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Chapter 9

Water Contracts and Deliveries



Oroville Dam spillway

Significant Events in 2000

- On October 1, 1999, State Water Project long-term contractors submitted initial requests for 2000 approved Table A deliveries totalling 3.62 million acre-feet. The Department approved deliveries of 2.06 million acre-feet on November 30, 1999, resulting in an initial approved Table A amount for most SWP contractors of 50 percent of Table A requests for 2000. Improved water conditions increased the 2000 approved Table A amount to 2.88 million acre-feet or 70 percent on February 25, 2000. As a result of additional improvements in water conditions, approved Table A amounts were further increased to 3.62 million acre-feet or 100 percent on March 10, 2000. Unusually dry conditions from mid-March on caused a reduction in approved Table A amounts to 3.42 million acre-feet or 90 percent of contractor requests; approved Table A amounts remained at that level for the rest of 2000.
- In 2000, 4,932,032 acre-feet of water were conveyed to 27 long-term contractors and 17 other agencies. That amount includes a total of 3,523,492 acre-feet of SWP water of which 2,983,670 acre-feet is approved Table A water; 308,257 acre-feet is Article 21 water and 528 acre-feet is unscheduled water; 216,237 acre-feet is carryover; 10,770 acre-feet is flexible storage withdrawal; and 4,030 acre-feet is SWP water for recreation.
- The Department executed seven amendments to long-term water supply contracts.
- The Department executed 14 water conveyance/storage agreements and 3 turnout agreements with SWP contractors.
- The Department conveyed 301,146 acre-feet of Central Valley Project water through SWP facilities.
- Nine Feather River water right settlement agencies received a total of 1,085,886 acre-feet of water.

The long-term water supply contracts for water service from the State Water Project between the Department and 29 local agencies are basic to the project's construction and operation. In return for State financing, constructing, operating, and maintaining facilities needed to provide water service, the agencies contractually agreed to repay all associated SWP capital and operating costs.

The Department delivers water to SWP contractors according to their long-term water supply contracts.

The SWP contractors' long-term water supply contracts set forth Table A amounts, which determine how much water a contractor may request each year from the Department.

Annual Table A represents the total amount of project water that an SWP contractor may request each year, according to that contractor's long-term water supply contracts.

Approved Table A represents the amount of annual Table A requested by the contractors and approved for delivery by the Department, based on hydrologic conditions, current reservoir storage, and total requests by the SWP

Long-Term SWP Water Supply Contracts

The first water supply contract was signed with the Metropolitan Water District of Southern California on November 4, 1960. The contract was negotiated by the Department and Metropolitan according to terms of the contracting principles for water service contracts announced by Governor Edmund G. Brown on January 20, 1960.

The Metropolitan contract became the prototype for all water contracts; by the end of 1967, 31 agencies had contracted for water. In addition, a water supply contract was executed with the City of West Covina in December 1963, but was terminated in August 1965; the city's Table A amount was transferred to Metropolitan through an amendment to the district's long-term contract with the Department. Long-term contracts with Hacienda Water District and Devil's Den Water District were also terminated when those districts transferred their Table A amounts, through contract amendments, to Tulare Lake Basin Water Storage District (1981) and Castaic Lake Water Agency (1992), respectively. Today the SWP has long-term water supply contracts with 29 agencies. Those contracts have been amended periodically to incorporate mutually desired modifications.

All water contracts signed in the 1960s included an estimate of the date water would first be delivered and a schedule of the amount of water the agency could expect to be delivered annually (annual Table A amounts). That amount was designed to increase gradually until the maximum amount of annual Table A was reached. The total combined maximum annual Table A amount for all water contracting agencies was initially 4,230,000 acre-feet, assuming full development of the SWP.

The contracts were initially designed to be valid for 75 years or until all bonds sold as part of the California Water Resources Development Bond Act were repaid, whichever period was longer. As a result of amendments to contracts in the 1990s, the current combined maximum annual Table A amount totals 4,172,786 acre-feet, and the contracts are in effect for the longest of the following periods: (1) the project repayment period, which extends to the year 2035; (2) 75 years from the date of the contract; or (3) the period ending with the latest maturity date of any bond used to finance the construction costs of project facilities.

water contractors. The Department is not always able to deliver the quantity of water requested by the contractors; under certain conditions, a lesser amount, allocated according to the long-term water supply contracts and the process noted above, is made available for delivery.

Approved Table A amounts may also be referred to in this chapter as *approved amounts* or *approved water*.

The long-term water contracts are amended as needed. During 2000, the Department executed seven amendments to these contracts.

The Department also enters into miscellaneous agreements with SWP contractors and other agencies—which may be amended periodically—to convey SWP and non-SWP water through the California Aqueduct and approve the construction, operation, and maintenance of turnouts along SWP facilities. During 2000, the Department executed 14 water conveyance/storage agreements, and 3 turnout agreements with SWP contractors.

The State Water Project Analysis Office has developed a numbering system for contracts, amendments, and agreements executed by the Department. These numbers, designated as SWPAO #XXXXX, are located in parentheses after each contract, amendment, or agreement.

Detailed information about contracts and amendments follows.

Amendments to Long-Term SWP Water Supply Contracts

All the original contracts signed by the Department and local agencies have been previously amended to incorporate mutually desired changes. Most amendments fall under the following five general categories:

- revision of Table A amounts in the water supply contracts;

- allocation of costs and benefits for the enlargement or extension of the East Branch and extension of the Coastal Branch of the California Aqueduct;
- purchase of excess capacity in the California Aqueduct;
- provisions to allow contractors, during certain conditions, to carry over undelivered SWP approved Table A water from one year for delivery in the next year; and
- implementation of Monterey Agreement principles.

The following long-term SWP Water Supply Contracts were amended during 2000.

Alameda County Flood Control and Water Conservation District, Zone 7. The Department executed Amendment Number 21 to the Water Supply Contract between Alameda-Zone 7 and the Department on December 8, 2000. The Amendment provided for the permanent transfer of 10,000 acre-feet of SWP agricultural Table A water to Alameda-Zone 7 from Kern County Water Agency, and set forth conditions for the transfer. 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 Table A water to urban agencies. The transfer is effective January 1, 2001. (SWPAO #01005)

County of Butte. The Department executed Amendment Number 15 to the Water Supply Contract between Butte and the Department on November 14, 2000. The Amendment provided for reduction of Butte's Table A amounts from 27,500 acre-feet to 3,500 acre-feet for 2001. In 2002, Butte's Table A amounts will revert to the maximum of 27,500 acre-feet. (SWPAO #01002)

Kern County Water Agency. The Department executed Amendment Number 32 to the Water Supply Contract between Kern and the Department on December 8, 2000. The Amendment provided for the permanent transfer of 10,000 acre-feet of SWP agricultural Table A amount from Kern to Alameda-Zone 7, and set forth conditions for the transfer. 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 Table A amounts to urban agencies. The transfer is effective January 1, 2001. (SWPAO #01008)

Kern County Water Agency. The Department executed Amendment Number 33 to the Water Supply Contract between Kern and the Department on December 8, 2000. The Amendment provided for the permanent transfer of 5,756 acre-feet of SWP agricultural Table A amounts from Kern to Solano County Water Agency, and set forth conditions for the transfer. 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 Table A amounts to urban agencies. The transfer is effective January 1, 2001. (SWPAO #01007)

Kern County Water Agency. The Department executed Amendment Number 34 to the Water Supply Contract between Kern and the Department on December 8, 2000. The Amendment provided for the permanent transfer of 4,025 acre-feet of SWP agricultural Table A amount from Kern to Napa County Flood Control and Water Conservation District, and set forth conditions for the transfer. 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 Table A amount to urban agencies. The transfer is effective January 1, 2001. (SWPAO #01006)

Napa County Flood Control and Water Conservation District. The Department executed Amendment Number 21 to the Water Supply Contract between Napa and the Department on December 8, 2000. The Amendment provided for the permanent transfer of 4,025 acre-feet of SWP agricultural Table A amounts to Napa from Kern and set forth conditions for the transfer. 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 Table A amounts to urban agencies. The transfer is effective January 1, 2001. (SWPAO #01003)

Solano County Water Agency. The Department executed Amendment Number 17 to the Water Supply Contract between Solano and the Department on December 8, 2000. The Amendment provided for the permanent transfer of 5,756 acre-feet of SWP agricultural Table A amounts to Solano from Kern, and set forth conditions for the transfer. 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 Table A amounts to urban agencies. The transfer is effective January 1, 2001. (SWPAO #01004)

Monterey Amendments

The Monterey Amendments increase the reliability of existing water supplies; provide stronger financial management for the SWP; and increase water management flexibility, providing more tools for local water agencies to maximize use of existing facilities.

Changes to SWP operations incorporated in the Monterey Amendments include changes in determination of approved Table A water, the transfer of Table A amounts and land, financial restructuring, and increased operational flexibility. The Monterey Amendments are discussed in detail in Chapter 1, *Summary of Significant Events*, of Bulletin 132-95.

No Monterey Amendments were executed during 2000. Plumas County Flood Control and Water Conservation District and Empire West Side Irrigation District remain the only long-term SWP contractors who have not signed the Monterey Amendment.

The Planning and Conservation League filed a lawsuit on December 27, 1995, challenging the California Environmental Quality Act compliance for the Monterey Amendment. A Sacramento County Superior Court judge later dismissed the lawsuit. PCL appealed the decision and on September 15, 2000, the Third District Court of Appeal reversed the Superior Court ruling. Additional information can be found in Chapter 6, *Legislation and Litigation*.

Miscellaneous Agreements with Long-Term SWP Contractors

Water Conveyance/Exchange Agreements

During 2000, water conveyance/exchange agreements were executed with long-term SWP contractors as described below.

Antelope Valley-East Kern Water Agency.

An agreement pending execution among the Department, AVEK, and Littlerock Creek Irrigation District, will provide for the delivery of up to 5,000 acre-feet of AVEK's 2000 approved Table A water to Littlerock. The water delivered through the Littlerock Creek Turnout will be used to study recharge into AVEK's service area. A total of 5,002 acre-feet was delivered in 2000. (SWPAO #00024)

Castaic Lake Water Agency. A letter agreement dated August 30, 2000, and executed September 6, 2000, between the Department and Castaic Lake, approved a water transfer of Castaic Lake's 2000 approved Table A water to Westlands Water District, a Central Valley Project contractor. The transfer was on behalf of Rolling Hills Farms, who leases land in both the Castaic Lake and WWD service areas, in order to utilize annual water supplies in the most beneficial manner for 2000 farming operations. The transfer was completed in 2000, with a total of 1,200 acre-feet delivered to WWD. (SWPAO #00015)

Dudley Ridge Water District. A letter agreement pending execution among the Department, Dudley Ridge, and Kern, will provide for the transfer of up to 1,500 acre-feet of Dudley Ridge's 1999 approved Table A carryover water to Kern during the first three months of 2000. The agreement will facilitate a transfer of water to Paramount Farming Company, a landholder who farms in both Dudley Ridge and Kern service areas. A total of 1,500 acre-feet was transferred to Kern in 2000. (SWPAO #00034).

Empire West Side Irrigation District. An agreement executed May 1, 2000, between the Department and Empire, approved the delivery of unscheduled water to Empire in 2000 at times when project water was not needed for fulfilling approved Table A water deliveries or for meeting project operational commitments. A total of 528 acre-feet of unscheduled water was delivered to Empire in 2000. (SWPAO #00011)

Kern County Water Agency. A letter agreement dated May 12, 2000, and executed May 31, 2000, between the Department and Kern, approved the transfer of up to 32,767 acre-feet of Kern's 2000 approved Table A water to WWD. The agreement facilitated a water transfer in 2000 from landholders within member units of Kern—Lost Hills Water District, Berrenda Mesa Water District, and BWSD—to land they farm in WWD. The Department has approved similar transfers annually since 1996. A total of 29,267 acre-feet was delivered to WWD in 2000. (SWPAO #00012)

Kern County Water Agency. A letter agreement dated June 29, 2000, and executed July 5, 2000, between the Department and Kern, approved the transfer in 2000 of up to 6,580 acre-feet of Kern's 2000 approved Table A water to WWD. The agreement facilitated a water transfer from landholders within member units of Kern—LHWD, BMWD, and BWSD—to land they farm in WWD. The Department has approved similar transfers annually since 1996. A total of 6,580 acre-feet was delivered to WWD in 2000. (SWPAO #00014)

Kern County Water Agency. A letter agreement dated August 31, 2000, and executed September 7, 2000, between the Department and Kern, approved the exchange of up to 60,000 acre-feet of Kern's 2000 approved Table A water for a like amount of Kern Water Bank water acquired by WWD. The Department petitioned and received approval from the State Water Resources Control Board and then approved the delivery to WWD from Reaches 4, 5, 6, and 7 of the California Aqueduct. In return, WWD would release up to 60,000 acre-feet of previously banked Kern River floodwater from

the Kern Water Bank Authority to Kern. The exchange was completed in 2000, and a total of 54,629 acre-feet was delivered to WWD. (SWPAO #00016)

Kern County Water Agency. A letter agreement dated August 31, 2000, and executed September 11, 2000, between the Department and Kern, approved the delivery of up to 20,000 acre-feet of Kern's 2000 approved Table A water to WWD, in exchange for a like amount of previously banked Kern River floodwater. In 1996, Kern entered into an agreement with Nickel/Garces LLC (La Hacienda, Inc.) to receive Kern River water in exchange for a like amount of future Kern approved Table A water to a future designated water agency. The Department petitioned and received approval from SWRCB and then approved the delivery to WWD from Reaches 4, 5, 6, and 7 of the California Aqueduct. The exchange was completed in 2000, and a total of 15,000 acre-feet was delivered to WWD. (SWPAO #00017)

Kern County Water Agency. A letter agreement dated August 29, 2000, and executed September 13, 2000, among the Department, Kern, and Tulare, approved the transfer of up to 400 acre-feet of Kern's 2000 approved Table A water to Tulare. The water was transferred from LHWD, a member unit of Kern, to Westlake Farms located within the service area of Tulare. The transferred water was used to create wetland habitat for shore birds as required under a mitigation agreement between the Regional Water Quality Control Board and LHWD for the operation of LHWD's evaporation basin. The Department has approved similar transfers annually since 1996. A total of 400 acre-feet was delivered to Tulare in 2000. (SWPAO #00018)

