

# MAJOR ELEMENTS OF THE SWP



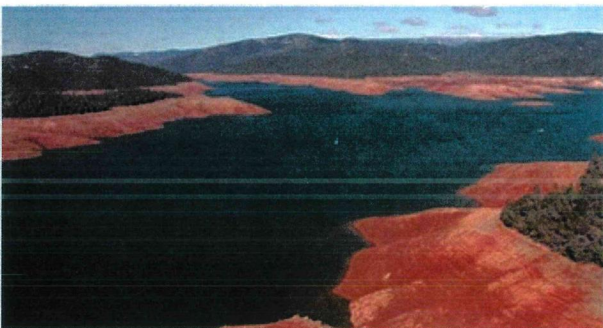
Harvey O. Banks Pumping Plant

## PUMPING PLANTS:

**Harvey O. Banks Pumping Plant** in the south Delta at Tracey marks the beginning of the California Aqueduct. The Banks plant lifts water 244 feet to the aqueduct.

Pumping plants at **Dos Amigos**, **Buena Vista**, **Teerink** and **Chrisman** lift water before reaching the foot of the Tehachapi Mountains.

**A. D. Edmonston Pumping Plant** is the largest pumping plant on the system with fourteen 80,000-horsepower pumps lifting the water 1,926 feet over the Tehachapis, the highest single lift pumping plant in the world.



Lake Oroville

## RESERVOIRS:

**Lake Oroville** is the second largest reservoir in California, with a capacity of more than 3.5 million acre-feet, and the principal reservoir on the SWP. An acre-foot is 325,851 gallons on average and serves the annual needs of five to eight people.

**San Luis Reservoir**, with a capacity of more than 2 million acre-feet is the largest off-stream reservoir in the nation. San Luis is a joint-use facility, storing water for both the SWP and the federal Central Valley Project. The SWP portion of San Luis is 1.062 million acre-feet.



Hyatt Power Plant

## POWER PLANTS:

The nine hydroelectric power plants produce on average 6 billion kWh a year, enough to light up the city of San Francisco annually.

**Hyatt Power Plant**, built in the bedrock beneath Oroville Dam is the largest, producing on average, 4.9 billion kWh annually.

**Thermalito Pumping-Generating Plant** produces 320 million kWh annually.

**Thermalito Diversion Dam Power Plant** generates 17 million kWh annually.

**Gianelli Pumping-Generating Plant** at O'Neill Forebay can produce 180 million kWh annually.



Aqueduct Bifurcation

## CONVEYANCE:

**North Bay Aqueduct** supplies water from the northern Delta to Napa and Solano counties.

**Coastal Branch** is 115 miles long, supplying water to Vandenberg Air Force Base and San Luis Obispo and Santa Barbara counties.

**West Branch** flows into Pyramid Lake in Los Angeles County, then through the Angeles Tunnel to Castaic Lake, the terminus of the West Branch.

**East Branch** empties into Silverwood Lake in the San Bernardino Mountains then enters the San Bernardino Tunnel to Lake Perris.