Sacramento-San Joaquin Delta

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Historical Ecology and Current Land Use
Water Operations
Delta Governance

- 200+ agencies with some oversight
- CALFED
- Delta Reform Act
  - Delta Stewardship Council
  - Delta Conservancy
  - Delta Protection Commission
  - Delta Watermaster
Challenges

- Decline of native species
- Water supply reliability
- Subsidence
- Flood Risk

Oxidation of peat soils through natural processes and human activities has caused the Delta to drop. Much of the central Delta is currently at or below sea level. Future subsidence has been projected in these areas. As subsidence progresses, levees must be continually maintained, strengthened, and periodically raised to support increasing hydraulic stress.

Source: (left) DWR 2009; (right) adapted from Deverel and Leighton 2010
Stressors

- Habitat loss
- Altered Flows
- Nonnative species
- Impaired water quality
- Entrainment
- Climate change
Questions?

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• Geographic Information System (GIS) database of current and planned restoration projects
• Facilitate coordination between restoration practitioners
• Assist with planning for greater ecological connectivity