Kern County Water Agency. A letter agreement dated September 29, 2000, and executed October 9, 2000, between the Department and Kern, approved the exchange of up to 75,000 acre-feet of Kern's 2000 approved Table A water for previously banked Kern River floodwater and Friant-Kern Section 215/floodwater purchased by the Bureau of Reclamation from the Kern Water Bank Authority. The

Department petitioned and received approval from SWRCB and then approved the delivery of Table A water to the Bureau at O'Neill Forebay. Kern would use banked non-SWP water in lieu of scheduled Table A water. The exchange was completed in 2000, and a total of 72,280 acre-feet was delivered to O'Neill Forebay. (SWPAO #00019)

Kern County Water Agency. A letter agreement dated September 29, 2000, and executed October 16, 2000, between the Department and Kern, approved the 1-year exchange of up to 25,000 acre-feet of Kern's 2000 approved Table A water for a like amount of previously banked Friant-Kern Canal water acquired by WWD. SWP water was approved for delivery to WWD from Reach 7 of the California Aqueduct for use on lands within the SWP place of use. The exchange was completed in 2000, and a total of 20,970 acre-feet was delivered to WWD. (SWPAO #00020)

Kern County Water Agency. An agreement executed on June 8, 2000, between the Department, Kern, and Western Hills Water District, approved the delivery of 8,000 acre-feet of pre-1914 Lower River Rights Water banked in Kern's share of the Pioneer Groundwater Banking Project. A portion of Kern's annual Table A water will be delivered to WHWD from Reach 2A of the California Aqueduct; in exchange, Kern will take a like amount of banked local water from the Pioneer Groundwater Bank. The Department petitioned SWRCB and by SWRCB Order dated April 21, 2000, WHWD's service area was included within the authorized SWP place of use. The delivery structure for WHWD has not been constructed, so Kern did not exchange any approved Table A water with WHWD in 2000. (SWPAO #01001)

Kern County Water Agency. A letter agreement, pending execution between the Department and Kern, will provide for the delivery of up to 30,000 acre-feet of nonproject water from four CVP contractors using 2000 water year CVP water supply. In exchange, Kern would return a like amount of its approved Table A water back to CVP by December 31, 2003. The

Department will petition SWRCB for approval for delivery of the return water. A total of 23,941 acre-feet was delivered to Kern in 2000. (SWPAO #00032)

Kern County Water Agency. A letter agreement, pending execution between the Department and Kern, will provide for the delivery of up to 20,000 acre-feet of Kern's 2000 approved Table A water to WWD, in exchange for a like amount of WWD's CVP water. SWP water was approved for delivery to WWD from Reach 7 of the California Aqueduct for use on lands within the SWP place of use. A total of 20,000 acre-feet was delivered to Kern and a total of 20,000 acre-feet was returned to WWD in 2000. (SWPAO #00035)

Kern County Water Agency. A letter agreement dated December 20, 2000, and pending execution between the Department and Kern, will provide for the delivery of up to 4,167 acre-feet of Kern's 2000 approved Table A water to WWD, in exchange for a like amount of WWD's CVP water returned prior to December 2000. SWP water was approved for delivery to WWD from Reach 7 of the California Aqueduct for use on lands within the SWP place of use. A total of 4,167 acre-feet was delivered to Kern in 2000, and a total of 4,167 acre-feet of water was returned to WWD in 2000. (SWPAO #00036)

Metropolitan Water District of Southern California. A letter agreement dated October 27, 2000, and executed November 27, 2000, between the Department and Metropolitan, approved the delivery of up to 1,995 acre-feet of nonproject water to the Santa Margarita Water District through Metropolitan's delivery structures in Reach 26A of the California Aqueduct, in accordance with Water Right Orders 99-012 and 2000-01. The transfer was completed in 2000, and a total of 900 acre-feet was delivered to Metropolitan. (SWPAO #00021)

Metropolitan Water District of Southern California. A letter agreement, dated December 18, 2000, and pending execution between the Department and Metropolitan, will provide for the delivery of up to 20,000 acre-feet of Metro-

politan's 2000 approved Table A water to WWD in exchange for a like amount of water from WWD, prior to December 31, 2003. SWP water was approved for delivery to WWD from Reach 7 of the California Aqueduct for use on lands within the SWP place of use. A total of 20,000 acre-feet was delivered to WWD in 2000. (SWPAO #00026)

Napa County Flood Control and Water Conservation District. An agreement, pending execution between the Department, Napa, and Solano will provide for the delivery of up to 628 acre-feet of Napa's annual Table A amount to a turnout in Solano's service area. This water will be delivered to the City of Vallejo water treatment plant in Solano and then further conveyed to the City of American Canyon, a member agency of Napa. The agreement shall remain in effect through December 31, 2035. No water was delivered to Solano in 2000. (SWPAO #00029)

Tulare Lake Basin Water Storage District. A letter agreement dated May 12, 2000, and executed June 12, 2000, between the Department and Tulare, approved the transfer of up to 3,000 acre-feet of Tulare's 2000 Table A water to WWD. The agreement facilitated the water transfer from Tulare to WWD, on behalf of landowner Hansen Ranches who farms in both the Tulare and WWD (Vista Verde Farms, Inc.) service areas. The Department has approved similar transfers annually since 1996. The transfer was completed in 2000, and a total of 3,000 acre-feet was delivered to WWD. (SWPAO #00013)

Tulare Lake Basin Water Storage District. A letter agreement dated August 14, 2000, and executed August 18, 2000, between the Department and Tulare, will provide for the delivery of up to 20,500 acre-feet of Tulare's 2000 approved Table A water to WWD, in exchange for a like amount of the Bureau's Section 215 water or Tule River water. SWP water is approved for delivery to WWD from Reach 7 of the California Aqueduct for use on lands within the SWP place of use. The exchange was completed in 2000, and a total of 20,500 acre-feet was delivered to WWD. (SWPAO #00023)

Tulare Lake Basin Water Storage District. A letter agreement dated December 15, 2000, and executed December 27, 2000, between the Department and Tulare, approved the delivery to Tulare of 7,000 acre-feet of nonproject CVP water on behalf of Arvin-Edison Water Storage District, a CVP contractor. In exchange, Tulare is to return a like amount of water to AEWS from the Friant-Kern Canal. AEWS's water was delivered from O'Neill Forebay to Tulare's delivery structures in Reaches 8C and 8D of the California Aqueduct. The exchange was completed in 2000, and a total of 7,000 acre-feet of nonproject water was delivered to Tulare. (SWPAO #00022)

Tulare Lake Basin Water Storage District. A letter agreement, pending execution between the Department, Tulare, and WWD, provides for the delivery of up to 50,000 acre-feet of nonproject water from WWD to Tulare between December 2000 and April 15, 2001, in exchange for a like amount of Tulare's Table A water during the period from 2001 through 2003. The delivery of SWP exchange water to WWD will be from the Delta to Reach 7 of the California Aqueduct for use within the Kings County portion of WWD's service area. A total of 2,981 acre-feet was delivered to Tulare in December 2000. (SWPAO #01009)

During 2000, water was delivered pursuant to agreements with long-term SWP contractors executed prior to 2000, as described below.

Alameda County Flood Control and Water Conservation District-Zone 7. A conveyance agreement dated July 28, 1995, between Alameda-Zone 7 and the Department provides for the transfer of up to 5,000 acre-feet of BBID's local water annually to Alameda-Zone 7 through SWP facilities. An amendment to extend the agreement to December 31, 2001, is expected to be executed in March 2001. BBID may only transfer water that has been made available by conservation and fallowing. In 2000, 1,000 acre-feet of BBID's local water was pumped at Banks Pumping Plant and delivered to Alameda-Zone 7's turnouts in the South Bay Aqueduct.

Dudley Ridge Water District. An agreement executed May 22, 1998, among the Department, Dudley Ridge, and Tulare, provided for the conveyance, through the year 2035, of up to 1,000 acre-feet of Dudley Ridge's approved Table A amount through Tulare's turnout located at milepost 172.66 of the California Aqueduct. Dudley Ridge's approved Table A water will be delivered to Westlake Farms, which is located within Dudley Ridge's service area but not near its conveyance facilities. Tulare has conveyance capability and has agreed to provide service to Westlake Farms. During 2000, the Department delivered 166 acre-feet of Dudley Ridge's 2000 approved Table A water through Tulare's turnout. (SWPAO #98001)

Kern County Water Agency. Under two programs in 1978 and 1982, Metropolitan reduced its approved Table A deliveries by supplementing its water supply with Colorado River water, in order to help during a predicted dry year (1978) and during the San Luis slide repair (1982). Kern was one of several SWP contractors that acquired water from these programs. In 1978, when it became apparent that a dry year would not occur, and in 1982, when San Luis slide repairs progressed ahead of schedule, Metropolitan agreed to store the water acquired by Kern in Metropolitan's local groundwater basins for future use. During 2000, the Department delivered to Kern, by exchange of Metropolitan's approved Table A water, its remaining 24,870 acre-feet of the 1978/1982 water.

Mojave Water Agency. An agreement executed November 13, 1997, among AVEK, Mojave, and the Department, approved a change in point of delivery through the year 2019 of up to 2,250 acre-feet of Mojave's approved Table A amount to AVEK's Fairmont Turnout in Reach 19 of the California Aqueduct. Mojave does not have conveyance facilities to provide service to a solar energy generating station located within its service area. AVEK has conveyance capability and has agreed to provide service. During 2000, the Department delivered 1,361 acre-feet of Mojave's 2000

approved Table A water through AVEK's turnout. (SWPAO #97003)

Turnout Agreements

Antelope Valley-East Kern Water Agency.

An agreement dated March 28, 2000, between the Department and AVEK, allowed the construction, operation, and maintenance of the Rancho Vista Turnout at milepost 339.68, Reach 20B of the California Aqueduct. The turnout has a design capacity of 5 cfs. Construction was completed in March 2000.

Kern County Water Agency and West Kern Water District. An agreement dated March 6, 2000, among the Department, Kern, and WKWD, allowed the construction, operation, and maintenance of the West Kern Turnout No. 3 at milepost 224.07, Reach 12D of the California Aqueduct. The turnout has a design capacity of 15 cfs. Construction of the turnout is expected to be completed in January 2001.

Kern County Water Agency and Western Hills Water District. An agreement dated June 8, 2000, among the Department, Kern, and WHWD, allowed the construction, operation, and maintenance of the Western Hills Turnout at milepost 42.90, Reach 2A, on the west side of the California Aqueduct. The turnout has a design capacity of 30 cfs. Construction of the turnout is expected to be completed in September 2001.

Agreements and Activities Related to the Monterey Amendments

Turnback Water Pool Program. Under Article 56(d) of the Monterey Amendments, the fourth year of the Turnback Water Pool Program was initiated through Notice to the State Water Project Contractors No. 00-01, dated January 28, 2000. All SWP contractors who signed Monterey Amendments were permitted to participate in the program. The program allowed SWP contractors to offer a portion of their approved 2000 Table A water for sale in a turnback pool for use by interested SWP contractors. Based on supply and demand, the turn-

back water was allocated among the selling and purchasing contractors. In 2000, 282,305 acre-feet of water were purchased under the Turnback Water Pool Program.

Transactions for Pool A occurred in February 2000; transactions for Pool B occurred in March 2000. Turnback water sold for \$11.97 per acre-foot, 50 percent of the Delta Water Rate through Pool A, and for \$5.99 per acre-foot, 25 percent of the Delta Water Rate through Pool B. All money collected through the Turnback Water Pool Program was paid to the selling contractors. The 2000 Turnback Water Pool Program closed April 1, 2000.

The following contractors participated in Pool A of the Turnback Water Pool Program:

- County of Butte sold 645 acre-feet
- City of Yuba City sold 3,300 acre-feet
- San Luis Obispo County Flood Control and Water Conservation District sold 8,561 acre-feet
- AVEK sold 430 acre-feet
- Castaic Lake sold 4,101 acre-feet
- Crestline-Lake Arrowhead Water Agency sold 750 acre-feet
- Mojave sold 29,000 acre-feet
- San Bernardino Valley Municipal Water District sold 25,000 acre-feet
- San Geronio Pass Water Agency sold 1,500 acre-feet
- Ventura County Flood Control District sold 7,500 acre-feet
- Dudley Ridge purchased 3,615 acre-feet
- Kern purchased 69,145 acre-feet
- Tulare purchased 8,027 acre-feet

The following contractors participated in Pool B of the Turnback Water Pool Program:

- Butte sold 1,156 acre-feet
- Yuba City sold 3,840 acre-feet
- San Luis Obispo sold 10,000 acre-feet
- Santa Barbara sold 8,392 acre-feet

- AVEK sold 46,630 acre-feet
- Castaic Lake sold 40,000 acre-feet
- Crestline sold 2,320 acre-feet
- Mojave sold 28,220 acre-feet
- San Bernardino Valley Municipal Water District sold 42,340 acre-feet
- San Gabriel Valley Municipal Water District sold 11,920 acre-feet
- San Geronio sold 1,200 acre-feet
- Ventura sold 5,500 acre-feet
- Dudley Ridge purchased 8,578 acre-feet
- Kern purchased 164,057 acre-feet
- Tulare purchased 19,046 acre-feet
- Coachella Valley Water District purchased 3,713 acre-feet
- Desert Water Agency purchased 6,124 acre-feet

Storage of Water Outside Service Area. Pursuant to Article 56 of the Monterey Amendments, five SWP contractors delivered and stored SWP water outside their service area for later use within their service area. The following agreements include provisions concerning the points of delivery and method for transporting such water.

