

The California State Water Project (SWP) is a multi-purpose water storage and delivery system that extends more than 705 miles – two-thirds the length of California. A collection of canals, pipelines, reservoirs, and hydroelectric power facilities delivers clean water to 27 million Californians, 750,000 acres of farmland, and businesses throughout our state.

Planned, built, operated and maintained by DWR, the SWP is the nation's largest state-owned water and power generator and user-financed water system. The project is considered an engineering marvel that has helped fuel California's population boom and economic prosperity since its initial construction.

For the last 20 years, the California State Water Project's average water is 34 percent for agricultural and 66 percent for residential, municipal, and industrial.

The State Water Project also plays an important role in efforts to combat climate change. Not only does it help California manage its water supply during extremes such as flooding and drought, it is also a major source of hydroelectric power deliveries for the State's power grid.

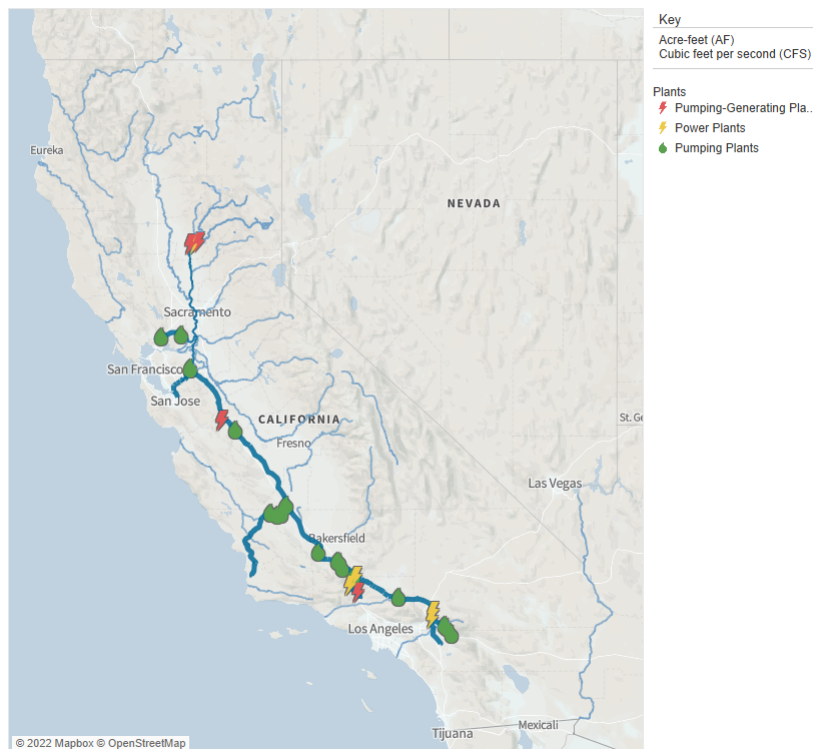
Benefits of the SWP: The primary purpose of the SWP is water supply delivery and flood control, but it provides many additional benefits, including:

