State of California | The Resources Agency

Memorandum

Date : March 20, 2000

To : 1. Acting Chief, Statewide Planning Branch
2. William J. Bennett

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Water Resources Evaluation Section
From : **Department of Water Resources**

Subject: 1995 Annual Water Use-Water Supply Budgets

This report is the eighth in a series that provides field information on population, land use, water use, surface water supply, and groundwater. The data reported are based on precipitation, temperature, runoff, water supply, and water use measurements for 1995, rather than normalized conditions as assumed in a base year for Bulletin 160. Provided are 1995 data by planning subarea and by county; water use and supplies by planning subarea; and groundwater changes from 1994 to 1995.

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Table of Contents

Overview 1

Table 1. Reservoir Storage as of September 30 1
Figure 1. Hydrologic Regions in California 2
Figure 2. Water Year Precipitation in Percent of Average, 1995, By Hydrologic Region 3
Figure 3. Water Year Runoff in Percent of Average, 1995, By Hydrologic Region 4

Population 5

Table 2. July 1995 Population by Hydrologic Region 5
Figure 4. Annual Population Increase, 1972-1995 5
Table 3. July 1995 Population by County, Ranked by Size 6
Table 4. July 1995 Population by Planning Subarea 7

Land Use 8

Table 5. Government Payments to California Farmers 8
Table 6. Government Payments to U.S. Farmers 9
Table 7. 1995 Crop Acreage by Planning Subarea 9
Table 8. 1995 Crop Acreage by Hydrologic Region 13
Table 9. 1995 Crop Acreage by County 14
Table 10. 1995 Irrigated Crop Acreage Compared with 1994 15

Water Use and Supplies 16

Table 11. 1995 Instream Fish Flows 16
Figure 5. Per Capita Water Production by Hydrologic Region 17
Table 12. Per Capita Water Production by Region 19
Table 13. 1995 Wild and Scenic River Flows 19
Table 14. 1995 Delta Outflow 19
Table 15. 1995 Wetlands Water Use 20
Table 16. 1995 Water Use in California by Planning Subarea 21
Table 17. 1995 Water Use in California by Hydrologic Region 24
Table 18. 1995 Environmental Water Use in California by Hydrologic Region 25
Table 19. 1995 Water Year State Water Project Delivery Summary 26
Table 20. 1995 Water Year U.S. Bureau of Reclamation Delivery Summary 27
Table 21. Applied Water Budgets by Planning Subarea 28
Table 22. Applied Water Budgets by Hydrologic Region 31
Table 23. Net Water Budgets by Planning Subarea 32
Table 24. Net Water Budgets by Hydrologic Region 35
Table 25. Groundwater Changes Spring 1994 to Spring 1995 36

Contributors 41

Overview

This report provides actual field information for 1995 on population, land use, water use, surface water supply, and groundwater. Data are based on actual climatic and hydrologic data rather than on normal conditions as assumed in a base year for Bulletin 160. Annual reports provide timely information on changes in population, land use, groundwater, and water use in California. Totals shown in tables will not always add exactly because of rounding. Population data for years 1991 through 1994 are based upon revised estimates on July 1, 1995 and may not match data presented in previous annual reports.

Water year 1995 was a year of above normal rainfall. However, it followed a year with deficient supplies, and reservoir carryover storage from 1994 was below normal. Statewide precipitation averaged 162 percent, runoff averaged 182 percent, and reservoir storage increased 12.2 million acre-feet to 130 percent of normal at the end of the year. Groundwater storage increased as the surface water supplies were well above normal, reducing the need for groundwater.

Table 1
Reservoir Storage as of September 30
(1,000 acre-feet)

Hydrologic Region	Number of Reservoirs	Historic Average	1994	1995
North Coast	7	2,086	1,546	2,283
San Francisco Bay	18	397	417	525
Central Coast	6	521	300	665
South Coast	29	1,122	1,432	1,704
Sacramento River	43	10,135	7,324	11,927
San Joaquin River	33	5,914	4,211	8,799
Tulare Lake	6	672	312	1,194
North Lahontan	5	560	85	689
South Lahontan	8	293	257	333
California	**155**	**21,699**	**15,884**	**28,120**
Percent of Average			**73**	**130**

Figure 1
Hydrologic Regions in California

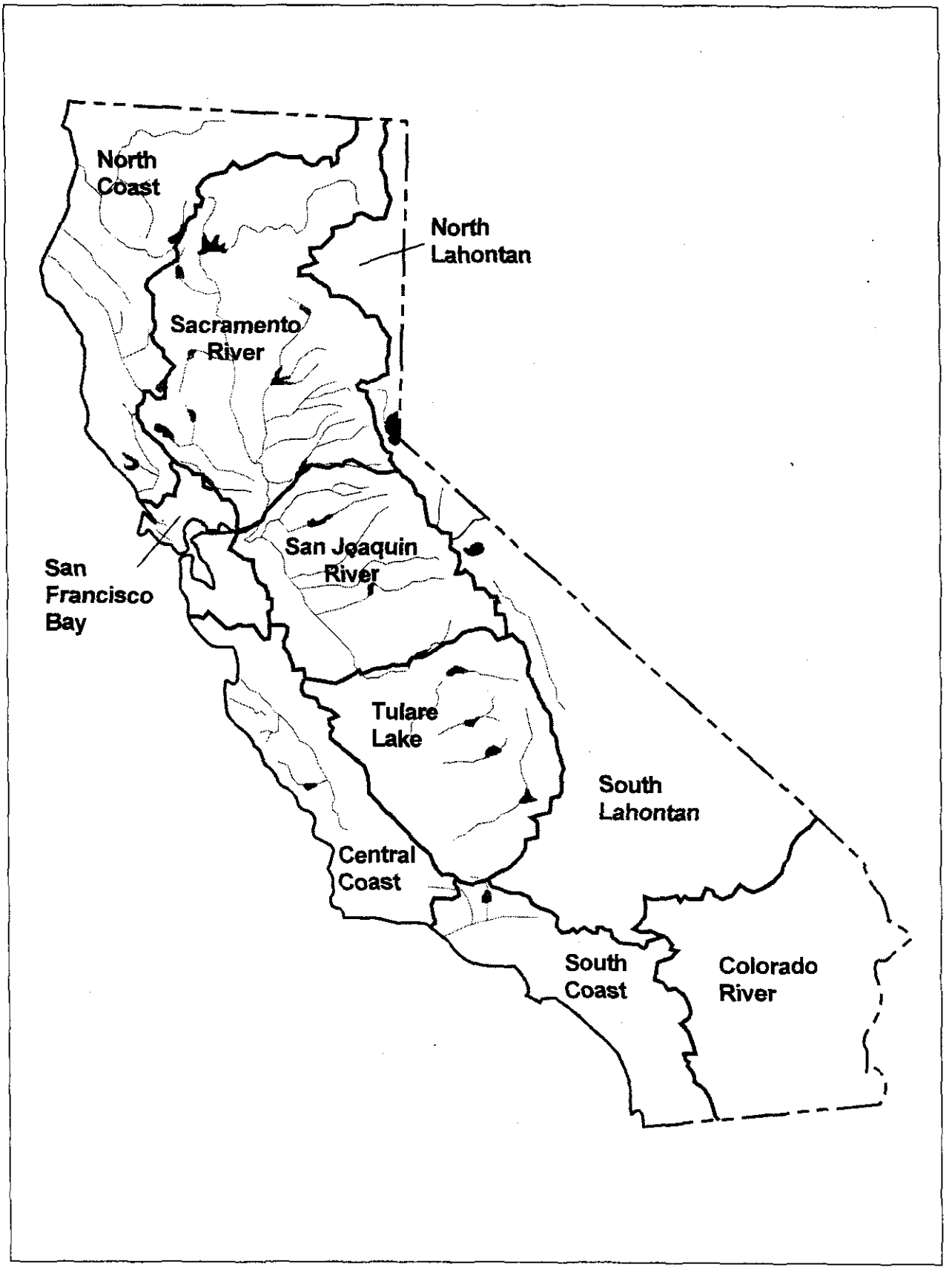


Figure 2
Water Year Precipitation in Percent of Average, 1995
By Hydrologic Region

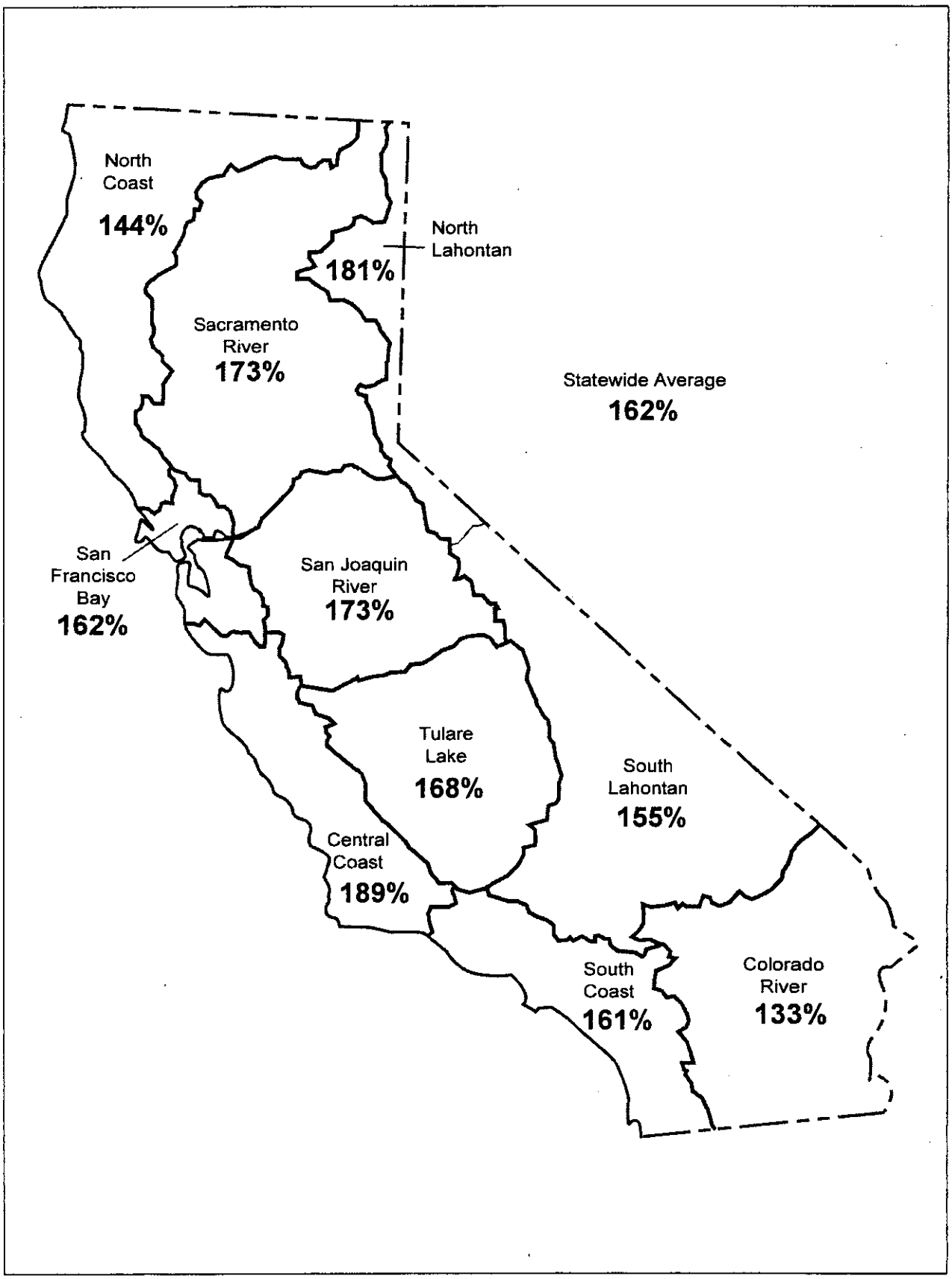
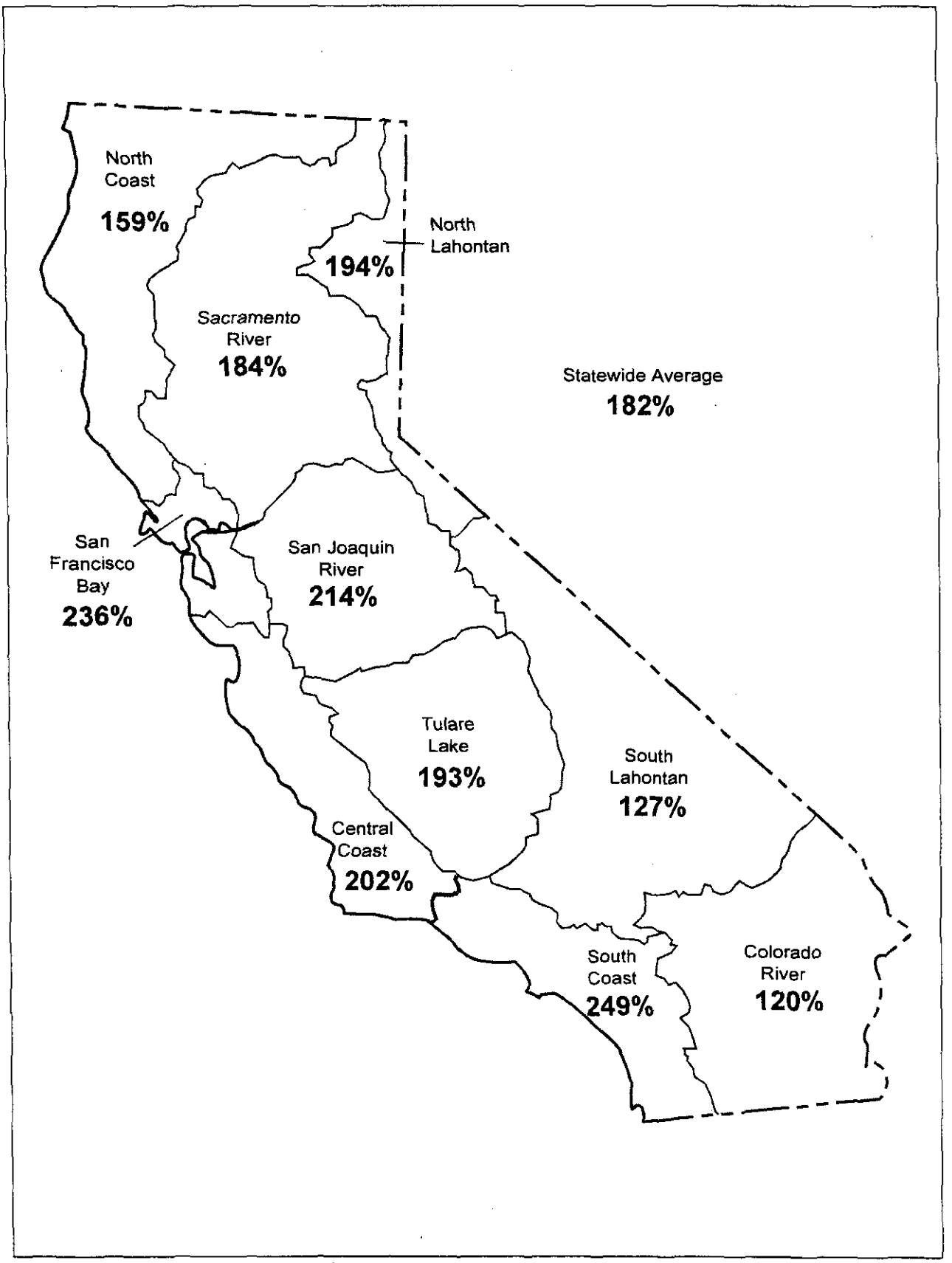


Figure 3
Water Year Runoff in Percent of Average, 1995
By Hydrologic Region



Population

Department of Finance estimates of population are made during the years between the U.S. Census using data from school enrollments, labor force, federal income tax returns, drivers licenses, Medicare data, and birth and death data. Present-year estimates are made on July 1 of each year, along with revised estimates for the previous years since the last census. Therefore, population estimates for a given non-census year are revised each following year until the next census. DOF estimated California's population at 32,063,000 on July 1, 1995. This is an increase of 273,000 from 1995 revised estimates for July 1, 1994, or 0.9 percent over this period. This was the lowest growth since 1971-72 and continued the pattern of declining growth that started in 1990-91. Net migration was minus 74,000, less than the 82,000 loss of the year before. The number of births declined for a third year in a row, after eighteen consecutive years of increase. Deaths decreased slightly to 222,000.

