

**MWD**

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

December 4, 1992

To: Board of Directors (Water Problems Committee--Information)
From: General Manager
Subject: Water Supply Update

Report

This water supply update reflects conditions as of December 4, 1992. Attached is Water Supply Update No. 8, which graphically summarizes and supplements the information below.

Colorado River Supplies

Metropolitan has received approval from the Bureau of Reclamation to divert Colorado River water (CRW) at full aqueduct capacity in calendar year (CY) 1992. It is projected that 1,195,000 acre-feet of CRW will be diverted. For the month of November, 105,000 acre-feet were diverted. The Commissioner of Reclamation has announced that Colorado River reservoir conditions and anticipated unused apportioned water will allow Metropolitan to receive a full aqueduct supply of 1,300,000 acre-feet during CY 1993. Should use of Colorado River water in the states of Arizona, California, and Nevada exceed 7.5 million acre-feet (MAF) in 1993, compensation for overuse would be required by the end of 1996. The need for compensation will be eliminated if (1) a surplus is declared or (2) a flood control release is required.

State Water Project Supplies

Metropolitan's allocation of State project water for CY 1992 remains at 45 percent of our request, or 845,000 acre-feet. This amount includes delivery to Metropolitan of Desert Water Agency and Coachella Valley Water District entitlements. In addition, the Department of Water Resources (DWR) has delivered 81,000 acre-feet of 1991 carryover water. Metropolitan has also purchased 10,000 acre-feet of 1992 Bank water from the State for delivery in 1992. This brings our total approved supply to be delivered via State project facilities in CY 1992 to 936,000 acre-feet.

Based on our annual contractual entitlement, plus the entitlements of Desert Water Agency and Coachella Valley Water District, Metropolitan has requested 2,073,000 acre-feet of deliveries from the State Water Project for CY 1993. On December 1, 1992, DWR announced an initial approval of 10 percent of contractors' requests for delivery in 1993. While it is hoped that this amount will increase over the winter months, it is possible that the 10-percent allocation may be reduced should the 1992-93 water year remain dry, and if numerous Bay/Delta standards and endangered species restrictions are implemented. A letter dated November 20, 1992 reviewing the 1993 State project outlook and proposed restrictions by the National Marine Fisheries Service, was previously provided to your Board.

Combined Resources for 1993

The combined Colorado River Aqueduct and State Water Project resources available to Metropolitan, including 1992 entitlement water projected to be carried over to 1993, totals about 1.7 MAF compared to a projected demand between 2.0 MAF and 2.2 MAF. The shortfall may be made up by additional allocations by DWR, as occurred in 1992, purchases of bank water, elimination or reduction of some Seasonal Storage Service deliveries or the implementation of higher stages of the Incremental Interruption and Conservation Plan. These options will be more fully discussed in the January Water Supply Update to your Board.

1992 Water Supply Balance

The attached table summarizes the current water supply balance for CY 1992. The projected demands are based on adjusted information received from our member agencies. These figures are based on Stage I of the Incremental Interruption and Conservation Plan remaining in effect for the balance of CY 1992. Sufficient supplies exist to meet estimated use by the member agencies for the remainder of 1992. In addition, it is estimated that 170,000 acre-feet of unused 1992 entitlement water will be available as carryover for use in 1993. The final amount eligible for carryover into CY 1993 will depend on actual member-agency demands, as well as on deliveries to storage accounts and deliveries of water from the 1992 Water Bank.

Board Committee Assignments

This letter is an information item to the Water Problems Committee because of its authority with regard to policies, sources, and means of importing water required by the District; and policies regarding water conservation, reclamation, reuse, and underground storage of water and the use thereof, pursuant to Administrative Code, Section 2481 (a) and (i).

Recommendation

For information only.


for Carl Boronkay

AIB/KEN:eim

Attachment

CY 1992 WATER SUPPLY AND BALANCE

CY 1992 Supply

Colorado River Aqueduct	1,195,000 AF
State Water Project (1)	926,000 AF
State Bank Water	10,000 AF
Net Storage Change (2)	72,000 AF
System Losses	-52,000 AF
Local Projects Program	<u>17,000 AF</u>
 Total Supply	 2,168,000 AF

CY 1992 Demand

Projected Use (3) (4) (5)	1,998,000 AF
Projected 1993 Carryover	170,000 AF

Notes:

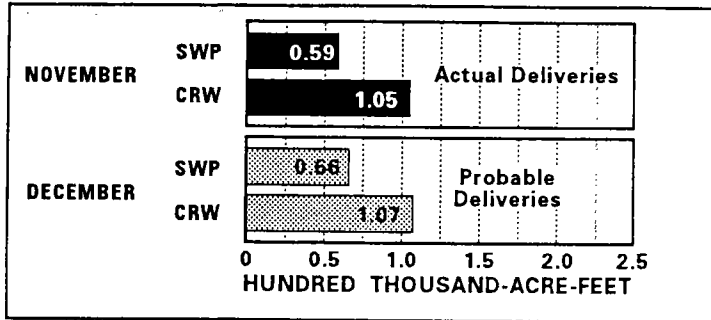
- (1) -- Includes 81,000 acre-feet of 1991 carryover water and DWCV entitlements.
- (2) -- Includes cyclic, reservoir storage, and exchange account changes.
- (3) -- Stage V effective January 1 to February 29, 1992.
-- Stage III effective March 1 to 31, 1992.
-- Stage I effective April 1 to December 31, 1992 and assumes 10 percent conservation.
- (4) -- Includes Discretionary Pool Deliveries and purchases from cyclic storage.
- (5) -- Projections based on estimates obtained from the member agencies, and actual sales through October.

WATER SUPPLY UPDATE

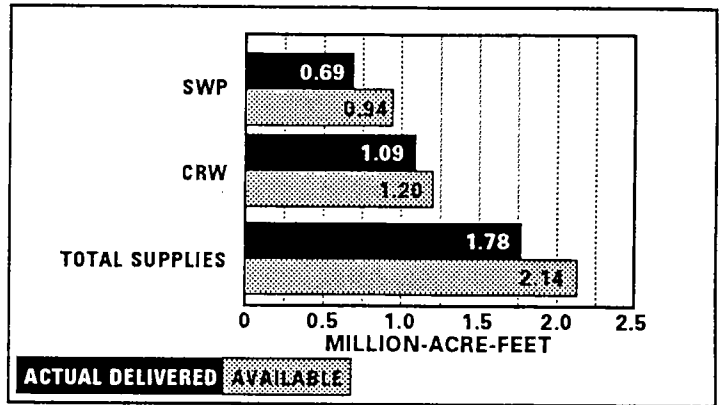
PUBLISHED MONTHLY BY THE OPERATIONS DIVISION

SUMMARY

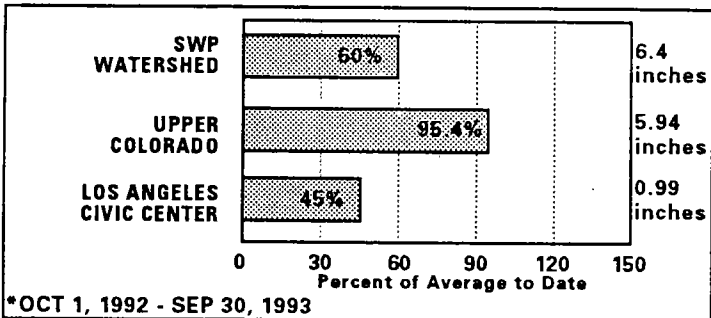
Sales for the month of November amounted to approximately 180,000 AF, which were 1,000 AF less than last year's sales. The State has announced an initial delivery approval of 10 percent of the contractors' request for CY 1993. Metropolitan's 1993 allocation is initially expected to be 207,000 AF. We remain at Stage I of the IICP, which calls for 10 percent voluntary conservation.



