

EBMUD and the Delta

Bay Area Water Forum

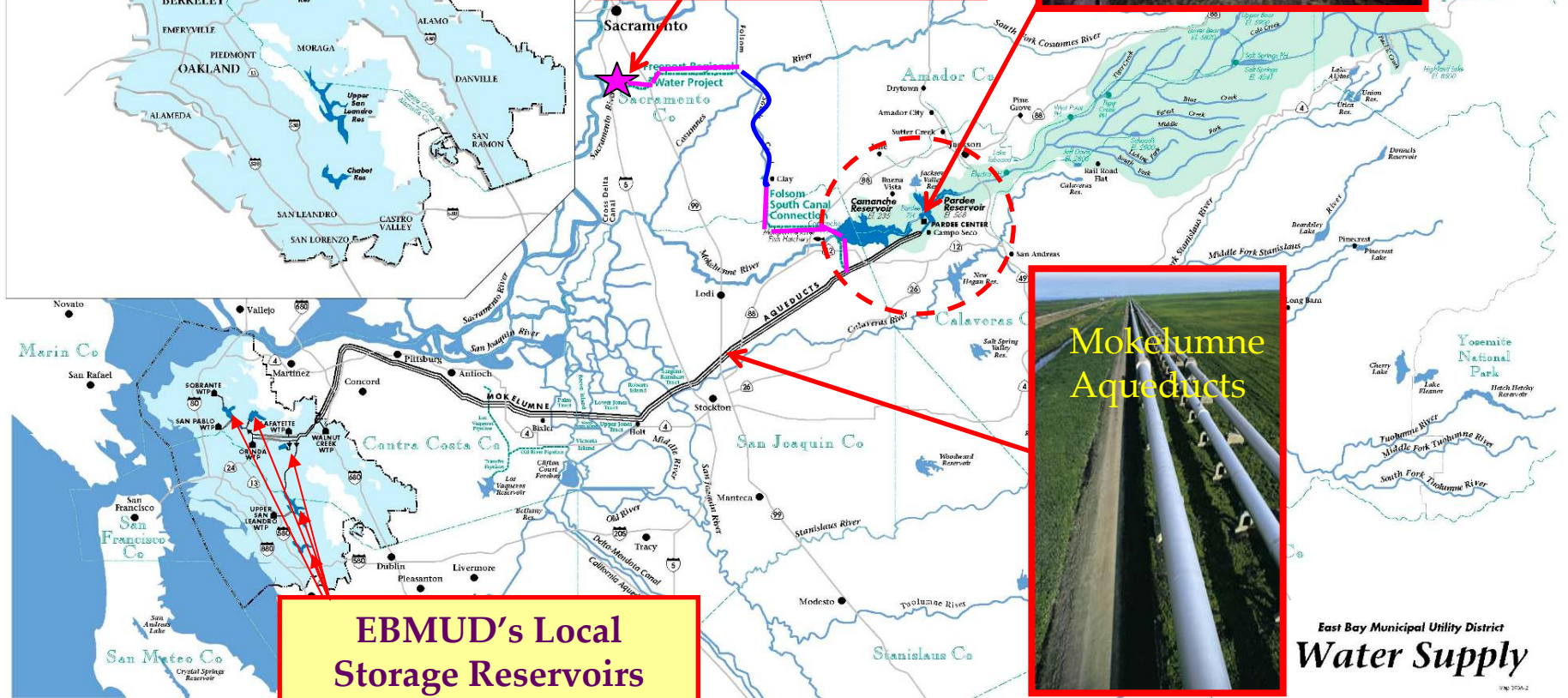
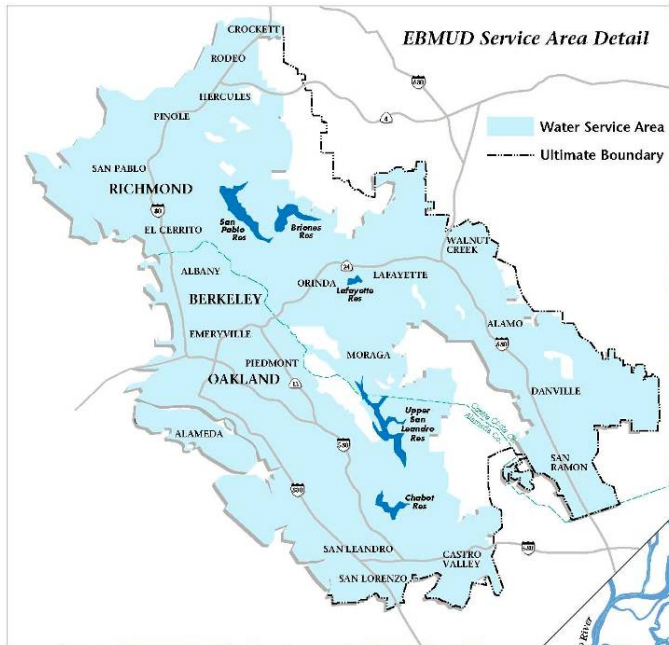
April 27, 2009