Tables 2, 3, and 4 show regional, county and planning subarea population data. Figure 4 shows annual population increase from 1972 through 1995. These increases are found by comparing the July 1995 estimated current population to the estimated populations for past years. For years 1991 through 1995, year increases were based upon 1991 through 1994 population estimates revised in July of 1995, and thus may not match population increases presented in previous annual reports which were based upon prior revisions.

Table 2
July 1995 Population by Hydrologic Region

Hydrologic Region	Population	Percent of Total	Hydrologic Region	Population	Percent of Total
NC	606,025	1.9	TL	1,737,665	5.4
SF	5,780,180	18.0	NL	84,105	0.3
CC	1,346,570	4.2	SL	712,825	2.2
SC	17,298,860	54.0	CR	532,775	1.7
SR	2,372,170	7.4			
SJ	1,591,585	5.0	**CA**	**32,062,760**	**100.0**

Figure 4
Annual Population Increase, 1972-1995
(Thousands)

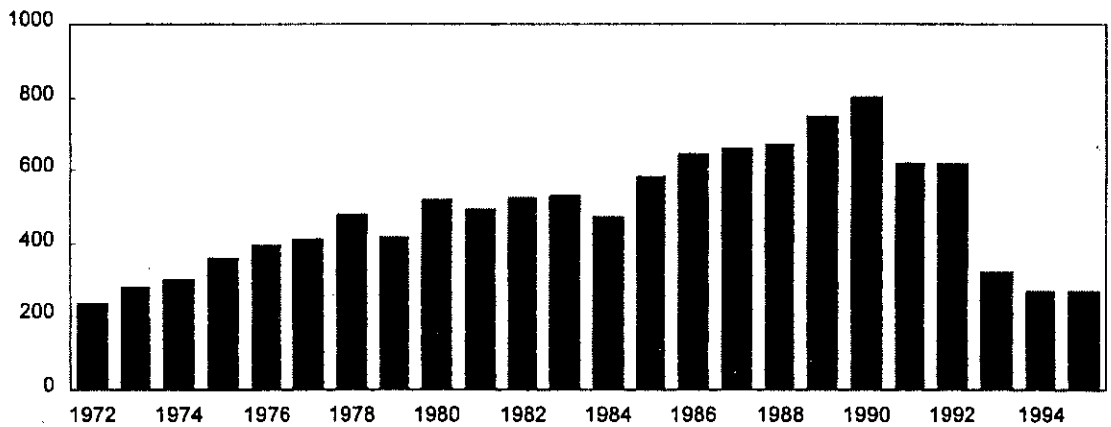


Table 3
July 1995 Population by County, Ranked by Size

County	Population	County	Population	County	Population
Los Angeles	9,352,200	Tulare	349,800	Tehama	54,200
San Diego	2,669,200	Santa Cruz	241,500	Tuolumne	51,500
Orange	2,614,800	Marin	238,900	Siskiyou	44,650
Santa Clara	1,603,300	San Luis Obispo	228,400	San Benito	42,650
San Bernardino	1,581,600	Placer	203,500	Calaveras	36,950
Riverside	1,370,300	Merced	198,500	Amador	32,600
Alameda	1,347,700	Butte	196,100	Lassen	28,650
Sacramento	1,117,700	Shasta	160,900	Del Norte	27,600
Contra Costa	867,300	Yolo	150,800	Glenn	26,600
Fresno	754,100	El Dorado	144,200	Plumas	20,500
San Francisco	751,500	Imperial	137,400	Inyo	18,450
Ventura	712,700	Humboldt	124,500	Colusa	17,850
San Mateo	689,700	Napa	117,800	Mariposa	15,900
Kern	616,700	Kings	114,900	Trinity	13,400
San Joaquin	524,600	Madera	106,400	Mono	10,550
Sonoma	419,500	Nevada	86,600	Modoc	10,050
Stanislaus	413,800	Mendocino	84,300	Sierra	3,390
Santa Barbara	391,400	Sutter	73,800	Alpine	1,170
Solano	370,500	Yuba	62,300		
Monterey	361,800	Lake	55,100	**Total**	**32,062,760**

Source: Department of Finance

Table 4
July 1995 Population by Planning Subarea

Hydrologic Region	Planning Subarea	Population
North Coast	Upper Klamath	30,020
	L. Klamath-Smith	49,635
	Coastal	166,380
	Russian River	359,990
	Total	**606,025**
SF Bay	North Bay	712,125
	South Bay	5,068,055
	Total	**5,780,180**
Central Coast	Northern	726,530
	Southern	620,040
	Total	**1,346,570**
South Coast	Santa Clara	921,760
	Metropolitan	8,846,400
	Santa Ana	4,349,400
	San Diego	3,181,300
	Total	**17,298,860**
Sac River	Shasta L.-Pit R.	31,570
	Northwest Valley	116,085
	Northeast Valley	204,950
	Southeast	267,295
	Cntl Basin West	264,400
	Cntl Basin East	1,364,285
	Southwest	56,770
	Delta Service Area	66,815
	Total	**2,372,170**
SJR	Sierra Foothills	159,635
	Eastern Valley Floor	335,985
	Delta Service Area	179,200
	Western Uplands	75,225
	East Side Uplands	49,075
	Valley East Side	722,245
	Valley West Side	70,190
	West Side Uplands	30
	Total	**1,591,585**
Tulare Lake	Uplands	57,375
	Kings-Kwhh-Tule R.	1,140,605
	San Luis West Side	45,455
	Western Uplands	7,605
	Kern Valley Floor	486,625
	Total	**1,737,665**
N. Lahontan	Lassen Group	25,485
	Alpine Group	58,620
	Total	**84,105**
S. Lahontan	Mono-Owens Area	25,775
	Death Valley	1,075
	Indian Wells Area	53,475
	Antelope Valley	326,400
	Mojave River	306,100
	Total	**712,825**
Colorado River	29 Palms-Lanfair	68,125
	Chuckwalla	2,950
	Colorado River	34,725
	Coachella	289,450
	Borrego	6,750
	Imperial Valley	130,775
	Total	**532,775**
California Total		**32,062,760**

Land Use

California's total irrigated land acreage in 1995 was 9.028 million acres, about 8,000 acres more than 1994. Significant crop changes from 1994 were that double cropped acreage increased by about 91,000 acres. 1995 was a year of above normal surface water supplies, and reservoir and groundwater storage generally increased from the previous year.

Annual acreage is estimated from DWR county surveys and the County Agricultural Commission reports. Counties that were surveyed in 1995 were: Contra Costa, Lake, Madera, Merced, San Luis Obispo, Santa Barbara, Shasta, and Yuba.

Agricultural price support programs, conservation reserve programs, marketing orders, and international trade restrictions by the federal government impact the irrigated acreage in California, but the impact is difficult to determine. Price support programs that required farmers to idle irrigated acreage and the Crop Acreage Reduction Program tended to reduce California's planted acreage. On the other hand, subsidy programs that made crops profitable, which otherwise might not have been planted, tended to increase acreage. Tabulated below are the government payments to California farmers and to all U.S. farmers for the last twelve years. In 1995, California ranked number one in net farm income (13.5 percent of total in U.S.), but received only 3.3 percent of federal payments to farmers.

Table 5
Government Payments to California Farmers
(1,000 Dollars)

Year	Feed Grains	Wheat	Rice	Cotton	Wool Act	Conser-vation	Miscel-laneous	Total
1984	2,688	19,040	29,016	27,023	9,717	7,717	240,058	**335,259**
1985	5,295	21,711	121,362	99,972	8,091	5,325	39,131	**300,887**
1986	17,324	43,441	82,272	119,602	9,476	4,990	110,756	**387,861**
1987	36,397	60,250	87,589	168,103	8,295	10,866	90,511	**462,011**
1988	28,464	40,237	87,435	118,600	6,949	12,879	40,514	**335,078**
1989	10,331	10,426	124,811	148,324	3,203	13,684	61,311	**372,090**
1990	6,340	27,752	92,150	57,995	4,463	14,452	49,181	**252,333**
1991	8,942	32,741	102,428	48,991	8,968	13,212	45,537	**260,819**
1992	10,643	23,134	103,570	91,232	10,794	13,479	177,530	**430,382**
1993	15,093	30,023	127,013	138,427	8,915	14,144	188,531	**522,146**
1994	8,042	22,747	67,688	92,978	9,952	14,642	56,732	**272,781**
1995	8,635	11,701	155,898	5,239	5,797	15,360	35,040	**237,670**

Table 6
Government Payments to U.S. Farmers
(1,000 Dollars)

Year	Feed Grains	Wheat	Rice	Cotton	Wool Act	Conser-vation	Miscel-laneous	Total
1984	366,739	1,795,151	191,783	274,658	117,578	191,458	5,493,003	**8,430,370**
1985	2,860,552	1,949,621	577,234	1,106,244	97,596	188,830	924,077	**7,704,154**
1986	5,158,038	3,499,721	422,769	1,042,392	119,922	253,697	1,324,812	**11,821,351**
1987	8,489,993	2,931,266	474,853	1,204,298	143,724	1,530,927	1,971,671	**16,746,732**
1988	7,219,460	1,841,883	464,548	923,863	116,777	1,607,379	2,305,898	**14,479,808**
1989	3,140,796	602,997	670,982	1,183,316	81,403	1,770,664	3,436,044	**10,886,202**
1990	2,701,173	2,311,300	464,880	440,757	96,195	1,898,141	1,385,584	**9,298,030**
1991	2,648,653	2,165,672	550,029	406,903	153,519	1,858,183	431,440	**8,214,399**
1992	2,499,273	1,402,688	512,300	751,177	188,082	1,899,421	1,915,979	**9,168,920**
1993	4,844,009	1,909,362	649,678	1,255,618	173,249	1,966,691	2,633,408	**13,432,015**
1994	1,448,688	1,156,242	336,701	826,743	201,931	1,977,661	1,933,070	**7,881,036**
1995	3,023,945	587,194	784,463	29,688	98,255	1,896,203	833,623	**7,253,371**

Table 7
1995 Crop Acreage by Planning Subarea
(1,000 acres)

	North Coast Region					San Francisco Bay Region		
Crop	Upper Klamath	Lower Klamath	Coastal	Russian River	Total	North Bay	South Bay	Total
Grain	37.5	0.1	0.2	0.3	38.1	1.0	1.2	2.2
Rice	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cotton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sugar Beets	6.9	0.0	0.0	0.0	6.9	0.1	0.0	0.1
Corn	0.2	0.0	0.1	0.0	0.3	0.0	0.4	0.4
Other Field	0.1	0.0	0.1	1.1	1.3	0.5	1.1	1.6
Alfalfa	54.8	1.5	0.4	0.0	56.7	0.0	0.2	0.2
Pasture	79.8	11.1	23.7	11.3	125.9	4.2	0.7	4.9
Tomatoes	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2
Other Truck	16.8	0.7	1.9	0.9	20.3	1.1	7.7	8.8
Almond-Pistachio	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Deciduous	0.1	0.0	1.0	5.6	6.7	4.2	1.9	6.1
Citrus-Olive	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grapes	0.0	0.0	1.0	36.0	37.0	36.8	2.1	38.9
Total Crop Acres	**196.2**	**13.4**	**28.4**	**55.2**	**293.2**	**48.1**	**15.3**	**63.4**
Double Crop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Land Acres	**196.2**	**13.4**	**28.4**	**55.2**	**293.2**	**48.1**	**15.3**	**63.4**

Figure 7 (cont.)
1995 Crop Acreage by Planning Subarea
(1,000 acres)

	Central Coast Region			South Coast Region				
Crop	Southern	Northern	Total	Santa Clara	Metro LA	Santa Ana	San Diego	Total
Grain	9.1	22.1	31.2	0.1	0.0	6.0	7.3	13.4
Rice	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cotton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sugar Beets	0.0	1.9	1.9	0.0	0.0	0.0	0.0	0.0
Corn	1.0	2.4	3.4	0.5	0.2	2.6	0.3	3.6
Other Field	4.9	8.0	12.9	0.4	0.0	3.7	0.1	4.2
Alfalfa	6.9	3.5	10.4	0.6	0.0	7.7	0.7	9.0
Pasture	7.1	3.0	10.1	2.3	0.3	10.2	4.9	17.7
Tomatoes	0.8	7.8	8.6	2.1	0.0	1.1	2.5	5.7
Other Truck	135.5	296.1	431.6	49.0	4.0	19.6	14.1	86.7
Almond-Pistachio	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Deciduous	5.4	14.6	20.0	0.3	0.0	0.9	2.3	3.5
Citrus-Olive	13.8	1.1	14.9	58.8	2.0	28.0	68.6	157.4
Grapes	24.8	33.6	58.4	0.0	0.0	3.8	2.3	6.1
Total Crop Acres	**209.3**	**394.1**	**603.4**	**114.1**	**6.5**	**83.6**	**103.1**	**307.3**
Double Crop	69.6	104.0	173.6	20.9	0.1	8.0	3.1	32.1
Total Land Acres	**139.7**	**290.1**	**429.8**	**93.2**	**6.4**	**75.6**	**100.0**	**275.2**

