

MOJAVE BASIN AREA WATERMASTER

FOR
CITY OF BARSTOW, ET AL, VS. CITY OF ADELANTO, ET AL,
CASE NO. 208568 - RIVERSIDE COUNTY

WATERMASTER:

Bill A. Christopher, Chairman
Beverly J. Lowry, Vice Chairman
Carl N. Dalton
Thomas H. Irwin
George R. Parker
John H. Russell
Peggy Sartor

Larry W. Rowe, Executive Officer
Linda Lazar, Secretary
George E. Wilson, Treasurer
William J. Brunick, Attorney
James C. Hanson, Engineer

March 31, 1995

TO: Clerk of Superior Court
of Riverside County

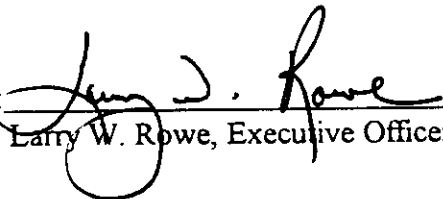
RE: Watermaster Report for Water Year 1993-94

Pursuant to Stipulated Judgment in the case of City of Barstow, et al, vs. City of Adelanto, et al, Case No. 208568 entered September 22, 1993, submitted herewith is the First Annual Report of the Mojave Basin Area Watermaster.

Paragraph 24(k) of the Judgment requires the Watermaster to file an Annual Report with the Court no later than April 1 of each year beginning April 1 following the first full year after entry of the Judgment. Accordingly, this Report dated February 28, 1995 sets forth the activities and determinations of the Watermaster for the Water Year 1993-94.

Respectfully submitted

MOJAVE BASIN AREA WATERMASTER

By: 
Larry W. Rowe, Executive Officer

WATERMASTER:

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FIRST ANNUAL REPORT

OF THE

MOJAVE BASIN AREA WATERMASTER

1993-1994

CITY OF BARSTOW, ET AL, VS. CITY OF ADELANTO, ET AL,
CASE NO. 208568 -- RIVERSIDE COUNTY

FEBRUARY 28, 1995

**FIRST ANNUAL REPORT OF THE
MOJAVE BASIN AREA WATERMASTER
1993-1994**

VOLUME I

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CHAPTER 1

INTRODUCTION

This is the First Annual Report of the Mojave Basin Area Watermaster to the Riverside County Superior Court pursuant to the Stipulated Judgment in City of Barstow, et al. vs. City of Adelanto, et al., and related cross-complaints, all of which were consolidated into Case No. 208568. The Stipulated Judgment addresses water supply shortages in the Mojave Basin Area through the creation of a Physical Solution based upon the allocation of responsibility for correction of annual overdraft and for maintaining historical average flows between Subareas.

The Stipulated Judgment requires Watermaster to file an annual report with the Court by April 1 of each year. The required contents of the annual report are set forth in Section 24(k) of the Judgment.

Scope of Report

This Report is presented in two volumes. This Volume I summarizes most of the information required by the Stipulated Judgment and includes a summary of the Watermaster Activities and Water Supply Condition for the water year 1993-1994. Volume II consists primarily of detailed supporting data. Following is a listing of the specific items required by the Judgment and where they may be found in the Report.

- a.) Fiscal Report: Volume I, Chapter 6
- b.) Review of Watermaster Activities: Volume I, Chapter 2
- c.) Replacement and Makeup Obligations: Volume I, Appendix B
- d.) Hydrologic Data: Volume I, Chapter 3
- e.) Purchase of Supplemental Water: Volume I, Chapter 6
- f.) Recharge with Supplemental Water: Volume I, Chapter 4
- g.) Notice List: Volume II
- h.) Rules and Regulations Adopted: Volume I, Chapter 2

- i.) Proposed Administrative Budget for 1995-1996: Volume I, Chapter 6
- j.) Transfers of Base Annual Production Rights: Volume II
- k.) Transfers of Free Production Allowance during 1993-1994: Volume I, Appendix E
- l.) Proposed Free Production Allowances for Subareas: Volume I, Chapter 5
- m.) Summary of Production Reports: Volume I, Appendix B and Volume II, Tables 1-7
- n.) Prior Year Replacement Water Assessments: Volume I, Appendix B
- o.) Prior Year Makeup Water Assessments: Volume I, Appendix B
- p.) Proposed Assessment Rates for 1995-1996: Volume I, Chapter 6
- q.) Assessment Rate Projections for 1996-1997 and 1997-1998: Volume I, Chapter 6
- r.) Status of Subarea Obligations: Volume I, Chapter 4
- s.) Biological Trust Fund Financial Report: Volume I, Chapter 6
- t.) Auditor's Report: Volume I, Appendix G