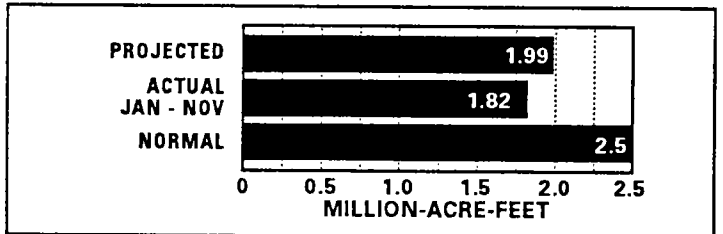
CALENDAR YEAR 1992 SUPPLIES



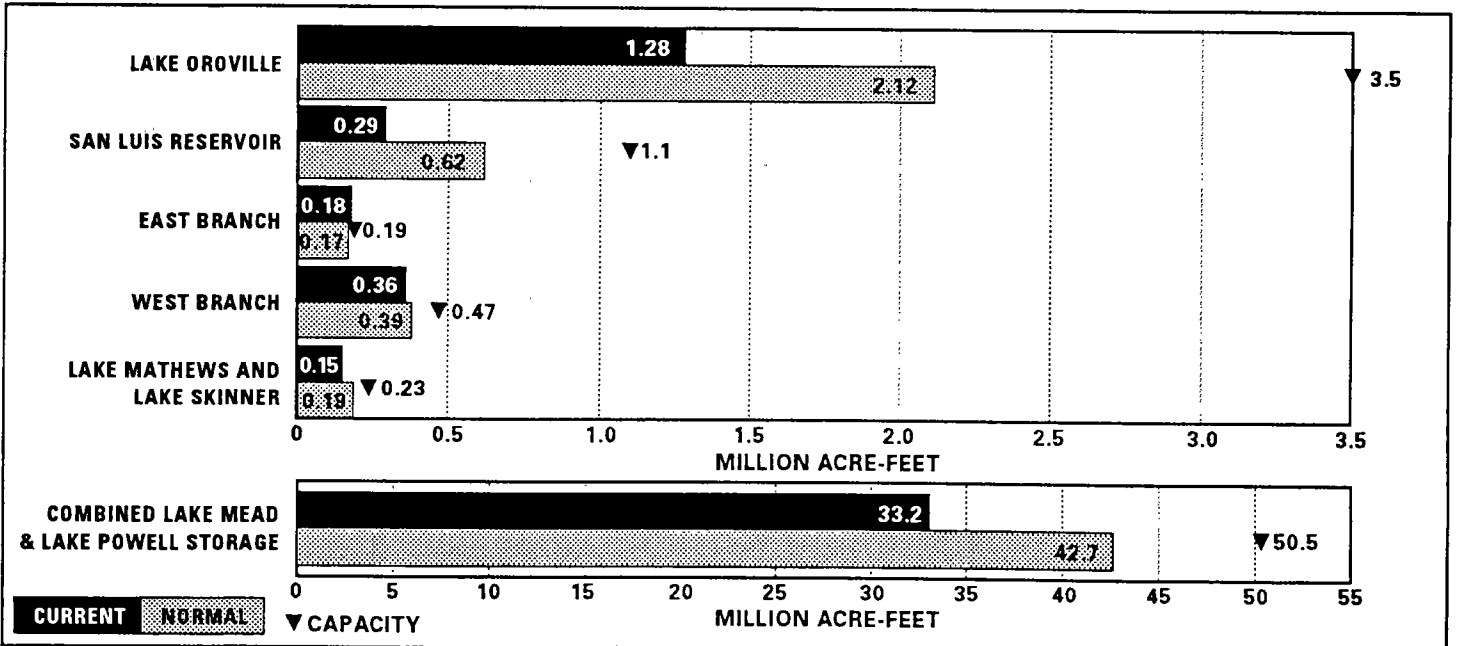
PRECIPITATION LEVELS (WATER YEAR 1993*)



