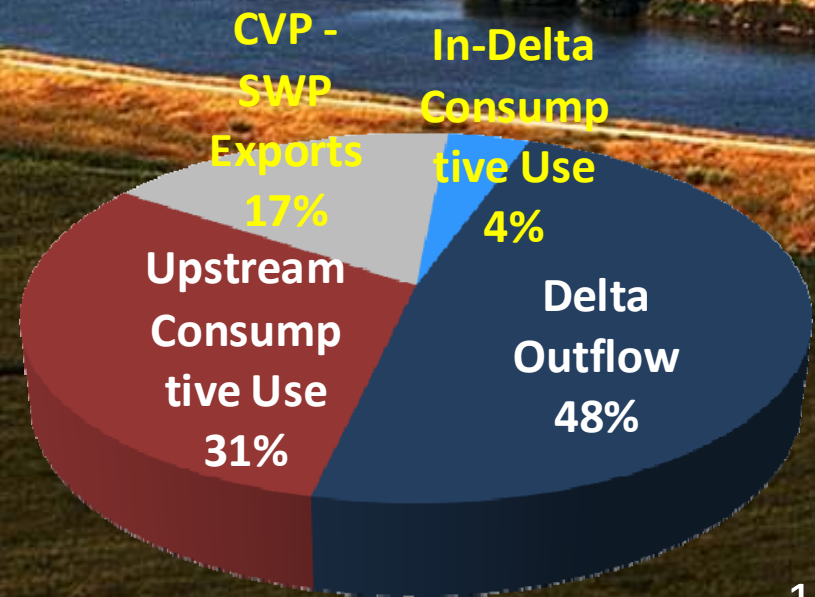


Bay-Delta

The Hub of California's Water



Seismic Vulnerability



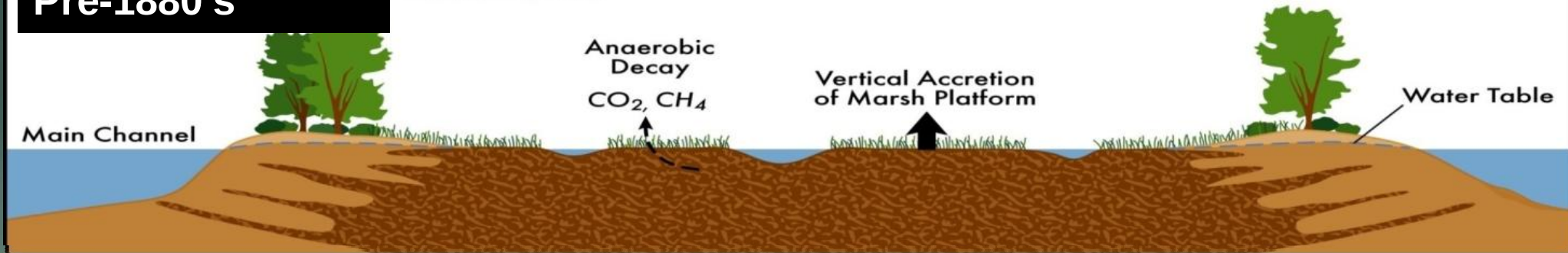
