



MANAGEMENT OF THE  
**CALIFORNIA  
STATE WATER  
PROJECT**

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Plain View's CVP water to Reach 2A of the California Aqueduct for use by Musco Family Olive Company. A total of 569 af was delivered in 2005 under this pending agreement (SWPAO #04300). Construction of a permanent turnout is currently being pursued.

### ***U.S. Department of Veterans Affairs***

A pending letter agreement among the U.S. Department of Veterans Affairs, DWR, and Reclamation, provides for the conveyance of up to 450 af of CVP-approved water to Reach 2B of the California Aqueduct to the U.S. Department of Veterans Affairs' San Joaquin Valley National Cemetery. A total of 52 af was delivered to the National Cemetery in Reach 2B of the California Aqueduct in 2005 under this pending agreement. (SWPAO #02322)

### ***U.S. Fish and Wildlife Service Cooperative Agreement***

Reclamation initiated a cooperative agreement with DWR to deliver CVP water to the Kern National Wildlife Refuge for USFWS. Under the terms of this cooperative agreement, dated September 28, 2004, up to 30,500 af of CVP water would be delivered from Check 21 to the Buena Vista Water Storage District Turnout BV-1B, on Reach 10A of the California Aqueduct, from May 1, 2002, to May 31, 2009. DWR conveyed 22,947 af of CVP water to Kern National Wildlife Refuge in 2005.

## **Water Deliveries**

### **Approved Table A Deliveries**

Each year, by October 1, the SWP long-term water contractors submit initial requests for approved Table A deliveries allocated to contractors for use in the

subsequent calendar year. Initial approved Table A amounts for the coming year are made by DWR in December. They are based on operations studies that assume 90 per cent exceedence of historic water supply (where exceedence refers to the possibility that water supply in the coming year will be exceeded by the historic water supply), current reservoir storage, and total requests by the SWP water contractors. Forecasts for the year are updated as hydrological conditions change. Approved Table A amounts are increased or decreased depending on both actual and projected hydrologic conditions.

On October 1, 2004, SWP long-term contractors submitted initial requests for 2005.

DWR approved deliveries of 1.65 million af on November 30, 2004, resulting in initial approved Table A amounts of 40 percent of most SWP contractor requests. DWR increased the 2005 approved Table A amounts to 2.48 million af, or 60 percent on January 14, 2005. As water conditions improved, approved Table A amounts were increased to 2.89 million af (70 percent) on April 01, 2005, 3.30 million af (80 percent) on April 21, 2005 and 3.30 million af (90 percent) on May 27, 2005.

Notices to State Water Project Contractors informing them of increases or decreases in approved Table A amounts are online at <http://www.swpao.water.ca.gov/notices/index.cfm>.

### **SWP Deliveries**

The SWP delivers water for a variety of beneficial uses. In addition to delivering approved Table A water to long-term water supply contractors, the SWP



- conveys water to other public agencies through special contracts and agreements;
- provides water for wildlife and recreational uses; and
- stores, releases, and delivers local runoff water from SWP facilities to agencies that hold local water rights.

In 2005, 4,732,633 af of water were conveyed to 27 long-term contractors and 26 other agencies. That amount includes

- 2,828,406 af of approved Table A water;
- 731,083 af of Article 21 water;
- 1,506 af of SWP water for recreation and fish and wildlife; and
- 1,101,429 af of water delivered to satisfy water rights settlement agreements and agreements with SWP contractors for local water supplies.
- 70,209 af of water delivered to satisfy agreements between the SWP and CVP

Figure 9-1, shows amounts of water delivered to various locations during 2005.

Specific information about water deliveries made to long-term contractors and other agencies during 2005 and historical deliveries from 1962 through 2005 are presented in the following three sections, each with a corresponding table, located at the end of the chapter:

- Water Delivered to Long-term Water Supply Contractors in 2005, by Service Area (Table 9-3);
- Water Delivered in 2005, by Month (Table 9-4); and
- Total Amounts of Annual Table A Water

and Water Conveyed, by Type, 1962-2005 (Table 9-5).