Alameda County Flood Control and Water Conservation District, Zone 7. An agreement pending execution among the Department, Alameda-Zone 7, and Kern, will provide for the delivery of a portion of Alameda-Zone 7's 2000 approved Table A water, Article 21 water, and other water supplies for storage and later recovery from the Semitropic Water Storage District Banking Program, in accordance with the Alameda-Zone 7 and Semitropic Water Storage District Banking Program Agreement. Alameda-Zone 7 signed similar delivery agreements for 1998 and 1999. All return water is to be delivered to Alameda-Zone 7 by December 31, 2010. During 2000, the Department delivered 20,200 acre-feet of Alameda-Zone 7's 2000 approved Table A water and 3,740 acre-feet of Article 21 water to Reach 10A for storage by SWSD. (SWPAO #00037)

Alameda County Water District. An agreement, pending execution among the Department, Alameda County, and Kern, will provide for the delivery of a portion of Alameda County's 2000 approved Table A water, Article 21 water, and other water supplies for storage and later recovery from the Semitropic Water Storage District Banking Program, in accordance with the Alameda County and Semitropic Banking Program Agreement. Alameda County has signed similar delivery agreements since 1996. All return water is to be delivered to Alameda County by December 31, 2035. During 2000, the Department delivered 11,000 acre-feet of Alameda County's 2000 approved Table A water and 2,380 acre-feet of Article 21 water to Reach 10A for storage by Semitropic. (SWPAO #00030)

Dudley Ridge Water District. An agreement pending execution among the Department, Dudley Ridge, and Kern, will provide for the delivery of a portion of Dudley Ridge's 2000 approved Table A water, Article 21 water, and other water supplies for storage and later recovery from KWB. Dudley Ridge signed similar delivery agreements since 1996. All return water is to be delivered to Dudley Ridge by December 31, 2010. During 2000, the Department delivered 953 acre-feet of Dudley Ridge's 2000 Article 21 water to Reach 12E for storage by Kern. (SWPAO #00033)

Dudley Ridge Water District. A letter agreement dated January 14, 2000, and executed February 2, 2000, among the Department, Dudley Ridge, and San Gabriel, provides for the delivery of a portion of Dudley Ridge's 1999 carryover Table A water for storage and later recovery from groundwater basins within San Gabriel. All return water is to be delivered to Dudley Ridge by December 31, 2010. During January 2000, the Department delivered 665 acre-feet of Dudley Ridge's 1999 Article 56(c) (extended carryover) Table A water to Reach 26A for storage by San Gabriel. (SWPAO #99002)

Metropolitan Water District of Southern California. An agreement, pending execution among the

Department, Metropolitan, and Kern, will provide the delivery of a portion of Metropolitan's annual Table A and other water supplies for storage and later recovery from groundwater basins within Arvin-Edison Water Storage District, in accordance with the Metropolitan and Arvin-Edison Water Storage District water management program agreement. All return water is to be delivered to Metropolitan by December 31, 2035. During 2000, the Department delivered 133,207 acre-feet of Metropolitan's 2000 approved Table A water and 16,524 acre-feet of extended carryover to Reach 12E for storage by AEWS. (SWPAO #01013)

Santa Clara Valley Water District. An agreement pending execution among the Department, Santa Clara, and Kern, will provide for the delivery of a portion of Santa Clara's 2000 approved Table A water, Article 21 water, and other water supplies, for storage and later recovery from the Semitropic Water Storage District Banking Program, in accordance with the Santa Clara and Semitropic Banking Program Agreement. Santa Clara has signed similar delivery agreements since 1996. All return water is to be delivered to Santa Clara by December 31, 2010. During 2000, the Department delivered 10,000 acre-feet of Santa Clara's 2000 approved Table A water and 13,730 acre-feet of Article 21 water to Reach 10A for storage by SWSD. (SWPAO #00031)

Solano County Water Agency. A letter agreement pending execution among the Department, Solano, and Mojave Water Agency, will provide for a 2:1 exchange of up to 4,000 acre-feet of Solano's 2000 approved Table A water to Mojave for the return of up to 2,000 acre-feet of Mojave's future annual Table A or other future water supply as mutually agreed to by Mojave and Solano, and as approved by the Department. The water is to be returned to Mojave by December 31, 2010. The Department has approved similar exchanges annually since 1997. A total of 2,245 acre-feet of Solano's 2000 approved Table A water was delivered to Mojave in 2000. (SWPAO #00028).

Other Administrative Action

Santa Barbara County Flood Control and Water Conservation District. A letter dated August 13, 1999, from the Department to Santa Barbara approved the extension of the deadline for reacquisition of all or a portion of the 12,214 acre-feet of previously established relinquished Table A amounts until July 1, 2000. The original deadline of March 12, 1998, previously established by the Department, had been extended several times. Santa Barbara did not take delivery of any reacquired water in 2000.

Article 21 Water Program

Pursuant to Article 21 of the Monterey Amendments, Article 21 water replaces surplus, wet weather, and Article 12(d) water. The Article 21 water program allows a contractor to take delivery of water over the approved and scheduled Table A amounts for the current year. Article 21 water is available for delivery on a short-term basis as determined by the Department when water is still available after operational requirements for project water deliveries, water quality, and other requirements are being met.

The conditions for the Article 21 Water Program for 2000 were described in the January 4, 2000, Notice to State Water Project Contractors No. 99-12. Participants were required to sign the notice, which indicated acceptance of the criteria, procedures, and charges for the program. Twelve SWP contractors participated and collectively received a total of 308,257 acre-feet of Article 21 water.

Since Empire has not signed the Monterey Amendment, it may still receive unscheduled water for agricultural purposes. Empire received 528 acre-feet of unscheduled water in 2000.

Flexible Storage Program

Pursuant to Article 54 of the Monterey Amendments, the flexible storage program provides SWP contractors participating in the repayment of the capital costs of Castaic Lake and Lake Perris the option to withdraw water in excess of

approved deliveries. The objective of this program is to provide additional flexibility and water management benefits to local participating agencies.

Available “flexible storage” is approximately 50 percent of active storage, providing for 160,000 acre-feet at Castaic Lake and 65,000 acre-feet at Lake Perris. Participating contractors of the Castaic Lake flexible storage program include Metropolitan, Ventura, and Castaic Lake. Respectively, each can withdraw a maximum amount of 153,940 acre-feet, 1,377 acre-feet, and 4,683 acre-feet. At Lake Perris, Metropolitan can withdraw a maximum amount of 65,000 acre-feet. Any participating contractor is given 5 years to replace the water with Table A water, purchased water, exchange water, or local water.

Two SWP contractors participated in the Flexible Storage Program in 2000. Metropolitan withdrew 8,181 acre-feet from Lake Perris in the spring and replaced 3,471 acre-feet in the summer. Castaic Lake withdrew 2,589 acre-feet during the winter from Castaic Lake.

Extended Carryover Program

Pursuant to Article 56 of the Monterey Amendments, contractors can elect to store project water outside of their service area for later use within their service area. Qualified contractors can request carryover Table A water for delivery in the following year to the extent that such deliveries do not adversely affect current or future project operations. Factors that influence how much extended carryover water can be delivered include operational constraints of project facilities, filling of SWP conservation storage facilities, flood control releases, and water quality restrictions. If storage requests exceed the available storage capacity, the amount available is allocated among the contractors requesting storage in proportion to their annual Table A amounts for that year. Six SWP contractors took delivery of 186,060 acre-feet of 1999 approved Table A water carried over into 2000 as extended carryover. Two SWP contractors had 17,189 acre-feet of their extended carry-

over delivered to storage outside their service areas.

Miscellaneous Agreements with Other Agencies

In addition to negotiating agreements with SWP contractors to provide for specified water deliveries, the Department also entered into several agreements with other agencies for water conveyance, or exchange, between January 1, 2000, and December 31, 2000.

Water Conveyance Agreements—CVP Water

The Department regularly enters into agreements to convey CVP water, such as agreements with contractors receiving water from the Bureau through the Cross Valley Canal, a water conveyance facility that connects with the Aqueduct near Tupman in Kern County. Other agencies or corporations receive CVP water through agreements between the Department and the Bureau, including the U.S. Department of Veterans Affairs, U.S. Fish and Wildlife Service, and Musco Olive Products, Inc. Occasionally the Department also enters into agreements with the Bureau to convey CVP or SWP water from the Delta to O'Neill Forebay through CVP or SWP facilities. Some of these agreements allow the Bureau to make up for curtailed water exports from Tracy Pumping Plant associated with improving conditions for fish in the Delta. Other agreements allow replacing water exports foregone during maintenance and repair of Tracy and Banks Pumping Plants and CVP and SWP conveyance facilities between the Delta and O'Neill Forebay.

Cross Valley Canal. Eight CVP water contractors use the CVC to obtain water from the California Aqueduct either by exchange with other agencies or by direct delivery. The eight water contractors are: County of Fresno, County of Tulare, Hill's Valley Irrigation District, Kern-Tulare Water District, Lower Tule River Irrigation District, Pixley Irrigation District, Rag Gulch Water District, and Tri-Valley Water

District. These agencies have had uninterrupted water conveyance service by the Department since 1976 through:

- individual 3-party contracts with the Department and the Bureau, executed in 1976, and amendments extending the contracts through February 29, 1996;
- interim renewal contracts: the first from March 1, 1996, through February 28, 1998; the second from March 1, 1998, through February 28, 2000; the third from March 1, 2000, through November 30, 2000; and the fourth from December 1, 2000, through February 28, 2001.

Between January 1, 2000, and December 31, 2000, the Department executed agreements with CVC contractors as follows:

- On March 22, 2000, PID requested the Department extend the term of the December 21, 1999, agreement through April 30, 2000. Under this extension, the Department delivered a total of 12,704 acre-feet of PID's 1999 CVP approved water to WWD in 2000. On July 11, 2000, PID requested that the Department change the point of delivery for their full 2000 CVP water from the CVC turnout in Reach 12E to turnouts in Reaches 4 through 7 of the California Aqueduct for delivery to WWD. The Department conveyed 12,000 acre-feet of the District's 31,102 acre-feet of CVP water to WWD's turnouts in 2000. An agreement is expected to be signed in January 2001.
- On March 22, 2000, LTRID requested the Department extend the term of the December 21, 1999, agreement through April 30, 2000. Under this extension, executed on June 7, 2000, the Department delivered a total of 5,237 acre-feet of LTRID's 1999 CVP approved water to WWD in 2000. On July 11, 2000, LTRID requested that the Department change the point of delivery for their full 2000 CVP water from the CVC turnout in Reach 12E to turnouts in Reaches 4 through 7 of the California Aqueduct for delivery to WWD. The Department conveyed 20,771 acre-feet of the District's 31,102 acre-feet of CVP approved water to WWD's turnouts in 2000. An agreement is expected to be signed in January 2001.
- Kern-Tulare Water District requested the Department change the point of delivery for up to 28,000 acre-feet of their 1999 and 23,000 acre-feet of their 2000 CVP water from the CVC turnout in Reach 12E to turnouts in Reaches 4 through 7 of the California Aqueduct for delivery to WWD. Under agreements executed on December 21, 1999, and a second, expected to be signed in April 2001, the Department conveyed 22,045 acre-feet and 23,000 acre-feet of water, respectively, in 2000.
- Rag-Gulch Water District requested the Department change the point of delivery for up to 9,310 acre-feet of their 1999 and 5,000 acre-feet of their 2000 CVP approved water from the CVC turnouts in Reach 12E to turnouts in Reaches 4 through 7 of the California Aqueduct for delivery to WWD. Under agreements executed on December 21, 1999, and a second, expected to be signed in April 2001, the Department conveyed 5,676 acre-feet and 5,002 acre-feet of water, respectively, for the District in 2000.
- On January 10, 2000, County of Tulare requested the Department change the point of delivery for up to 3,716 acre-feet of their 2000 CVP approved water from the CVC turnout in Reach 12E of the California Aqueduct to the federal share of O'Neill Forebay. The Department and the District executed the agreement on June 9, 2000, for the Department conveyance of up to 3,716 acre-feet, of which 3,605 acre-feet were delivered to the federal share of O'Neill Forebay.
- On December 7, 1999, Fresno County requested the Department change the point of delivery for up to 2,100 acre-feet of their 1999 CVP approved water from the CVC turnouts in Reach 12E to turnouts in Reaches 4 through 7 of the California Aqueduct for delivery to WWD. Under an agreement expected to be signed in February

2001, the Department conveyed 2,100 acre-feet to WWD's turnouts in 2000.

- On January 10, 2000, Hills Valley and Tri-Valley Water Districts requested the Department change the point of delivery for up to 2,324 and 799 acre-feet, respectively, of their 2000 CVP approved water from the CVC turnout in Reach 12E of the California Aqueduct to the federal share of O'Neill Forebay. The Department and the Districts executed the agreements on June 9, 2000, for the Department conveyance of up to 2,324 acre-feet and 799 acre-feet, respectively, of which 2,254 acre-feet and 775 acre-feet were delivered to the federal share of O'Neill Forebay.

Friant Water Users Authority. An agreement dated September 24, 1999, between the Department and Friant Water Users Authority requested the Department to convey up to 25,000 acre-feet of CVP approved water from the San Luis Canal at Kettleman City to the CVC turnout at Tupman. The water was identified as "Exchange Water" in a July 6, 1999, letter agreement between the Friant Water Users Authority, various CVP Friant water service contractors, and the Bureau. This water was to be conveyed from July 1, 1999, through February 29, 2000. In 2000, a total of 4,894 acre-feet was delivered.

Musco Olive Products, Incorporated. An annual agreement dated December 15, 2000, between the Department and the Bureau provided for the conveyance of up to 800 acre-feet of CVP approved water to Reach 2A of the California Aqueduct for use by Musco Olive Products, Inc. This water was to be conveyed from January 1, 2000, through September 30, 2001. A total of 568 acre-feet was delivered in 2000.

Tracy Golf and Country Club. An agreement dated April 28, 1999, among the Department, the Bureau, and Tracy Golf and Country Club, provided for the conveyance of up to 1,240 acre-feet of CVP water through SWP facilities to the Tracy Golf and Country Club. This water was to be conveyed from March 1, 1999, through

February 29, 2000. A total of 54 acre-feet was delivered in 2000.