Table 7 (cont.)
1995 Crop Acreage by Planning Subarea
(1,000 acres)

	Sacramento River Region								
Crop	Shasta Pit	NW Valley	NE Valley	South east	Central Basin W	Central Basin E	South west	Delta Serv Area	Total
Grain	14.5	11.2	3.8	1.9	106.3	36.4	0.8	23.8	198.7
Rice	3.6	3.0	0.0	0.7	203.8	307.3	1.1	0.7	520.2
Cotton	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	4.2
Sugar Beets	1.2	0.3	0.4	0.0	13.0	7.1	0.0	6.2	28.2
Corn	0.0	3.2	1.2	0.0	40.4	13.9	0.0	39.5	98.2
Other Field	0.2	3.6	4.4	0.0	81.2	50.0	0.0	37.3	176.7
Alfalfa	33.9	9.2	1.6	3.2	60.5	12.0	0.3	11.9	132.6
Pasture	94.0	44.9	22.7	77.3	27.0	49.7	5.9	16.9	338.4
Tomatoes	0.0	0.0	0.0	0.0	116.2	34.4	0.0	24.5	175.1
Other Truck	0.8	0.4	0.8	1.0	22.8	15.3	0.1	2.5	43.7
Almond-Pistachio	0.0	13.6	20.6	0.0	39.1	29.9	0.0	0.0	103.2
Other Deciduous	0.1	17.9	28.8	2.6	34.4	121.4	8.0	7.4	220.6
Citrus-Olive	0.0	22.6	0.3	2.4	1.9	3.0	0.0	0.0	30.2
Grapes	0.0	0.0	0.0	1.0	5.0	0.3	5.9	6.4	18.6
Total Crop Acres	**148.3**	**129.9**	**84.6**	**90.1**	**755.8**	**680.7**	**22.1**	**177.1**	**2,088.6**
Double Crop	0.0	0.4	0.2	0.0	35.1	12.1	0.0	0.7	48.5
Total Land Acres	**148.3**	**129.5**	**84.4**	**90.1**	**720.7**	**668.6**	**22.1**	**176.4**	**2,040.1**

Table 7 (cont.)
1995 Crop Acreage by Planning Subarea
(1,000 acres)

	San Joaquin River Region								
Crop	Sierra Foot	E Valley Floor	Delta	West Uplands	E Side Uplands	Valley E Side	Valley W Side	W Side Uplands	Total
Grain	0.0	17.8	32.3	0.4	0.0	74.8	26.9	0.0	152.2
Rice	0.0	4.9	0.0	0.0	0.0	10.4	7.3	0.0	22.6
Cotton	0.0	0.0	0.0	0.0	0.0	71.2	116.6	0.0	187.8
Sugar Beets	0.0	7.9	8.6	0.0	0.0	6.1	14.8	0.0	37.4
Corn	0.0	30.8	60.5	0.1	0.0	113.7	20.0	0.0	225.1
Other Field	0.0	26.2	38.2	5.1	0.8	21.4	44.2	0.0	135.9
Alfalfa	0.0	14.4	43.0	3.0	0.0	104.3	68.5	0.0	233.2
Pasture	2.7	48.0	10.2	0.7	1.0	125.6	14.9	0.0	203.1
Tomatoes	0.0	13.0	23.4	0.0	0.0	17.0	40.0	0.0	93.4
Other Truck	0.1	9.6	37.8	0.4	0.0	30.6	54.5	0.0	133.0
Almond-Pistachio	0.0	3.1	2.5	1.3	0.0	250.6	17.1	0.0	274.6
Other Deciduous	3.1	40.8	11.5	2.9	0.3	76.7	25.2	0.0	160.5
Citrus-Olive	0.0	0.0	0.0	0.0	0.0	6.7	0.6	0.0	7.3
Grapes	1.9	63.0	1.5	0.6	0.1	124.7	1.5	0.0	193.3
Total Crop Acres	**7.8**	**279.5**	**269.5**	**14.5**	**2.2**	**1033.8**	**452.1**	**0.0**	**2,059.4**
Double Crop	0.0	11.7	8.0	0.4	0.0	44.8	17.5	0.0	82.4
Total Land Acres	**7.8**	**267.8**	**261.5**	**14.1**	**2.2**	**989.0**	**434.6**	**0.0**	**1,977.0**

Table 7 (cont.)
1995 Crop Acreage by Planning Subarea
(1,000 acres)

	Tulare Lake Region				
Crop	Kern Valley	Kings-Kwh-Tle	San Luis W Side	Uplands	Total
Grain	58.2	160.0	62.5	0.0	280.7
Rice	0.0	0.2	0.0	0.0	0.2
Cotton	299.4	440.0	281.7	0.0	1021.1
Sugar Beets	7.6	8.3	5.0	0.0	20.9
Corn	6.8	156.5	1.9	0.0	165.2
Other Field	19.5	76.2	32.0	0.0	127.7
Alfalfa	83.1	184.9	10.6	1.0	279.6
Pasture	3.3	28.9	0.5	2.0	34.7
Tomatoes	5.7	3.9	88.2	0.0	97.8
Other Truck	81.4	30.7	83.9	1.0	197.0
Almond-Pistachio	108.0	57.3	20.9	0.0	186.2
Other Deciduous	22.2	176.9	6.5	1.0	206.6
Citrus-Olive	50.3	151.8	0.9	2.8	205.8
Grapes	91.6	290.7	5.7	0.0	388.0
Total Crop Acres	**837.1**	**1766.3**	**600.3**	**7.8**	**3,211.5**
Double Crop	24.5	73.0	15.0	0.0	112.5
Total Land Acres	**812.6**	**1693.3**	**585.3**	**7.8**	**3,099.0**

Table 7 (cont.)
1995 Crop Acreage by Planning Subarea
(1,000 acres)

	North Lahontan Region			South Lahontan Region					
Crop	Lassen Group	Alpine Group	Total	Mono Owens	Death Valley	Indian Wells	Antelope Valley	Mojave River	Total
Grain	5.3	0.0	5.3	0.0	0.0	0.0	2.7	0.2	2.9
Rice	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Cotton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sugar Beets	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Corn	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1
Other Field	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.7	1.2
Alfalfa	38.6	3.4	42.0	9.6	1.6	2.0	6.7	13.0	32.9
Pasture	66.8	37.2	104.0	16.0	0.2	0.1	0.3	1.0	17.6
Tomatoes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Truck	1.1	0.0	1.1	0.7	0.0	0.0	2.9	0.2	3.8
Almond-Pistachio	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Deciduous	0.0	0.0	0.0	0.0	0.1	0.3	1.8	0.4	2.6
Citrus-Olive	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grapes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Crop Acres	**112.5**	**40.6**	**153.1**	**26.3**	**1.9**	**2.4**	**15.0**	**15.5**	**61.1**
Double Crop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Land Acres	**105.0**	**40.8**	**145.8**	**26.3**	**1.9**	**2.4**	**15.0**	**15.5**	**61.1**

Table 7 (cont.)
1995 Crop Acreage by Planning Subarea
(1,000 acres)

	Colorado River Region						
Crop	29.0 Palms	Chuck-walla	Colorado River	Coachella	Borrego	Imperial	Total
Grain	0.0	0.0	14.9	0.6	0.2	64.5	80.2
Rice	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cotton	0.0	0.0	14.4	0.0	0.0	6.4	20.8
Sugar Beets	0.0	0.0	0.0	0.0	0.0	31.6	31.6
Corn	0.0	0.0	1.7	5.5	0.4	4.7	12.3
Other Field	0.1	0.0	17.7	2.5	0.9	83.4	104.6
Alfalfa	2.5	0.0	57.8	2.6	1.6	188.2	252.7
Pasture	0.0	0.0	2.9	1.6	0.1	41.5	46.1
Tomatoes	0.0	0.0	0.4	0.4	0.1	2.0	2.9
Other Truck	0.0	1.0	20.6	20.4	3.7	91.7	137.4
Almond-Pistachio	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Deciduous	0.0	0.0	0.0	0.4	0.1	0.3	0.8
Citrus-Olive	0.2	3.1	5.4	20.3	2.2	3.3	34.5
Grapes	0.8	0.0	0.0	17.9	0.0	0.0	18.7
Total Crop Acres	**3.6**	**4.1**	**135.8**	**72.2**	**9.3**	**517.6**	**742.6**
Double Crop	0.0	0.0	21.6	14.8	1.7	68.6	106.7
Total Land Acres	**3.6**	**4.1**	**114.2**	**57.4**	**7.6**	**449.0**	**635.9**

Table 8
1995 Crop Acreage by Hydrologic Region
(1,000 acres)

Crop	North Coast	SF Bay	Central Coast	South Coast	Sac River	SJR	Tulare Lake
Grain	38.1	2.2	31.2	13.4	198.7	152.2	280.7
Rice	0.0	0.0	0.0	0.0	520.2	22.6	0.2
Cotton	0.0	0.0	0.0	0.0	4.2	187.8	1,021.1
Sugar Beets	6.9	0.1	1.9	0.0	28.2	37.4	20.9
Corn	0.3	0.4	3.4	3.6	98.2	225.1	165.2
Other Field	1.3	1.6	12.9	4.2	176.7	135.9	127.7
Alfalfa	56.7	0.2	10.4	9.0	132.6	233.2	279.6
Pasture	125.9	4.9	10.1	17.7	338.4	203.1	34.7
Tomatoes	0.0	0.2	8.6	5.7	175.1	93.4	97.8
Other Truck	20.3	8.8	431.6	86.7	43.7	133.0	197.0
Almond-Pistachio	0.0	0.0	0.0	0.0	103.2	274.6	186.2
Other Deciduous	6.7	6.1	20.0	3.5	220.6	160.5	206.6
Citrus-Olive	0.0	0.0	14.9	157.4	30.2	7.3	205.8
Grapes	37.0	38.9	58.4	6.1	18.6	193.3	388.0
Total Crop Acres	**293.2**	**63.4**	**603.4**	**307.3**	**2,088.6**	**2,059.4**	**3,211.5**
Double Crop	0.0	0.0	173.6	32.1	48.5	82.4	112.5
Total Land Acres	**293.2**	**63.4**	**429.8**	**275.2**	**2,040.1**	**1,977.0**	**3,099.0**

Crop	North Lahontan	South Lahontan	Colorado River	**Total**
Grain	5.3	2.9	80.2	**804.9**
Rice	0.4	0.0	0.0	**543.4**
Cotton	0.0	0.0	20.8	**1233.9**
Sugar Beets	0.2	0.0	31.6	**127.2**
Corn	0.1	0.1	12.3	**508.7**
Other Field	0.0	1.2	104.6	**566.1**
Alfalfa	42.0	32.9	252.7	**1049.3**
Pasture	104.0	17.6	46.1	**902.5**
Tomatoes	0.0	0.0	2.9	**383.7**
Other Truck	1.1	3.8	137.4	**1063.4**
Almond-Pistachio	0.0	0.0	0.0	**564.0**
Other Deciduous	0.0	2.6	0.8	**627.4**
Citrus-Olive	0.0	0.0	34.5	**450.1**
Grapes	0.0	0.0	18.7	**759.0**
Total Crop Acres	**153.1**	**61.1**	**742.6**	**9583.6**
Double Crop	0.0	0.0	106.7	**555.8**
Total Land Acres	**153.1**	**61.1**	**635.9**	**9027.8**

Table 9
1995 Crop Acreage by County (1,000 acres)