Power generation

Recreation activities

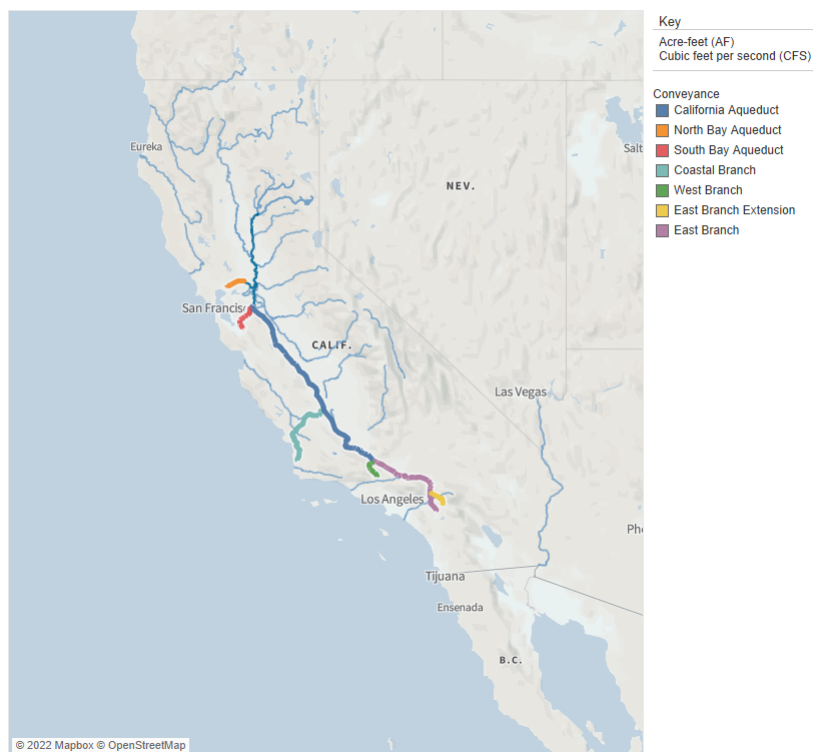
Environmental stewardship

POWER, PUMPING-GENERATING, AND PUMPING PLANTS



Name	Watercourse	Capacity	Annual generation	
(2010)[73]	Type			
Alamo	East Branch California Aqueduct	17 MW	79 GWh	Recovery
Castaic	West Branch California Aqueduct	1,247 MW	624 GWh	Pumped-storage
Devil Canyon	East Branch California Aqueduct	240 MW	993 GWh	Recovery
Foothill Feeder	West Branch California Aqueduct	11 MW	47 GWh	Recovery
Gianelli (San Luis)	Offstream	424 MW	200 GWh	Pumped-storage
Hyatt (Oroville)	Feather River	819 MW	1,386 GWh	Pumped-storage
Mojave Siphon	East Branch California Aqueduct	32.4 MW	63 GWh	Recovery

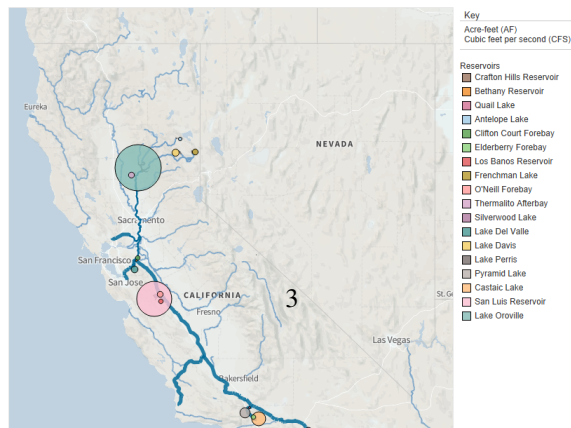
CONVEYANCE SYSTEMS



Pumping plants[72]			
Name	Aqueduct	Lift	
ft	m		
Banks	California Aqueduct	244	74
Dos Amigos	California Aqueduct	118	36
Buena Vista	California Aqueduct	205	62
Teerink	California Aqueduct	233	71
Chrisman	California Aqueduct	518	158
Edmonston	California Aqueduct	1,926	587
Pearblossom	East Branch California Aqueduct	540	160
Las Perillas	Coastal Branch California Aqueduct	55	17
Badger Hill	Coastal Branch California Aqueduct	151	46
Devil's Den	Coastal Branch California Aqueduct	521	159
Bluestone	Coastal Branch California Aqueduct	484	148
Polonio Pass	Coastal Branch California Aqueduct	533	162
Barker Slough	North Bay Aqueduct	120	37
Cordelia	North Bay Aqueduct	138	42
South Bay	South Bay Aqueduct	566	173
Del Valle	South Bay Aqueduct	38	12
Oso	West Branch California Aqueduct	231	70

Aqueduct	Length		Annual Deliveries		Areas Served
	mi	km	acre.ft	dam ³	
California Aqueduct	304	489	2,300,000	2,800,000	San Joaquin Valley All SWP aqueducts except for North Bay
Coastal Branch California Aqueduct	143	230	48,000	59,000	San Luis Obispo County Santa Bar- bara County
East Branch California Aqueduct	140	230	995,000	1,227,000	Riverside County San Bernardino County Orange County
North Bay Aqueduct	27.4	44.1	120,000	150,000	Napa County Solano County
South Bay Aqueduct			188,000	232,000	Alameda County Santa Clara County
West Branch California Aqueduct	24.7	39.8	537,000	662,000	Ventura County Los Angeles County