Bay-Delta Region Major Faults

Land Subsidence

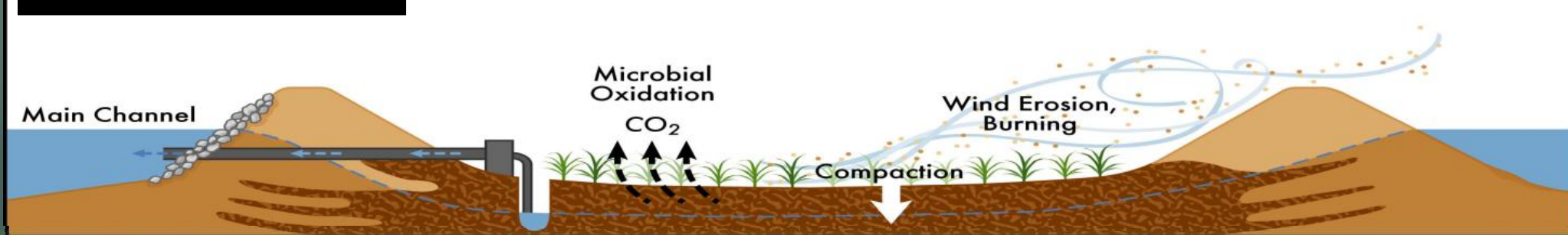
Due to Farming of the Delta Marshland

Pre-1880's

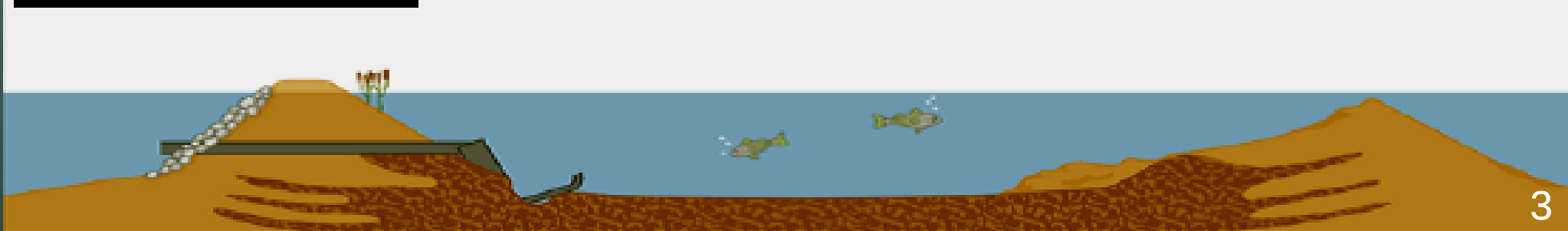