County	Grain	Rice	Cotton	Sugar Beets	Corn	Other Field	Alfalfa	Pasture	Tomato	Other Truck	Al-Pist	Other Decid	Citrus Olive	Vine	Total
Alameda	0.6	0.0	0.0	0.0	0.0	0.8	1.0	0.3	0.0	1.0	0.0	0.1	0.0	2.0	**5.8**
Alpine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	**6.3**
Amador	0.4	0.0	0.0	0.3	0.3	0.4	0.4	1.8	0.0	0.2	0.0	0.5	0.0	1.6	**5.9**
Butte	6.0	104.5	0.0	1.2	1.2	8.3	3.0	8.7	0.0	0.6	42.7	39.9	5.6	0.0	**221.7**
Calaveras	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.9	0.0	0.1	0.0	0.7	0.0	0.3	**2.1**
Colusa	21.6	129.1	3.4	3.3	4.6	27.0	7.5	4.1	31.5	15.7	20.1	9.2	0.1	1.2	**278.4**
Contra Costa	4.8	0.0	0.0	0.0	8.6	3.9	3.8	6.7	4.2	2.5	0.0	6.1	0.0	0.8	**41.4**
Del Norte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	0.7	0.0	0.0	0.0	0.0	**6.6**
El Dorado	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.2	0.0	2.4	0.0	0.9	**5.6**
Fresno	69.1	6.3	371.9	20.3	22.1	31.6	86.0	16.9	98.0	114.0	51.1	71.0	30.3	219.0	**1,207.6**
Glenn	27.2	85.0	0.8	3.1	12.9	12.6	16.5	25.9	0.0	2.7	17.9	15.4	5.2	1.3	**226.5**
Humboldt	0.2	0.0	0.0	0.0	0.1	0.1	0.4	20.6	0.0	1.3	0.0	0.1	0.0	0.0	**22.8**
Imperial	71.3	0.0	9.6	31.6	6.8	89.3	195.4	42.0	2.2	102.9	0.0	0.4	6.5	0.0	**558.0**
Inyo	0.0	0.0	0.0	0.0	0.0	0.0	3.7	7.1	0.0	0.0	0.0	0.0	0.0	0.0	**10.8**
Kern	58.1	0.0	300.4	7.6	6.8	19.7	88.7	4.9	5.7	83.2	107.6	23.6	44.3	88.7	**839.3**
Kings	64.2	0.0	269.8	2.0	50.4	64.7	40.6	4.0	7.2	8.4	9.1	19.1	1.1	4.8	**545.4**
Lake	0.6	1.1	0.0	0.0	0.0	0.0	0.3	5.6	0.0	0.1	0.0	7.9	0.0	3.7	**19.3**
Lassen	6.7	0.6	0.0	0.7	0.1	0.0	33.4	65.6	0.0	1.4	0.0	0.0	0.0	0.0	**108.5**
Los Angeles	1.8	0.0	0.0	0.0	0.3	0.3	4.2	0.6	0.0	6.5	0.0	1.7	2.1	0.0	**17.5**
Madera	19.3	0.4	44.1	0.9	13.6	5.1	34.4	10.9	0.9	4.5	66.4	20.8	6.3	86.5	**314.1**
Marin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.3	0.0	0.0	0.0	0.0	**1.1**
Mariposa	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.0	0.0	0.0	0.0	0.3	0.0	0.1	**2.2**
Mendocino	0.0	0.0	0.0	0.0	0.0	0.1	0.0	6.3	0.0	0.6	0.0	4.1	0.0	12.5	**23.6**
Merced	37.2	5.6	83.7	8.3	55.5	13.9	79.7	56.7	19.6	23.6	85.7	26.3	0.2	17.9	**513.9**
Modoc	21.9	0.9	0.0	4.7	0.0	0.0	41.7	90.9	0.0	7.0	0.0	0.0	0.0	0.0	**167.1**
Mono	0.0	0.0	0.0	0.0	0.0	0.0	9.8	39.7	0.0	0.7	0.0	0.0	0.0	0.0	**50.2**
Monterey	8.1	0.0	0.0	1.1	0.0	4.1	1.6	0.0	3.1	252.2	0.0	0.7	1.1	30.4	**302.4**
Napa	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.3	0.0	0.3	0.0	31.2	**32.8**
Nevada	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	0.2	0.0	0.3	0.0	0.2	**7.9**
Orange	0.1	0.0	0.0	0.0	1.2	0.9	0.0	0.4	1.0	8.2	0.0	0.0	3.3	0.0	**15.1**
Placer	1.5	17.4	0.0	0.0	0.6	0.4	0.0	21.5	0.0	0.3	0.0	3.1	0.0	0.1	**44.9**
Plumas	1.3	0.0	0.0	0.0	0.0	0.0	3.1	31.1	0.0	0.3	0.0	0.0	0.0	0.0	**35.8**
Riverside	19.1	0.0	10.6	0.0	6.2	16.4	60.0	11.9	0.8	43.7	0.0	1.0	56.9	20.7	**247.3**
Sacramento	12.5	9.8	0.0	7.0	36.9	17.9	5.5	43.1	10.7	2.8	0.2	7.5	0.0	8.0	**161.9**
San Benito	10.0	0.0	0.0	0.5	0.6	2.7	1.7	1.1	2.5	19.9	0.0	7.2	0.0	2.1	**48.3**
San Bernardino	2.7	0.0	0.6	0.0	0.7	2.5	19.6	5.2	0.0	3.5	0.0	1.1	6.1	3.9	**45.9**
San Diego	0.4	0.0	0.0	0.0	0.3	0.1	0.3	3.0	2.5	13.1	0.0	2.1	58.2	0.2	**80.2**
San Joaquin	44.0	5.2	0.0	15.2	83.8	72.2	59.8	34.8	32.6	50.1	42.0	55.4	0.0	65.6	**560.7**
San Luis Obispo	2.6	0.0	0.0	0.0	0.2	0.2	4.2	2.8	0.2	44.1	0.0	3.2	3.1	13.2	**73.8**
San Mateo	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	5.2	0.0	0.0	0.0	0.0	**5.7**
Santa Barbara	6.6	0.0	0.0	0.0	0.8	4.7	2.7	4.3	0.6	91.3	0.0	2.0	10.7	11.6	**135.3**
Santa Clara	4.8	0.0	0.0	0.3	2.2	1.5	0.4	1.2	2.2	7.8	0.0	4.7	0.0	1.0	**26.1**
Santa Cruz	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.8	0.0	17.5	0.0	3.8	0.0	0.2	**22.5**
Shasta	9.5	2.5	0.0	0.5	0.0	0.4	5.6	39.8	0.0	0.9	0.1	1.6	0.9	0.0	**61.8**
Sierra	0.4	0.0	0.0	0.0	0.0	0.0	0.7	11.8	0.0	0.0	0.0	0.0	0.0	0.0	**12.9**
Siskiyou	20.4	0.0	0.0	2.4	0.2	0.1	48.1	75.7	0.0	9.8	0.0	0.1	0.0	0.0	**156.8**
Solano	38.6	0.0	0.0	6.9	21.4	26.5	25.4	18.6	22.7	1.4	1.4	11.6	0.0	2.3	**176.8**
Sonoma	0.9	0.0	0.0	0.0	0.0	1.0	0.0	9.5	0.0	1.3	0.0	2.5	0.0	31.0	**46.2**
Stanislaus	36.6	3.1	0.0	0.1	51.5	31.2	42.6	64.0	20.0	33.3	78.7	46.7	0.6	15.1	**423.5**
Sutter	22.1	110.0	0.0	3.6	3.5	33.5	5.8	8.2	31.8	10.1	3.4	56.6	0.1	0.0	**288.7**
Tehama	9.1	2.6	0.0	0.0	2.3	2.9	5.2	30.5	0.0	0.6	7.5	25.9	18.3	0.0	**104.9**
Trinity	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	**1.3**
Tulare	98.0	0.0	139.0	1.9	89.2	17.9	78.9	10.0	1.0	10.5	20.0	94.0	130.3	75.6	**766.3**
Tuolumne	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.2	0.0	0.0	**1.6**
Ventura	0.1	0.0	0.0	0.0	0.5	0.3	0.4	2.1	2.1	48.6	0.0	0.2	58.8	0.0	**113.1**
Yolo	43.4	24.3	0.0	3.7	22.4	49.1	26.0	9.8	80.6	7.8	8.6	15.0	0.0	4.8	**295.5**
Yuba	0.9	35.0	0.0	0.0	0.9	0.5	1.0	14.2	0.0	0.4	1.5	31.0	0.0	0.5	**85.9**
Total	**804.9**	**543.4**	**1,233.9**	**127.2**	**508.7**	**566.1**	**1,049.3**	**902.5**	**383.7**	**1,063.4**	**564.0**	**627.4**	**450.1**	**759.0**	**9,583.6**

Table 10
1995 Irrigated Crop Acreage Compared with 1994
(1,000 acres)

Crop	Acreage (1,000 acres)		Change	
	1994	1995	1,000 acres	Percent
Grain	861.5	804.9	-56.6	-7%
Rice	554.4	543.4	-11.0	-2%
Cotton	1,212.0	1,233.9	21.9	2%
Sugar Beets	163.0	127.2	-35.8	-22%
Corn	453.5	508.7	55.2	12%
Other Field	513.8	566.1	52.3	10%
Alfalfa	1,086.7	1,049.3	-37.4	-3%
Pasture	897.0	902.5	5.5	1%
Tomatoes	366.3	383.7	17.4	5%
Other Truck	1,052.2	1,063.4	11.2	1%
Almond-Pistachio	533.0	564.0	31.0	6%
Other Deciduous	604.0	627.4	23.4	4%
Citrus-Olive	449.7	450.1	0.4	0%
Grapes	737.0	759.0	22.0	3%
Total Crop Acres	**9,484.1**	**9,583.6**	**99.5**	**1%**
Double Crop	464.6	555.8	91.2	20%
Total Irrigated Acres	**9,019.5**	**9,027.8**	**8.3**	**0%**

Water Use and Supplies

Water use in 1995 for urban, agricultural, environmental, and other sectors is tabulated in Tables 16 - 18. See Tables 21 - 24 for the net and applied water budget data.

Urban water production is water produced for all urban needs including residential, commercial, industrial, and landscape uses. It is primarily measured at the intake of the water supplier's system and is equivalent to the amount of water delivered to customers plus losses from the delivery system. Urban water production data were analyzed on a per capita basis. For a defined service area, applied water is divided by the population to compute per capita production. Figure 5 compares monthly per capita production for 1995 to the 1994 average by hydrologic region. Per capita production during 1995 was the same as the year before (see Table 12).

Environmental water use consists of: 1) instream fish flows, 2) Wild and Scenic rivers flows, 3) required Delta outflow (D1485 and WR 95-6), and 4) wetlands water use. Instream fish flows consist of the actual flows released by project operators to meet the requirements of existing water rights permits, court decisions, congressional directives, and laws or agreements between government agencies. Instream flow requirements generally vary by year type; since 1995 was above normal, actual instream flows are higher than 1994 levels (see Table 11). Wild and Scenic flows were estimated at 37,635,000 acre-feet (see Table 13). For 1995, the number of Wild and Scenic rivers shown in Table 13 has been expanded from prior annual reports to correspond to the rivers and streams reported in Bulletin 160-98. The 1995 Delta outflow as required under D1485 and WR 95-6 was estimated using DAYFLOW daily data, operational data for the Delta condition of balance or surplus, and the criteria for a wet year in the Delta (see Table 14). Dedicated natural flows for 1995 totaled 44,684,000 acre-feet. Wetlands use for 1995 is tabulated in Table 15.

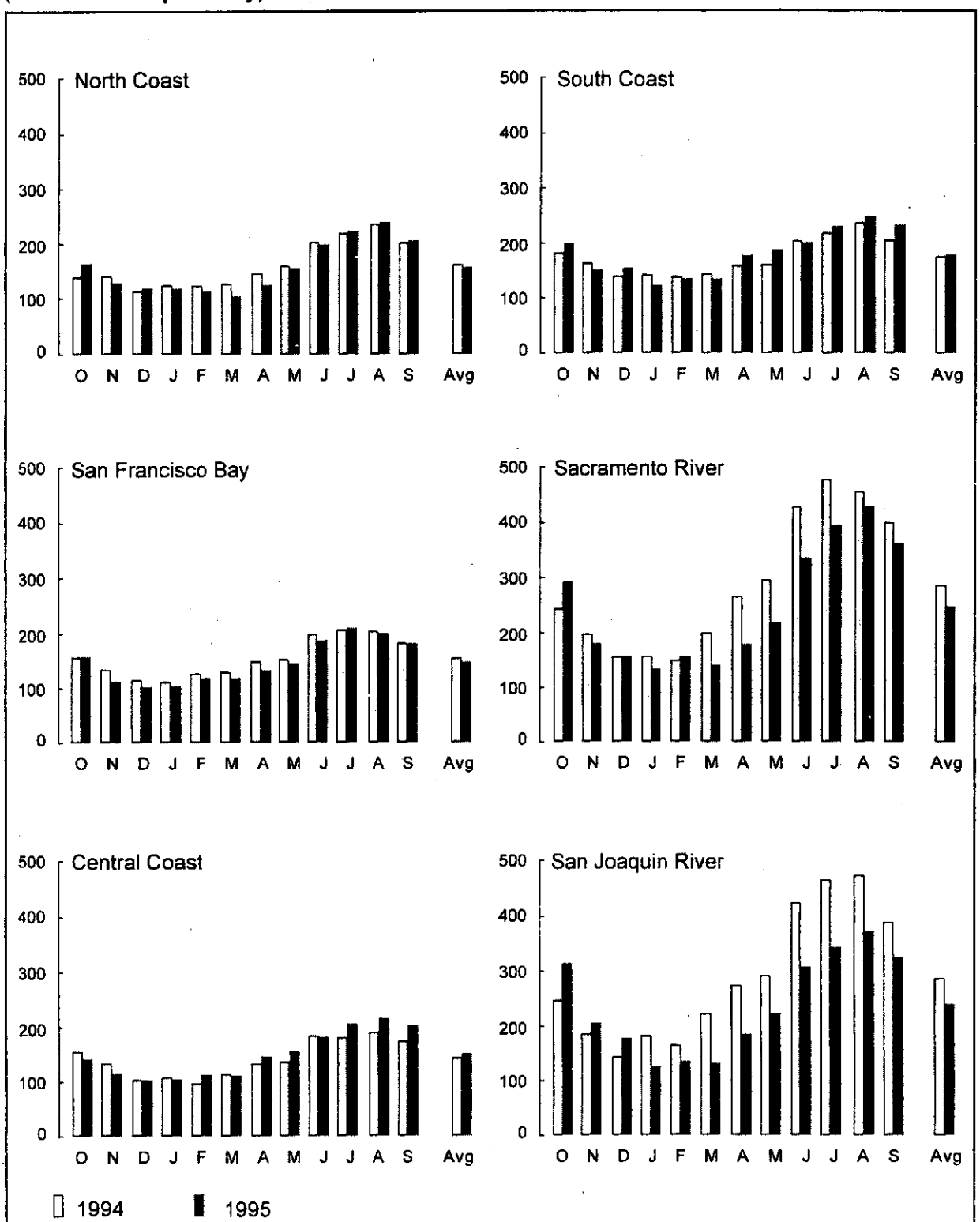
Table 11

1995 Instream Fish Flows

(1,000 acre-feet)