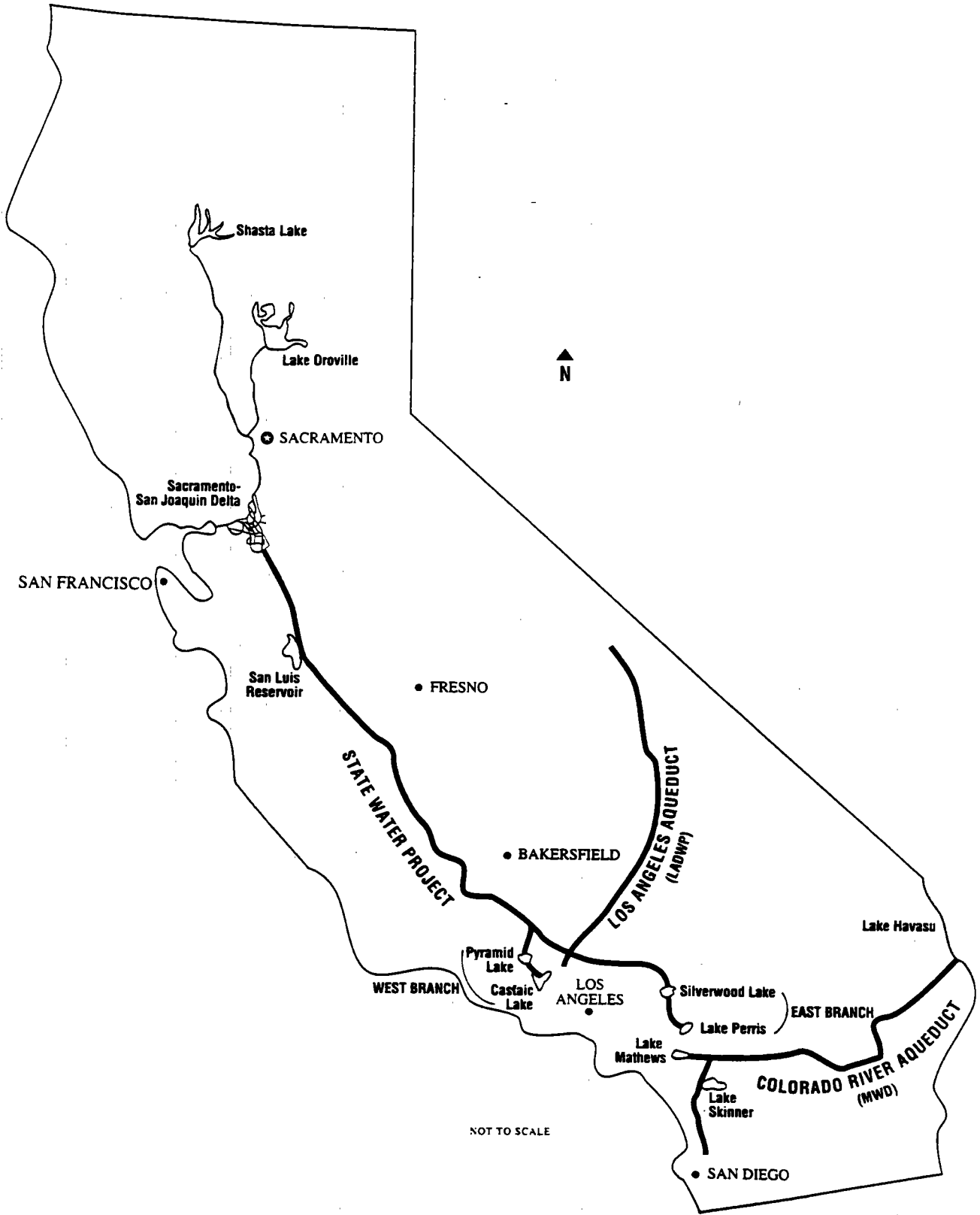
CALENDAR YEAR 1992 DEMANDS



RESERVOIR STORAGE



SWP: State Water Project, CRW: Colorado River Water





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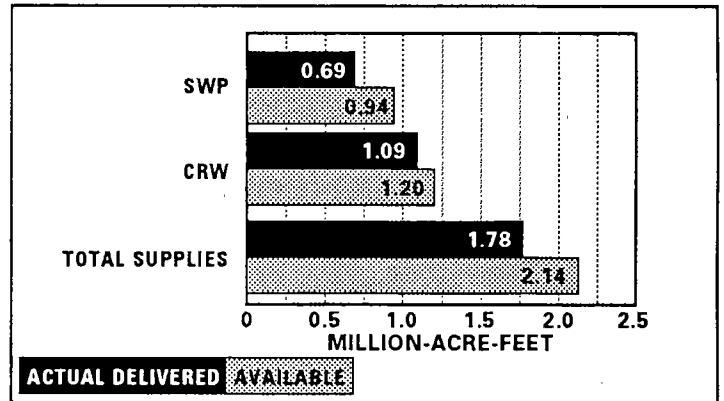
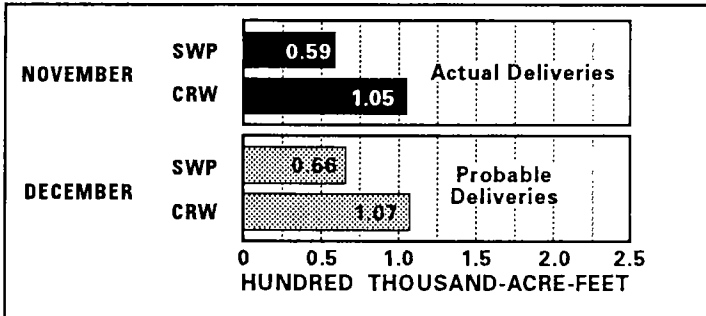