Tidal Marsh



Present Time



Levee Failure





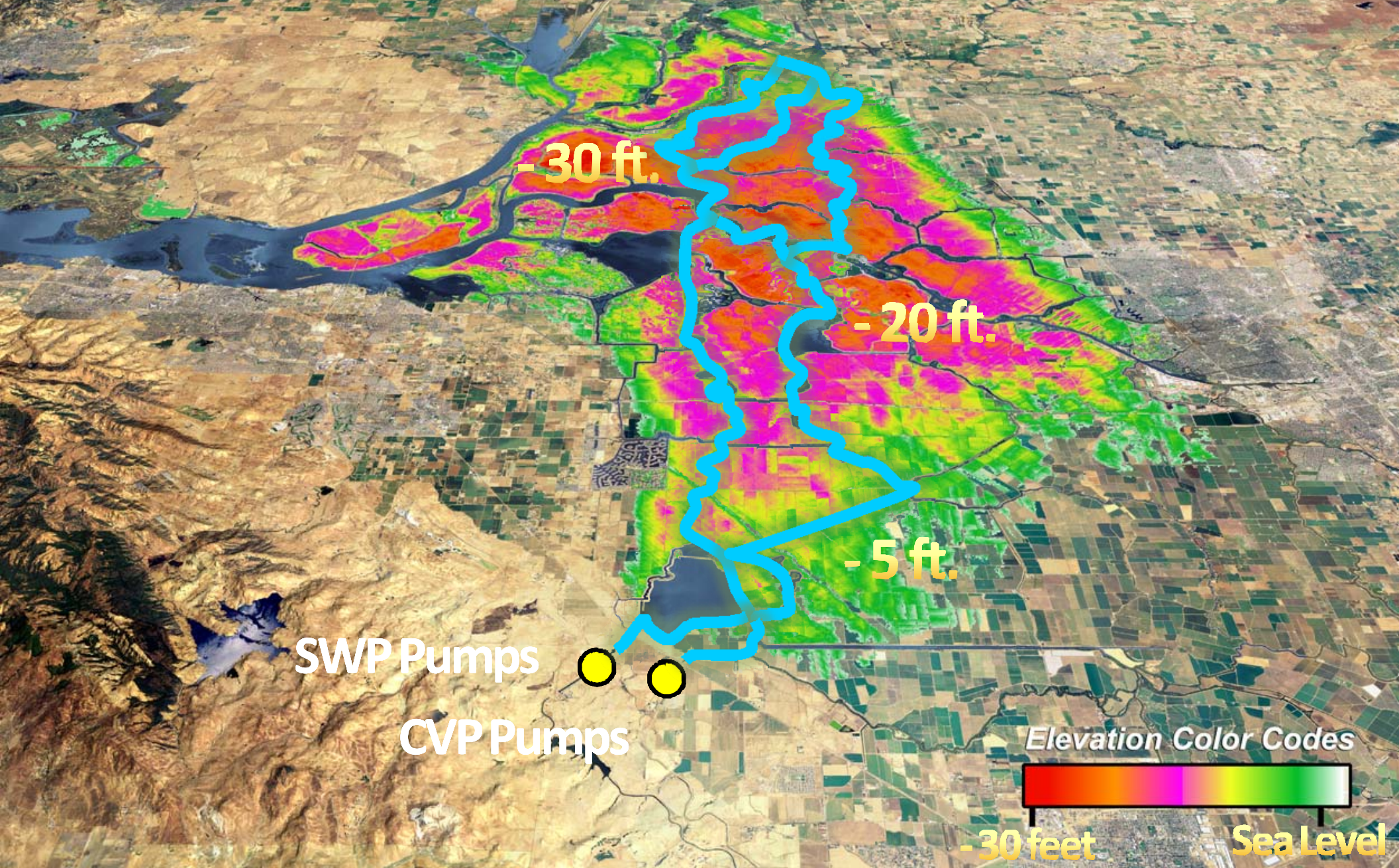
Sea-level

- 10 ft.

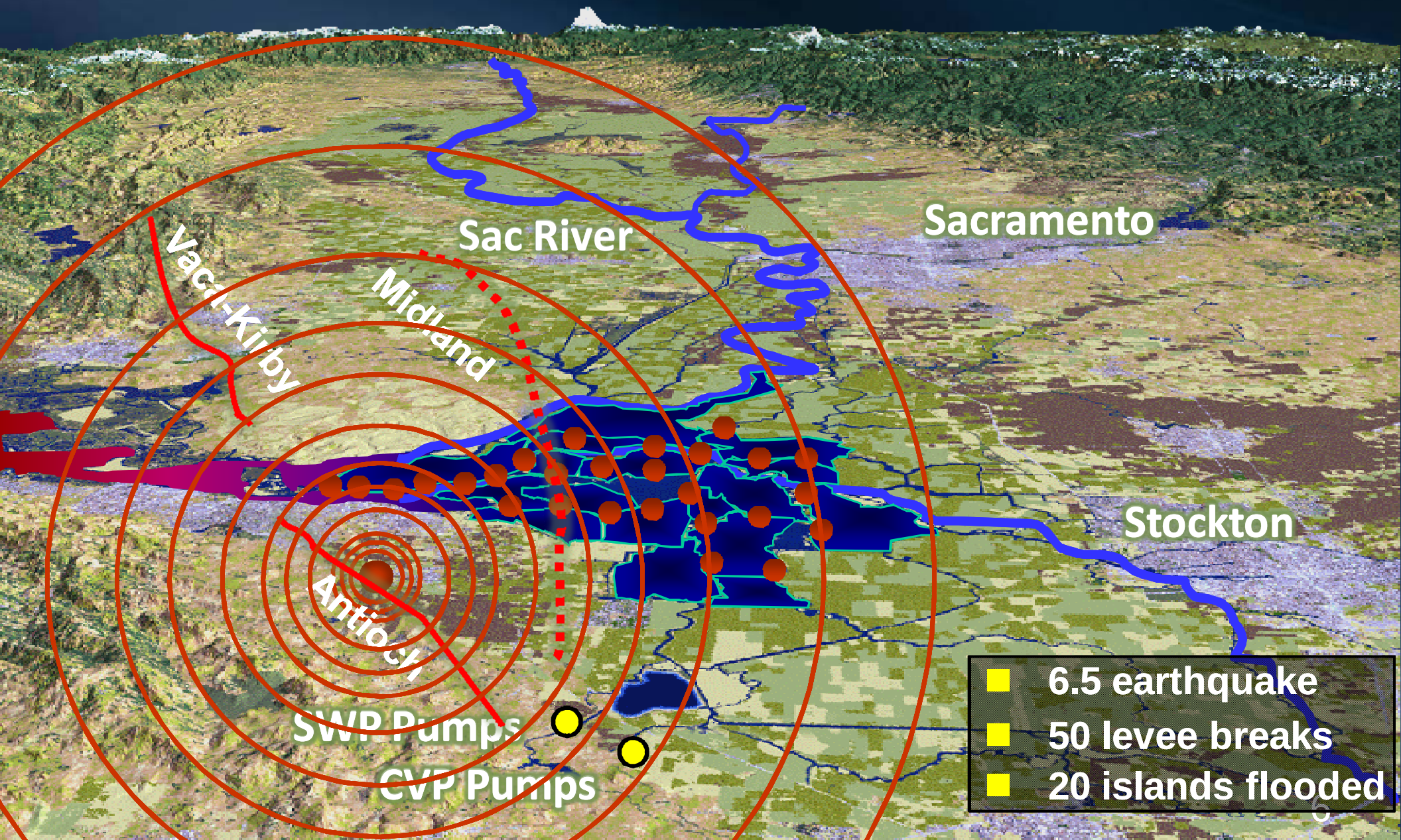
- 20 ft.