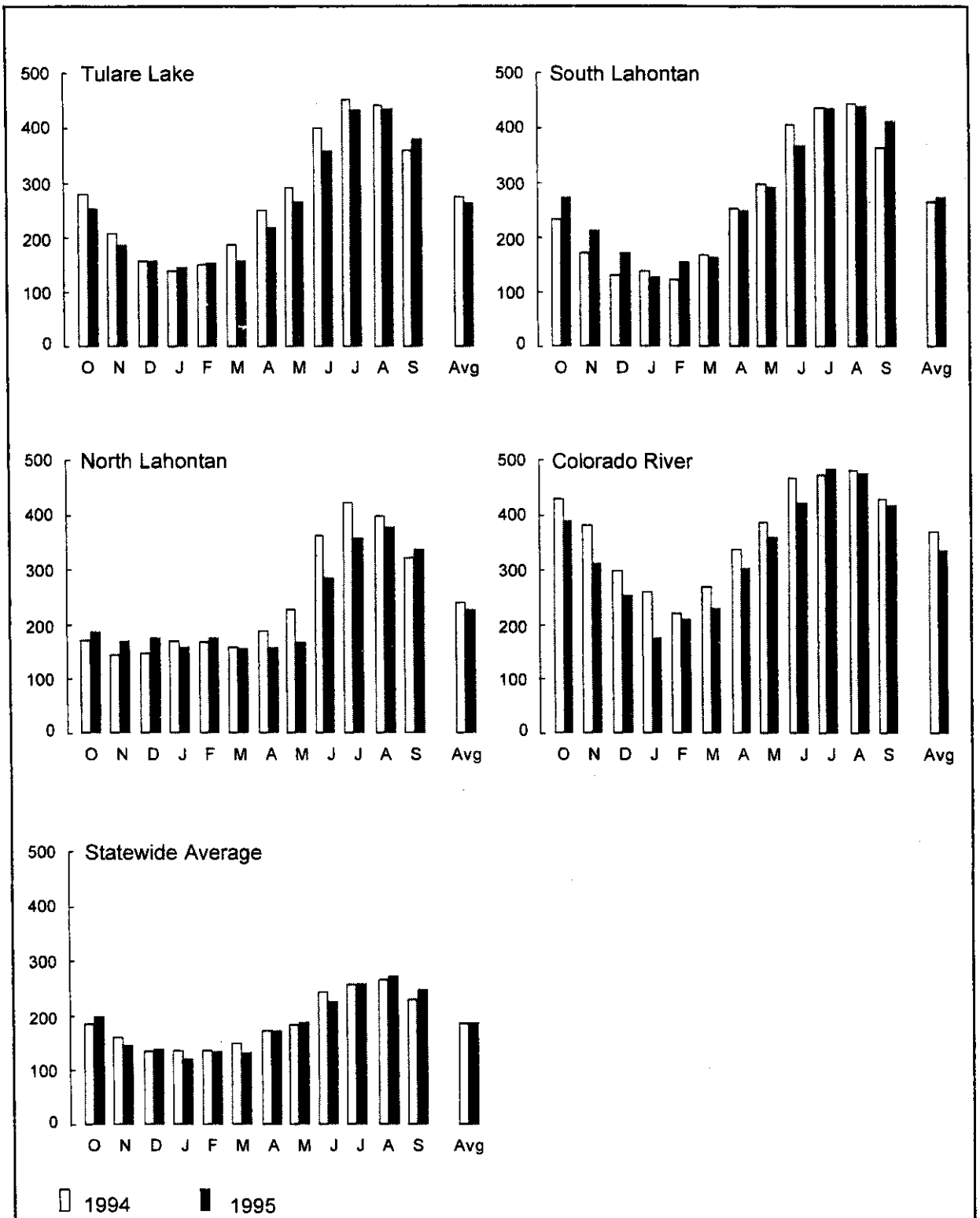
River	Applied Water	Net Water	Depletion	River	Applied Water	Net Water	Depletion
Klamath	777.1	777.1	777.1	Yuba	280.3	173.7	0.0
Trinity	340.1	340.1	340.1	Bear	14.1	14.1	0.0
Mad	47.2	47.2	47.2	American	1,501.2	1,501.2	0.0
Eel	57.9	50.1	0.0	Mokelumne	170.4	96.8	0.0
Russian	164.6	89.8	89.8	Stanislaus	246.5	246.5	0.0
Lagunitas	10.7	10.7	10.7	Tuolumne	87.8	87.8	0.0
Walker Creek	8.5	8.5	8.5	Merced	85.1	85.1	0.0
Carmel	3.8	0.0	0.0	Vernalis	61.6	61.6	0.0
Nacimiento	16.6	0.0	0.0	Truckee	55.4	55.4	55.4
Piru	3.6	0.0	0.0	Mono	160.5	160.5	160.5
Sacramento	2,064.6	2,064.6	0.0	East Walker	14.5	14.5	14.5
Clear Creek	57.8	57.8	0.0	Owens	31.1	0.0	0.0
Cache Creek	6.8	0.0	0.0				
Putah Creek	7.0	0.0	0.0				
Feather	795.1	795.1	0.0	**Total**	**7,069.9**	**6,738.2**	**1,503.8**

Figure 5
Per Capita Water Production by Hydrologic Region
Water Years 1994 and 1995
(Gallons Per Capita Daily)



Note: Data includes residential, commercial, industrial, and landscape use supplied by public water systems. Does not include self-produced water supplies.

Figure 5 (cont.)
Per Capita Water Production by Hydrologic Region
Water years 1994 and 1995
(Gallons Per Capita Daily)



Note: Data includes residential, commercial, industrial, and landscape use supplied by public water systems. Does not include self-produced water supplies.

Table 12
Per Capita Water Production by Region
(GPCD)

Hydrologic Region	1994	1995
North Coast	162	158
San Francisco Bay	154	146
Central Coast	142	148
South Coast	173	180
Sacramento River	282	245
San Joaquin River	286	234
Tulare Lake	275	261
North Lahontan	237	224
South Lahontan	260	272
Colorado River	366	334
Statewide Average	**186**	**186**

Table 13
1995 Wild and Scenic River Flows

	Average	1995 Flows	
River	(1,000 af)	% of avg	(1,000 af)
Smith	2,920	125	3,659
Klamath	9,070	135	12,217
Eel	5,810	173	10,034
Big Sur	83	191	158
Sisquoc	15	192	29
Sespe	69	335	231
MF Feather	1,129	200	2,260
NF American	584	200	1,168
Lower American	20	200	40
Tuolumne	1,192	208	2,484
Merced	782	224	1,750
Kings	896	202	1,810
NF Kern	628	175	1,098
SF Kern	90	175	157
EF Carson	71	203	144
W Walker	200	197	394
Total	**23,559**		**37,635**

Table 14
1995 Delta Outflow
(1,000 acre-feet)

Month	Total	D1485/ WR 95-1
OCT	200	200
NOV	319	319
DEC	592	397
JAN	6,609	2,352
FEB	4,045	3,459
MAR	12,337	3,466
APR	5,407	4,387
MAY	6,033	4,083
JUN	2,786	2,229
JUL	1,652	708
AUG	673	324
SEP	1,172	433
WY	**41,826**	**22,356**

NOTE: Total is Delta outflow from DAYFLOW. D1485/WR95-1 is the estimated portion of the total required under D1485 or WR95-1 standards.

Table 15
1995 Wetlands Water Use
(1,000 acre-feet)

Wetland	Applied Water	Net Water	Depletion
North Coast Hydrologic Region			
Lower Klamath NWR	90.1	90.1	51.4
Clear Lake NWR	63.7	63.7	63.7
Tule Lake NWR	140.5	140.5	47.6
Butte Valley WA	10.2	10.2	10.2
Shasta Valley WA	3.9	2.7	2.0
Arcata Marsh	2.0	2.0	2.0
Sacramento River Hydrologic Region			
Modoc NWR	19.5	17.2	15.2
Ash Creek	12.9	12.2	12.2
Sacramento NWR	43.0	43.0	18.0
Colusa NWR	19.0	19.0	9.0
Delevan NWR	24.0	24.0	12.0
Colusa Basin Private	146.5	112.2	58.4
Gray Lodge WA	44.0	38.0	21.0
Upper Butte Basin	56.0	49.0	27.0
Butte Basin Private	94.0	69.9	24.0
Butte Sink NWR	2.2	1.6	0.8
Sutter NWR	9.1	4.8	2.7
American Basin	30.7	18.4	8.6
Sutter Basin	15.8	7.6	4.0
Yolo Bypass	8.0	8.0	2.0
Sherman Island	9.3	9.3	1.9
Colusa Basin	3.1	0.8	0.8
Yolo Basin	24.0	21.7	6.2
Butte Basin	30.9	23.8	9.2
Stone Lakes	40.0	40.0	10.0
San Joaquin River Hydrologic Region			
Delta Basin	23.0	23.0	4.0
Cosumnes River	1.0	1.0	0.6
San Luis NWR	16.8	8.0	8.0
Volta WA	11.0	6.0	6.0
Los Banos WA	20.2	12.0	12.0
Kesterson NWR	10.1	5.0	5.0
Grassland RCD	167.3	100.0	100.0
North Grasslands WA	11.6	8.0	8.0
Merced NWR	11.4	7.0	7.0
San Francisco Bay Hydrologic Region			
Susuin Marsh	150.0	150.0	150.0
Hayward Marsh	10.0	10.0	10.0
Tulare Lake Hydrologic Region			
Kern NWR	22.4	13.0	13.0
Tulare Basin Private	5.4	4.0	4.0
Pixley NWR	3.4	2.5	2.5
Mendota WA	24.3	12.0	12.0
South Coast Hydrologic Region			
San Jacinto	1.5	0.6	0.6
Temescal Creek	1.8	0.9	0.9
Santee Lakes	1.0	1.0	1.0
Sepulveda Pond	6.0	6.0	6.0
Lake Balboa	12.5	12.5	12.5
Research Facility	1.9	1.0	1.0
Sepulveda Garden	5.0	5.0	5.0
North Lahontan Hydrologic Region			
Honey Lake WA	14.3	14.3	14.3
Honey Lake Prvt	1.2	1.2	1.2
Willow Creek WA	2.5	2.5	2.5
Colorado River Hydrologic Region			
Salton Sea NWR	5.0	5.0	5.0
Imperial WA	28.7	28.7	28.7
Private	5.4	5.4	5.4
Total	**1,517.1**	**1,275.3**	**846.1**

Table 16
1995 Water Use in California by Planning Subarea
(1,000 acre-feet)

Water Use Category	Analysis	North Coast Region: Upper Klamath	Lower Klamath	Coastal	Russian River	NC Total	SF Bay Region: North Bay	South Bay	SF Total
Urban	Applied Water	10	10	30	75	125	148	868	1,017
	Net Water Use	10	10	30	75	125	148	868	1,017
	Depletion	8	7	25	23	62	126	825	951
Agriculture	Applied Water	572	34	61	69	735	58	39	97
	Net Water Use	354	29	53	65	502	50	35	85
	Depletion	412	24	46	60	542	46	32	78
Envmntl	Applied Water	308	16,993	10,141	165	27,607	22,525	10	22,535
	Net Water Use	307	16,993	10,133	90	27,523	22,525	10	22,535
	Depletion	175	16,993	10,083	90	27,341	22,525	10	22,535
Other	Applied Water	60	3	1	0	63	3	13	15
	Net Water Use	33	0	0	0	33	3	13	15
	Depletion	11	0	0	0	11	0	1	1
Total	Applied Water	950	17,039	10,233	308	28,530	22,734	930	23,664
	Net Water Use	705	17,032	10,216	230	28,182	22,726	925	23,652
	Depletion	605	17,024	10,154	173	27,956	22,698	867	23,565

Table 16 (cont.)
1995 Water Use in California by Planning Subarea
(1,000 acre-feet)

Water Use Category	Analysis	Central Coast: N. Cent. Coast	S. Cent. Coast	CC Total	South Coast Region: Santa Clara	Metro LA	Santa Ana	San Diego	SC Total
Urban	Applied Water	146	107	253	196	1,511	1,042	545	3,294
	Net Water Use	127	85	212	167	1,451	830	537	2,985
	Depletion	115	68	182	164	1,355	707	520	2,745
Agriculture	Applied Water	817	395	1,212	252	15	230	249	746
	Net Water Use	608	319	926	220	13	188	238	658
	Depletion	604	319	923	220	13	188	238	658
Envmntl	Applied Water	162	45	208	235	24	5	1	264
	Net Water Use	158	0	158	0	24	3	1	27
	Depletion	158	0	158	0	24	3	1	27
Other	Applied Water	0	16	16	22	176	113	43	353
	Net Water Use	0	16	16	22	176	113	43	353
	Depletion	0	16	16	22	176	113	43	353
Total	Applied Water	1,125	563	1,688	704	1,725	1,390	838	4,657
	Net Water Use	893	419	1,312	408	1,663	1,133	819	4,024
	Depletion	877	402	1,279	405	1,567	1,010	801	3,783

Table 16 (cont.)
1995 Water Use in California by Planning Subarea
(1,000 acre-feet)

Water Use Category	Analysis	Sacramento River Region								
		Shasta Pit	NW Valley	NE Valley	Central Basin W	Central Basin E	South East	South West	Delta SA	SR Total
Urban	Applied Water	10	48	53	69	435	66	8	21	709
	Net Water Use	10	48	53	69	435	66	8	21	709
	Depletion	6	21	26	25	155	27	4	7	272
Agriculture	Applied Water	390	417	259	2,541	2,959	287	70	485	7,407
	Net Water Use	331	381	223	1,876	2,423	257	60	408	5,957
	Depletion	304	314	206	1,703	1,847	212	55	326	4,967
Envmntl	Applied Water	2,097	58	0	267	2,118	4,223	7	57	8,827
	Net Water Use	2,094	58	0	221	1,942	4,223	0	57	8,595
	Depletion	27	0	0	104	97	0	0	14	243
Other	Applied Water	30	57	31	202	164	52	7	0	543
	Net Water Use	0	40	14	133	65	34	0	0	285
	Depletion	0	7	2	25	19	2	0	0	55
Total	Applied Water	2,527	580	343	3,079	5,676	4,629	91	562	17,487
	Net Water Use	2,434	526	290	2,298	4,865	4,580	68	486	15,546
	Depletion	338	342	235	1,857	2,119	242	59	347	5,537

Table 16 (cont.)
1995 Water Use in California by Planning Subarea
(1,000 acre-feet)

Water Use Category	Analysis	San Joaquin River Region							
		Sierra Foothill	Eastern Vly Flr	Delta Srv Area	Western Uplands	E Side Uplands	Valley E Side	Valley W Side	SJ Total
Urban	Applied Water	42	93	40	39	16	303	22	555
	Net Water Use	42	93	40	39	9	166	12	401
	Depletion	13	28	12	12	9	148	12	233
Agriculture	Applied Water	22	941	693	38	6	3,272	1,390	6,362
	Net Water Use	18	853	604	32	4	3,025	1,324	5,859
	Depletion	15	632	486	27	4	2,373	1,068	4,605
Envmntl	Applied Water	2,572	480	23	0	1,750	97	237	5,158
	Net Water Use	2,572	406	23	0	1,750	92	139	4,982
	Depletion	0	1	4	0	0	7	139	151
Other	Applied Water	19	4	14	11	1	577	335	962
	Net Water Use	19	1	2	11	0	17	151	201
	Depletion	1	1	2	2	0	17	151	174
Total	Applied Water	2,656	1,517	770	88	1,773	4,249	1,984	13,037
	Net Water Use	2,652	1,352	669	82	1,763	3,300	1,626	11,444
	Depletion	29	661	504	40	13	2,545	1,371	5,163

Table 16 (cont.)
1995 Water Use in California by Planning Subarea
(1,000 acre-feet)

Water Use Category	Analysis	Tulare Lake Region: Uplands	KKT	San Luis West Side	Western Uplands	Kern Vly Floor	TL Total
Urban	Applied Water	19	356	21	2	283	681
	Net Water Use	11	150	14	1	162	338
	Depletion	11	150	14	1	162	338
Agriculture	Applied Water	23	5,296	1,525	0	2,521	9,365
	Net Water Use	16	4,075	1,434	0	2,125	7,649
	Depletion	16	4,075	1,434	0	2,125	7,649
Envmntl	Applied Water	3,066	28	0	0	28	3,121
	Net Water Use	3,066	15	0	0	17	3,097
	Depletion	0	15	0	0	17	32
Other	Applied Water	2	1,024	25	0	1,318	2,370
	Net Water Use	0	40	25	0	64	130
	Depletion	0	40	25	0	64	130
Total	Applied Water	3,109	6,704	1,572	2	4,150	15,537
	Net Water Use	3,093	4,279	1,473	1	2,369	11,214
	Depletion	27	4,279	1,473	1	2,369	8,149