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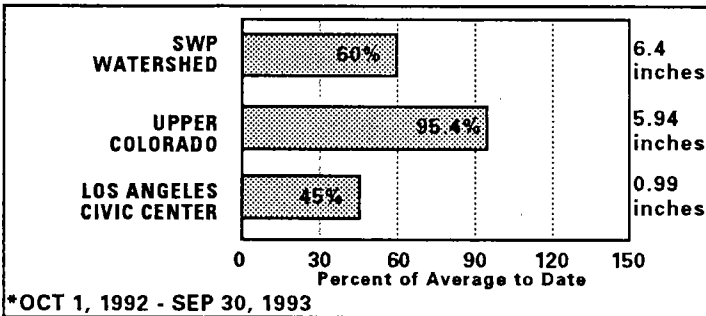
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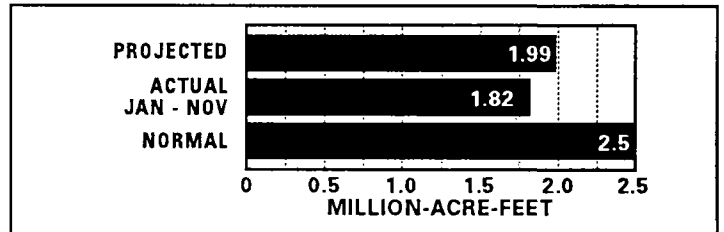
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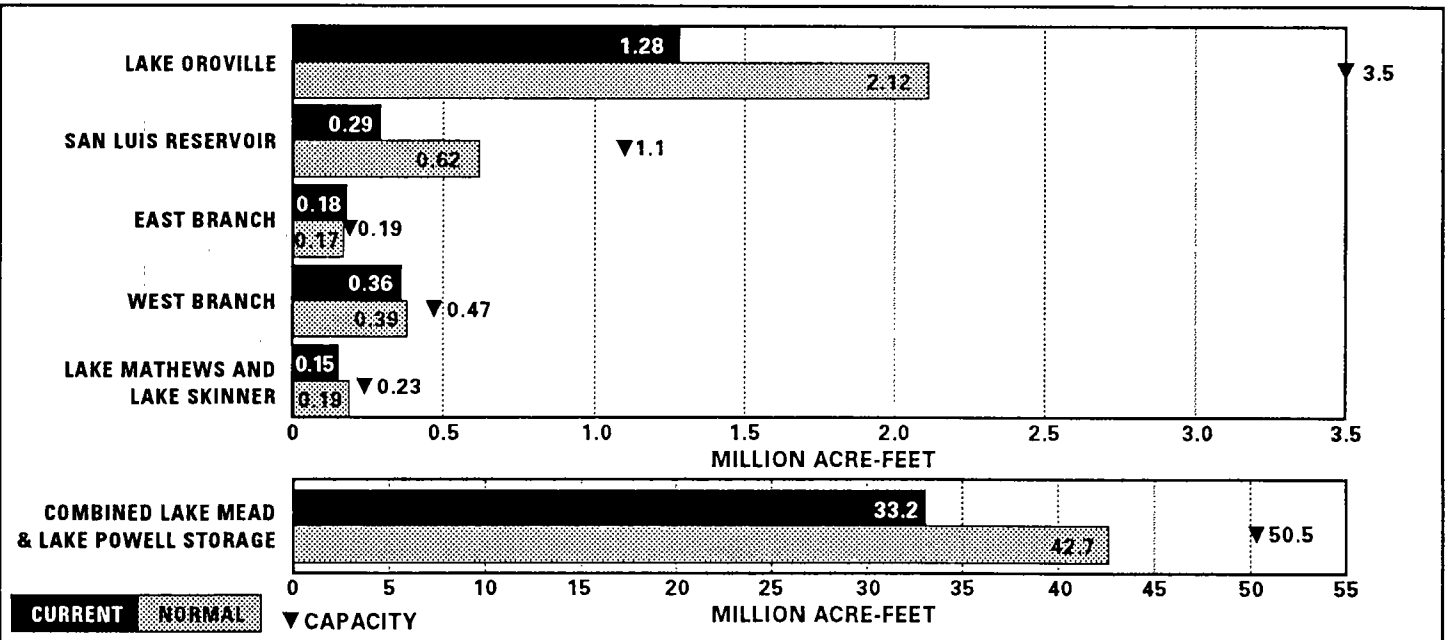
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