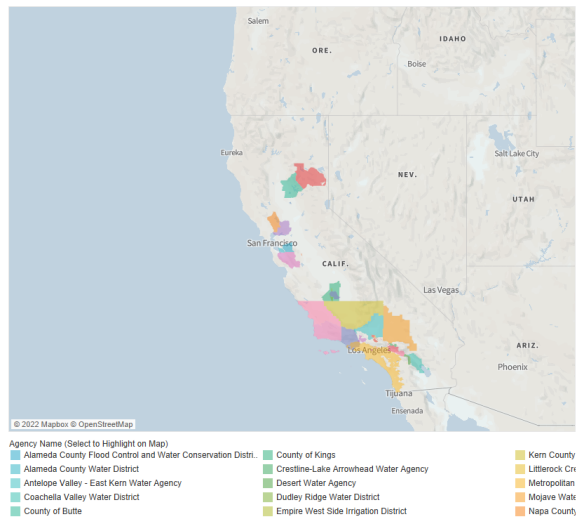
RESERVOIRS



Dam	Reservoir	Year	Capacity		Stream	Purpose
			acre.ft	dam ³		
Antelope Dam	Antelope Lake	1964	47,466	58,548	Indian Creek	Storage
B.F. Sisk Dam	San Luis Reservoir*	1967	1,020,500	1,258,800	San Luis Creek California Aqueduct	Storage
Bethany Dam	Bethany Reservoir	1967	5,250	6,480	California Aqueduct	Reregulation
Castaic Dam	Castaic Lake	1973	325,000	401,000	Castaic Creek West Branch California Aqueduct	Storage
Cedar Springs Dam	Silverwood Lake	1971	73,000	90,000	West Fork Mojave River East Branch California Aqueduct	Storage
Del Valle Dam	Lake Del Valle South Bay Aqueduct/	1968	77,000	95,000	Arroyo Valle	Storage
Elderberry Forebay Dam	Elderberry Forebay	1974	24,800	30,600	Castaic Creek West Branch California Aqueduct	Power Reregulation
Fish Barrier Dam		1964			Feather River	Mitigation
Frenchman Dam	Frenchman Lake	1961	55,477	68,430	Little Last Chance Creek	Storage
Grizzly Valley Dam	Lake Davis	1966	83,000	102,000	Big Grizzly Creek	Storage
Little Panoche Detention Dam dagger	Little Panoche Reservoir	1966	5,580	6,880	Little Panoche Creek	Flood control
Los Banos Detention Dam dagger	Los Banos Reservoir	1965	34,600	42,700	Los Banos Creek	Flood control
O'Neill Dam	O'Neill Forebay	1967	56,400	69,600	San Luis Creek California Aqueduct	Reregulation
Oroville Dam	Lake Oroville	1968	3,537,577	4,363,537	Feather River	Storage Power Flood Control
Perris Dam	Lake Perris	1973	131,400	162,100	East Branch California Aqueduct	Storage
Pyramid Dam	Pyramid Lake	1970	180,000	220,000	Piru Creek West Branch California Aqueduct	Storage Power
Quail Lake Dam	Quail Lake		7,580	9,350	West Branch California Aqueduct	Reregulation
Tehachapi Afterbay Dam	Tehachapi Afterbay				California Aqueduct	Reregulation
Thermalito Afterbay Dam	Thermalito Afterbay	1968	57,040	70,360	Offstream	Power Storage
Thermalito Diversion Dam	Diversion Pool	1968	13,350	16,470	Feather River	Power
Thermalito Forebay Dam	Thermalito Forebay	1968	11,770	14,520	Offstream	Power
Total			5,746,790	7,088,560		

This is the portion of total capacity of San Luis Reservoir allocated to SWP. The total capacity is 2,041,000 acre ft (2,518,000 dam³).

CONTRACTORS



List of State Water Project water contractors[70]			
Agency or entity	Annual allocation	Share	
acre.ft	dam3		
Alameda County Flood Control and Water Conservation District	80,619	99,442	1.9%
Alameda County Water District	42,000	52,000	1.0%
Antelope Valley-East Kern Water Agency	144,844	178,662	3.5%
Butte County	27,500	33,900	0.6%
Castaic Water Agency	95,200	117,400	2.3%
Coachella Valley Water District	138,350	170,650	3.3%
Crestline-Lake Arrowhead Water Agency	5,800	7,200	0.1%
Desert Water Agency	55,750	68,770	1.3%
Dudley Ridge Water District	45,350	55,940	1.1%
Empire West Side Irrigation District	3,000	3,700	<0.1%
Kern County Water Agency	982,730	1,212,180	23.5%
Kings County	9,305	11,478	0.2%
Littlerock Creek Irrigation District	2,300	2,800	<0.1%
Metropolitan Water District of Southern California	1,911,500	2,357,800	45.8%
Mojave Water Agency	85,800	105,800	2.1%
Napa County Flood Control and Water Conservation District	29,025	35,802	0.7%
Oak Flat Water District	5,700	7,000	<0.1%
Palmdale Water District	21,300	26,300	0.5%
Plumas County Flood Control & Water Conservation District	2,600	3,200	<0.1%
San Bernardino Valley Municipal Water District	102,600	126,600	2.5%
San Gabriel Valley Municipal Water District	28,800	35,500	0.7%
San Geronio Pass Water Agency	17,300	21,300	4.2%
San Luis Obispo County Flood Control and Water Conservation District	25,000	31,000	0.6%
Santa Barbara County Flood Control and Water Conservation District	45,486	56,106	1.1%
Santa Clara Valley Water District	100,000	120,000	2.4%
Solano County Water Agency	47,756	58,906	1.1%
Tulare Lake Basin Water Storage District	87,471	107,894	2.1%
Ventura County Watershed Protection District	20,000	25,000	0.5%
Yuba City	9,600	11,800	0.2%
Total	4,172,686	5,146,932	