Table 16 (cont.)
1995 Water Use in California by Planning Subarea
(1,000 acre-feet)

Water Use Category	Analysis	North Lahontan Region: Lassen Group	Alpine Group	NL Total	South Lahontan Region: Mono Owens	Death Valley	Indian Wells	Antelope Valley	Mojave River	SL Total
Urban	Applied Water	16	18	34	12	1	14	99	94	220
	Net Water Use	10	18	28	7	1	8	67	59	141
	Depletion	10	4	13	7	1	8	67	59	141
Agriculture	Applied Water	327	179	506	147	11	13	61	92	324
	Net Water Use	294	172	466	132	10	12	57	81	292
	Depletion	286	101	387	132	10	12	57	81	292
Envmntl	Applied Water	18	609	627	192	0	0	0	0	192
	Net Water Use	18	609	627	161	0	0	0	0	161
	Depletion	18	609	627	161	0	0	0	0	161
Other	Applied Water	21	0	21	0	3	1	6	5	15
	Net Water Use	0	0	0	0	3	1	6	5	15
	Depletion	0	0	0	0	3	1	6	5	15
Total	Applied Water	382	805	1,187	351	15	28	166	191	750
	Net Water Use	322	798	1,120	300	14	21	130	144	608
	Depletion	314	713	1,027	300	14	21	130	144	608

Table 16 (cont.)
1995 Water Use in California by Planning Subarea
(1,000 acre-feet)

Water Use Category	Analysis	Colorado River Region: 29 Palms Lanfair	Chuck Walla	Colorado River	Coach	Borrego	Imperial Valley	CR Total
Urban	Applied Water	13	0	7	324	2	34	380
	Net Water Use	7	0	4	212	1	34	259
	Depletion	7	0	4	212	1	34	259
Agriculture	Applied Water	17	18	846	343	42	2,564	3,830
	Net Water Use	15	17	673	277	37	2,564	3,583
	Depletion	15	17	673	277	37	2,564	3,583
Envmntl	Applied Water	0	0	0	0	0	39	39
	Net Water Use	0	0	0	0	0	39	39
	Depletion	0	0	0	0	0	39	39
Other	Applied Water	1	0	3	42	0	397	442
	Net Water Use	1	0	3	42	0	397	442
	Depletion	1	0	3	42	0	397	442
Total	Applied Water	31	19	855	708	44	3,034	4,691
	Net Water Use	23	17	680	531	39	3,034	4,323
	Depletion	23	17	680	531	39	3,034	4,323

Table 17
1995 Water Use in California by Hydrologic Region
(1,000 acre-feet)

Water Use Category	Analysis	North Coast	SF Bay	Central Coast	South Coast	Sac River	SJR	Tulare Lake	North Lahontan	South Lahontan	Colorado River	California Total
Urban	Applied Water	125	1,017	253	3,294	709	555	681	34	220	380	7,265
	Net Water Use	125	1,017	212	2,985	709	401	338	28	141	259	6,214
	Depletion	62	951	182	2,745	272	233	338	13	141	259	5,197
Agriculture	Applied Water	735	97	1,212	746	7,407	6,362	9,365	506	324	3,829	30,583
	Net Water Use	502	85	926	658	5,957	5,859	7,649	466	292	3,582	25,976
	Depletion	542	78	923	658	4,967	4,605	7,649	387	292	3,582	23,684
Envmntl	Applied Water	27,607	22,535	208	264	8,827	5,158	3,121	627	192	39	68,578
	Net Water Use	27,523	22,535	158	27	8,595	4,982	3,097	627	161	39	67,745
	Depletion	27,341	22,535	158	27	243	151	32	627	161	39	51,313
Other	Applied Water	63	15	16	353	543	962	2,370	21	15	442	4,800
	Net Water Use	33	15	16	353	285	201	130	0	15	442	1,489
	Depletion	11	1	16	353	55	174	130	0	15	442	1,196
Total	Applied Water	28,530	23,664	1,688	4,657	17,487	13,037	15,537	1,187	750	4,690	111,226
	Net Water Use	28,182	23,652	1,312	4,024	15,546	11,444	11,214	1,120	608	4,322	101,424
	Depletion	27,956	23,565	1,279	3,783	5,537	5,163	8,149	1,027	608	4,322	81,389

Table 18
1995 Environmental Water Use in California by Hydrologic Region
(1,000 acre-feet)

Water Use Category	Analysis	North NC	SF	Central CC	South SC	Sac SR	SJ	Tulare TL	North NL	South SL	Colorado CR	CA Total
Instream	Applied Water	1,387	19	20	4	4,727	651	0	70	192	0	**7,070**
	Net Water Use	1,304	19	0	0	4,607	578	0	70	161	0	**6,738**
	Depletion	1,254	19	0	0	0	0	0	70	161	0	**1,504**
Refuges	Applied Water	310	160	0	30	632	272	56	18	0	39	**1,517**
	Net Water Use	309	160	0	27	521	170	32	18	0	39	**1,275**
	Depletion	177	160	0	27	243	151	32	18	0	39	**846**
W&S	Applied Water	25,910	0	187	231	3,468	4,234	3,066	539	0	0	**37,635**
	Net Water Use	25,910	0	158	0	3,468	4,234	3,066	539	0	0	**37,375**
	Depletion	25,910	0	158	0	0	0	0	539	0	0	**26,607**
D1485/ WR95-1	Applied Water	0	22,356	0	0	0	0	0	0	0	0	**22,356**
	Net Water Use	0	22,356	0	0	0	0	0	0	0	0	**22,356**
	Depletion	0	22,356	0	0	0	0	0	0	0	0	**22,356**
Total	Applied Water	27,607	22,535	208	264	8,827	5,158	3,121	627	192	39	**68,578**
	Net Water Use	27,523	22,535	158	27	8,595	4,982	3,097	627	161	39	**67,745**
	Depletion	27,341	22,535	158	27	243	151	32	627	161	39	**51,313**

Table 19
1995 Water Year State Water Project Delivery Summary
(1,000 acre-feet)

Hydrologic Region	Contracting Agency	SWP	Non-SWP	Total
SF Bay	Napa Co FC&WCD	4,975	0	4,975
	Solano Co WA	6,283	0	6,283
	Alameda Co FC&WCD	24,784	2,863	27,647
	Alameda Co WD	15,428	0	15,428
	Santa Clara Valley WD	35,490	54	35,544
	Total in Region	**86,960**	**2,917**	**89,877**
CC	San Luis Obispo Co FC&WCD	0	0	0
	Santa Barbara Co FC&WCD	0	0	0
	Total in Region	**0**	**0**	**0**
SC	San Bernardino Valley MWD	1,272	0	1,272
	San Gabriel Valley MWD	9,282	0	9,282
	San Gorgonio Pass WA	0	0	0
	Ventura Co FCD	0	0	0
	Castaic Lake WA	18,791	0	18,791
	Metropolitan WD	543,798	0	543,798
	Total in Region	**573,143**	**0**	**573,143**
Sac R.	City of Yuba City	910	0	910
	County of Butte	124	0	124
	Plumas Co FC&WCD	329	0	329
	Total in Region	**1,363**	**0**	**1,363**
SJR	Oak Flat WD	4,563	262	4,825
Tulare L.	Empire West Side ID	676	0	676
	Tulare Lake Basin WSD	63,625	398	64,023
	Dudley Ridge WD	42,526	450	42,976
	Kern Co WA	827,662	5,185	832,847
	Castaic Lake WA (Devils Den)	8,980	0	8,980
	County of Kings	3,000	0	3,000
	Westlands (non-contractor)	52,841	0	52,841
	Total in Region	**999,310**	**6,033**	**1,005,343**
S. Lahon.	Littlerock Creek ID	482	0	482
	Crestline Lake Arrowhead WA	416	0	416
	Antelope Valley East Kern WA	49,774	0	49,774
	Mojave WA	14,769	0	14,769
	Palmdale WD	8,667	0	8,667
	Total in Region	**74,108**	**0**	**74,108**
Colrdo R.	Coachella Valley WD	20,499	0	20,499
	Desert WA	34,673	0	34,673
	Total in Region	**55,172**	**0**	**55,172**
	Recreation/F&W Water	2,783	3,319	6,102
	Statewide Total	**1,797,402**	**12,531**	**1,809,933**

Source: Table 10-4, Bulletins 132-95 and Bulletin 132-96.

Table 20
1995 Water Year U.S. Bureau of Reclamation Delivery Summary
(1,000 acre-feet)

Delivery	AG	Urban	Waterfowl	Total
Black Butte Unit	1,060	160	0	1,220
Cachuma Dam	17,568	12,107	0	29,675
Clear Creek South	3,211	2,359	0	5,570
Clear Lake	248	0	0	248
Colusa Basin Drain	31,826	0	0	31,826
Contra Costa Canal	332	93,440	0	93,772
Corning Canal	17,341	0	0	17,341
Cow Creek Unit	7,483	4,299	0	11,782
Cross Valley Canal	398	0	0	398
Delta	0	202	0	202
Delta Mendota Canal	184,046	7,751	0	191,797
Exchange Contractors	730,767	0	0	730,767
Folsom Lake	2,074	80,487	0	82,561
Folsom South Canal	687	30,161	0	30,848
Friant-Kern Canal	1,269,968	17,092	0	1,287,060
Lake Berryessa	0	281	0	281
Lower American	0	44,372	0	44,372
Madera Canal	387,580	0	0	387,580
Mendota Pool	52,496	0	0	52,496
Millerton Lake	12,250	156	0	12,406
New Melones Unit	6,214	0	0	6,214
Putah South Canal	130,886	48,276	0	179,162
Sacramento River	1,307,005	64,720	53,336	1,425,061
San Felipe Division	40,267	75,311	0	115,578
San Luis Canal	930,188	12,977	89	943,254
Shasta Lake	0	1,856	0	1,856
Sly Park Unit	6,963	9,360	0	16,323
Spring Creek Conduit	0	2,935	0	2,935
Tehama-Colusa Canal	182,566	0	0	182,566
Toyon Pipeline		2,262	0	2,262
Tulelake-P-Canal	9,075	0	0	9,075
Upper American River	359	2,218	0	2,577
Waterfowl Conservation	0	0	992	992
Waterfowl District	0	0	0	0
Total	**5,332,858**	**512,782**	**54,417**	**5,900,057**

Source: USBR Repayments Section, 2800 Cottage Way, Sacramento, "Water Deliveries and Revenues, Oct 1, 1994 Thru Sep 30, 1995"

Table 21
Applied Water Budgets by Planning Subarea
(1,000 acre-feet)

		North Coast Region					SF Bay Region		
		Upper Klamath	Lower Klamath	Coastal	Russian River	NC Total	North Bay	South Bay	SF Bay Total
Use	Urban	10	10	30	75	125	148	868	1,017
	Agriculture	572	34	61	69	735	58	39	97
	Environmental	308	16,993	10,141	165	27,607	22,525	10	22,535
	Other	60	3	1	0	63	3	13	15
	Total	950	17,039	10,233	308	28,530	22,734	930	23,664
Supply	Local	187	27	44	102	360	220	182	402
	Imports by Local	0	0	0	0	0	28	445	473
	Groundwater	111	12	40	28	190	20	39	59
	Reuse Groundwater	40	2	7	1	49	1	1	2
	Reuse Surface Water	206	5	1	3	216	7	4	11
	Reclaimed	0	0	2	10	12	1	34	35
	Colorado River	0	0	0	0	0	0	0	0
	CVP	0	0	0	0	0	0	131	131
	Other Federal	407	0	0	0	407	52	0	52
	SWP	0	0	0	0	0	30	95	124
	Dedicated Natural Flow	0	16,993	10,139	165	27,297	22,375	0	22,375
	Total	950	17,039	10,233	308	28,530	22,734	930	23,664

Table 21 (cont.)
Applied Water Budgets by Planning Subarea
(1,000 acre-feet)

		Central Coast Region			South Coast Region				
		N. Cent Coast	S. Cent Coast	CC TOTAL	Santa Clara	Metro LA	Santa Ana	San Diego	SC TOTAL
Use	Urban	146	107	253	196	1,511	1,042	545	3,294
	Agriculture	817	395	1,212	252	15	230	249	746
	Environmental	162	45	208	235	24	5	1	264
	Other	0	16	16	22	176	113	43	353
	Total	1,125	563	1,688	704	1,725	1,390	838	4,657
Supply	Local	60	16	76	100	18	66	263	447
	Imports by Local	0	0	0	0	388	0	0	388
	Groundwater	645	291	937	130	588	573	72	1,362
	Reuse Groundwater	222	77	299	32	2	43	11	88
	Reuse Surface Water	6	22	28	29	60	214	8	311
	Reclaimed	1	17	18	3	97	92	18	209
	Colorado River	0	0	0	0	376	264	328	967
	CVP	28	0	28	0	0	0	0	0
	Other Federal	0	94	94	0	0	0	0	0
	SWP	0	0	0	175	198	138	139	650
	Dedicated Natural Flow	162	45	208	235	0	0	0	235
	Total	1,125	563	1,688	704	1,725	1,390	838	4,657

Table 21 (cont.)
Applied Water Budgets by Planning Subarea
(1,000 acre-feet)

		Sacramento River Region								
		Shasta Pit	NW Valley	NE Valley	Central Basin W	Central Basin E	South East	South West	Delta SA	SR Total
Use	Urban	10	48	53	69	435	66	8	21	709
	Agriculture	390	417	259	2,541	2,959	287	70	485	7,407
	Environmental	2,097	58	0	267	2,118	4,223	7	57	8,827
	Other	30	57	31	202	164	52	7	0	543
	Total	2,527	580	343	3,079	5,676	4,629	91	562	17,487
Supply	Local	307	22	86	267	1,492	306	25	433	2,938
	Imports by Local	0	0	0	0	0	5	0	0	5
	Groundwater	62	229	155	659	1,005	31	43	37	2,221
	Reuse Groundwater	24	42	29	114	118	7	10	2	346
	Reuse Surface Water	69	12	25	660	586	42	6	75	1,474
	Reclaimed	0	0	0	0	0	0	0	0	0
	Colorado River	0	0	0	0	0	0	0	0	0
	CVP	0	139	48	1,228	516	14	0	16	1,961
	Other Federal	0	79	0	139	113	0	0	0	331
	SWP	0	0	0	6	10	1	0	0	16
	Dedicated Natural Flow	2,065	58	0	7	1,836	4,223	7	0	8,195
	Total	2,527	580	343	3,079	5,676	4,629	91	562	17,487