History of Litigation

The Complaint. The original complaint was filed by the city of Barstow and Southern California Water Company in San Bernardino County Superior Court on May 30, 1990, and was transferred to Riverside County Superior Court on November 27, 1990. The complaint alleged that the cumulative water Production upstream of the city of Barstow has overdrafted the Mojave River system, and requested an average Annual flow of 30,000 acre-feet of surface water to the City of Barstow area. The complaint also included a request for a writ of mandate to require the Mojave Water Agency ("MWA") to act pursuant to its statutory authority to obtain and provide Supplemental Water for use within the Mojave Basin Area.

The MWA Cross-Complaint. On July 26, 1991, the MWA filed its first amended cross-complaint in the case, naming substantially all Producers of water within the Mojave Basin Area, including Parties downstream of the City of Barstow. The MWA cross-complaint requested a declaration that the available native water supply to the Mojave Basin area is inadequate to meet the demands of the combined Parties and requested a determination of all of the water right production of whatever nature within the Mojave Basin Area.

The Arc Las Flores Cross-Complaint. On July 3, 1991, Arc Las Flores filed a cross-complaint asking that the appropriative, overlying and riparian rights of Arc Las Flores be determined to be prior and paramount to any rights of the Plaintiffs and other appropriators.

Negotiations. Because of the magnitude and complexity of the case, numerous parties agreed to conduct good faith negotiations, beginning in early 1992, with the objective of devising an equitable solution to the Basin Area's water supply problems and avoiding extensive and expensive litigation. In the ensuing months a committee of attorneys, engineers, and other individuals that were generally representative of all types of producers and all subareas of the Basin Area conducted intense negotiations that resulted in a proposed Stipulated Judgment. The proposal created a class of Minimal Producers (that is, Producers of ten acre-feet per year or less) who were dismissed from the case. It directed the MWA to create an administrative procedure, acceptable to the court, by which Minimal Producers could participate fairly in the Physical Solutions.

Over seventy five percent of the remaining 400 parties signed the Stipulation and it was entered by the Court on September 22, 1993, binding all stipulating parties.

Since entry of the Stipulated Judgment, additional parties have signed the Stipulation and stipulating parties currently represent over 80 percent of the verified water production. A trial of the claims of the non-stipulating parties began on February 6, 1995.

Summary of Stipulated Judgment

For purposes of defining and implementing a physical solution the Basin is considered to consist of five distinct but hydrologically interrelated "Subareas." Each Subarea was found to be in overdraft to some extent due to the use of water by all of the producers in that Subarea. In addition, historically some Subareas were found to have received at least a part of their natural water supply as water flowing to them from upstream Subareas either on the surface or as subsurface flow. To maintain that historical relationship, the average annual obligation of any Subarea to another is set equal to the estimated average annual natural flow (excluding storm flow) between the Subareas over

the sixty year period 1931-1990. If the Subarea obligation is not met, Producers in the upstream Subarea must provide makeup water.

To maintain proper water balances the Stipulated Judgment establishes a decreasing Free Production Allowance ("FPA") in each Subarea during the first five years and provides for the Court to review and adjust, as appropriate, the FPA for each Subarea annually thereafter. All water produced in excess of any Producer's share of the FPA must be replaced by the Producer.

Each producer's percentage share of FPA in a Subarea was determined by first verifying the maximum annual production (called Base Annual Production, "BAP") for each producer during the five year, 1986-90, base period and then calculating each producer's percentage share of the total of all of such BAP in the Subarea. All such percentage allocations are of equal priority.

All producers in each Subarea are allowed to produce as much water as they need to meet their requirements in the future, subject only to compliance with the Physical Solution set forth in the Stipulated Judgment. An underlying assumption of the Judgment is that sufficient water will be made available to meet the needs of the Basin in the future from a combination of natural supply, imported water, water conservation, water reuse and transfers of FPA among parties.