Douglas Wallace

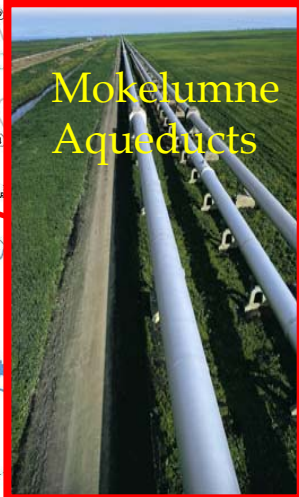
East Bay Municipal Utility District



EBMUD's Water Supply

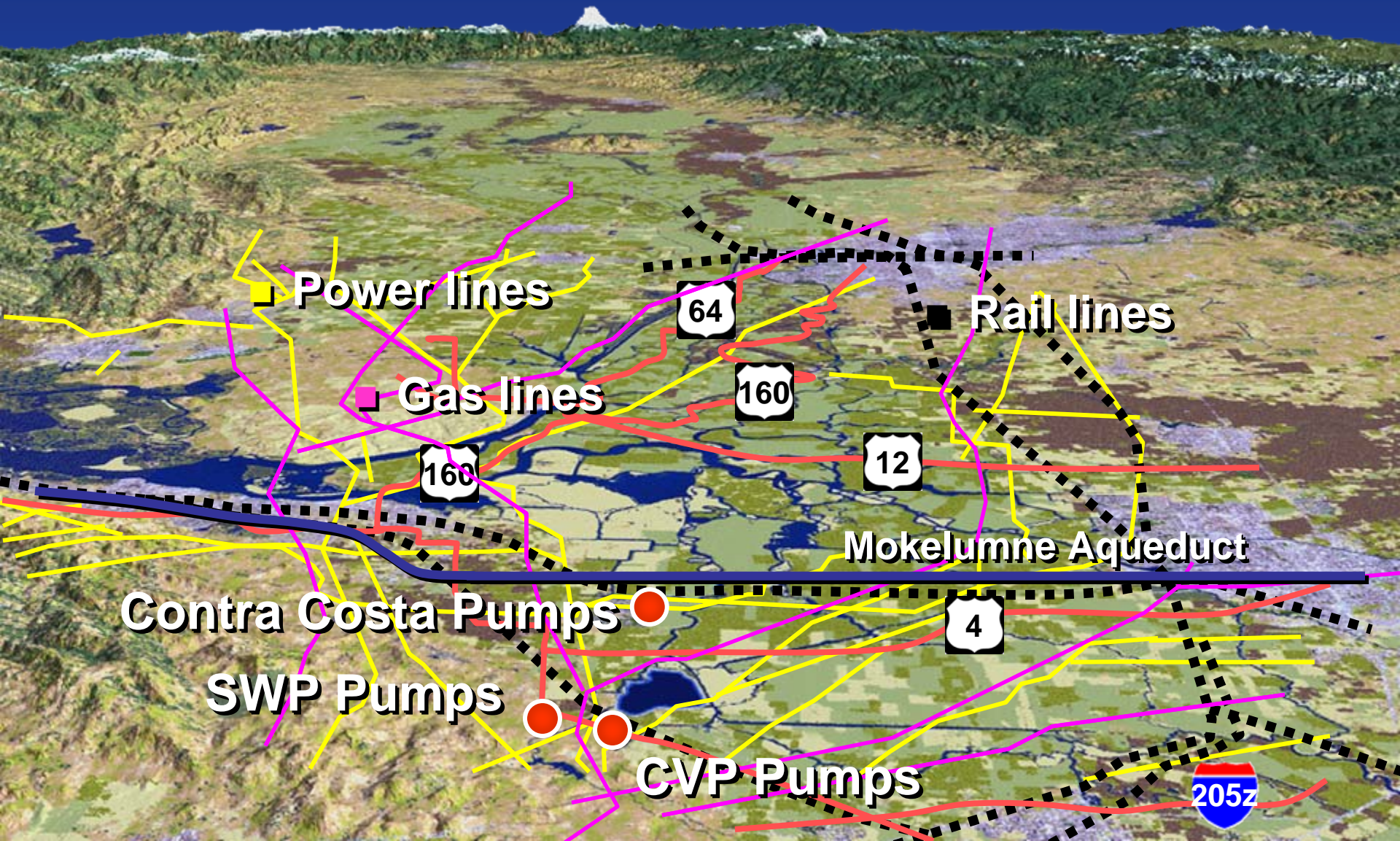


EBMUD's Local Storage Reservoirs



**East Bay Municipal Utility District
Water Supply**