U.S. Department of Veterans Affairs. A total of 33 acre-feet was delivered to the San Joaquin Valley National Cemetery in 2000. An annual agreement between the Department and the Bureau for the conveyance of up to 450 acre-feet of CVP approved water to Reach 2B of the California Aqueduct to the U.S. Department of Veterans Affairs' San Joaquin Valley National Cemetery is expected to be executed in June 2001. The water was conveyed from October 1, 1999, through September 30, 2000.

Bureau Level 4 Water. Between October and December 2000, the Department conveyed a total of 21,666 acre-feet of Bureau-purchased Level 4 water to O'Neill Forebay. The water was provided to the wildlife refuges in San Joaquin Valley to enhance and maintain wetland habitats for the benefit of waterfowl and wetland-dependent wildlife. The water was purchased from Merced Irrigation District's Lake McClure. A letter agreement is expected to be executed between the Department and the Bureau in January 2001.

U.S. Fish and Wildlife Service Cooperative Agreement. The Bureau initiated a cooperative agreement with the Department to deliver CVP water to the Kern National Wildlife Refuge for USFWS. Under the terms of this cooperative agreement, dated September 9, 1994, up to 26,530 acre-feet 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 October 1, 1993, through April 10, 1995. Since the cooperative agreement was signed, eight modifications to the agreement have been executed. Under Modification No. 001, dated October 31, 1994, additional funding was provided. Similar funding adjustments through modifications were made each year to the agreement. Modification No. 007, executed August 17, 1999, extended the agreement through April 10, 2000, and defined the water delivery rates for 2000. Modification No. 008, dated November 29, 1999, obligated

funding for that period. The Department conveyed 17,068 acre-feet for the Bureau to the Kern National Wildlife Refuge in 2000.

Bureau of Reclamation. Pursuant to a letter agreement, dated April 18, 2000, between the Department and the Bureau, the Department conveyed 82,980 acre-feet of CVP water from the Sacramento-San Joaquin Delta to O'Neill Forebay. CVP water transported to O'Neill Forebay, under the terms of this agreement, replaces exports forgone by the Bureau as a result of environmental protection action taken in 1999. The estimated shortfall would have resulted in lower allocations of CVP water for CVP purposes or decreased storage of CVP water in San Luis Reservoir at the end of the 2000 water year.

Other Agreements-Turnouts. In 2000, there were no new turnout agreements with non-SWP contractor agencies.

Amendment to Miscellaneous Agreements with Other Agencies

An amendment, executed February 7, 2000, modified and clarified provisions of the existing contract between the Department and East Contra Costa Irrigation District, dated January 7, 1981, and the contract among the Department, ECCID, and Contra Costa Water District, 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.

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 con-

tractors for use in the subsequent calendar year. Initial approved Table A amounts 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. Approved Table A amounts are increased or decreased depending on both actual and projected hydrologic conditions.

On October 1, 1999, SWP long-term contractors submitted initial requests for 2000 approved Table A deliveries totaling 3.62 million acre-feet. The Department approved deliveries of 2.06 million acre-feet on November 30, 1999 (Notice to SWP Contractors 99-10), resulting in initial approved Table A amounts of 50 percent for most SWP contractor requests. Improved water conditions increased the 2000 approved Table A amounts to 2.88 million acre-feet or 70 percent on February 25, 2000 (Notice to SWP Contractors 00-03). As a result of additional improvements in water conditions, approved Table A amounts were further increased to 3.62 million acre-feet or 100 percent on March 10, 2000 (Notice to SWP Contractors 00-06). Unusually dry conditions during March and April 2000 created the need to reduce approved Table A amounts to 90 percent on April 20, 2000 (Notice to SWP Contractors 00-09), which equated to a reduction from 3.62 million acre-feet to 3.42 million acre-feet.

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, 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 2000, 4,932,032 acre-feet of water were conveyed to 27 long-term contractors and 17 other agencies. That amount includes

- 3,199,907 acre-feet of approved Table A water¹;
- 308,257 acre-feet of Article 21 water and 528 acre-feet of unscheduled water;
- 10,770 acre-feet of Article 54 flexible storage withdrawal;
- 4,030 acre-feet of SWP water for recreation, fish and wildlife; and
- 1,408,540 acre-feet of water delivered to satisfy water rights settlement agreements and agreements with SWP contractors and other agencies, including the Bureau.

Figure 9-1 shows amounts of water delivered to various locations during 2000.

Specific information about water deliveries made to long-term contractors and other agencies during 2000 and historical deliveries from 1962 through 2000 are presented in the following three sections, each with a corresponding table:

- Water Delivered to Long-term Water Supply Contractors in 2000, by Service Area (Table 9-1);
- Water Delivered in 2000, by Month (Table 9-2); and
- Total Amounts of Annual Table A Water and Water Conveyed, by Type, 1962-00 (Table 9-3).

¹ Annual Table A 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.

Water Deliveries and Credits to Long-Term SWP Contractors

Table 9-1 shows amounts of water delivered in 2000. The following information about specific columns in Table 9-1 is arranged by column number.

2000 Approved Table A Water Delivered. Columns 1 through 5 show a detailed breakdown of approved Table A water delivered to long-term water supply contractors in 2000.

Turnback Pool Water. Column 4 shows 282,305 acre-feet of turnback pool water was delivered to long-term water supply contractors in 2000.

1999 Carryover Approved Table A Water Delivered During 2000. For several years, the Department 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. Column 6 shows 217,737 acre-feet of water was carried over from 1999 for delivery in 2000.

Article 14(b) Water. No 1999 approved Table A water was delivered in 2000 under Article 14(b).

Total Table A Water Delivered. Column 8 shows all approved Table A water delivered in 2000—a total of 3,199,907 acre-feet.

2000 Article 21 Water. Column 9 shows 308,785 acre-feet of 2000 Article 21 water delivered to long-term water supply contractors in 2000 (includes 528 acre-feet of unscheduled

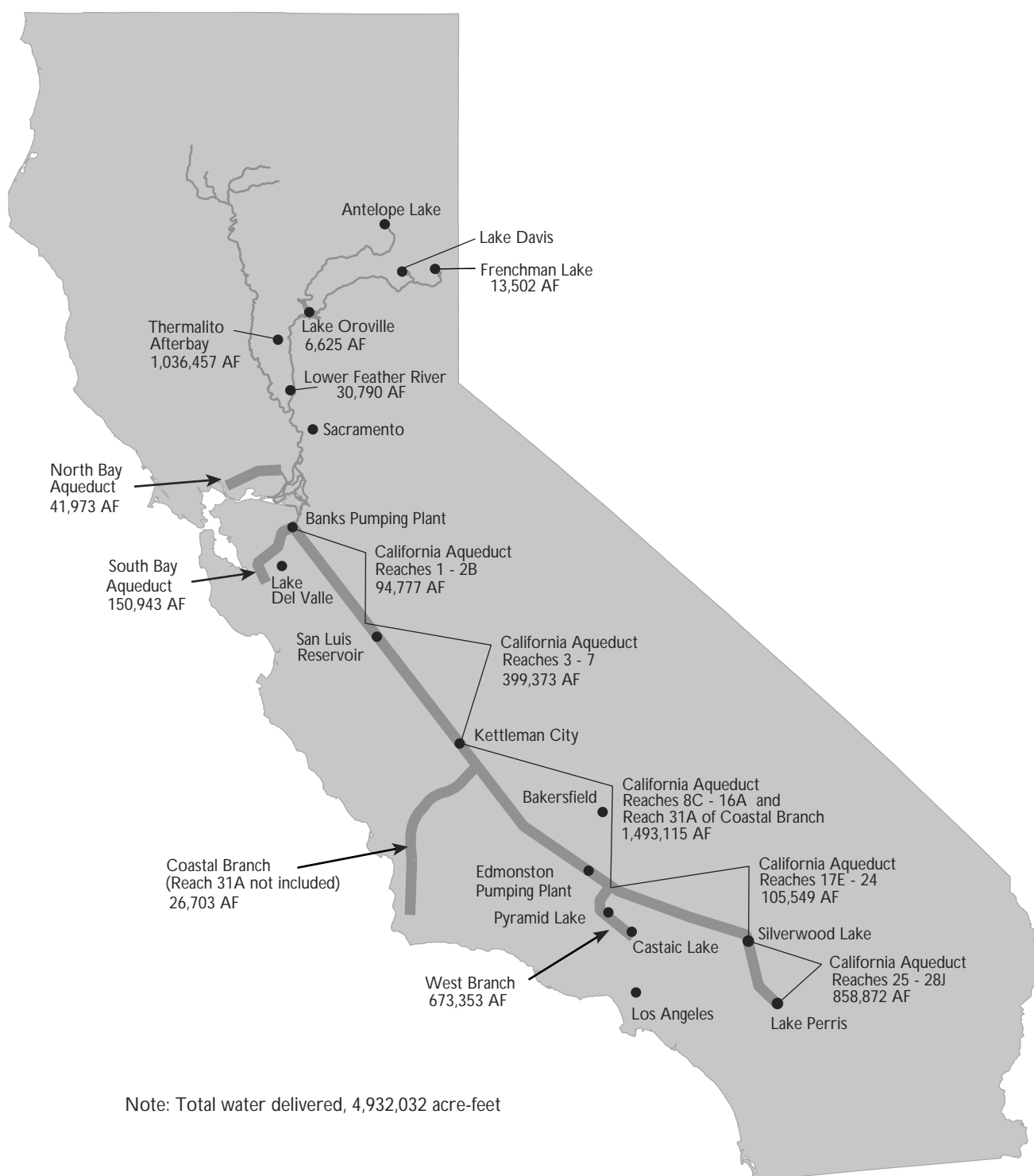


Figure 9-1. Water Delivered in 2000 and Delivery Locations of Long-Term Water Supply Contractors and Feather River Area Districts with Water Right Agreements with the Department

Table 9-1. Water Delivered to Long-Term Contractors through 2000, by Service Area (Acre-feet)

Water Contractor or Agency	Water Deliveries in 2000													
	Annual Table A Water Deliveries													
	2000 Table A without Transfers, Exchanges, and Storage (1)	2000 Table A Delivered through Transfers and Exchanges (2)	2000 Table A Delivered to Storage (3)	Pool Water (4)	Total 2000 Table A Delivered (5)	1999 Carryover Table A Delivered during 2000 (6)	Makeup Water Per Article 14(b) (7)	Total Table A Delivered (8)	2000 Article 21 Water (9)	2000 Article 54 Flexible Payback (10)	2000 Article 54 Flexible Withdrawal (11)	Total SWP Water Delivered (12)	Non-SWP Water Deliveries (13)	Total Deliveries (14)
Feather River Area														
County of Butte	586	0	0	0	586	0	0	586	0	0	0	586	0	586
Plumas County FCWCD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
City of Yuba City	901	0	0	0	901	0	0	901	0	0	0	901	0	901
North Bay Area														
Napa County FCWCD	3,136	0	0	0	3,136	1,525	0	4,661	297	0	0	4,958	0	4,958
Solano County WA	30,637	0	0	0	30,637	1,417	0	32,054	1,040	0	0	33,094	3,921	37,015
South Bay Area														
Alameda County FCWCD-Zone 7	33,677	0	20,200	0	53,877	0	0	53,877	3,740	0	0	57,617	10,967	68,584
Alameda County WD	22,598	0	11,000	0	33,598	0	0	33,598	2,380	0	0	35,978	5,364	41,342
Santa Clara Valley WD	60,433	0	10,000	0	70,433	13,174	0	83,607	18,381	0	0	101,988	0	101,988
San Joaquin Valley Area														
Castaic Lake WA	8,395	1,200 ^a	0	0	9,595	0	0	9,595	0	0	0	9,595	0	9,595
County of Kings	3,600	0	0	0	3,600	0	0	3,600	0	0	0	3,600	0	3,600
Dudley Ridge WD	38,507	0	0	12,193	50,700	719	0	51,419	7,454	0	0	58,873	0	58,873
Empire West Side ID	1,271	0	0	0	1,271	0	0	1,271	528 ^b	0	0	1,799	0	1,799
Kern County WA	316,063	247,763 ^c	286,501	233,202	1,083,529	14,693 ^d	0	1,098,222	78,908	0	0	1,177,130	48,108 ^e	1,225,238
Oak Flat WD	4,494	0	0	0	4,494	14	0	4,508	0	0	0	4,508	0	4,508
Tulare Lake Basin WSD	75,095	24,066 ^f	0	27,073	126,234	15,827	0	142,061	56,818	0	0	198,879	9,981 ^g	208,860
Central Coastal Area														
San Luis Obispo County FCWCD	3,962 ^h	0	0	0	3,962	0	0	3,962	0	0	0	3,962	0	3,962
Santa Barbara County FCWCD	22,741	0	0	0	22,741	0	0	22,741	0	0	0	22,741	0	22,741
Southern California														
Antelope Valley-East Kern WA	78,575 ⁱ	1,361 ^j	0	0	79,936	0	0	79,936	0	0	0	79,936	0	79,936
Castaic Lake WA	31,085	0	0	0	31,085	0	0	31,085	0	0	2,589	33,674	0	33,674
Coachella Valley WD	20,790	0	0	3,713	24,503	0	0	24,503	17,820	0	0	42,323	0	42,323
Crestline-Lake Arrowhead WA	1,194	0	0	0	1,194	0	0	1,194	0	0	0	1,194	264	1,458
Desert WA	34,290	0	0	6,124	40,414	0	0	40,414	17,820	0	0	58,234	0	58,234
Littlerock Creek ID	0	5,002 ^k	0	0	5,002	0	0	5,002	0	0	0	5,002	0	5,002
Metropolitan WD	1,092,181	20,000 ^l	133,207	0	1,245,388	169,529	0	1,414,917	103,124	3,471 ^m	8,181	1,529,693	0	1,529,693
Mojave WA	7,774	2,245 ⁿ	0	0	10,019	0	0	10,019	0	0	0	10,019	0	10,019
Palmdale WD	8,221	0	0	0	8,221	839	0	9,060	0	0	0	9,060	0	9,060
San Bernardino Valley MWD	18,399	0	0	0	18,399	0	0	18,399	0	0	0	18,399	0	18,399
San Gabriel Valley MWD	14,000	665 ^o	0	0	14,665	0	0	14,665	475	0	0	15,140	0	15,140
San Geronio Pass WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ventura County FCD	4,050	0	0	0	4,050	0	0	4,050	0	0	0	4,050	0	4,050
Total	1,936,655	302,302	460,908	282,305	2,982,170	217,737	0	3,199,907	308,785	3,471	10,770	3,522,933	78,605	3,601,538

^aTransfer approved Table A water to WWD

^bUnscheduled water.