### **Water Deliveries to Long-Term SWP Contractors**

Table 9-3 shows amounts of water delivered in 2005. The following information is arranged by column number.

#### ***2005 Approved Table A Water Delivered***

Columns 1 through 6 show a detailed breakdown of approved Table A water delivered for long-term water supply contractors in 2005.

#### ***Turn-Back Pool Water***

Column 4 shows 38,275 af of Turn-Back pool water was delivered to long-term water supply contractors in 2005.

#### ***2004 Carryover Approved Table A Water Delivered During 2005***

Column 6 shows 185,587 af of water was carried over from 2004 for delivery in 2005. For several years, DWR has offered contractors the opportunity to carry over a portion of their approved Table A water for delivery in the current year to be delivered during the next year.

The carryover program was designed to encourage the most effective and beneficial use of water and to avoid obligating the contractors to use or lose the water by December 31 of each year. The SWP contractors' long-term contracts and amendments state the criteria for carrying over approved Table A water from one year to the next.

**Total Table A Water Delivered**

Column 6 shows all approved Table A water delivered in 2005—a total of 2,828,406 af.

**2005 Article 21 and Unscheduled Water**

Column 8 shows 731,083 af of 2005 Article 21 water delivered to long-term water supply contractors (includes 729,284 af of Article 21 and 1,799 af of unscheduled water to Empire Westside ID). Long-term water supply contractors who have not signed the Monterey Amendment receive unscheduled water.

**Total SWP Water Delivered**

Column 9 shows 3,559,489 af of total SWP water delivered in 2005. This includes total approved Table A water, water bank recoveries, flexible storage withdrawal, and Article 21 and unscheduled water.

**Non-SWP Water Deliveries**

Column 10 includes deliveries of non-SWP water to long-term water contractors. Non-SWP water is generally local, settlement, and permit water that a SWP contractor has a water right to, or water purchased from, exchanged with, or transferred from non-SWP agencies. In 2005, non-SWP water deliveries totaled 67,792 af.

**Total Deliveries**

Column 11 shows total amounts of water delivered to long-term contractors. In 2005, the SWP delivered 3,627,281 af to 27 long-term contractors.

**Water Delivered in 2005 by Month**

During 2005, the SWP provided water service to 53 agencies, including 27 SWP long-term water contractors. Those

agencies and the amounts of water delivered to them by month are listed in Table 9-4, and are summarized below as SWP water and non-SWP water.

**SWP Water**

SWP water as defined in the long-term water supply contracts, includes Article 21 water, carryover approved Table A water, current year approved Table A amounts, flexible storage water, transfer and exchange of approved Table A water, and Turn-back pools A and B. Detailed information concerning those conveyances is found under the Miscellaneous Agreements with Long-Term SWP Contractors section in this chapter.

**Non-SWP Water**

In 2005, DWR used SWP facilities to convey non-SWP water for various agencies according to the terms of water rights and water transfer and exchange agreements. Detailed information concerning those conveyances is found under the Miscellaneous Agreements with Other Agencies section in this chapter.

**Floodwater**

Occasionally, during wet years, DWR accepts floodwater from the Kern River into the California Aqueduct through the Kern River-California Aqueduct Intertie under an agreement entitled Agreement among the State of California, Kern County Water Agency, and the Kern River Interests for Diversions of Floodwaters through the Kern River-California Aqueduct Intertie, dated November 18, 1975. In 2005, DWR did not accept any floodwater into the California Aqueduct.

### **Water Rights Water**

Water in this category is transported through SWP facilities to long-term SWP contractors and other agencies according to terms of various local water rights agreements. Some water simply passes through SWP transportation facilities; a portion is stored in SWP reservoirs for release later. In 2005, 1,101,429 af of water in this category were delivered to the Feather River, South Bay, North Bay, and Southern California, and are summarized below.