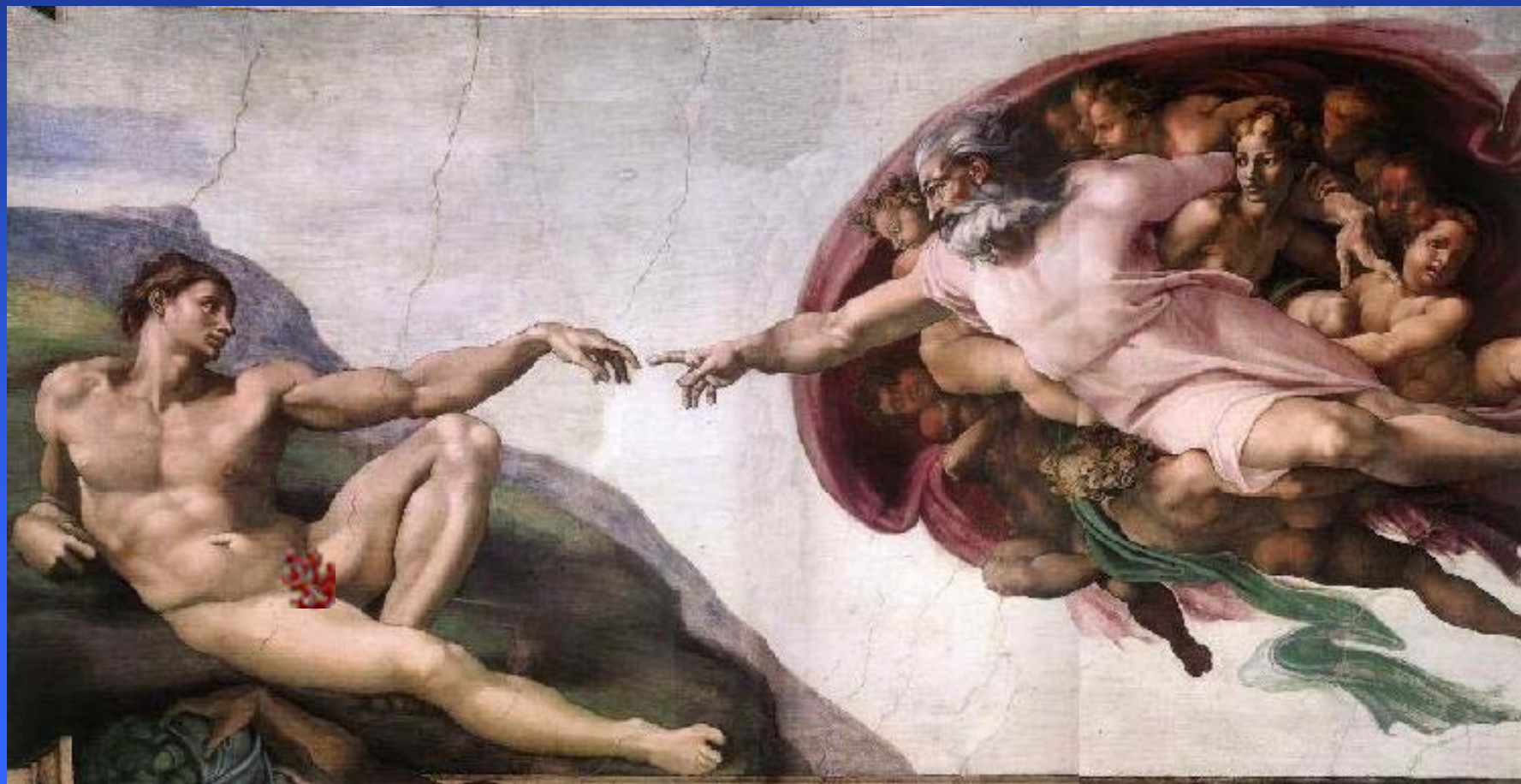
Critical Delta Infrastructure



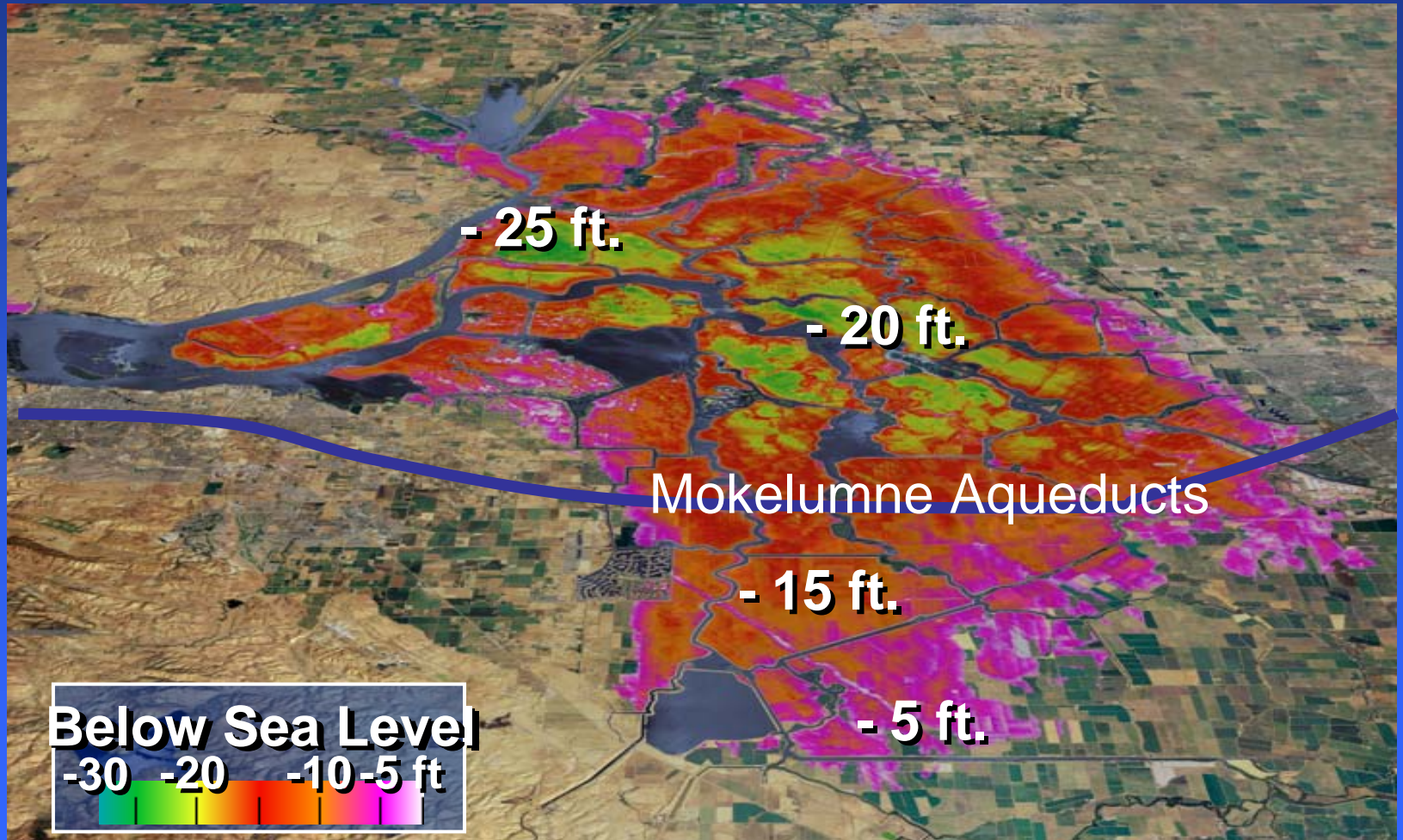
EBMUD's Interests In the Delta

- Operating the Mokelumne Aqueducts
 - State may abandon flooded islands in future (e.g. Jones Tract)
 - EBMUD's aqueduct operations could be affected by reduced state investment
- Protecting the Mokelumne fishery - potential for adverse impacts from new Delta conveyance options

