

Management of the California State Water Project

Covers Activities during Calendar Year 1999



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State of California

Mary D. Nichols, Secretary for Resources
The Resources Agency

Thomas M. Hannigan, Director
Department of Water Resources



Significant Events

- On October 1, 1998, SWP long-term contractors submitted initial requests for 1999 entitlement deliveries totaling 3.42 million acre-feet. The Department approved deliveries of 2.24 million acre-feet on November 24, 1998, resulting in an initial entitlement allocation for 1999 of 55 percent. Improved water conditions increased the 1999 allocation of entitlement water to 2.44 million acre-feet or 60 percent on February 10, 1999. As a result of additional improvements in water conditions and a reduction in SWP contractor requests to 3.19 million acre-feet, allocations were further increased to 100 percent on March 10, 1999, and remained at that level for the rest of 1999.
- In 1999, 4,095,269 acre-feet of water were conveyed to 27 long-term contractors and 17 other agencies. That amount includes 2,738,891 acre-feet of entitlement water; 158,070 acre-feet of Article 21 water, and 4,324 acre-feet of entitlement-related water for recreation and fish and wildlife.
- The Department executed an amendment to the water supply contract between the County of Butte and the Department to increase Butte's Table A annual entitlements to 2,890 acre-feet for 1999. In 2000, Butte's Table A annual entitlements will remain at 2,890 acre-feet and, in 2001, will increase to the maximum of 27,500 acre-feet.
- The Department executed a Monterey Amendment with Ventura County Flood Control District as Amendment Number 12 to VCFCD's Water Supply Contract. Plumas County Flood Control and Water Conservation District and Empire West Side Irrigation District remain the only long-term State Water Project contractors that have not signed the Monterey Amendment.
- The Department executed two separate amendments to the water supply contracts of Kern County Water Agency and Alameda County Flood Control and Water Conservation District-Zone 7, providing for the permanent transfer of 7,000 acre-feet and 15,000 acre-feet of KCWA's SWP entitlement to ACFCWCD-Zone 7. The transfer is consistent with implementation of the Monterey Amendment, which provides for the permanent transfer of up to 130,000 acre-feet of agricultural entitlement to urban agencies.
- The Department executed amendments to the water supply contracts of KCWA and Castaic Lake Water Agency that provide for the permanent transfer of 41,000 acre-feet of KCWA's SWP entitlement to CLWA. The transfer is consistent with implementation of the Monterey Amendment.
- The Department executed amendments to the water supply contracts of KCWA and Palmdale Water District that provide for the permanent transfer of 4,000 acre-feet of KCWA's SWP entitlement to PWD. The transfer is consistent with implementation of the Monterey Amendment.

Anadromous Fish Restoration Program Action No. 8 implemented by USBR under provisions of CVPIA.

Other Agreements–Turnouts

In 1999, there were no new turnout agreements with any miscellaneous agencies.

Amendments to Miscellaneous Agreements with Other Agencies

An amendment, dated April 19, 1999, modified and clarified provisions of the existing contract between the Department and ECCID dated January 7, 1981, and the contract among the Department, ECCID, and CCWD, dated April 11, 1991, to allow the diversion of water under both contracts at the Contra Costa Canal intake and the Los Vaqueros Project intake and to increase the allowable rate of diversion at those locations. The Amendment also defined the allowable place of use and allowed the use of water outside ECCID boundaries only with the prior written consent of the Department. The Amendment is expected to be executed in February 2000.

Water Deliveries

Water Allocations

Each year, by October 1, the SWP long-term water contractors submit initial requests for water deliveries for the subsequent calendar year. Initial entitlement allocations for the coming year are made by the Department in December and are based on operations studies that assume 90 percent exceedence of historic water supply, current reservoir storage, and total requests by the SWP water contractors. Forecasts for the year are updated as the hydrological conditions change. Allocations are increased or decreased depending on both actual and projected hydrologic conditions. Unless otherwise warranted, the final May 1 water supply forecast sets delivery allocations for the remainder of the year.

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entitlement water to 2.44 million acre-feet or 60 percent on February 10, 1999. As a result of additional improvements in water conditions and a reduction in SWP contractor requests to 3.19 million acre-feet, allocations were further increased to 100 percent on March 10, 1999, and remained at that level for the rest of 1999.

