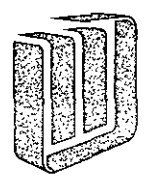


FILED by order  
of the Board of Directors of  
The Metropolitan Water District  
of Southern California  
at its meeting held JAN 14 1992  
*Karen E. Duff*  
Executive Secretary



**MWD**  
METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

December 17, 1991

To: Board of Directors (Engineering & Operations Committee--Information)  
Board of Directors (Water Problems Committee--Information)  
From: General Manager  
Subject: Chino Basin Conjunctive-Use Project

Report

Metropolitan has two water storage accounts in the Chino Groundwater Basin: a 100,000 acre-foot cyclic storage account and a trust storage account containing about 50,000 acre-feet (AF). Staff is currently evaluating the merit of modifying the trust storage account to develop a fully functional conjunctive-use project with a storage limit of 50,000 AF (map attached). This project would allow Metropolitan to store imported water during periods of availability and subsequently pump up to 30,000 AF per year into its distribution system to improve regional water service reliability during droughts and peak-demand periods.

Preliminary project features include improvements to spreading basins; development of injection/extraction wells, observation wells and connecting pipelines; and water quality mitigation through participation in locally developed groundwater treatment projects. Capital expenditures for the complete project would be approximately \$8 to \$10 million.

Spreading, injection and in-lieu deliveries would be used to replenish the conjunctive use project and Metropolitan's existing cyclic storage account. Cyclic storage allows Metropolitan to pre-deliver and store imported water for local replenishment purposes. Over the last five years of drought conditions, about 43,000 AF was withdrawn from cyclic storage benefitting Metropolitan and local basin agencies.

Extraction facilities would be located on and near the site of Metropolitan's Etiwanda Power Plant and Reservoir. Project water would be pumped into Metropolitan's Upper Feeder for delivery to the Weymouth Filtration Plant to supplement noninterruptible supplies.

Currently, Metropolitan is participating with local agencies in a task force seeking to develop an optimum Chino Basin management plan for water quantity and quality. This effort includes evaluation of conjunctive use as part of the basin plan.

Negotiations with local interests are now in progress regarding development of the proposed 50,000 AF conjunctive-use project and appropriate agreement under the Basin Judgement in Chino Basin Municipal Water District v. City of Chino. In order to effectively conduct these negotiations and to initiate the necessary environmental work, staff anticipates procuring consultant services consistent with the current budget constraints.

#### Board Committee Assignments

This letter was referred for information to:

The Water Problems Committee pursuant to Sections 2481(d) (i) of Metropolitan's Administrative Code granting it authority regarding policies dealing with the sale and delivery of water for various uses, and underground storage of water and the use thereof.

The Engineering and Operations Committee pursuant to Section 2431(c) of Metropolitan's Administrative Code granting it authority regarding facilities for the production, exchange, sale, storage, and treatment of water.

#### Recommendation

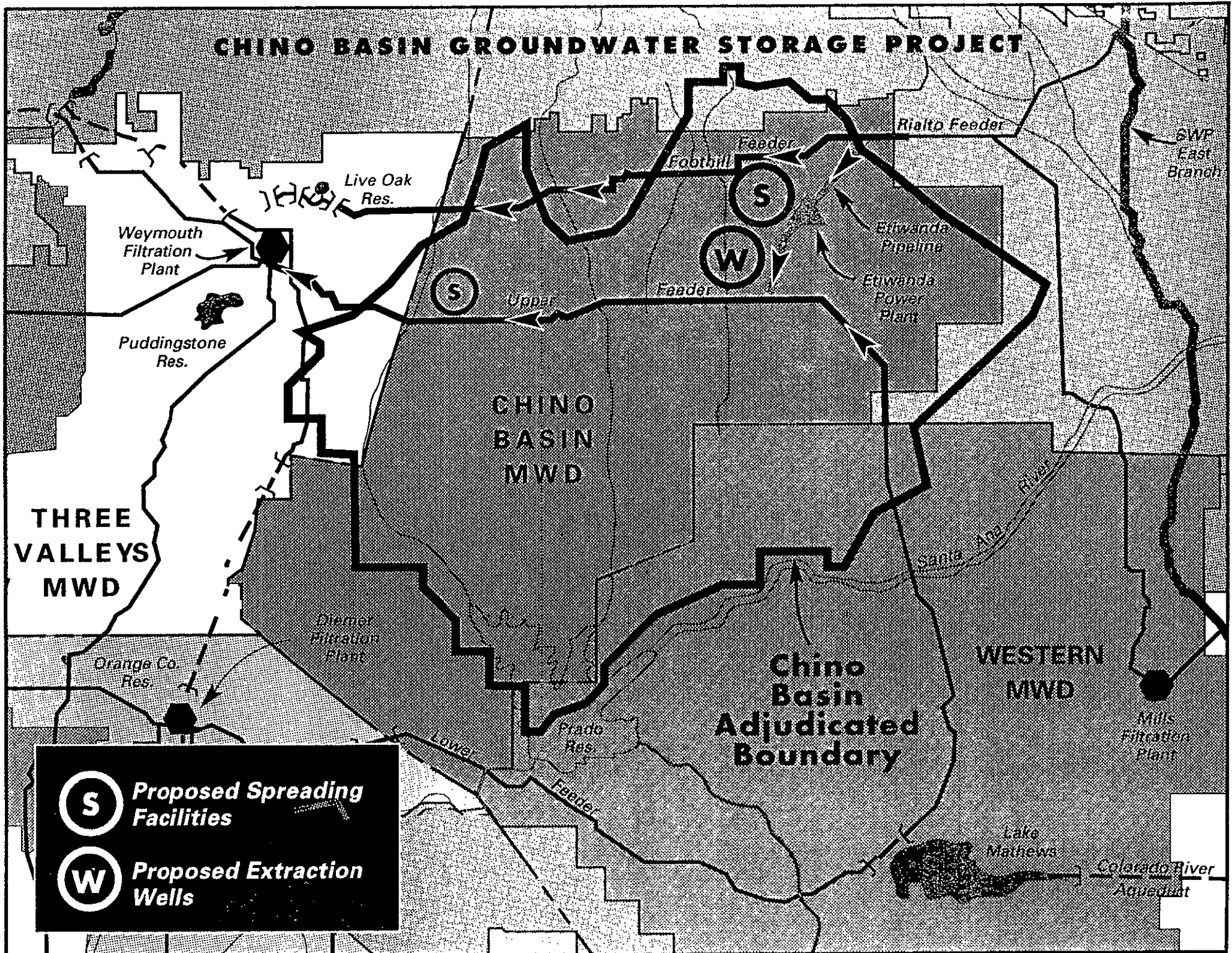
For information only.

  
for Carl Boronkay

AS:gn

Attachment

# CHINO BASIN GROUNDWATER STORAGE PROJECT



**S** Proposed Spreading Facilities

**W** Proposed Extraction Wells