Water Supply Pathway

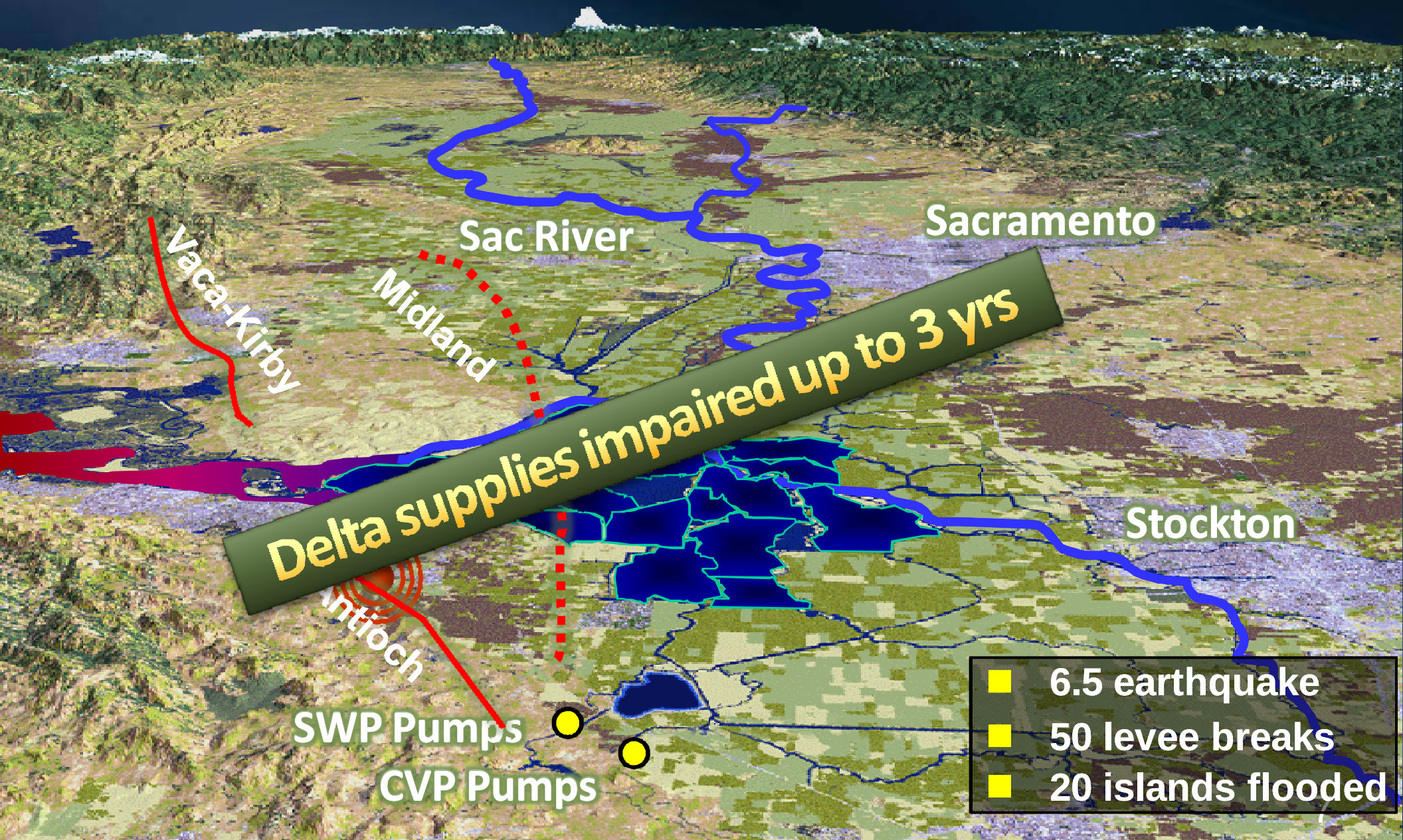
(Island subsidence between 10-30 ft. deep)