**Feather River Area.** Ten non-SWP agencies in the Feather River area received 1,074,706 af. Those agencies are

- Last Chance Creek Water District, 8,195 af
- Thermalito Irrigation District, 2,355 af
- South Feather Water and Power Agency, formerly Oroville-Wyandotte Irrigation District, 5,354 af
- Western Canal Water District, 283,181 af
- Joint Water Districts Board, 751,128 af
- Oswald Water District, 560 af
- Tudor Mutual Water Company, 3,497 af
- Garden Highway Mutual Water Company, 13,987 af
- Plumas Mutual Water Company, 6,449 af

**North Bay Area.** In the North Bay Area, 3,668 af of Vallejo permit and 1,132 af of water pursuant to the May 19, 2003 Settlement Agreement among DWR, Solano County Water Agency (Solano), and the Cities of Fairfield Vacaville, and Benicia, were delivered.

**South Bay Area.** In the South Bay Area, a total of 21,753 af of local water was delivered to Alameda-Zone 7 and Alameda County. These two South Bay Aqueduct contractors hold water rights to runoff from Lake Del Valle watershed.

**Southern California.** In Southern California, 170 af of local runoff from the Houston Creek watershed were stored and delivered to Crestline under water rights held by DWR on Houston Creek. The authorized place of use is limited to Crestline.

### **Annual Table A Water and Water Delivered Since 1962**

Information about annual Table A water and water conveyed for the past 40 years is contained in Table 9-5. The following discussion of conveyed Table A water is arranged according to column numbers.

#### ***Annual Table A***

Columns 1 through 7 of Table 9-5 show the amount of long-term contractors' annual Table A water by area for years 1962 through 2005 as specified in the Table A schedules of the long-term water supply contracts.

In some instances Table A schedules—projections of each contractor's need for water to 2035—have been amended to meet the needs of individual contractors. The amounts of annual Table A water each contractor may request for years 1962 through 2035 can be found in Table B-4 in Appendix B.

#### ***Water Delivered***

Columns 8 through 16 show water delivered or conveyed, including initial

fill water and operational losses and storage changes.

### ***Approved Table A Water***

Column 8 shows amounts of approved Table A water delivered each year from 1962 through 2005.

### ***Article 21 and Unscheduled Water***

Column 9 shows amounts of Article 21 water, as defined under SWP Deliveries, and unscheduled water delivered from 1962 through 2005.

Article 21 and unscheduled water is water in excess of that required to meet all demands for the year's approved Table A water and water to be stored in SWP reservoirs.

### ***Other Water***

Column 10 includes amounts of water classified as other water delivered in 2005, including non-SWP water conveyed through SWP facilities and regulated delivery of local supply.

In 2005, a total of 96,932 af of other water was delivered.

### ***Feather River Diversions***

Column 11 includes amounts of water from the Feather River delivered according to agreements for water rights water. In 2005, a total of 1,074,706 af in this category was delivered to agencies in the Feather River area.

### ***Recreation Water***

Column 12 shows water conveyed for recreational use or to provide water to improve water quality for fish and wildlife. In 2005, a total of 1,604 af of SWP water was conveyed for this purpose.

### ***Initial Fill Water***

The quantities listed in Column 14 represent the amounts used to initially fill the aqueducts and reservoirs south of the Delta to maximum operating capacities. Initial filling began in 1962 with the filling of the South Bay Aqueduct, and was completed in 1979 when Lake Perris reached its maximum operating capacity of 127,000 af. In 1996 and 1997, the Coastal Aqueduct was initially filled.

### ***Operational Losses***

Column 15 includes the total amounts of water lost through evaporation and seepage, net storage changes in reservoirs south of the Delta, and amounts of inflow from local drainage areas, including inflows into San Luis Canal and from the Kern River Intertie.

