









## What is Groundwater Banking

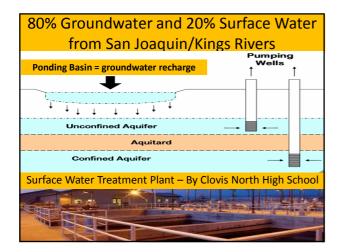
ponding basins allow water to percolate into the aquifer. "banking" it for later.



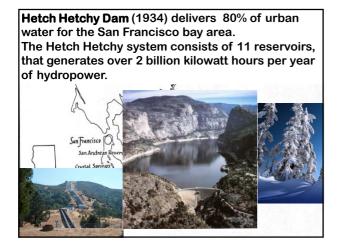




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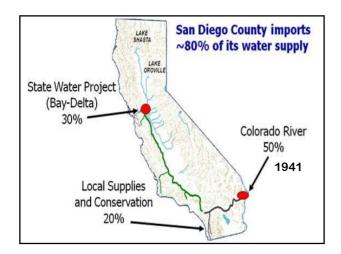
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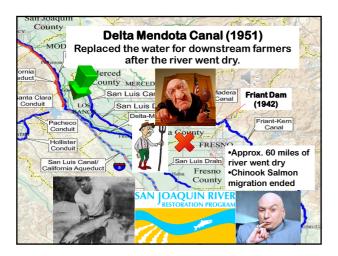


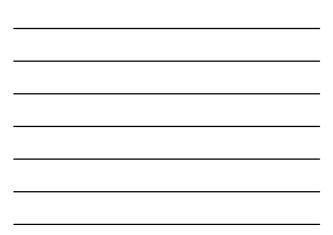


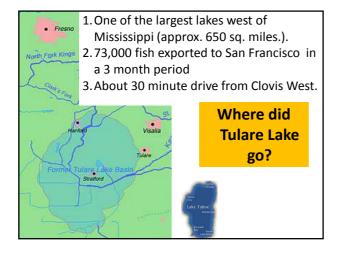




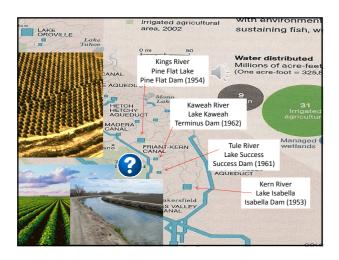






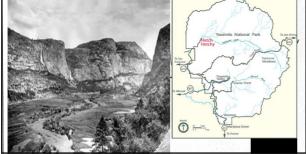




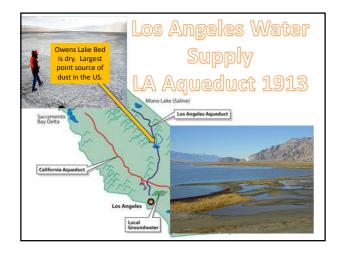




Hetch Hetchy Dam (1934) delivers 80% of urban water for the San Francisco bay area. The Hetch Hetchy system consists of 11 reservoirs, that generates over 2 billion kilowatt hours per year of hydropower.













## Identify From These Notes Label them as Environmental, Economic, or Political.

## **Costs of Water Diversions**

- Dried up rivers/lakes :

   Air pollution (dust-PM 10)
   Ended Salmon migration

  Cost of construction, etc.
- Aesthetic Beauty Loss
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- Habitat Loss due to-- Flooding from dams/reserviors Construction of aqueducts, canals, dams. Loss of Tourism.
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- Water Wars Farmers /Enviros / Native Americans ٠

- Benefits of Water Diversions Provides water to farms
- Provide drinking water to urban such as Los Angeles
- Hydroelectric Power
- **Recreational Activities** (reservoirs)

Cost of Electricity for Pumping

- Creates Jobs
- Flood Control