^cIncludes deliveries of 24,870 acre-feet exchange approved Table A water from Metropolitan WDSC; 72,280 acre-feet approved Table A transfer water to the Bureau; 35,847 acre-feet transfer approved Table A water to WWD; and 114,766 acre-feet exchange approved Table A water to WWD.

^dIncludes delivery of 1,500 acre-feet of carryover approved Table A water from Dudley Ridge WD.

^eIncludes 23,941 acre-feet from the Bureau and 24,167 acre-feet from WWD.

^fIncludes deliveries of 400 acre-feet exchange approved Table A from Kern County WA; 166 acre-feet exchange Table A water from Dudley Ridge WD; 3,000 acre-feet transfer Table A water to WWD; and 20,500 acre-feet exchange Table A water to WWD.

^gIncludes 7,000 acre-feet from Arvin-Edison Water Storage District and 2,981 acre-feet from WWD.

^hIncludes delivery of 23 acre-feet of approved Table A advance water.

ⁱIncludes delivery of 5,904 acre-feet of approved Table A advance water.

^jTransferred approved Table A water from Mojave WA.

^kIncludes 4,829 acre-feet of approved Table A and 173 acre-feet of approved Table A advance water from AVEK.

^lExchange approved Table A water to WWD.

^mArticle 54 flexible payback is not counted toward SWP deliveries.

ⁿExchange approved Table A water from Solano County WA.

^oExchange carryover approved Table A water from Dudley Ridge WD.

Table 9-2. Water Delivered in 2000, by Month

Contracting Agency and Type of Service	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	2000 Total Deliveries	2000 Contract Table A
Feather River Area														
City of Yuba City														
Approved Table A water	0	0	0	0	0	0	427	474	0	0	0	0	901	9,600
Pool A water sale *	0	3,300	0	0	0	0	0	0	0	0	0	0	3,300	
Pool B water sale *	0	0	3,840	0	0	0	0	0	0	0	0	0	3,840	
Agency Total (* excluded water)	0	0	0	0	0	0	427	474	0	0	0	0	901	
County of Butte														
Approved Table A water	89	158	186	119	2	3	16	4	3	4	1	1	586	2,890
Pool A water sale *	0	645	0	0	0	0	0	0	0	0	0	0	645	
Pool B water sale *	0	0	1,156	0	0	0	0	0	0	0	0	0	1,156	
Agency Total (* excluded water)	89	158	186	119	2	3	16	4	3	4	1	1	586	
Plumas County Flood Control and Water Conservation District														
Approved Table A water	0	0	0	0	0	0	0	0	0	0	0	0	0	1,510
Recreation/Fish and Wildlife														
Recreation/fish and wildlife water	0	0	0	0	0	0	1	0	0	0	0	0	1	
Last Chance Creek Water District														
Regulated delivery of local supply	0	0	0	190	2,729	3,370	3,088	3,080	845	200	0	0	13,502	
Thermalito Irrigation District														
Regulated delivery of local supply	90	71	115	183	227	362	393	381	272	171	110	103	2,478	
Oroville-Wyandotte Irrigation District														
Regulated delivery of local supply	184	61	101	283	745	1,060	1,060	1,140	1,060	556	171	204	6,625	
Western Canal Water District														
Regulated delivery of local supply	7,051	0	0	6,999	53,007	52,084	61,468	43,903	10,169	30,335	27,795	20,624	313,435	
Joint Water Districts Board														
Regulated delivery of local supply	32,580	0	0	24,400	114,229	113,500	126,520	108,840	50,690	37,118	56,190	55,890	719,957	
Oswald Water District														
Regulated delivery of local supply	0	0	0	0	143	174	190	39	0	0	0	0	546	
Tudor Mutual Water Company														
Regulated delivery of local supply	0	0	0	48	801	1,245	1,214	300	606	66	0	0	4,280	
Garden Highway Mutual Water Company														
Regulated delivery of local supply	0	0	0	954	2,482	3,460	3,667	2,603	840	0	0	0	14,006	
Plumas Mutual Water Company														
Regulated delivery of local supply	0	0	0	971	1,809	2,429	2,388	866	2,199	395	0	0	11,057	
SWP	89	158	186	119	2	3	444	478	3	4	1	1	1,488	
Non-SWP	39,905	132	216	34,028	176,172	177,684	199,988	161,152	66,681	68,841	84,266	76,821	1,085,886	
Feather River Area Total	39,994	290	402	34,147	176,174	177,687	200,432	161,630	66,684	68,845	84,267	76,822	1,087,374	14,000
North Bay Area														
Napa County Flood Control and Water Conservation District														
Approved Table A water	0	0	0	102	220	250	252	337	397	173	488	917	3,136	16,325
Article 12(e) carryover approved water	726	799	0	0	0	0	0	0	0	0	0	0	1,525	
Article 21 water	0	0	297	0	0	0	0	0	0	0	0	0	297	
Agency Total	726	799	297	102	220	250	252	337	397	173	488	917	4,958	
Solano County Water Agency														
Approved Table A water	1,577	1,178	0	318	1,880	3,724	5,018	4,669	5,015	3,772	1,530	1,956	30,637	39,620
Article 21 water	0	0	1,040	0	0	0	0	0	0	0	0	0	1,040	
Article 56(c) extended carryover	1,417	0	0	0	0	0	0	0	0	0	0	0	1,417	
Vallejo Permit water	157	144	0	235	327	437	478	483	1,095	158	145	262	3,921	
Exchange approved water to Mojave Water Agency *	0	0	0	0	0	0	0	0	0	0	1,205	1,040	2,245	
Agency Total (* excluded water)	3,151	1,322	1,040	553	2,207	4,161	5,496	5,152	6,110	3,930	1,675	2,218	37,015	
SWP	3,720	1,977	1,337	420	2,100	3,974	5,270	5,006	5,412	3,945	2,018	2,873	38,052	
Non-SWP Total	157	144	0	235	327	437	478	483	1,095	158	145	262	3,921	
North Bay Area Total	3,877	2,121	1,337	655	2,427	4,411	5,748	5,489	6,507	4,103	2,163	3,135	41,973	55,945
South Bay Area														
Alameda County Flood Control and Water Conservation District, Zone 7														
Approved Table A water	285	0	0	890	6,876	13,072	14,176	6,164	4,909	3,596	1,910	1,999	53,877	68,000
Article 21 water	0	1,340	2,400	0	0	0	0	0	0	0	0	0	3,740	
General Conveyance	0	0	0	0	0	0	0	1,000	0	0	0	0	1,000	
Local water	1,788	1,690	2,193	2,997	359	166	77	233	215	118	0	131	9,967	
Agency Total	2,073	3,030	4,593	3,887	7,235	13,238	14,253	7,397	5,124	3,714	1,910	2,130	68,584	
Alameda County Water District														
Approved Table A water	1,748	0	0	0	2,111	6,622	9,028	3,607	4,268	2,535	1,132	2,547	33,598	42,000
Article 21 water	0	880	1,500	0	0	0	0	0	0	0	0	0	2,380	
Local Water	0	1,541	1,804	1,988	31	0	0	0	0	0	0	0	5,364	
Agency Total	1,748	2,421	3,304	1,988	2,142	6,622	9,028	3,607	4,268	2,535	1,132	2,547	41,342	
Santa Clara Valley Water District														
Approved Table A water	0	0	0	6,627	6,846	8,067	8,020	8,636	16,269	5,116	4,576	6,276	70,433	100,000

Table 9-2. Water Delivered in 2000, by Month (Continued)

Sheet 2 of 5

Contracting Agency and Type of Service	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	2000 Total Deliveries	2000 Contract Table A
Article 21 water	0	5,664	12,717	0	0	0	0	0	0	0	0	0	18,381	
Article 56(c) extended carryover	7,760	5,414	0	0	0	0	0	0	0	0	0	0	13,174	
Agency Total	7,760	11,078	12,717	6,627	6,846	8,067	8,020	8,636	16,269	5,116	4,576	6,276	101,988	
Recreation/Fish and Wildlife														
Recreation/fish and wildlife water	4	2	4	10	15	15	29	24	0	28	6	8	145	
SWP	9,797	13,300	16,621	7,527	15,848	27,776	31,253	18,431	25,446	11,275	7,624	10,830	195,728	
Non-SWP	1,788	3,231	3,997	4,985	390	166	77	1,233	215	118	0	131	16,331	
South Bay Area Total	11,585	16,531	20,618	12,512	16,238	27,942	31,330	19,664	25,661	11,393	7,624	10,961	212,059	210,000
San Joaquin Valley Area														
Castaic Lake Water Agency														
Approved Table A water	1,675	1,252	1,064	1,614	226	614	1,020	902	22	0	0	6	8,395	12,700
Transfer approved water to Westlands *	0	0	0	0	0	0	1,200	0	0	0	0	0	1,200	
Agency Total (* excluded water)	1,675	1,252	1,064	1,614	226	614	1,020	902	22	0	0	6	8,395	
County of Kings														
Approved Table A water	0	0	0	400	400	400	400	400	0	500	600	500	3,600	4,000
Dudley Ridge Water District														
Approved Table A water	494	877	0	4,309	5,557	9,546	9,607	1,704	3,532	1,940	409	532	38,507	53,370
Article 21 water	0	2,671	4,783	0	0	0	0	0	0	0	0	0	7,454	
Article 56(c) extended carryover	719	0	0	0	0	0	0	0	0	0	0	0	719	
Pool A water	0	0	0	0	0	0	3,113	502	0	0	0	0	3,615	
Pool B water	0	0	0	0	0	0	0	8,578	0	0	0	0	8,578	
Exchange carryover approved water to San Gabriel WA *	665	0	0	0	0	0	0	0	0	0	0	0	665	
Transfer carryover approved water to Kern Co. WVA *	0	1,500	0	0	0	0	0	0	0	0	0	0	1,500	
Transfer approved water to Tulare Lake Basin WSD *	0	0	0	0	0	0	0	0	166	0	0	0	166	
Agency Total (* excluded water)	1,213	3,548	4,783	4,309	5,557	9,546	12,720	10,784	3,532	1,940	409	532	58,873	
Empire West Side Irrigation District														
Approved Table A water	0	0	373	549	0	0	0	0	0	0	185	164	1,271	3,000
Unscheduled water	0	528	0	0	0	0	0	0	0	0	0	0	528	
Agency Total	0	528	373	549	0	0	0	0	0	0	185	164	1,799	
Kern County Water Agency														
Approved Table A water	6,151	21,716	20,283	61,658	94,243	172,025	91,963	61,370	35,156	22,644	8,207	7,148	602,564	1,020,730
Article 21 water	0	37,227	41,681	0	0	0	0	0	0	0	0	0	78,908	
Article 56(c) extended carryover	7,320	5,873	0	0	0	0	0	0	0	0	0	0	13,193	
Pool A water	0	0	0	10,000	12,100	0	17,926	22,274	500	6,345	0	0	69,145	
Pool B water	0	0	0	0	0	12,290	89,144	61,082	1,541	0	0	0	164,057	
Exchange approved water from MWD	0	0	0	0	0	0	0	16,208	8,662	0	0	0	24,870	
Transfer carryover approved water from Dudley Ridge WD	0	1,500	0	0	0	0	0	0	0	0	0	0	1,500	
Exchange water from the Bureau	0	0	0	0	0	0	0	0	0	0	14,205	9,736	23,941	
Exchange water from Westlands Water District	11,570	8,430	0	4,167	0	0	0	0	0	0	0	0	24,167	
Transfer approved water to Tulare Lake Basin WSD *	0	0	0	0	0	0	0	400	0	0	0	0	400	
Exchange approved water to Westlands Water District *	0	0	0	0	10,000	23,061	0	56,067	14,967	2,794	4,500	3,377	114,766	
Exchange banked approved water to the Bureau *	0	0	0	0	0	0	44,000	19,000	9,280	0	0	0	72,280	
Transfer approved water to Westlands *	0	0	0	0	0	0	18,500	17,347	0	0	0	0	35,847	
Agency Total (* excluded water)	25,041	74,746	61,964	75,825	106,343	184,315	199,033	160,934	45,859	28,989	22,412	16,884	1,002,345	
Oak Flat Water District														
Approved Table A water	0	0	108	569	657	945	996	528	366	281	5	39	4,494	5,700
Article 12(e) carryover approved water	14	0	0	0	0	0	0	0	0	0	0	0	14	
Agency Total	14	0	108	569	657	945	996	528	366	281	5	39	4,508	
Tulare Lake Basin Water Storage District														
Approved Table A water	0	0	0	7,697	2,357	11,786	1,394	5,481	8,858	4,042	10,463	23,017	75,095	118,500
Article 12(e) carryover approved water	10,452	5,375	0	0	0	0	0	0	0	0	0	0	15,827	
Article 21 water	0	18,927	37,881	0	0	0	0	0	0	0	0	0	56,818	
Pool A water	0	0	0	0	0	0	8,027	0	0	0	0	0	8,027	
Pool B water	0	0	0	0	0	0	4,622	14,424	0	0	0	0	19,046	
Transfer approved water from Kern County WA	0	0	0	0	0	0	200	200	0	0	0	0	400	
Transfer approved water from Dudley Ridge WD	0	0	0	0	0	0	0	0	166	0	0	0	166	
Exchange CVP water from Arvin-Edison Water Storage District	5,306	1,694	0	0	0	0	0	0	0	0	0	0	7,000	
Exchange CVP water from Westlands Water District	0	0	0	0	0	0	0	0	0	0	0	2,981	2,981	
Exchange approved water to Westlands Water District *	0	0	0	0	0	0	20,500	0	0	0	0	0	20,500	
Transfer approved water to Westlands Water District *	0	0	0	0	0	0	2,000	1,000	0	0	0	0	3,000	
Agency Total (* excluded water)	15,758	26,006	37,881	7,697	2,357	11,786	14,243	20,105	9,024	4,042	10,463	25,998	185,360	
Westlands Water District														
Transfer approved water from Kern County WA	0	0	0	0	0	0	18,500	17,347	0	0	0	0	35,847	
Transfer approved water from Tulare Lake Basin WSD	0	0	0	0	0	0	2,000	1,000	0	0	0	0	3,000	