SWP Deliveries

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

- conveys water to, and stores water for, 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 1999, 4,095,269 acre-feet of water were conveyed to 27 long-term contractors and 17 other agencies. That amount includes

- 2,738,891 acre-feet of entitlement water¹, (with 2,391,985 acre-feet delivered to long-term contractors' service areas, 130,969 acre-feet to WWD, and 215, 937 acre-feet delivered under the Turnback Water Pool Program);
- 158,070 acre-feet of Article 21 water; (see page 114 for more information.)
- 4,324 acre-feet of SWP water for recreation, fish and wildlife; and
- 1,193,984 acre-feet of water delivered to satisfy water rights settlement agreements and agreements made with SWP contractors and other agencies, including USBR.

Figure 9-1 shows amounts of water delivered to various locations during 1999.

¹ Annual entitlement water is the amount of SWP water long-term contractors may request each year in accordance with Article 12(a), "Procedure for Determining Water Delivery Schedule," of their water supply contract.

Specific information about water deliveries made to long-term contractors and other agencies during 1999 and historical deliveries from 1962 through 1999 are presented in the following three sections, each with a corresponding table:

- Water Delivered to Long-Term Water Supply Contractors in 1999, by Service Area (Table 9-2);
- Water Delivered in 1999, by Month (Table 9-3); and
- Total Amounts of Annual Water Entitlements and Water Conveyed, by Type, 1962-99 (Table 9-4).

Water Deliveries and Credits to Long-Term SWP Contractors

Table 9-2 shows amounts of water delivered in 1999 and future entitlement credits granted to long-term contractors through 1999. The following information about specific columns in Table 9-2 is arranged by column number.

1999 Entitlement Water Delivered. Columns 1 through 5 show a detailed breakdown of entitlement water delivered to long-term water supply contractors in 1999.

Turnback Pool Water. Column 4 shows 215,937 acre-feet of turnback pool water was delivered to long-term water supply contractors in 1999.

1998 Carryover Entitlement Water Delivered During 1999. In some instances, with the Department's approval, contractors may delay delivery of entitlement water to the next year (also known as carryover entitlement water). Column 6 shows no entitlement water was carried over from 1998 for delivery in 1999.

Article 12(d) Water. Column 7 shows no Article 12(d) water was delivered in 1999.

Article 14(b) Water. No 1998 entitlement water was delivered in 1999 under Article 14(b).

Total Entitlement Water Delivered. Column 9 shows all entitlement water delivered in 1999—a total of 2,738,891 acre-feet.

1999 Article 21 Water. Column 10 shows 158,070 acre-feet of 1999 Article 21 water delivered to long-term water supply contractors in 1999. Article 21 water is water in excess of that required to meet all demands for entitlement water and water to be stored in SWP reservoirs. Article 21 was amended most recently by the Monterey Amendment. Long-term water supply contractors who signed their Monterey Amendment receive interruptible water under Article 21. Long-term water supply contractors who have not signed the Monterey Amendment receive surplus and unscheduled water.

Total SWP Water Delivered. Column 11 shows 2,896,961 acre-feet of total SWP water delivered in 1999. This includes total entitlement water and Article 21 water.

Non-SWP Water Deliveries. Column 12 includes deliveries of nonproject water to long-term water contractors. Nonproject water is generally local water that a SWP contractor has a water right to, or water purchased from or exchanged with non-SWP agencies. In 1999, other water deliveries totaled 25,029 acre-feet.

Total Deliveries. Column 13 shows total amounts of water delivered to long-term contractors. In 1999, the SWP delivered 2,921,990 acre-feet to 27 long-term contractors. This amount included 2,738,891 acre-feet of entitlement water, 158,070 acre-feet of Article 21 water, and 25,029 acre-feet of nonproject water.

Carryover Water Approved for Delivery. For several years, the Department has offered contractors the opportunity to carry over a portion of their entitlement water approved for delivery in the current year for delivery 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 of carrying over entitlement water from 1 year to the next.