Table 21 (cont.)
Applied Water Budgets by Planning Subarea
(1,000 acre-feet)

		San Joaquin River Region							
		Sierra Foothill	Eastern Vly Flr	Delta Srv Area	Western Uplands	E Side Uplands	Valley E Side	Valley W Side	SJR TOTAL
Use	Urban	42	93	40	39	16	303	22	555
	Agriculture	22	941	693	38	6	3,272	1,390	6,362
	Environmental	2,572	480	23	0	1,750	97	237	5,158
	Other	19	4	14	11	1	577	335	962
	Total	2,656	1,517	770	88	1,773	4,249	1,984	13,037
Supply	Local	59	111	596	26	12	2,100	106	3,009
	Imports by Local	0	0	0	0	0	0	0	0
	Groundwater	13	728	30	2	1	620	105	1,499
	Reuse Groundwater	0	50	1	0	10	788	345	1,194
	Reuse Surface Water	4	42	100	6	0	162	13	325
	Reclaimed	1	1	0	0	0	0	0	2
	Colorado River	0	0	0	0	0	0	0	0
	CVP	5	22	30	54	0	467	1,411	1,990
	Other Federal	2	85	13	0	0	28	0	127
	SWP	0	0	0	0	0	0	5	5
	Dedicated Natural Flow	2,572	479	0	0	1,750	85	0	4,886
	Total	2,656	1,517	770	88	1,773	4,249	1,984	13,037

Table 21 (cont.)
Applied Water Budgets by Planning Subarea
(1,000 acre-feet)

		Tulare Lake Region					
		Uplands	KKT	San Luis W. Side	Western Uplands	Kern Vly Floor	Tulare L. Total
Use	Urban	19	356	21	2	283	681
	Agriculture	23	5,296	1,525	0	2,521	9,365
	Environmental	3,066	28	0	0	28	3,121
	Other	2	1,024	25	0	1,318	2,370
	Total	3,109	6,704	1,572	2	4,150	15,537
Supply	Local	16	2,662	0	0	1,002	3,680
	Imports by Local	0	0	0	0	0	0
	Groundwater	6	669	536	1	-155	1,057
	Reuse Groundwater	16	2,405	0	1	1,753	4,175
	Reuse Surface Water	0	19	99	0	29	147
	Reclaimed	0	0	0	0	0	0
	Colorado River	0	0	0	0	0	0
	CVP	0	877	827	0	602	2,306
	Other Federal	0	0	0	0	0	0
	SWP	5	71	110	0	920	1,105
	Dedicated Natural Flow	3,066	0	0	0	0	3,066
	Total	3,109	6,704	1,572	2	4,150	15,537

Table 21 (cont.)
Applied Water Budgets by Planning Subarea
(1,000 acre-feet)

		North Lahontan Region			South Lahontan Region					
		Lassen Group	Alpine Group	NL Total	Mono Owens	Death Valley	Indian Wells	Antelope Valley	Mojave River	SL Total
Use	Urban	16	18	34	12	1	14	99	94	220
	Agriculture	327	179	506	147	11	13	61	92	324
	Environmental	18	609	627	192	0	0	0	0	192
	Other	21	0	21	0	3	1	6	5	15
	Total	382	805	1,187	351	15	28	166	191	750
Supply	Local	217	171	387	52	0	0	15	0	66
	Imports by Local	0	0	0	0	0	0	0	0	0
	Groundwater	102	14	116	87	14	20	34	123	276
	Reuse Groundwater	20	7	27	14	1	1	4	12	33
	Reuse Surface Water	40	0	40	5	0	6	32	34	78
	Reclaimed	3	5	8	1	0	1	20	6	27
	Colorado River	0	0	0	0	0	0	0	0	0
	CVP	0	0	0	0	0	0	0	0	0
	Other Federal	0	0	0	0	0	0	0	0	0
	SWP	0	0	0	0	0	0	62	16	78
	Dedicated Natural Flow	0	609	609	192	0	0	0	0	192
	Total	382	805	1,187	351	15	28	166	191	750

Table 21 (cont.)
Applied Water Budgets by Planning Subarea
(1,000 acre-feet)

		Colorado River Region						
		29 Palms Lanfair	Chuck Walla	Colorado River	Coach	Borrego	Imperial Valley	Colorado Total
Use	Urban	13	0	7	324	2	34	380
	Agriculture	17	18	846	343	42	2,564	3,829
	Environmental	0	0	0	0	0	39	39
	Other	1	0	3	42	0	397	442
	Total	31	19	855	708	44	3,034	4,690
Supply	Local	0	0	0	6	0	0	6
	Imports by Local	0	0	0	0	0	0	0
	Groundwater	21	17	28	130	7	0	203
	Reuse Groundwater	2	2	173	66	4	0	247
	Reuse Surface Water	6	0	3	112	1	0	121
	Reclaimed	2	0	0	13	0	0	15
	Colorado River	0	0	652	326	32	3,034	4,043
	CVP	0	0	0	0	0	0	0
	Other Federal	0	0	0	0	0	0	0
	SWP	0	0	0	55	0	0	55
	Dedicated Natural Flow	0	0	0	0	0	0	0
	Total	31	19	855	708	44	3,034	4,690

Table 22
Applied Water Budgets by Hydrologic Region
(1,000 acre-feet)

		North Coast	SF Bay	Central Coast	South Coast	Sac River	SJR	Tulare Lake	North Lahontan	South Lahontan	Colorado River	California Total
Use	Urban	125	1,017	253	3,294	709	555	681	34	220	380	7,265
	Agriculture	735	97	1,212	746	7,407	6,362	9,365	506	324	3,829	30,583
	Environmental	27,607	22,535	208	264	8,827	5,158	3,121	627	192	39	68,578
	Other	63	15	16	353	543	962	2,370	21	15	442	4,800
	Total	28,530	23,664	1,688	4,657	17,487	13,037	15,537	1,187	750	4,690	111,226
Supply	Local	360	402	76	447	2,938	3,009	3,680	387	66	6	11,371
	Imports by Local	0	473	0	388	5	0	0	0	0	0	866
	Groundwater	190	59	937	1,362	2,221	1,499	1,057	116	276	203	7,920
	Reuse Groundwater	49	2	299	88	346	1,194	4,175	27	33	247	6,460
	Reuse Surface Water	216	11	28	311	1,474	325	147	40	78	121	2,750
	Reclaimed	12	35	18	209	0	2	0	8	27	15	327
	Colorado River	0	0	0	967	0	0	0	0	0	4,043	5,011
	CVP	0	131	28	0	1,961	1,990	2,306	0	0	0	6,415
	Other Federal	407	52	94	0	331	127	0	0	0	0	1,011
	SWP	0	124	0	650	16	5	1,105	0	78	55	2,034
	Dedicated Natural Flow	27,297	22,375	208	235	8,195	4,886	3,066	609	192	0	67,061
	Total	28,530	23,664	1,688	4,657	17,487	13,037	15,537	1,187	750	4,690	111,226

Table 23
Net Water Budgets by Planning Subarea
(1,000 acre-feet)

		North Coast Region					SF Bay Region		
		Upper Klamath	Lower Klamath	Coastal	Russian River	NC Total	North Bay	South Bay	SF Bay Total
Use	Urban	10	10	30	75	125	148	868	1,017
	Agriculture	354	29	53	65	502	50	35	85
	Environmental	307	16,993	10,133	90	27,523	22,525	10	22,535
	Other	33	0	0	0	33	3	13	15
	Total	705	17,032	10,216	230	28,182	22;726	925	23,652
Supply	Local	187	27	44	102	360	220	182	402
	Imports by Local	0	0	0	0	0	28	445	473
	Groundwater	111	12	40	28	190	20	39	59
	Reclaimed	0	0	2	10	12	1	34	35
	Colorado River	0	0	0	0	0	0	0	0
	CVP	0	0	0	0	0	0	131	131
	Other Federal	407	0	0	0	407	52	0	52
	SWP	0	0	0	0	0	30	95	124
	Dedicated Natural Flow	0	16,993	10,131	90	27,214	22,375	0	22,375
	Total	705	17,032	10,216	230	28,182	22,726	925	23,652

Table 23 (cont.)
Net Water Budgets by Planning Subarea
(1,000 acre-feet)

		Central Coast Region			South Coast Region				
		N. Cent Coast	S. Cent Coast	CC Total	Santa Clara	Metro LA	Santa Ana	San Diego	SC Total
Use	Urban	127	85	212	167	1,451	830	537	2,985
	Agriculture	608	319	926	220	13	188	238	658
	Environmental	158	0	158	0	24	3	1	27
	Other	0	16	16	22	176	113	43	353
	Total	893	419	1,312	408	1,663	1,133	819	4,024
Supply	Local	60	16	76	100	18	66	263	447
	Imports by Local	0	0	0	0	388	0	0	388
	Groundwater	645	291	937	130	588	573	72	1,362
	Reclaimed	1	17	18	3	97	92	18	209
	Colorado River	0	0	0	0	376	264	328	967
	CVP	28	0	28	0	0	0	0	0
	Other Federal	0	94	94	0	0	0	0	0
	SWP	0	0	0	175	198	138	139	650
	Dedicated Natural Flow	158	0	158	0	0	0	0	0
	Total	893	419	1,312	408	1,663	1,133	819	4,024

Table 23 (cont.)
Net Water Budgets by Planning Subarea
(1,000 acre-feet)

		Sacramento River Region								
		Shasta Pit	NW Valley	NE Valley	Central Basin W	Central Basin E	South East	South West	Delta SA	SR Total
Use	Urban	10	48	53	69	435	66	8	21	709
	Agriculture	331	381	223	1,876	2,423	257	60	408	5,957
	Environmental	2,094	58	0	221	1,942	4,223	0	57	8,595
	Other	0	40	14	133	65	34	0	0	285
	Total	2,434	526	290	2,298	4,865	4,580	68	486	15,546
Supply	Local	307	22	86	267	1,492	306	25	433	2,938
	Imports by Local	0	0	0	0	0	5	0	0	5
	Groundwater	62	229	155	659	1,005	31	43	37	2,221
	Reclaimed	0	0	0	0	0	0	0	0	0
	Colorado River	0	0	0	0	0	0	0	0	0
	CVP	0	139	48	1,228	516	14	0	16	1,961
	Other Federal	0	79	0	139	113	0	0	0	331
	SWP	0	0	0	6	10	1	0	0	16
	Dedicated Natural Flow	2,065	58	0	0	1,729	4,223	0	0	8,075
	Total	2,434	526	290	2,298	4,865	4,580	68	486	15,546

Table 23 (cont.)
Net Water Budgets by Planning Subarea
(1,000 acre-feet)

		San Joaquin River Region							
		Sierra Foothill	Eastern Vly Flr	Delta Srv Area	Western Uplands	E Side Uplands	Valley E Side	Valley W Side	SJR Total
Use	Urban	42	93	40	39	9	166	12	401
	Agriculture	18	853	604	32	4	3,025	1,324	5,859
	Environmental	2,572	406	23	0	1,750	92	139	4,982
	Other	19	1	2	11	0	17	151	201
	Total	2,652	1,352	669	82	1,763	3,300	1,626	11,444
Supply	Local	59	111	596	26	12	2,100	106	3,009
	Imports by Local	0	0	0	0	0	0	0	0
	Groundwater	13	728	30	2	1	620	105	1,499
	Reclaimed	1	1	0	0	0	0	0	2
	Colorado River	0	0	0	0	0	0	0	0
	CVP	5	22	30	54	0	467	1,411	1,990
	Other Federal	2	85	13	0	0	28	0	127
	SWP	0	0	0	0	0	0	5	5
	Dedicated Natural Flow	2,572	405	0	0	1,750	85	0	4,812
	Total	2,652	1,352	669	82	1,763	3,300	1,626	11,444

Table 23 (cont.)
Net Water Budgets by Planning Subarea
(1,000 acre-feet)

		Tulare Lake Region					
		Uplands	KKT	San Luis W. Side	Western Uplands	Kern Vly Floor	Tulare L. Total
Use	Urban	11	150	14	1	162	338
	Agriculture	16	4,075	1,434	0	2,125	7,649
	Environmental	3,066	15	0	0	17	3,097
	Other	0	40	25	0	64	130
	Total	3,093	4,279	1,473	1	2,369	11,214
Supply	Local	16	2,662	0	0	1,002	3,680
	Imports by Local	0	0	0	0	0	0
	Groundwater	6	669	536	1	-155	1,057
	Reclaimed	0	0	0	0	0	0
	Colorado River	0	0	0	0	0	0
	CVP	0	877	827	0	602	2,306
	Other Federal	0	0	0	0	0	0
	SWP	5	71	110	0	920	1,105
	Dedicated Natural Flow	3,066	0	0	0	0	3,066
	Total	3,093	4,279	1,473	1	2,369	11,214

Table 23 (cont.)
Net Water Budgets by Planning Subarea
(1,000 acre-feet)

		North Lahontan Region			South Lahontan Region					
		Lassen Group	Alpine Group	NL Total	Mono Owens	Death Valley	Indian Wells	Antelope Valley	Mojave River	SL Total
Use	Urban	10	18	28	7	1	8	67	59	141
	Agriculture	294	172	466	132	10	12	57	81	292
	Environmental	18	609	627	161	0	0	0	0	161
	Other	0	0	0	0	3	1	6	5	15
	Total	322	798	1,120	300	14	21	130	144	608
Supply	Local	217	171	387	52	0	0	15	0	66
	Imports by Local	0	0	0	0	0	0	0	0	0
	Groundwater	102	14	116	87	14	20	34	123	276
	Reclaimed	3	5	8	1	0	1	20	6	27
	Colorado River	0	0	0	0	0	0	0	0	0
	CVP	0	0	0	0	0	0	0	0	0
	Other Federal	0	0	0	0	0	0	0	0	0
	SWP	0	0	0	0	0	0	62	16	78
	Dedicated Natural Flow	0	609	609	161	0	0	0	0	161
	Total	322	798	1,120	300	14	21	130	144	608

Table 23 (cont.)
Net Water Budgets by Planning Subarea
(1,000 acre-feet)