Table 9-2. Water Delivered in 2000, by Month (Continued)

Contracting Agency and Type of Service	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	2000 Total Deliveries	2000 Contract Table A
Transfer approved water from Castaic Lake WA	0	0	0	0	0	0	1,200	0	0	0	0	0	1,200	
Exchange approved water from Kern County WA	0	0	0	0	10,000	23,061	0	56,067	14,967	2,794	4,500	3,377	114,766	
Exchange approved water from MWD	0	0	0	0	0	0	1,843	15,867	1,968	322	0	0	20,000	
Exchange approved water from Tulare Lake Basin WSD	0	0	0	0	0	0	20,500	0	0	0	0	0	20,500	
Transfer CVP water from Lower Tule River	0	5,237	7,273	1,500	0	0	6,270	4,517	125	1,086	0	0	26,008	
Transfer CVP water from Pixley ID	0	0	9,704	3,000	0	0	6,270	4,517	125	1,088	0	0	24,704	
Transfer CVP water from Kern-Tulare WD	0	0	17,545	4,500	0	0	10,971	7,906	220	3,903	0	0	45,045	
Transfer CVP water from Rag Gulch WD	0	0	4,676	1,000	0	0	2,612	1,882	52	456	0	0	10,678	
Transfer CVP water from Co. of Fresno	0	2,100	0	0	0	0	0	0	0	0	0	0	2,100	
Exchange water to Kern County WA *	11,570	8,430	0	4,167	0	0	0	0	0	0	0	0	24,167	
Exchange water to Tulare Lake Basin WSD *	0	0	0	0	0	0	0	0	0	0	0	2,981	2,981	
Agency Total (* excluded water)	0	7,337	39,198	10,000	10,000	23,061	70,166	109,103	17,457	9,649	4,500	3,377	303,848	
Recreation/Fish and Wildlife														
Department of Fish and Game	39	41	42	38	69	116	116	94	30	55	63	50	753	
Department of Parks and Recreation	2	1	2	7	2	12	13	25	11	4	0	2	81	
Total	41	42	44	45	71	128	129	119	41	59	63	52	834	
SWP	26,866	95,998	106,217	86,841	125,611	230,795	272,584	284,053	75,779	38,927	24,432	34,835	1,402,938	
Non-SWP	16,876	17,461	39,198	14,167	0	0	26,123	18,822	522	6,533	14,205	12,717	166,624	
San Joaquin Valley Area subtotal	43,742	113,459	145,415	101,008	125,611	230,795	298,707	302,875	76,301	45,460	38,637	47,552	1,569,562	1,218,000
Other Non-SWP Water Conveyed														
General Conveyance to Tracy Golf and Country Club	4	0	0	0	0	0	0	20	7	1	11	11	54	
CVP Water Conveyed - Annual Contracts														
Plain View WD/ Musco Olive Products, Inc.	40	48	55	53	66	64	52	24	50	50	45	21	568	
U.S. Department of Veteran Affairs, S.J.V. National Cemetery	1	1	2	3	2	3	4	5	6	3	2	1	33	
Subtotal	41	49	57	56	68	67	56	29	56	53	47	22	601	
Cross Valley Canal Contracts														
CVP water to the Bureau's refuge from County of Tulare *	0	3,605	0	0	0	0	0	0	0	0	0	0	3,605	
CVP water to the Bureau's refuge from Hills Valley ID *	0	2,254	0	0	0	0	0	0	0	0	0	0	2,254	
CVP water to the Bureau's refuge from Tri-Valley WD *	0	775	0	0	0	0	0	0	0	0	0	0	775	
CVP water to Westlands WVD from County of Fresno *	0	2,100	0	0	0	0	0	0	0	0	0	0	2,100	
CVP water to Westlands WVD from Lower Tule River *	0	5,237	7,273	1,500	0	0	6,270	4,517	125	1,086	0	0	26,008	
CVP water to Westlands WVD from Pixley ID *	0	0	9,704	3,000	0	0	6,270	4,517	125	1,088	0	0	24,704	
CVP water to Westlands WVD from Kern-Tulare WD *	0	0	17,545	4,500	0	0	10,971	7,906	220	3,903	0	0	45,045	
CVP water to Westlands WVD from Rag Gulch WD *	0	0	4,676	1,000	0	0	2,612	1,882	52	456	0	0	10,678	
Agency Total (* excluded water)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bureau Of Reclamation														
Kern National Wildlife Refuge	0	0	0	306	363	0	0	245	3,695	5,486	4,346	2,627	17,068	
CVP water to the Bureau's refuge from County of Tulare *	0	3,605	0	0	0	0	0	0	0	0	0	0	3,605	
CVP water to the Bureau's refuge from Hills Valley ID *	0	2,254	0	0	0	0	0	0	0	0	0	0	2,254	
CVP water to the Bureau's refuge from Tri-Valley WD *	0	775	0	0	0	0	0	0	0	0	0	0	775	
Federal Conveyance	0	0	82,980	0	0	0	0	0	0	0	0	0	82,980	
Exchange banked approved water from KCWA	0	0	0	0	0	0	44,000	19,000	9,280	0	0	0	72,280	
Merced ID water	0	0	0	0	0	0	0	0	0	1,690	17,927	2,049	21,666	
Friant Water Users Authority	1,718	3,176	0	0	0	0	0	0	0	0	0	0	4,894	
Recreation/fish and wildlife water (San Luis)	31	35	37	36	57	105	106	98	32	50	52	40	679	
Exchange water from FWUA to TLBWSD *	5,306	1,694	0	0	0	0	0	0	0	0	0	0	7,000	
Exchange CVP water to KCWA *	0	0	0	0	0	0	0	0	0	0	14,205	9,736	23,941	
Subtotal (* excluded water)	1,749	9,845	83,017	342	420	105	44,106	19,343	13,007	7,226	22,325	4,716	206,201	
SWP	0	0	0	0	0	0	44,000	19,000	9,280	0	0	0	72,280	
Non-SWP	1,794	9,894	83,074	398	488	172	162	392	3,790	7,280	22,383	4,749	134,576	
San Joaquin Valley Area subtotal	1,794	9,894	83,074	398	488	172	44,162	19,392	13,070	7,280	22,383	4,749	206,856	
SWP	26,866	95,998	106,217	86,841	125,611	230,795	316,584	303,053	85,059	38,927	24,432	34,835	1,475,218	
Non-SWP	18,670	27,355	122,272	14,565	488	172	26,285	19,214	4,312	13,813	36,588	17,466	301,200	
San Joaquin Valley Area Total	45,536	123,353	228,489	101,406	126,099	230,967	342,869	322,267	89,371	52,740	61,020	53,301	1,776,418	1,218,000
Central Coastal Area														
San Luis Obispo County Flood Control and WCD														
Approved Table A water	199	264	281	331	358	397	430	435	371	331	292	250	3,939	25,000
Advanced approved water	0	0	0	0	0	0	0	0	0	0	0	23	23	
Pool A water sale *	0	8,561	0	0	0	0	0	0	0	0	0	0	8,561	
Pool B water sale *	0	0	10,000	0	0	0	0	0	0	0	0	0	10,000	
Agency Total (* excluded water)	199	264	281	331	358	397	430	435	371	331	292	273	3,962	

Table 9-2. Water Delivered in 2000, by Month (Continued)

Sheet 4 of 5

Contracting Agency and Type of Service	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	2000 Total Deliveries	2000 Contract Table A
Santa Barbara County Flood Control and WCD														
Approved Table A water	1,306	1,107	1,066	1,883	2,422	3,187	2,572	2,815	2,566	1,419	1,366	1,032	22,741	45,486
Pool B water sale *	0	0	8,392	0	0	0	0	0	0	0	0	0	8,392	
Agency Total (* excluded water)	1,306	1,107	1,066	1,883	2,422	3,187	2,572	2,815	2,566	1,419	1,366	1,032	22,741	
SWP	1,505	1,371	1,347	2,214	2,780	3,584	3,002	3,250	2,937	1,750	1,658	1,305	26,703	
Non-SWP	0	0	0	0	0	0	0	0	0	0	0	0	0	
Central Coastal Area Total	1,505	1,371	1,347	2,214	2,780	3,584	3,002	3,250	2,937	1,750	1,658	1,305	26,703	70,486
Southern California Area														
Antelope Valley-East Kern Water Agency														
Approved Table A water	2,898	2,697	3,998	5,925	8,711	10,631	11,919	11,152	8,336	5,710	694	0	72,671	138,400
Transfer approved water from Mojave Water Agency	73	62	91	147	124	143	209	162	141	108	58	43	1,361	
Advance approved water	0	0	0	0	0	0	0	0	0	0	2,597	3,307	5,904	
Transfer approved water to Littlerock Irrigation District*	0	0	0	0	0	479	945	800	872	921	812	0	4,829	
Transfer advance approved water to Littlerock Irrigation District*	0	0	0	0	0	0	0	0	0	0	53	120	173	
Pool A water sale *	0	430	0	0	0	0	0	0	0	0	0	0	430	
Pool B water sale *	0	0	46,630	0	0	0	0	0	0	0	0	0	46,630	
Agency Total (* excluded water)	2,971	2,759	4,089	6,072	8,835	10,774	12,128	11,314	8,477	5,818	3,349	3,350	79,936	
Castaic Lake Water Agency														
Approved Table A water	1,845	1,387	2,022	2,364	3,187	3,566	4,127	4,266	3,650	2,741	972	958	31,085	82,500
Article 54 Flexible storage withdrawal (Castaic Lake)	0	0	0	0	0	0	0	0	0	0	1,244	1,345	2,589	
Pool A water sale *	0	4,101	0	0	0	0	0	0	0	0	0	0	4,101	
Pool B water sale *	0	0	40,000	0	0	0	0	0	0	0	0	0	40,000	
Agency Total (* excluded water)	1,845	1,387	2,022	2,364	3,187	3,566	4,127	4,266	3,650	2,741	2,216	2,303	33,674	
Coachella Valley Water District														
Approved Table A water	963	0	0	2,202	2,503	2,502	2,753	2,502	3,713	1,704	994	954	20,790	23,100
Pool B water	0	0	0	0	0	0	0	0	0	3,713	0	0	3,713	
Article 21 water	0	5,544	12,276	0	0	0	0	0	0	0	0	0	17,820	
Agency Total	963	5,544	12,276	2,202	2,503	2,502	2,753	2,502	3,713	5,417	994	954	42,323	
Crestline-Lake Arrowhead Water Agency														
Approved Table A water	62	0	0	0	77	153	209	203	181	118	86	105	1,194	5,800
Local water	0	67	93	65	39	0	0	0	0	0	0	0	264	
Pool A water sale *	0	750	0	0	0	0	0	0	0	0	0	0	750	
Pool B water sale *	0	0	2,320	0	0	0	0	0	0	0	0	0	2,320	
Agency Total (* excluded water)	62	67	93	65	116	153	209	203	181	118	86	105	1,458	
Desert Water Agency														
Approved Table A water	3,175	0	0	3,457	4,145	4,147	4,562	4,146	4,146	2,707	2,707	1,098	34,290	38,100
Article 21 water	0	5,544	12,276	0	0	0	0	0	0	0	0	0	17,820	
Pool B water	0	0	0	0	0	0	0	0	0	6,124	0	0	6,124	
Agency Total	3,175	5,544	12,276	3,457	4,145	4,147	4,562	4,146	4,146	8,831	2,707	1,098	58,234	
Littlerock Creek Irrigation District														
Approved Table A water	0	0	0	0	0	0	0	0	0	0	0	0	0	2,300
Transfer approved water from Antelope Valley-East Kern WA	0	0	0	0	0	479	945	800	872	921	812	0	4,829	
Transfer advance approved water from Antelope Valley-East Kern WA	0	0	0	0	0	0	0	0	0	0	53	120	173	
Agency Total	0	0	0	0	0	479	945	800	872	921	865	120	5,002	
Metropolitan Water District of Southern California														
Approved Table A water	0	0	0	135,953	104,298	125,421	134,856	137,539	132,651	149,405	152,228	153,037	1,225,388	2,011,500
Article 12(e) carryover approved water	30,000	0	0	0	0	0	0	0	0	0	0	0	30,000	
Article 21 water	0	15,657	87,467	0	0	0	0	0	0	0	0	0	103,124	
Article 56(c) extended carryover	75,056	64,473	0	0	0	0	0	0	0	0	0	0	139,529	
Article 54 Flexible storage withdrawal (Lake Perris)	0	0	1,243	5,117	1,821	0	0	0	0	0	0	0	8,181	
General Conveyance	0	0	0	0	0	0	0	0	0	900	0	0	900	
Article 54 Flexible storage replacement with approved water (Lake Perris)*	0	0	0	0	0	3,471	0	0	0	0	0	0	3,471	
Exchange approved water to KCWA *	0	0	0	0	0	0	0	16,208	8,662	0	0	0	24,870	
Exchange approved water to Westlands *	0	0	0	0	0	0	1,843	15,867	1,968	322	0	0	20,000	
Agency Total (* excluded water)	105,056	80,130	88,710	141,070	106,119	125,421	134,856	137,539	132,651	150,305	152,228	153,037	1,507,122	
Mojave Water Agency														
Approved Table A water	499	823	1,170	216	124	224	233	235	431	1,067	997	1,755	7,774	75,800
Exchange approved water from Solano County WA	0	0	0	0	0	0	0	0	0	0	1,205	1,040	2,245	
Transfer approved water to Antelope Valley-East Kern WA *	73	62	91	147	124	143	209	162	141	108	58	43	1,361	
Pool A water sale *	0	29,000	0	0	0	0	0	0	0	0	0	0	29,000	
Pool B water sale *	0	0	28,220	0	0	0	0	0	0	0	0	0	28,220	
Agency Total (* excluded water)	499	823	1,170	216	124	224	233	235	431	1,067	2,202	2,795	10,019	
Palmdale Water District														
Approved Table A water	0	0	155	0	0	1,120	1,114	2,044	1,734	1,499	555	0	8,221	21,300
Article 56(c) extended carryover	510	329	0	0	0	0	0	0	0	0	0	0	839	
Agency Total	510	329	155	0	0	1,120	1,114	2,044	1,734	1,499	555	0	9,060	