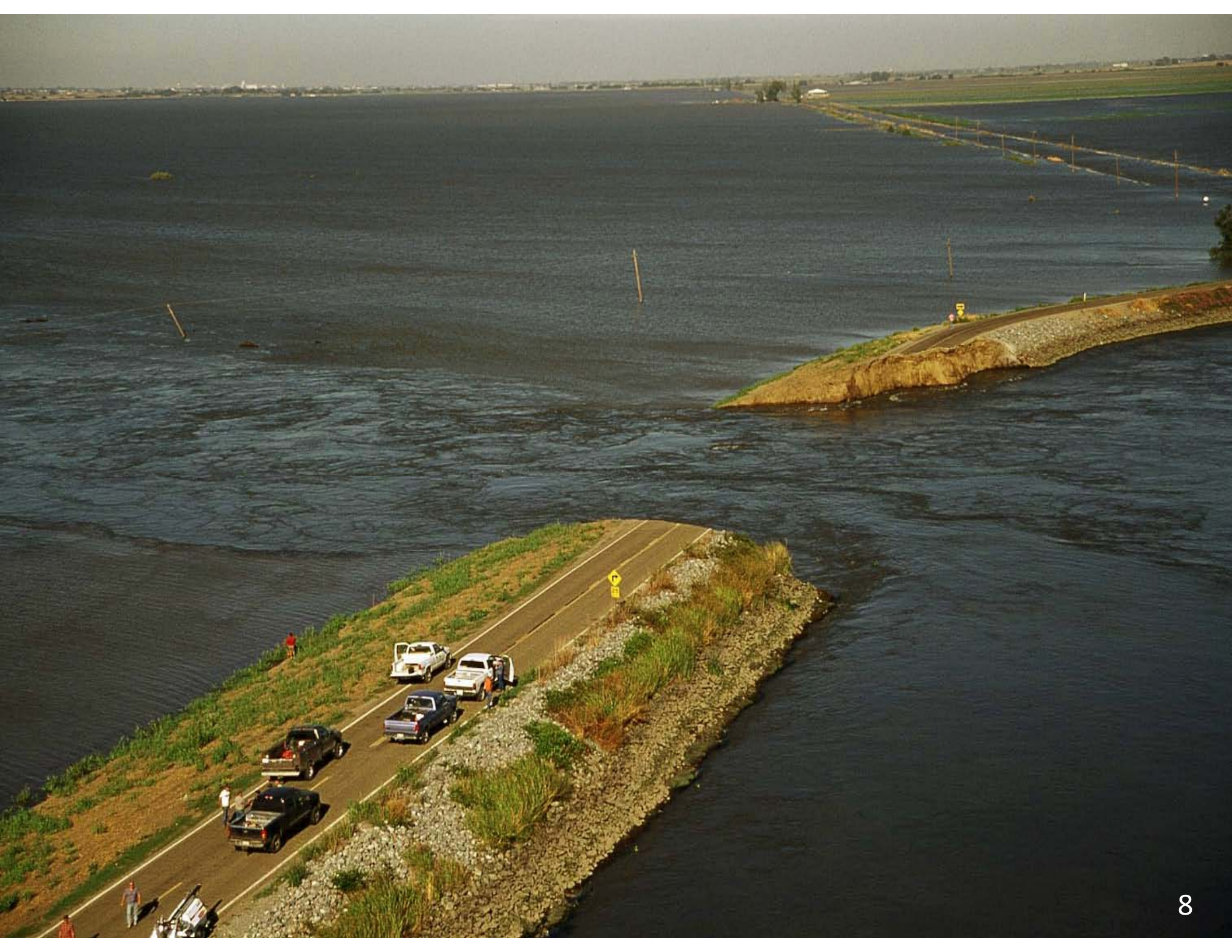


Seismic Vulnerability