Negative values are indicated for years when withdrawals and evaporation from reservoirs south of the Delta exceed the amounts of water added to the reservoirs.

**Table 9-3. Water Delivered to Long-Term Contractors through 2005 (Acre-Feet)**

SWP Contractor	Table A Water Deliveries							2005 Article 21 (8)	Total SWP Water (9)	Non-SWP Water (10)	Total (11)
	2005 Table A not Transferred, Exchanged, or Stored (1)	2005 Table A Transferred or Exchanged (2)	2005 Table A Stored (3)	2005 Turnback Pool (4)	Total 2005 Table A (5)	2004 Carryover (6)	Total Table A (7)				
<b>Feather River</b>											
County of Butte	527				527		527		527		527
Plumas County FC&WCD											
City of Yuba City	1,894				1,894		1,894		1,894		1,894
<b>North Bay</b>											
Napa County FC&WCD	5,322				5,322	1,741	7,063	606	7,669		7,669
Solano County WA	22,515	2,000			24,515	83	24,598	10,421	35,019	4,800	39,819
<b>South Bay</b>											
Alameda County FC&WCD, Zone 7	38,388			275	38,663	7,849	46,512		46,512	11,901	58,413
Alameda County WD	10,769		25,700	943	37,412	6,341	43,753	846	44,599	10,852	55,451
Santa Clara Valley WD	48,339		32,333	342	81,014	12,133	93,147	6,298	99,445	20,000	119,445
<b>San Joaquin Valley</b>											
Castaic Lake WA	258		20,000		20,258		20,258	2,451	22,709		22,709
County of Kings	8,100			202	8,302		8,302	11,504	19,806		19,806
Dudley Ridge WD	41,437	7,672	2,500	1,286	52,895	821	53,716	28,197	81,913	576	82,489
Empire West Side ID	1,448				1,448	587	2,035	1,799	3,834		3,834
Kern County WA	754,786	48,941		22,397	826,124	9,851	835,975	453,078	1,289,053	19,216	1,308,269
Oak Flat WD	4,067			127	4,194		4,194		4,194		4,194
Tulare Lake Basin WSD	81,327	5,277		2,158	88,762	3,973	92,735	47,267	140,002	277	140,279
<b>Central Coastal</b>											
San Luis Obispo County FC&WCD	4,006				4,006		4,006	245	4,251		4,251
Santa Barbara County FC&WCD	22,981			155	23,136	208	23,344		23,344		23,344
<b>Southern California</b>											
Antelope Valley-East Kern WA	57,205				57,205	2,626	59,831		59,831		59,831
Castaic Lake WA	34,045				34,045	2,702	36,747		36,747		36,747
Coachella Valley WD	26,984			2,716	29,700	12,819	42,519		42,519		42,519
Crestline-Lake Arrowhead WA	807				807		807		807	170	977
Desert WA	33,168			1,122	34,290	14,799	49,089		49,089		49,089
Littlerock Creek ID											
Metropolitan WDSC	1,130,397	20,000	46,786	6,530	1,203,713	106,032	1,309,745	168,300	1,478,045		1,478,045
Mojave WA	10,360				10,360	1,201	11,561		11,561		11,561
Palmdale WD	10,174				10,174	1,538	11,712		11,712		11,712
San Bernardino Valley MWD	11,211	20,000			31,211	283	31,494	56	31,550		31,550
San Gabriel Valley MWD	10,500				10,500		10,500		10,500		10,500
San Geronio Pass WA	655			22	677		677	15	692		692
Ventura County FCD	1,665				1,665		1,665		1,665		1,665
<b>Totals</b>	<b>2,373,335</b>	<b>103,890</b>	<b>127,319</b>	<b>38,275</b>	<b>2,642,819</b>	<b>185,587</b>	<b>2,828,406</b>	<b>731,083</b>	<b>3,559,489</b>	<b>67,792</b>	<b>3,627,281</b>