Table 9-2. Water Delivered in 2000, by Month (Continued)

Contracting Agency and Type of Service	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	2000 Total Deliveries	2000 Contract Table A
San Bernardino Valley Municipal Water District														
Approved Table A water	1,219	526	138	46	200	1,425	2,134	2,566	2,919	2,831	2,126	2,269	18,399	102,600
Pool A water sale *	0	25,000	0	0	0	0	0	0	0	0	0	0	25,000	
Pool B water sale *	0	0	42,340	0	0	0	0	0	0	0	0	0	42,340	
Agency Total (* excluded water)	1,219	526	138	46	200	1,425	2,134	2,566	2,919	2,831	2,126	2,269	18,399	
San Gabriel Valley Municipal Water District														
Approved Table A water	0	0	0	0	0	2,307	2,469	2,448	2,369	2,510	1,897	0	14,000	28,800
Article 21 water	0	475	0	0	0	0	0	0	0	0	0	0	475	
Exchange carryover approved water from Dudley Ridge WD	665	0	0	0	0	0	0	0	0	0	0	0	665	
Pool B water sale *	0	0	11,920	0	0	0	0	0	0	0	0	0	11,920	
Agency Total (* excluded water)	665	475	0	0	0	2,307	2,469	2,448	2,369	2,510	1,897	0	15,140	
San Geronimo Pass Water Agency														
Approved Table A water	0	0	0	0	0	0	0	0	0	0	0	0	0	3,000
Pool A water sale *	0	1,500	0	0	0	0	0	0	0	0	0	0	1,500	
Pool B water sale *	0	0	1,200	0	0	0	0	0	0	0	0	0	1,200	
Agency Total (* excluded water)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ventura County Flood Control District														
Approved Table A water	154	154	154	154	154	154	154	154	1,960	548	154	156	4,050	20,000
Pool A water sale *	0	7,500	0	0	0	0	0	0	0	0	0	0	7,500	
Pool B water sale *	0	0	5,500	0	0	0	0	0	0	0	0	0	5,500	
Agency Total (* excluded water)	154	154	154	154	154	154	154	154	1,960	548	154	156	4,050	
Recreation/Fish and Wildlife														
Recreation/fish and wildlife water	70	172	98	145	202	238	491	473	324	364	121	352	3,050	
Recreation/Fish and Wildlife														
USFWS Recreation/fish and wildlife water (Pyramid Lake)	28	0	0	0	0	0	0	4	2	2	1	1	38	
SWP	117,189	97,843	121,088	155,726	125,546	152,510	166,175	168,690	163,427	182,970	169,500	166,539	1,787,203	
Non-SWP	28	67	93	65	39	0	0	4	2	2	1	1	302	
Southern California Area Total	117,217	97,910	121,181	155,791	125,585	152,510	166,175	168,694	163,429	180,972	169,501	166,540	1,787,505	2,553,200
SWP Water														
SWP Approved Table A Water														
Agriculture and M&I approved water	24,339	32,139	30,998	237,383	247,554	382,288	309,849	264,781	243,822	217,193	194,574	206,716	2,391,636	4,121,631
Advance Agriculture and M&I approved water	0	0	0	0	0	0	0	0	0	0	2,597	3,330	5,927	
Article 12(e) carryover approved water	41,192	6,174	0	0	0	0	0	0	0	0	0	0	47,366	
Article 21 water	0	93,939	214,318	0	0	0	0	0	0	0	0	0	308,257	
Article 54 Flexible storage withdrawal	0	0	1,243	5,117	1,821	0	0	0	0	0	1,244	1,345	10,770	
Article 56(c) extended carryover	92,782	76,089	0	0	0	0	0	0	0	0	0	0	168,871	
Unscheduled water	0	528	0	0	0	0	0	0	0	0	0	0	528	
Transfer approved water	73	1,562	91	147	124	622	67,054	38,509	10,459	1,029	870	43	120,583	
Transfer advance approved water from Antelope Valley-East Kern WA	0	0	0	0	0	0	0	0	0	0	53	120	173	
Exchange approved water	665	0	0	0	10,000	23,061	22,343	88,142	25,597	3,116	5,705	4,417	183,046	
Pool A water	0	0	0	10,000	12,100	0	29,066	22,776	500	6,345	0	0	80,787	
Pool B water	0	0	0	0	0	12,290	93,766	84,084	1,541	9,837	0	0	201,518	
Pool A water sale *	0	80,787	0	0	0	0	0	0	0	0	0	0	80,787	
Pool B water sale *	0	0	201,518	0	0	0	0	0	0	0	0	0	201,518	
Subtotal (approved Table A water)(* excluded water)	159,051	210,431	246,650	252,647	271,599	418,261	522,078	498,292	281,919	237,520	205,043	215,971	3,519,462	
SWP Table A-related water														
Recreation/fish and wildlife water	115	216	146	200	288	381	650	616	365	451	190	412	4,030	
Subtotal (Table A-related water)	115	216	146	200	288	381	650	616	365	451	190	412	4,030	
<i>Subtotal (SWP water)</i>	<i>159,166</i>	<i>210,647</i>	<i>246,796</i>	<i>252,847</i>	<i>271,887</i>	<i>418,642</i>	<i>522,728</i>	<i>498,908</i>	<i>282,284</i>	<i>237,971</i>	<i>205,233</i>	<i>216,383</i>	<i>3,523,492</i>	
Non-SWP Water														
Other water														
Local water	41,693	3,430	4,306	39,078	176,601	177,850	200,065	161,385	66,896	68,959	84,266	76,952	1,101,481	
Vallejo Permit Water	157	144	0	235	327	437	478	483	1,095	158	145	262	3,921	
General Conveyance	4	0	0	0	0	0	0	1,020	7	901	11	11	1,954	
USFS Recreation/fish and wildlife water (Pyramid Lake)	28	0	0	0	0	0	0	4	2	2	1	1	38	
Subtotal	41,882	3,574	4,306	39,313	176,928	178,287	200,543	162,892	68,000	70,020	84,423	77,226	1,107,394	
CVP Water														
Transferred water from CVP contractor	0	13,971	39,198	10,000	0	0	26,123	18,822	522	8,223	17,927	2,049	136,835	
Exchanged water from CVP contractor to SWP contractor	16,876	10,124	0	4,167	0	0	0	0	0	0	14,205	12,717	58,089	
Conveying CVP water Annual Contract	41	49	57	56	68	67	56	29	56	53	47	22	601	
Conveying CVP water (Kern National Wildlife Refuge - the Bureau)	0	0	0	306	363	0	0	245	3,695	5,486	4,346	2,627	17,068	
Conveying CVP water recreation/fish and wildlife water (San Luis)	31	35	37	36	57	105	106	98	32	50	52	40	679	
Federal Conveyance	1,718	3,176	82,980	0	0	0	0	0	0	0	0	0	87,874	
Subtotal (CVP water)	18,666	27,355	122,272	14,565	488	172	26,285	19,194	4,305	13,812	36,577	17,455	301,146	
<i>Total (Non-SWP water)</i>	<i>60,548</i>	<i>30,929</i>	<i>126,578</i>	<i>53,878</i>	<i>177,416</i>	<i>178,459</i>	<i>226,828</i>	<i>182,086</i>	<i>72,305</i>	<i>83,832</i>	<i>121,000</i>	<i>94,681</i>	<i>1,408,540</i>	
Grand Total	219,714	241,576	373,374	306,725	449,303	597,101	749,556	680,994	354,589	321,803	326,233	311,064	4,932,032	4,121,631

Table 9-3. Total Amounts of Annual Table A Water and Water Conveyed, by Type, 1962-00

Annual Table A Water According to Long-Term Water Supply Contract								Water Conveyed								
								Deliveries								
	Upper Feather River Area (1)	North Bay Area (2)	South Bay Area (3)	San Joaquin Valley Area (4)	Central Coastal Area (5)	Southern California Area (6)	Total (7)	Annual Table A Water (8)	Article 21 Surplus and Unscheduled Water ^a (9)	Other Water ^b (10)	Feather River Diversions ^c (11)	Wildlife/ Recreation Water (12)	Subtotal (13)	Initial Fill Water (14)	Operational Losses and Storage Changes ^d (15)	Total (16)
Year																
1962	0	0	0	0	0	0	0	0	0	18,289	0	0	18,289	9	272	18,570
1963	0	0	0	0	0	0	0	0	0	22,456	0	0	22,456	71	185	22,712
1964	0	0	0	0	0	0	0	0	0	32,507	0	0	32,507	171	152	32,830
1965	0	0	0	0	0	0	0	0	0	44,105	0	0	44,105	93	729	44,927
1966	0	0	0	0	0	0	0	0	0	67,928	0	0	67,928	0	1,746	69,674
1967	0	0	11,538	0	0	0	11,538	11,538	0	53,605	0	0	65,143	8,328	4,212	77,683
1968	550	0	109,900	77,350	0	3,700	191,500	171,709	121,534	14,777	866,926	0	1,174,946	498,926	117,906	1,791,778
1969	620	0	98,700	163,075	0	5,000	267,395	193,020	72,397	18,829	794,374	0	1,078,620	510,614	72,196	1,661,430
1970	700	0	114,200	202,000	0	5,700	322,600	233,993	133,024	38,080	759,759	0	1,164,856	23,947	2,435	1,191,238
1971	890	0	116,200	251,800	0	6,700	375,590	357,340	296,019	44,119	778,362	8	1,475,848	7,853	5,812	1,489,513
1972	970	0	118,300	413,066	0	209,423	741,759	611,801	423,964	66,638	817,398	6,489	1,926,290	100,274	53,062	2,079,626
1973	1,100	0	120,400	383,652	0	481,100	986,252	694,388	296,416	42,511	800,743	1,155	1,835,213	204,638	53,798	2,093,649
1974	1,230	0	122,400	460,650	0	597,920	1,182,200	874,077	417,676	46,224	911,613	2,118	2,251,708	237,554	10,657	2,499,919
1975	1,610	0	124,500	545,809	0	714,950	1,386,869	1,223,990	622,902	63,793	862,218	3,377	2,776,280	103,352	(94,606)	2,785,026
1976	1,990	0	126,500	543,417	0	836,480	1,508,387	1,373,002	580,110	115,217	946,440	1,745	3,016,514	61,122	(681,025)	2,396,611
1977	2,420	0	128,600	581,400	0	954,901	1,667,321	574,155	0	389,065	581,994	1,111	1,546,325	0	(131,151)	1,415,174
1978	1,850	0	130,700	635,900	0	1,049,584	1,818,034	1,452,699	16,914	121,225	786,517	1,691	2,379,046	64,443	717,370	3,160,859
1979	2,130	0	132,700	702,685	0	1,190,573	2,028,088	1,659,896	648,389	187,630	882,549	1,766	3,380,230	12,302	(83,430)	3,309,102
1980	1,810	500	134,800	758,100	1,946	1,317,614	2,214,770	1,529,749	404,557	46,459	875,045	2,131	2,857,941	0	(26,606)	2,831,335
1981	1,940	650	137,000	818,000	2,813	1,432,065	2,392,468	1,909,562	908,428	279,161	838,557	4,688	3,940,396	0	(802,263)	3,138,133
1982	1,970	800	139,200	876,500	5,626	1,550,449	2,574,545	1,750,024	215,873	154,882	776,330	4,646	2,901,755	0	480,752	3,382,507
1983	2,000	950	141,400	867,118	8,439	1,681,257	2,701,164	1,184,869	13,019	181,453	602,905	7,849	1,990,095	0	(90,997)	1,899,098
1984	3,630	1,100	143,600	979,211	12,698	1,744,098	2,884,337	1,588,619	262,917	381,024	832,332	7,040	3,071,932	0	(140,182)	2,931,750
1985	3,760	1,250	145,800	1,019,049	21,138	1,864,849	3,055,846	1,995,453	307,672	404,842	870,008	4,033	3,582,008	0	92,885	3,674,893
1986	4,190	1,400	148,100	1,091,946	28,210	1,983,890	3,257,736	1,995,636	36,620	193,606	791,737	3,865	3,021,464	0	284,380	3,305,844
1987	4,620	1,550	150,300	1,188,500	35,204	2,103,941	3,484,115	2,130,086	114,907	377,592	831,947	7,672	3,462,204	0	(390,413)	3,071,791
1988	5,060	15,471	152,500	1,246,100	43,722	2,225,482	3,688,335	2,385,122	0	507,076	794,834	4,889	3,691,921	0	(92,850)	3,599,071
1989	5,500	24,615	156,700	1,290,400	56,342	2,424,633	3,958,190	2,853,747	0	474,559	830,500	8,135	4,166,941	0	447,917	4,614,858
1990	6,040	28,190	160,900	1,313,450	70,486	2,500,600	4,079,666	2,582,151	90	424,697	875,099	9,262	3,891,299	0	(528,869)	3,362,430
1991	11,880	29,590	166,400	1,338,011	70,486	2,510,200	4,126,567	549,113	3,521	551,051	565,395	4,879	1,673,959	0	167,435	1,841,394
1992	11,920	32,010	171,900	1,342,300	70,486	2,510,200	4,138,816	1,471,454	1,156	144,789	613,978	2,605	2,233,982	0	(63,541)	2,170,441
1993	11,960	34,620	177,400	1,342,300	70,486	2,510,200	4,146,966	2,315,235	0	254,854	822,589	2,609	3,395,287	0	726,123	4,121,410
1994	12,000	37,215	182,000	1,342,300	70,486	2,510,200	4,154,201	1,749,351	112,625	236,739	874,018	8,200	2,980,933	0	(295,405)	2,685,528
1995	12,050	44,030	184,000	1,342,300	70,486	2,510,200	4,163,066	1,967,093	64,330	78,425	860,077	2,575	2,972,500	0	69,536	3,042,036
1996	12,100	48,225	186,000	1,301,630	70,486	2,492,900	4,111,341	2,514,825	28,647	251,391	934,997	3,907	3,733,767	86	491,550	4,225,403
1997	12,150	49,315	188,000	1,297,300	45,201	2,492,900	4,084,866	2,325,775	21,432	322,000	993,211	4,146	3,666,564	527	(11,806)	3,655,285
1998	12,200	50,420	188,000	1,272,300	45,201	2,517,900	4,086,021	1,725,519	20,288	134,682	872,738	2,108	2,755,335	0	(132,491)	2,622,844
1999	12,250	51,500	188,000	1,272,300	70,486	2,519,900	4,114,436	2,738,891	158,070	85,312	1,108,672	4,324	4,095,269	0	(189,525)	3,905,744
2000	14,000	55,945	210,000	1,205,300	70,486	2,565,900	4,121,631	3,200,677	308,785	332,654	1,085,886	4,030	4,932,032	0	(181,758)	4,750,274
Total	179,090	509,346	4,906,638	29,465,219	940,914	52,025,409	88,026,616	51,894,559	6,612,282	7,204,246	27,439,748	123,053	93,273,888	1,834,310	(135,808)	94,972,390

^a Values include amounts of deliveries to short-term contractors (Mustang Water District, 1970-72; Tracy Golf and Country Club, 1974, 1979, and 1980; Green Valley Water District, 1974, 1975, 1978, 1979, 1980, and 1985; Granite Construction Company, 1980).