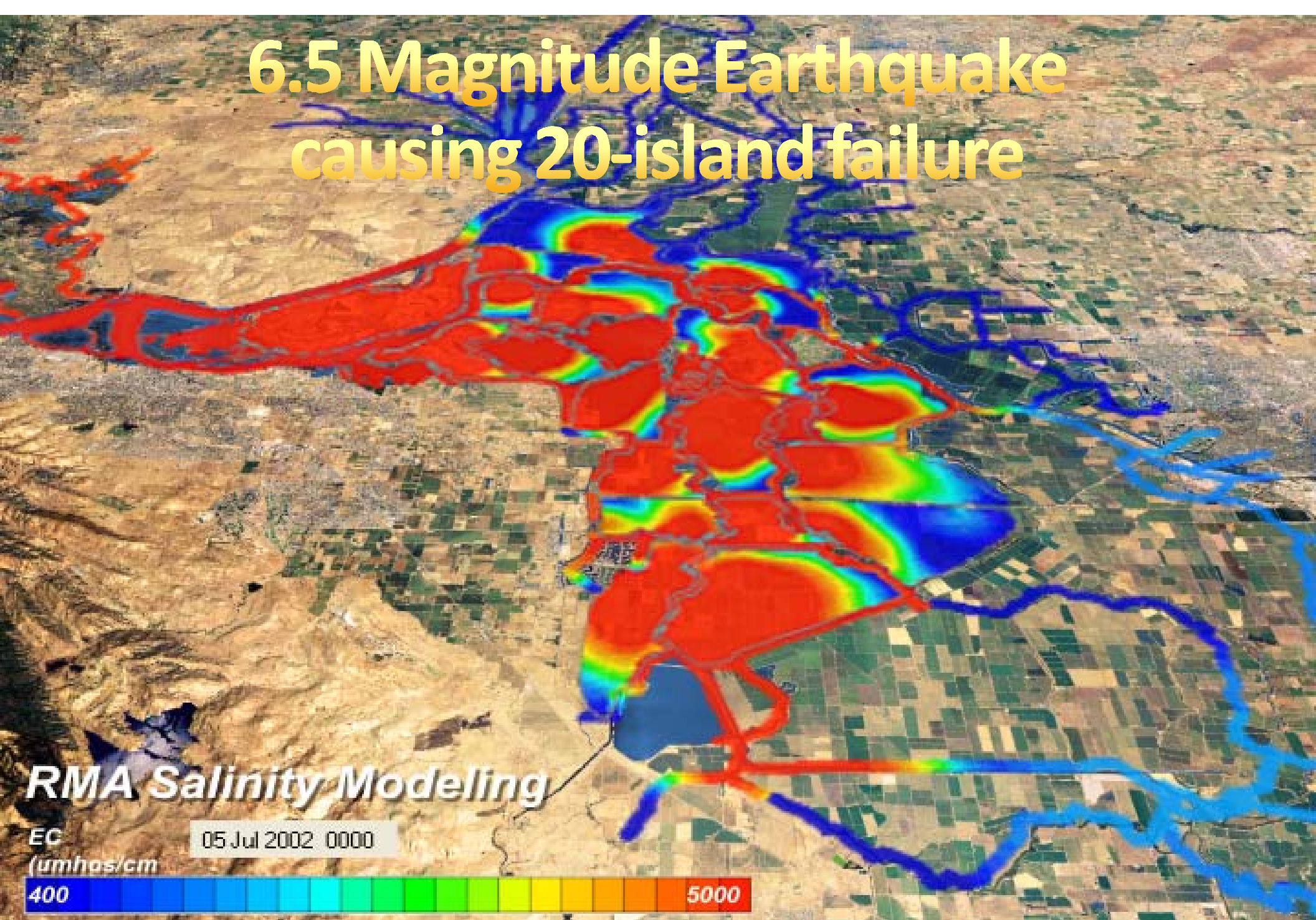


Seismic Vulnerability