		Colorado River Region						
		29 Palms Lanfair	Chuck Walla	Colorado River	Coach	Borrego	Imperial Valley	Colorado Total
Use	Urban	7	0	4	212	1	34	259
	Agriculture	15	17	673	277	37	2,564	3,582
	Environmental	0	0	0	0	0	39	39
	Other	1	0	3	42	0	397	442
	Total	23	17	680	531	39	3,034	4,322
Supply	Local	0	0	0	6	0	0	6
	Imports by Local	0	0	0	0	0	0	0
	Groundwater	21	17	28	130	7	0	203
	Reclaimed	2	0	0	13	0	0	15
	Colorado River	0	0	652	326	32	3,034	4,043
	CVP	0	0	0	0	0	0	0
	Other Federal	0	0	0	0	0	0	0
	SWP	0	0	0	55	0	0	55
	Dedicated Natural Flow	0	0	0	0	0	0	0
	Total	23	17	680	531	39	3,034	4,322

Table 24
Net Water Budgets by Hydrologic Region
(1,000 acre-feet)

		North Coast	SF Bay	Central Coast	South Coast	Sac River	SJR	Tulare Lake	North Lahontan	South Lahontan	Colorado River	California Total
Use	Urban	125	1,017	212	2,985	709	401	338	28	141	259	6,214
	Agriculture	502	85	926	658	5,957	5,859	7,649	466	292	3,582	25,976
	Environmental	27,523	22,535	158	27	8,595	4,982	3,097	627	161	39	67,745
	Other	33	15	16	353	285	201	130	0	15	442	1,489
	Total	28,182	23,652	1,312	4,024	15,546	11,444	11,214	1,120	608	4,322	101,424
Supply	Local	360	402	76	447	2,938	3,009	3,680	387	66	6	11,371
	Imports by Local	0	473	0	388	5	0	0	0	0	0	866
	Groundwater	190	59	937	1,362	2,221	1,499	1,057	116	276	203	7,920
	Reclaimed	12	35	18	209	0	2	0	8	27	15	327
	Colorado River	0	0	0	967	0	0	0	0	0	4,043	5,011
	CVP	0	131	28	0	1,961	1,990	2,306	0	0	0	6,415
	Other Federal	407	52	94	0	331	127	0	0	0	0	1,011
	SWP	0	124	0	650	16	5	1,105	0	78	55	2,034
	Dedicated Natural Flow	27,214	22,375	158	0	8,075	4,812	3,066	609	161	0	66,470
	Total	28,182	23,652	1,312	4,024	15,546	11,444	11,214	1,120	608	4,322	101,424

Table 25
Groundwater Changes Spring 1994 to Spring 1995

Hydrologic Region	Planning Subarea	Detailed Analysis Unit	County	Groundwater Basin	Report District	Change Elevation (Feet)	Change Storage taf
North Coast	Upper Klamath	Lost River	Modoc	Klamath River Valley	N.D.	0.2	0.5
			Siskiyou	Klamath River Valley	N.D.	-1.8	-14.7
		Butte Valley	Siskiyou	Siskiyou Butte Valley	N.D.	-0.1	-3.0
		Scott Valley	Siskiyou	Scott River Valley	N.D.	-1.9	-6.8
		Shasta Valley	Siskiyou	Shasta Valley	N.D.	0.0	0.2
	Lower Klamath	Trinity	Humboldt	Hoopa Valley	N.D.	-2.7	-0.6
		Lower Klamath	Del Norte	Klamath River Mouth	N.D.	-1.5	-0.8
			Humboldt	Prairie Creek	N.D.	-1.5	-0.1
		Smith River	Del Norte	Smith River Plain	N.D.	-3.5	-11.1
	Coastal	Lower Eel	Humboldt	Eel River	N.D.	-1.6	-8.4
		Van Duzen	Humboldt	Eel River	N.D.	-1.6	-0.5
		S.F. Eel	Mendocino	Laytonville	N.D.	-2.7	-1.5
		Upper Eel	Mendocino	Covelo Round Valley	N.D.	-2.2	-2.3
			Mendocino	Little Lake Valley	N.D.	-3.3	-2.5
		Redwood Creek	Humboldt	Prairie Creek	N.D.	-1.2	-1.2
			Humboldt	Redwood Creek	N.D.	-1.1	-0.2
		Mad-Trinidad	Humboldt	Humboldt Big Lagoon	N.D.	2.8	0.4
			Humboldt	Mad River Valley	N.D.	-3.4	-1.0
		Eureka Plain	Humboldt	Eureka Plain	N.D.	-1.2	-3.1
			Humboldt	Mad River Valley	N.D.	-2.5	-5.8
	Russian R- Marin			Potter Valley	C.D.		
				Ukiah Valley	C.D.	0.7	2.5
				Sanel Valley	C.D.	-0.9	-0.5
				Alexander Valley	C.D.	1.4	4.7
				Santa Rosa Valley	C.D.	-4.1	-29.1
SF Bay	North Bay			Petaluma Valley	C.D.	-1.0	-1.1
				Sonoma Valley	C.D.	-1.9	-4.2
				Napa Valley	C.D.	-4.2	-5.3
				Suisun-Fairfield	C.D.	-2.4	-3.3
	South Bay			Pittsburg Plain	C.D.	-1.8	-2.4
				Clayton Valley	C.D.	-1.1	-1.5
				Ygnacio Valley	C.D.	0.2	0.3
				Half Moon Bay	C.D.	-4.2	-4.7
				San Gregorio Valley	C.D.	-3.4	-1.5
				Pescadero Valley	C.D.	-2.3	-0.8
				Santa Clara Valley	C.D.		
				Coyote	C.D.		
				Llagas	C.D.		

Table 25 (cont.)
Groundwater Changes Spring 1994 to Spring 1995

Hydrologic Region	Planning Subarea	Detailed Analysis Unit	County	Groundwater Basin	District	Change Elevation (Feet)	Change Storage taf
Central Coast	Central Coast North	Pressure			C.D.	9.8	
		East Side			C.D.	8.5	
		Forebay			C.D.	5.6	
		Upper Valley			C.D.	5.2	
		S. Santa Clara Valley			C.D.	0.9	
				Arroyo Grande	S.D.	6.0	
				Nipomo	S.D.	1.0	
				Pismo Beach	S.D.	13.0	
				Carpinteria	S.D.	8.0	
				Santa Barbara	S.D.	1.0	
				Santa Ynez	S.D.	-8.0	
				Santa Maria	S.D.	23.0	
South Coast				Piru Basin	S.D.	23.0	
				Fillmore Basin	S.D.	2.0	
				Santa Paula Basin	S.D.	5.0	
				Oxnard Forebay	S.D.		
				N. (West) Los Posas	S.D.	34.0	
				Oxnard Plain Pressure	S.D.	-3.0	
				Santa Clara	S.D.	-3.0	
				Central	S.D.	-26.0	
				West Coast	S.D.	-2.0	
				Montebello Forebay	S.D.	3.0	19.0
				San Fernando	S.D.		
				Main San Gabriel	S.D.	0.0	79.0
				San Gabriel Canyon	S.D.	14.0	
				Pomona	S.D.	49.0	
				Raymond	S.D.	-29.0	
				Orange Co WD	S.D.	-6.0	37.0
				Chino	S.D.	-30 to 20	
				Bunker Hill	S.D.	-1.0	
				Colton&Rvrside Bsns	S.D.	5.0	
				San Bernardino	S.D.	3.0	36.0
				Yucaipa	S.D.	-17.0	
				Temecula	S.D.	-4.0	
				San Diego Co	S.D.		

Table 25 (cont.)
Groundwater Changes Spring 1994 to Spring 1995

Hydrologic Region	Planning Subarea	Detailed Analysis Unit	County	Groundwater Basin	District	Change Elevation (Feet)	Change Storage taf
Sac. River	Shasta Lake	Goose Lake	Lassen	Alturas	N.D.	0.3	0.1
			Modoc	Alturas	N.D.	0.3	3.5
		Alturas	Modoc	Goose Lake	N.D.	1.0	3.3
		Big Valley	Lassen	Big Valley	N.D.	-0.7	-4.0
			Modoc	Big Valley	N.D.	-0.9	-1.6
			Modoc	Round Valley	N.D.	-1.7	-1.2
		MacArthur	Lassen	Fall River Valley	N.D.	-1.8	-1.0
		Hat Creek	Shasta	Fall River Valley	N.D.	-2.0	-9.8
	Northwest Valley	Redding West	Shasta	Redding	N.D.	-1.8	-13.9
			Tehama	Redding	N.D.	-0.7	-5.9
		Red Bluff-Orland	Glenn	Sacramento Valley	N.D.	-4.5	-35.9
			Tehama	Sacramento Valley	N.D.	-1.5	-52.5
	Northeast Valley	Redding East	Shasta	Redding	N.D.	0.0	0.3
			Tehama	Redding	N.D.	0.0	0.0
		Los Molinos	Butte	Sacramento Valley	N.D.	-2.5	-14.8
			Tehama	Sacramento Valley	N.D.	-1.6	-12.6
	Southeast Valley	Feather River	Plumas	Almanor	N.D.	-0.6	-0.2
			Plumas	Mohawk Valley	N.D.	-1.0	-0.4
			Plumas	Sierra Valley	N.D.	5.0	24.7
			Sierra	Sierra Valley	N.D.	0.2	0.7
	Central Basin West	Willows-Arbuckle	Colusa	Sacramento Valley	N.D.	-1.4	-41.9
			Glenn	Sacramento Valley	N.D.	1.6	40.2
		Glenn-Knights Ld	Colusa	Sacramento Valley	N.D.	-3.2	-23.9
	Central Basin East	Durham-Sutter	Butte	Sacramento Valley	N.D.	-1.9	-24.5
			Glenn	Sacramento Valley	N.D.	0.6	0.6
		Butte City	Butte	Sacramento Valley	N.D.	-1.9	-2.9
			Colusa	Sacramento Valley	N.D.	-2.9	-8.5
			Glenn	Sacramento Valley	N.D.	-3.6	-7.5
		Yuba City-Gridley	Butte	Sacramento Valley	N.D.	-1.0	-6.9
		Honcut Valley	Butte	Sacramento Valley	N.D.	-0.9	-2.8
	Southwest Valley	Cache Creek	Lake	Burns Valley	N.D.	-1.5	-0.1
			Lake	High Valley	N.D.	-4.5	-0.6
			Lake	Kelseyville Valley	N.D.	-2.9	-3.9
			Lake	Scotts Valley	N.D.	-2.9	-0.6
			Lake	Upper Lake	N.D.	-3.1	-2.1
		Putah Creek	Lake	Coyote Valley	N.D.	-3.5	-1.0
			Lake	Mdletwn-Collayomi Vly	N.D.	-3.3	-1.2
	Central Basin E			Sutter	C.D.	-3.0	-36.5
				North Yuba	C.D.	-1.3	-9.5
				South Yuba	C.D.	0.6	4.2
				North American	C.D.	-1.5	-33.4
				South American	C.D.	0.2	2.5
	Central Basin W			Solano	C.D.	-3.3	-104.6
				Yolo	C.D.	-0.1	-1.3
				Colusa	C.D.	-2.3	-31.9

Table 25 (cont.)
Groundwater Changes Spring 1994 to Spring 1995

Hydrologic Region	Planning Subarea	Detailed Analysis Unit	County	Groundwater Basin	District	Change Elevation (Feet)	Change Storage taf
Sac-SJR	Delta Service Area			Tracy	C.D.	-2.5	-77.2
SJR	Eastern Valley Floor			Cosumnes	C.D.	-2.1	-43.0
				E San Jaoquin	C.D.	1.5	79.6
	Western Uplands				C.D.		
	Valley East Side	Modesto-Oakdale			S.J.D.	-1.7	-50.0
		Modesto Reservoir			S.J.D.	-2.7	-12.0
		Turlock			S.J.D.	0.7	18.0
		Turlock Lake			S.J.D.	0.1	0.0
		Merced			S.J.D.	-3.4	-49.0
		Merced Stream Group			S.J.D.	0.4	0.0
		El Nido-Stevinson			S.J.D.	1.9	18.0
		Madera-Chowchilla			S.J.D.	-5.0	-87.0
		Adobe			S.J.D.	-2.9	-45.0
		Gravelly Ford			S.J.D.	-1.2	-18.0
	Valley West Side	West Side			S.J.D.	0.0	34.0
Tulare Lake	Kings-Kaweah-Tule	Fresno			S.J.D.	-4.4	-154.0
		Academy			S.J.D.	-7.4	-23.0
		Raisin			S.J.D.	-0.2	-11.0
		Consolidated			S.J.D.	-4.8	-139.0
		Lower Kings River			S.J.D.	-1.6	-28.0
		Hanford-Lemoore			S.J.D.	-0.4	-8.0
		Alta			S.J.D.	-2.6	-35.0
		Orange Cove			S.J.D.	1.3	2.0
		Tulare Lake			S.J.D.	1.3	8.0
		Kaweah Delta			S.J.D.	-5.1	-238.0
		Tule Delta			S.J.D.	-3.5	-167.0
	San Luis West Side	Westlands			S.J.D.	-3.0	-10.0
		Kettleman Plain			S.J.D.		
		South Tulare Lake			S.J.D.	1.7	0.0
	Kern Valley Floor	Kern Delta			S.J.D.	-5.2	-221.0
		Semitropic			S.J.D.	3.2	80.0
		North Kern			S.J.D.	-4.8	-111.0
		Northeastern Kern			S.J.D.	-6.5	-16.0
		Arvin-Edison			S.J.D.	4.6	50.0
		Antelope Plain			S.J.D.	-2.6	-9.0
		Buena Vista Valley			S.J.D.	-3.9	-1.0
		Wheeler R-Maricopa			S.J.D.	0.0	0.0

Table 25 (cont.)
Groundwater Changes Spring 1994 to Spring 1995

Hydrologic Region	Planning Subarea	Detailed Analysis Unit	County	Groundwater Basin	District	Change Elevation (Feet)	Change Storage taf
North Lahtn	Lassen Group	Surprise Valley	Lassen	Surprise Valley	N.D.	7.0	1.0
			Modoc	Surprise Valley	N.D.	7.0	108.5
		Madeline Plains	Lassen	Termo-Madeline Plains	N.D.	0.9	10.9
		Susanville	Lassen	Honey Lake	N.D.	0.7	9.9
		Herlong	Lassen	Honey Lake	N.D.	0.2	1.2
			Lassen	Long Valley	N.D.	-1.6	-4.0
			Sierra	Long Valley	N.D.	-3.5	-2.2
		Upper Honey Lake	Lassen	Secret Valley	N.D.	0.8	2.0
			Lassen	Willow Creek Valley	N.D.	-0.4	-0.4
	Alpine Group			El Dorado	C.D.	-2.8	-2.7
South Lahtn				Owens Valley	S.D.	0.0	
				Antelope Valley	S.D.	1.0	
				Mojave River	S.D.	-1.0	
Colorado River				Indio Basin	S.D.		
				Warren Valley	S.D.	7.0	

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