EBMUD Addresses Blue Ribbon Task Force



Mokelumne Aqueducts Below Sea Level



Jones Tract Flooding - 2004



Levee Breach

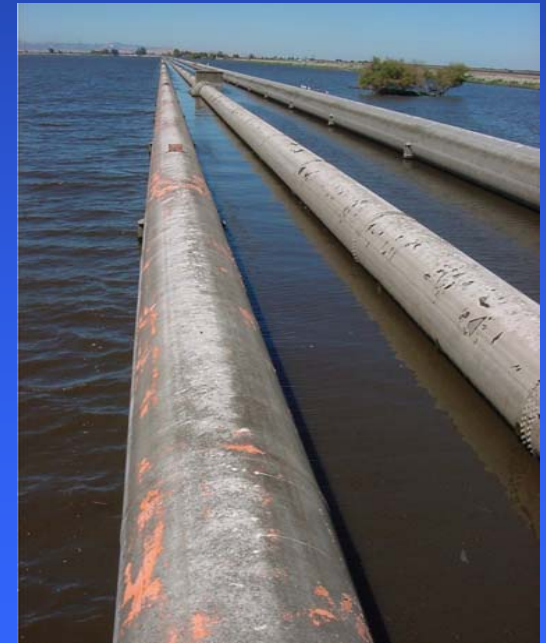


Mokelumne Aqueduct parallels railroad



EBMUD Actions to Protect the Mokelumne Aqueducts

- \$40 million invested in seismic retrofit of EBMUD's largest aqueduct in 2004
- \$1.5 million committed each year for levee improvements
- Emergency response plans crafted for restoring operations in event of major quake

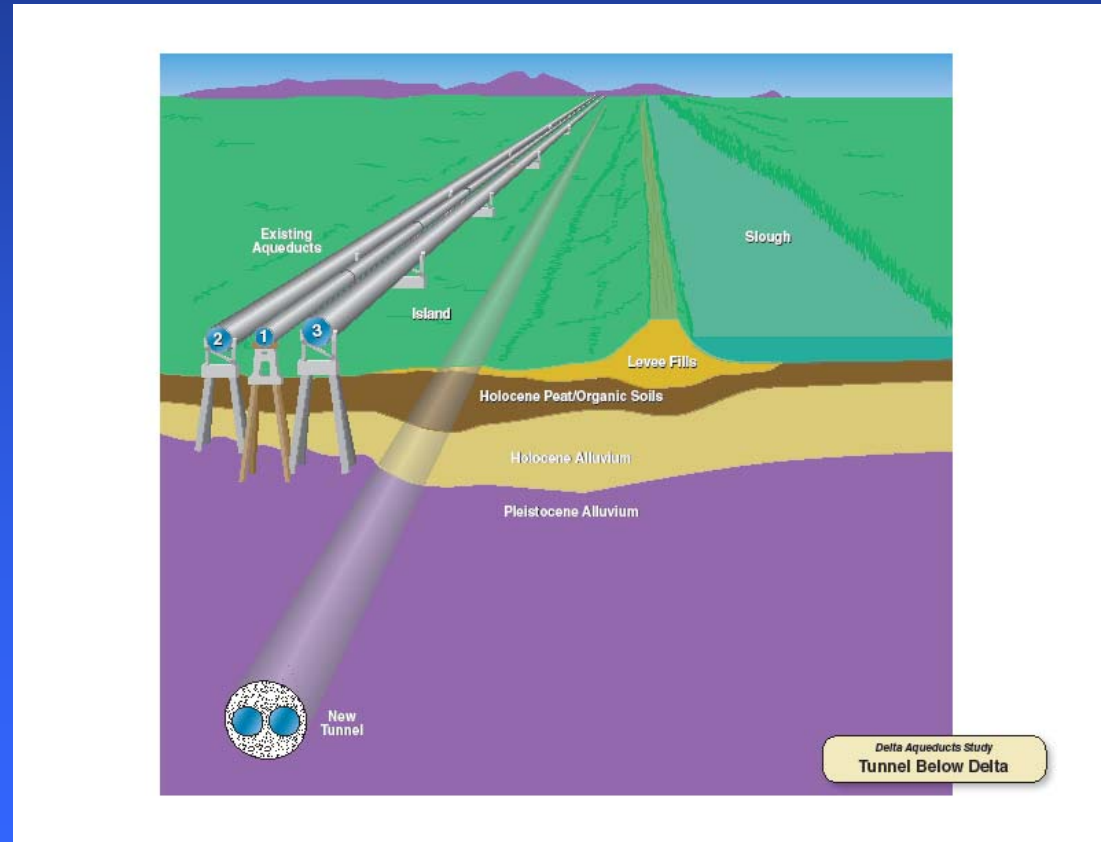


Mokelumne Aqueduct Strategy

- Use available state funding for near-term improvements to levees protecting aqueducts
- Long-term alternatives include an underground alignment (tunnel), protecting against seismic, flooding risks
- EBMUD analysis prompted by development of State's Delta Vision

Long-Term Delta Fix: Tunneling the Mokelumne Aqueducts

- 10 miles in length
- Two 87" pipes inside 19.5-foot tunnel
- \$445M-\$950M cost range



Questions?