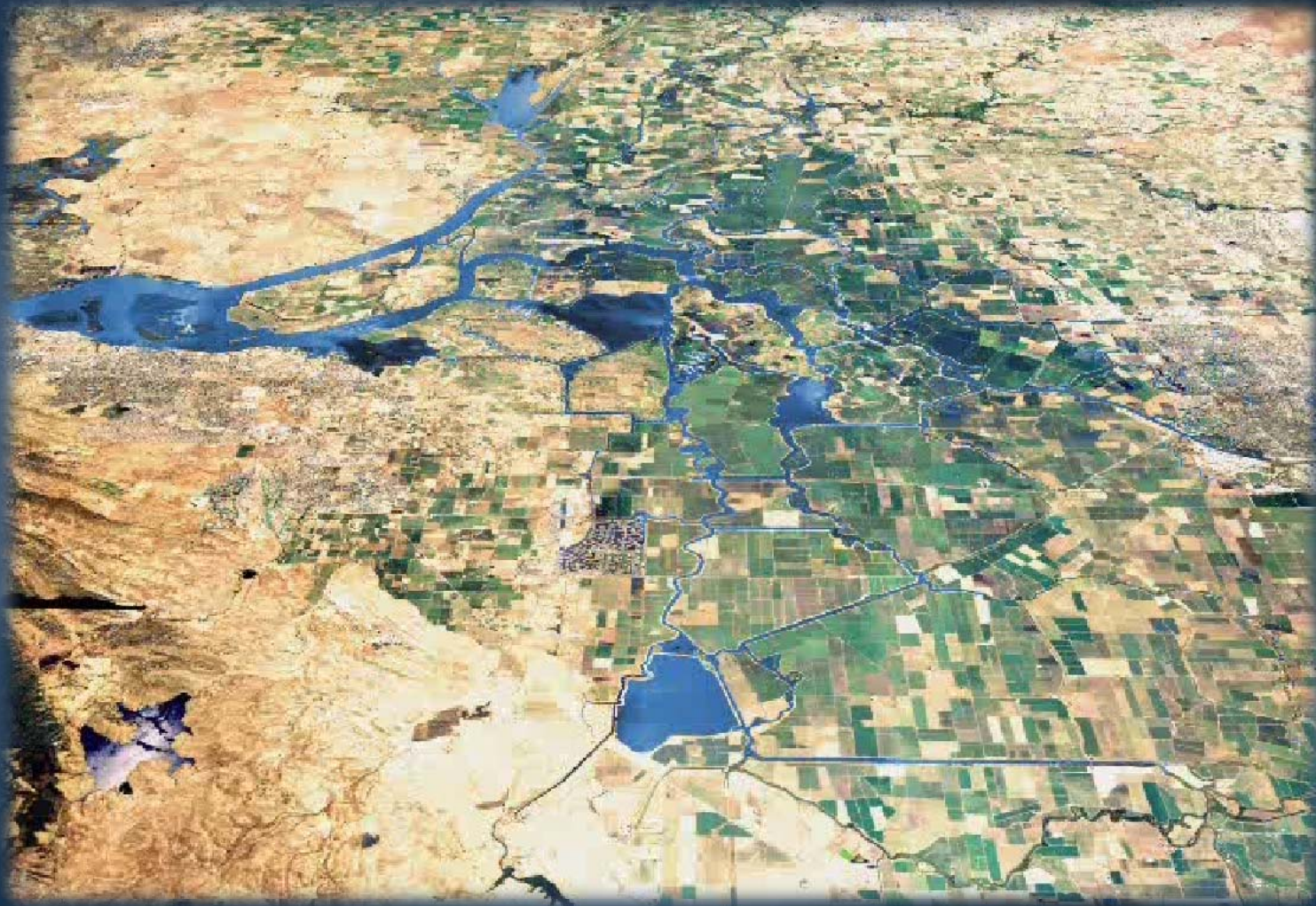
6.5 Magnitude Earthquake causing 20-island failure