In 1999, 303,966 acre-feet of carryover water were approved for future delivery. In addition, 14,956 acre-feet of 14(b) carryover were approved

**Table 9-2
Water Delivered to Long-Term Contractors through 1999, by Service Area
(Acre-Feet)**

Water Contractor or Agency	Water Deliveries in 1999												
	Entitlement Water Deliveries									1999 Article 21 Water (10)	Total SWP Water Delivered (11)	Non-SWP Water Deliveries (12)	Total Deliveries (13)
	1999 Entitlement Water without Transfers, Exchanges, and Storage (1)	1999 Entitlement Water Delivered through Transfers and Exchanges (2)	1999 Entitlement Water Delivered to Storage (3)	Turnback Pool Water (4)	Total 1999 Entitlement Water Delivered (5)	1998 Carryover Entitlement Water Delivered during 1999 (6)	Makeup Water Per Article 12(d) (7)	Makeup Water Per Article 14(b) (8)	Total Entitlement Water (9)				
Feather River Area													
County of Butte	286				286				286				286
Plumas County FCWCD	0				0				0				0
City of Yuba City	1,096				1,096				1,096		1,096		1,096
North Bay Area										754			
Napa County FCWCD	4,550				4,550				4,550		5,304		5,304
Solano County WA	34,753				34,753				34,753		34,753		34,753
South Bay Area													
Alameda County FCWCD-Zone 7	26,000		20,000		46,000				46,000	2,910	48,910	17,024	65,934
Alameda County WD	21,151		13,720		34,871				34,871	2,781	37,652	7,992	45,644
Santa Clara Valley WD	52,945		14,520		67,465				67,465	15,480	82,945		82,945
San Joaquin Valley Area													
Castaic Lake WA	4,086				4,086				4,086		4,086		4,086
County of Kings	4,000				4,000				4,000		4,000		4,000
Dudley Ridge WD	49,784		3,500	5,066 ^a	58,350				58,350	4,990	63,340		63,340
Empire West Side ID	3,000				3,000				3,000	176 ^b	3,176		3,176
Kern County WA	1,007,144	61,199 ^c		42,154	1,077,497				1,110,497	58,241	1,168,738		1,168,738
Oak Flat WD	4,871				4,871				4,871		4,871		4,871
Tulare Lake Basin WSD	81,730	46,256 ^d		121,337	249,323				249,323	49,898	299,221		299,221
Central Coastal Area													
San Luis Obispo County FCWCD	3,743				3,743				3,743		3,743		3,743
Santa Barbara County FCWCD	20,137				20,137				20,137		20,137		20,137
Southern California													
Antelope Valley-East Kern WA	69,073	1,439 ^e			70,512				70,512		70,512		70,512
Castaic Lake WA	28,813				28,813				28,813		28,813		28,813
Coachella Valley WD	23,100			27,380	50,480				50,480		50,480		50,480
Crestline-Lake Arrowhead WA	1,132				1,132				1,132		1,132	13	1,145
Desert WA	38,100			20,000	58,100				58,100		58,100		58,100
Littlerock Creek ID	342				342				342		342		342
Metropolitan WD	681,605	33,000 ^f	115,172		829,777				829,777	22,840	852,617		852,617
Mojave WA	3,705	3,000 ^g			6,705				6,705		6,705		6,705
Palmdale WD	13,278				13,278				13,278		13,278		13,278
San Bernardino Valley MWD	12,874				12,874				12,874		12,874		12,874
San Gabriel Valley MWD	18,000				18,000				18,000		18,000		18,000
San Geronio Pass WA	0				0				0		0		0
Ventura County FCD	1,850				1,850				1,850		1,850		1,850
Total	2,211,148	144,894	166,912	215,937	2,738,891	0	0	0	2,738,891	158,070	2,896,961	25,029	2,921,990

^a Includes delivery of 229 acre-feet of Pool B water to San Gabriel WA Storage Basin.
^b Unscheduled water.
^c Includes deliveries of: 20,423 acre-feet of exchange entitlement water to Westlands WD; 40,776 acre-feet of transfer entitlement water to Westlands WD.
^d Includes deliveries of: 33,770 acre-feet of exchange entitlement water to Westlands WD; 9,000 acre-feet of exchange entitlement water from Kern County WA; 3,000 acre-feet of transfer entitlement water to Westlands WD; 400 acre-feet of transfer entitlement water from Kern County WA; and 86 acre-feet of transfer entitlement water from Dudley Ridge WD.
^e Transferred entitlement water from Mojave WA.
^f Exchanged entitlement water to Westlands WD.
^g Exchanged entitlement water from Solano County WA.