^b Includes amounts of SWP non-Table A water and non-SWP water conveyed for SWP and non-SWP water contractors.

^c Includes amounts of water diverted under various water rights agreements.

^d Amounts reflect net effect of (1) operational losses from SWP transportation facilities; (2) changes in reservoir storage south of Delta; (3) storable local inflows to SWP reservoirs; (4) side inflow to San Luis Canal; and (5) inflow into California Aqueduct from Kern River Intertie.

water). Long-term water supply contractors who have not signed the Monterey Amendment receive unscheduled water.

Total SWP Water Delivered. Column 12 shows 3,522,933 acre-feet of total SWP water delivered in 2000. This includes total approved Table A water and Article 21 and unscheduled water.

Non-SWP Water Deliveries. Column 13 includes deliveries of nonproject water to long-term water contractors. Nonproject water is generally local 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 2000, nonproject water deliveries totaled 78,605 acre-feet.

Total Deliveries. Column 14 shows total amounts of water delivered to long-term contractors. In 2000, the SWP delivered 3,601,538 acre-feet to 27 long-term contractors. This amount included 3,199,907 acre-feet of approved Table A water, 308,785 acre-feet of Article 21 and unscheduled water, and 78,605 acre-feet of nonproject water.

Water Delivered in 2000, by Month

During 2000, the SWP provided water service to 44 agencies, including 27 long-term water contractors. Those agencies and the amounts of water delivered to them by month are listed in Table 9-2.

This section and the accompanying table summarize water deliveries for 2000. Information about those deliveries is categorized as SWP water and nonproject water.

SWP Water

SWP water delivered in 2000 is categorized as follows:

Long-term water supply contracts

Article 21
carryover Table A water

current year approved Table A amounts

flexible storage

transfer and exchange of approved Table A water

turnback pools A and B

Related water

Operational flood release

Recreation and fish and wildlife

In 2000, SWP water was delivered in the following classifications and amounts.

Approved Table A Water. A total of 2,977,570 acre-feet of 2000 approved Table A water was delivered to 27 long-term contractors and some delivered through transfers or exchanges to the Bureau and WWD. Also, 6,100 acre-feet of approved Table A advance water, 216,237 acre-feet of carryover water, and 10,770 acre-feet of flexible storage withdrawal water were delivered in 2000.

Exchanges and Transfers of Approved Table A Water. During 2000, a total of 300,892 acre-feet of approved Table A water was exchanged or transferred to SWP long-term contractors and non-SWP water agencies as follows:

- AVEK transferred 5,002 acre-feet to Littlerock
- Castaic transferred 1,200 acre-feet to WWD
- Dudley Ridge transferred 1,500 acre-feet to Kern
- Dudley Ridge exchanged 665 acre-feet with San Gabriel
- Dudley Ridge transferred 166 acre-feet to Tulare
- Kern transferred 35,847 acre-feet to WWD
- Kern exchanged 114,766 acre-feet with WWD
- Kern transferred 400 acre-feet to Tulare
- Kern exchanged 72,280 acre-feet with the Bureau

- Metropolitan exchanged 24,870 acre-feet with Kern
- Metropolitan exchanged 20,000 acre-feet with WWD
- Mojave transferred 1,361 acre-feet to AVEK
- Solano exchanged 2,245 acre-feet with Mojave
- Tulare transferred 3,000 acre-feet to WWD
- Tulare exchanged 20,500 acre-feet with WWD

1999 Carryover Approved Table A Water. In 2000, 216,237 acre-feet of 1999 approved Table A water were delivered that had been stored in SWP storage facilities in 1999; this amount does not include 1,500 acre-feet of carryover water transferred from Dudley Ridge to Kern.

Article 21 Water. The Article 21 water program allows a contractor to take delivery of water over the approved and scheduled Table A amounts for the current year. In 2000, thirteen contractors participated in the program. A total of 308,257 acre-feet of Article 21 water was delivered to Napa, Alameda-Zone 7, Alameda County, Santa Clara, Dudley Ridge, Kern, Tulare, Coachella, Desert, San Gabriel, Solano, and Metropolitan. Empire took delivery of 528 acre-feet of unscheduled water. (See page 114 for a description of the Article 21 Water Program.)

Water for Recreation and Fish and Wildlife. A total of 4,030 acre-feet of SWP water was conveyed for recreational use and enhancement of fish and wildlife.

Recreational Use. The SWP delivered 677 acre-feet of water for facilities at Lake Oroville, Lake Del Valle, O'Neill Forebay, Silverwood Lake, and Lake Perris. In addition, 2,600 acre-feet were delivered to Castaic Lake and Castaic Lagoon, an impoundment downstream from Castaic Lake devoted entirely to recreation.

Wildlife Management. The SWP delivered 753 acre-feet of water to use in managing wildlife in the Pilibos Wildlife Area, located on

about 770 acres of land near O'Neill Forebay, 40 miles south of Los Banos.

Operational Flood Release Water

There was no operational flood water released in 2000.

Non-SWP Water

In 2000, the Department 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 follows.

Alameda County Flood Control and Water Conservation District, Zone 7. Under a contract executed July 28, 1995, between the Department and Alameda-Zone 7, the Department conveyed 1,000 acre-feet of non-SWP water for Alameda-Zone 7 during 2000. The Department conveyed this water in August directly from the Delta to Reach 2 of the South Bay Aqueduct. Alameda-Zone 7 transferred this water from BBID under a separate contract.

Metropolitan Water District of Southern California. Under a letter agreement executed November 27, 2000, between the Department and Metropolitan, the Department conveyed 900 acre-feet of non-SWP water for Metropolitan during 2000. The Department conveyed this water to the Santa Margarita Water District through Metropolitan's delivery structures in Reach 26A of the California Aqueduct.

Tracy Golf and Country Club. Under an agreement dated August 25, 2000, with the Tracy Golf and Country Club, the Department conveyed 54 acre-feet of transferred CVP water to Tracy Golf and Country Club for irrigation purposes.

Central Valley Project Water. In 2000, the Department conveyed 301,146 acre-feet of CVP water through SWP facilities. Conveyance was made in accordance with agreements negotiated with the Bureau and contractors receiving water from the Bureau through the SWP as follows:

Arvin-Edison Water Storage District. An agreement between the Department and Tulare, dated December 15, 2000, approved the delivery to Tulare of 7,000 acre-feet of CVP water on behalf of AEWS. In exchange, Tulare is to return a like amount of water to AEWS from the Friant-Kern Canal. A total of 7,000 acre-feet of CVP water was conveyed to Tulare in 2000.

Bureau Level 4 Water. Between October and December 2000, the Department conveyed 21,666 acre-feet of Bureau-purchased Level 4 water to O'Neill Forebay. The water was purchased from Merced Irrigation District's Lake McClure.

Cross Valley Canal Contractors. Under five individual agreements between the Department and PID, LTRID, KTWD, RGWD, and County of Fresno, dated December 21, 1999, the Department conveyed 24,704, 26,008, 45,045, 10,678, and 2,100 acre-feet of CVP water for each district to WWD's turnouts in Reach 4 and Reach 5 of the California Aqueduct, respectively. Also, the Department conveyed for the County of Tulare, Hills Valley, and Tri Valley 3,605, 2,254, and 775 acre-feet, respectively, to the Bureau for wildlife refuge use.

Four CVP Contractors. An agreement between the Department and Kern provided for the delivery of nonproject water from four CVP contractors using 2000 CVP water supply. In exchange, Kern would return a like amount of its approved Table A water back to CVP by December 31, 2003. A total of 23,941 acre-feet of 2000 CVP water was conveyed to Kern in 2000.

Friant Water Users Authority. Under an agreement dated September 24, 1999, for 25,000 acre-feet, the Department conveyed 4,894 acre-feet of CVP water from the San Luis Canal at Kettleman City to the CVC turnout at Tupman in 2000.

Kern National Wildlife Refuge. Under Modification No. 009 to an agreement dated October 1, 1993, the Department conveyed 17,068 acre-feet of CVP water through the California Aqueduct to the Buena Vista Water Storage District for the

Kern National Wildlife Refuge. Another 679 acre-feet was conveyed for the Bureau to San Luis for wildlife use.

Musco Olive Products, Incorporated. In accordance with terms of a conveyance agreement with the Bureau, dated August 25, 2000, the Department conveyed 568 acre-feet of CVP water to Reach 2A of the California Aqueduct for Musco Olive Products, Inc.

The Bureau of Reclamation. Under an agreement, dated April 18, 2000, the Department conveyed 82,980 acre-feet of CVP water through the California Aqueduct to O'Neill Forebay to replace exports forgone at the Tracy Pumping Plant in January as a result of environmental protection action taken in 1999.

U.S. Department of Veterans Affairs. Under an annual agreement with the Bureau, dated August 25, 2000, the Department conveyed 33 acre-feet through SWP facilities to maintain the San Joaquin Valley National Cemetery near Santa Nella, California. The Department conveyed this water to Reach 2B of the California Aqueduct.

Westlands Water District. An agreement between the Department and Kern provided for the delivery of up to 20,000 acre-feet of Kern's 2000 approved Table A water to WWD, in exchange for a like amount of WWD's CVP water. A total of 20,000 acre-feet was conveyed to Kern and a total of 20,000 acre-feet was returned to WWD in 2000.

Westlands Water District. An agreement dated December 20, 2000, provided for the delivery of up to 4,167 acre-feet of Kern's 2000 approved Table A water to WWD, in exchange for a like amount of WWD's CVP water returned prior to December 2000. A total of 4,167 acre-feet was conveyed to Kern in 2000, and a total of 4,167 acre-feet was returned to WWD in 2000.

Westlands Water District. An agreement between the Department, Tulare, and WWD, provided for the delivery of up to 50,000 acre-feet of non-project water from WWD to Tulare between

December 2000 and April 15, 2001, in exchange for a like amount of Tulare's Table A water during the period from 2001 through 2003. A total of 2,981 acre-feet was delivered to Tulare in December 2000.

Floodwater. Occasionally, during wet years, the Department accepts floodwater from the Kern River into the California Aqueduct through the Kern River-California Aqueduct Intertie under an *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 2000, the Department 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 at a later time. In 2000, 1,101,481 acre-feet of water in this category were delivered to the Feather River and South Bay and Southern California areas.

Feather River Area. Nine Feather River water right settlement agencies received a total of 1,085,886 acre-feet. Those agencies are

- Last Chance Creek Water District, 13,502 acre-feet
- Thermalito Irrigation District, 2,478 acre-feet
- Oroville-Wyandotte Irrigation District, 6,625 acre-feet
- Western Canal Water District, 313,435 acre-feet
- Joint Water Districts Board, 719,957 acre-feet
- Oswald Water District, 546 acre-feet
- Tudor Mutual Water Company, 4,280 acre-feet
- Garden Highway Water Company, 14,006 acre-feet
- Plumas Mutual Water Company, 11,057 acre-feet

South Bay Area. In the South Bay area, 15,331 acre-feet of local water were 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, 264 acre-feet of local runoff from the Houston Creek watershed were stored and delivered to Crestline under local water rights. These local water rights have been signed over to the Department as part of the contractual arrangements for storing and delivering this local runoff for Crestline.

Annual Table A Water and Water Delivered Since 1962

Information about annual Table A water and water conveyed for the past 39 years is contained in Table 9-3. The following discussion of Table A water conveyed is arranged according to column numbers.

Annual Table A. Columns 1 through 7 of Table 9-3 show the amount of long-term contractor's annual Table A water by area for years 1962 through 2000 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 2000.

Article 21 Water. Article 21 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.

Column 9 shows amounts of Article 21 water, as defined under *SWP Deliveries*, and unscheduled water delivered from 1962 through 2000.

Column 10 includes amounts of water classified as other water delivered in 2000, including nonproject water conveyed through SWP facilities and regulated delivery of local supply.

In 2000, a total of 333,424 acre-feet 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 2000, a total of 1,085,886 acre-feet 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 2000, a total of 4,030 acre-feet 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 acre-feet. 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.

Information for this chapter was provided by the State Water Project Analysis Office.