1 – 7 days: Salt water throughout Delta

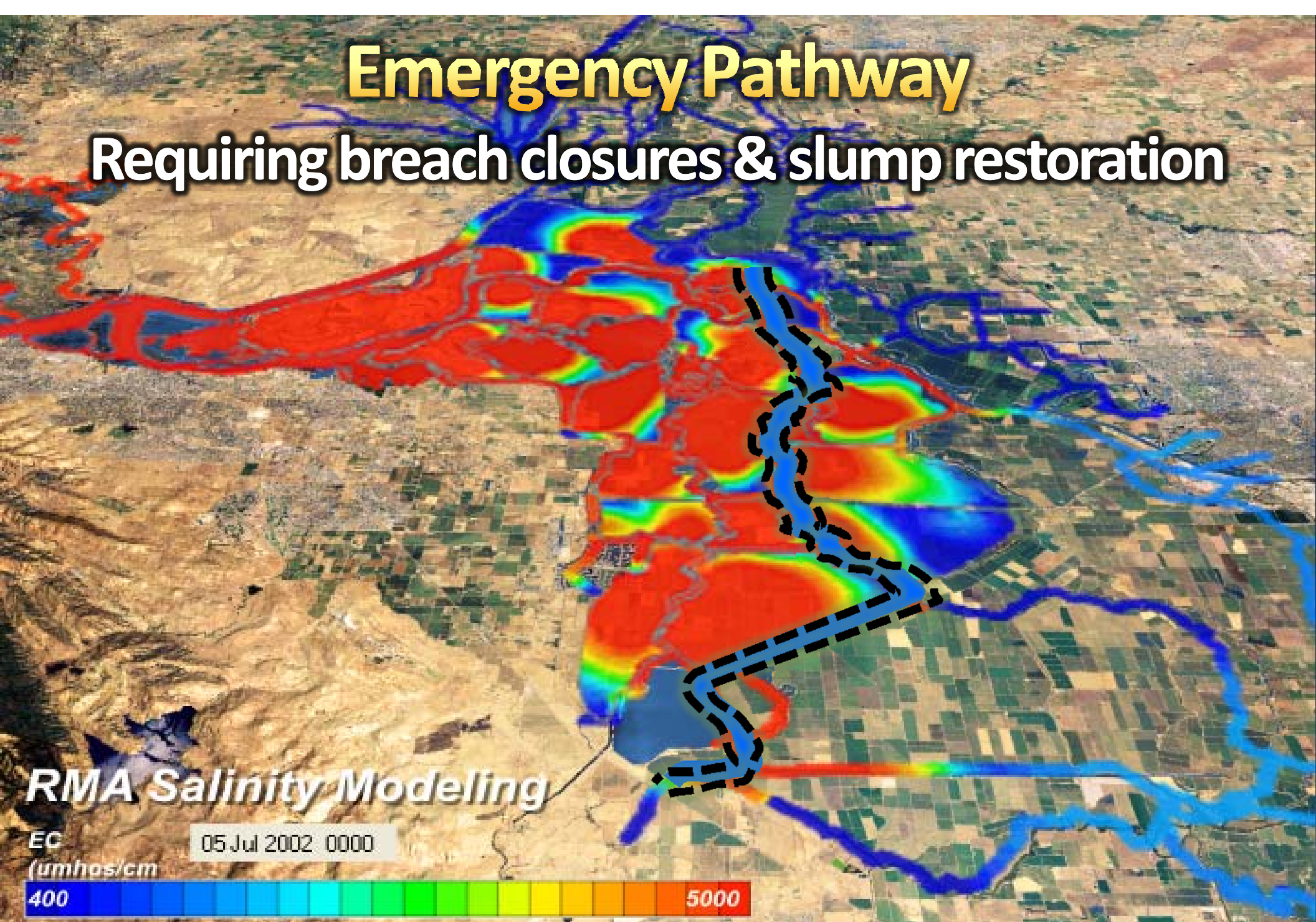
Delta Seismic Risk & Salinity Intrusion

Animation – 6.5 Magnitude Earthquake



Emergency Pathway

Requiring breach closures & slump restoration



Allows repair in **6 months** vs. 3 years

Delta Near-Term Measures

Emergency Stockpiling & Levee Improvements



Port of Stockton Loading Facility

Stockton

SJ River

The Delta

Suisun Bay

Sacramento

Stockton

State & Federal
Pumping Plants

California's Bay-Delta

