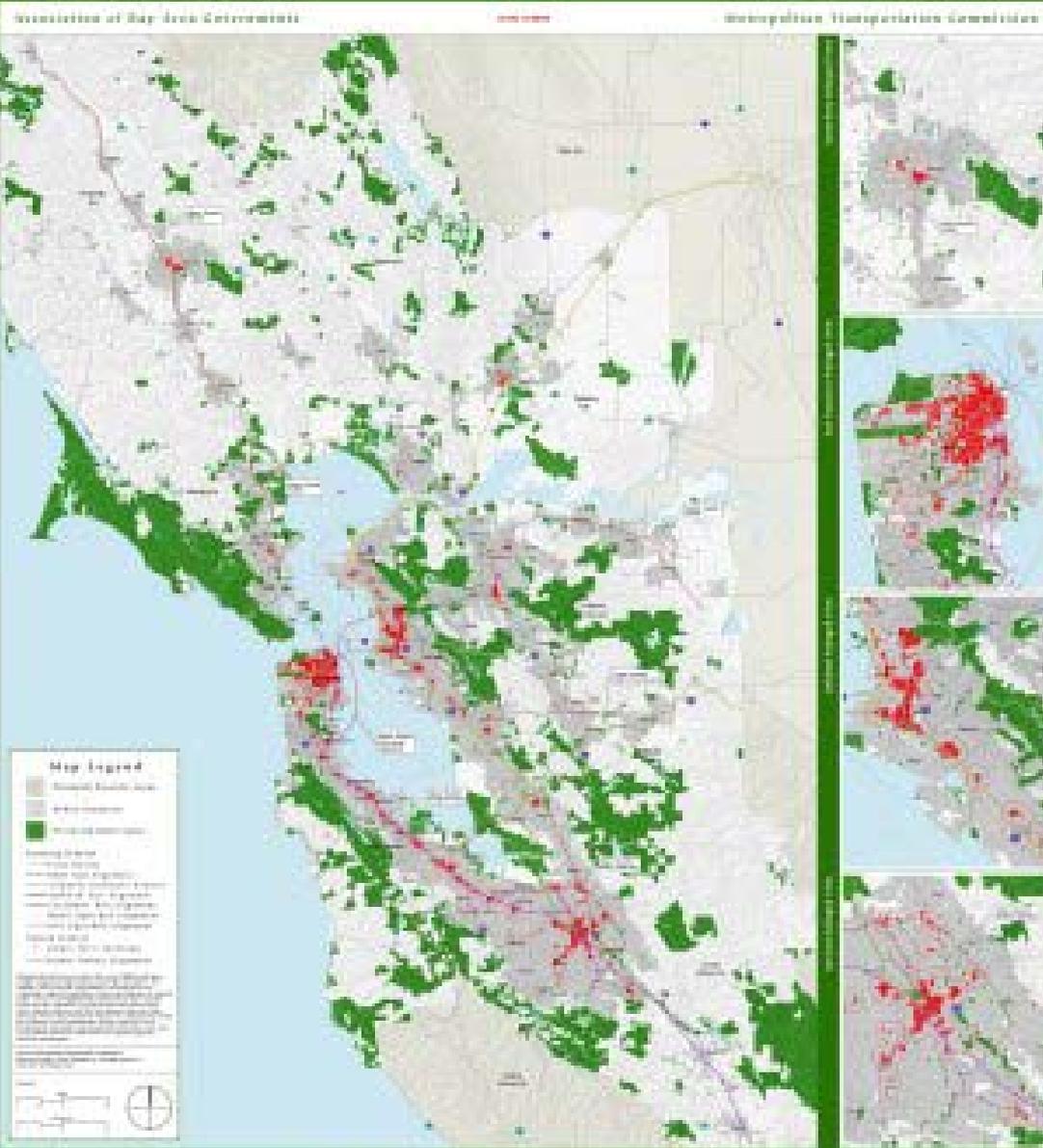


UCSF Mission Bay



# Focusing Our Vision: Regional Analysis

## Potential Priority Areas based on TAC Composite Scenario



Average Weight of all Themes Voted on by TAC Members

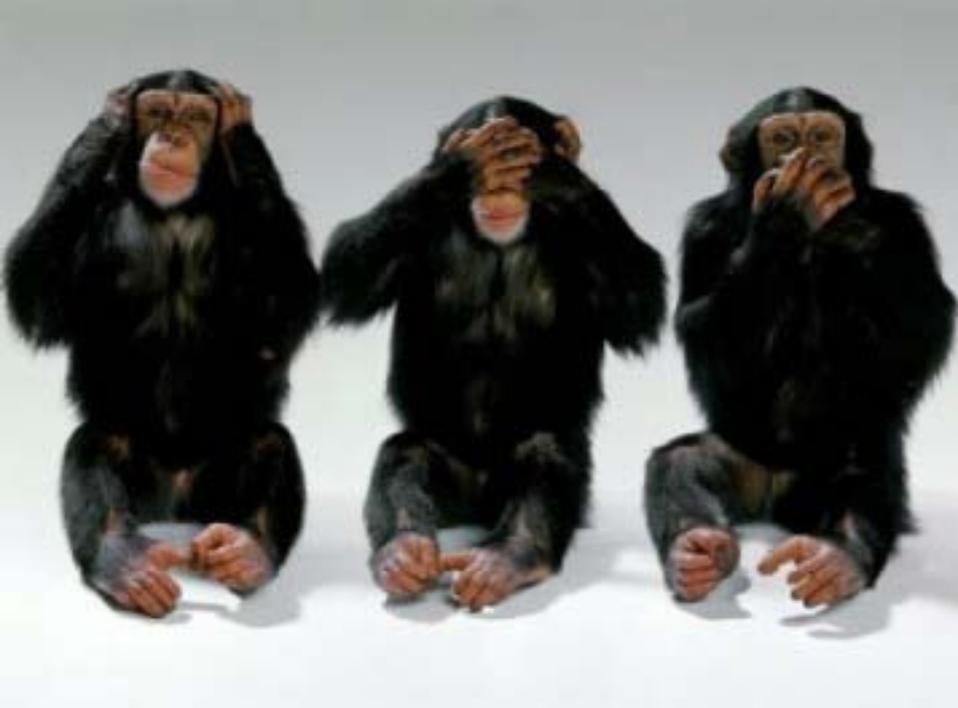


USA

FREEDENCK L.L.

Amherstport Ferry  
SALACIA  
BOSTON, MA

WYBORN HOUSE BLOCK

















# San Francisco Bay Plan

San Francisco Bay Conservation  
and  
Development Commission



# An Integrated Regional Climate Strategy: *An Impossible Dream or a Realistic Goal?*



*Will Travis, Executive Director*  
San Francisco Bay Conservation and Development Commission