Special provisions for environmental protection are included in the Judgment, including the creation of a Biological Resources Trust Fund.

MWA was appointed as the initial Watermaster by the Court to administer the Judgment and the Physical Solution set forth therein.

The Physical Solution

Replacement Water: Keeping Subareas in Balance. The amount of water that may be produced in a Subarea in any year by a Producer free of any replacement obligation is that Producer's share of the Subarea's FPA. Unless amended by the Court, during the first five years that the Stipulated Judgment is in effect each Producer's share of the FPA in each of the five Subareas, expressed as a percentage of that Producer's BAP will be as follows:

Year 1	-	100 %
Year 2	-	95 %
Year 3	-	90 %
Year 4	-	85 %
Year 5	-	80 %

Before the end of the fifth year, and each year thereafter, Watermaster must analyze conditions in each Subarea and recommend to the Court any increase or further reduction in FPA. The Judgment specifies factors that must be taken into consideration by Watermaster in the development of an FPA adjustment recommendation. Beginning with the sixth year, and each year thereafter, the FPA established by the Court for each Subarea will be allocated to Producers in the ratio of their respective share of the BAP in the Subarea.

Any Producer who produces in any year an amount of water in excess of that Producer's share of the FPA for a Subarea must pay Watermaster a Replacement Water Assessment. Watermaster then assumes all responsibility for replacing such excess production. The Replacement Water Assessment for a Producer will be equal to the number of acre-feet of excess production by that Producer multiplied times the Replacement Water Assessment Rate per acre-foot as established annually by the Watermaster. It is Watermaster's responsibility to acquire Replacement Water.

Makeup Water: Meeting Subarea Obligations. Both average and minimum annual flows must be maintained between adjoining Subareas. Each year an accounting will be made of the amount of such flows. Whenever the amount is less than the minimum amount required by the Judgment the Producers in the upstream Subarea must pay Watermaster for Makeup Water to be delivered to the downstream Subarea.

If the actual flow in a year is more or less than the average Subarea Obligation then the upstream Subarea may receive a “credit” or “debit” that can offset any future deficiencies or surpluses.

The cost of Makeup Water will be recovered from Producers within the Subarea incurring the Makeup Obligation through a Makeup Water Assessment. Such assessment will be pro-rated among all production that does not bear a Replacement Obligation. It is Watermaster’s responsibility to acquire Makeup Water.

Administrative Assessment: Paying the cost to Administer the Judgment. Costs of monitoring flows, verifying annual production, collecting assessments, preparing an annual report to the Court and other such costs will be recovered through a uniform Administrative Assessment against all production within the Basin Area. The Administrative Assessment will be payable quarterly when quarterly production reports are filed.

Transfers: Buying, Selling or Leasing BAP or FPA. The Judgment provides a framework for BAP or FPA to be bought, sold or leased within Subareas and between Subareas. For instance, a party who was allocated one percent of the FPA in a Subarea could lease that allocation to a second party in a private transaction. The second party could then produce additional water free of a Replacement Obligation.

The Judgment sets forth some rules governing transfers. The rules are designed to assure that Subareas are “kept whole” after any transfer.

Biological Resource Mitigation: Protecting Species and Habitat. The Judgment contains unique provisions for assuring that the water needs of endangered and other species and of riparian habitat in the Mojave Basin Area are protected. Groundwater level standards are set in certain key areas along the River. The Judgment must be administered in certain respects with the intent to meet the standards.

In the event standards are not met, a trust fund is established by the Judgment to provide money to buy water, construct wells or other projects proposed by the California Department of Fish and Game. The trust fund, which is capped initially at \$1,000,000.00 will be financed by an escalation per acre-foot assessment on production beginning at \$0.50.

Producer Responsibilities: Reporting and Assessments. Each Producer is responsible for reporting accurately the amount of water produced and for paying all applicable assessments

promptly. Any transfer of Base Annual Production or FPA or change in purpose of use must also be reported.

Subarea Advisory Committees. The producers in each Subarea have elected a committee to advise Watermaster on the administration of the Judgment. The California Department of Fish and Game is an ex-officio member of the Subarea Advisory Committees for the Alto and Baja Subareas.

Watermaster: Administering the Judgment for the Court. MWA was appointed Watermaster initially. MWA or any subsequent appointee can be removed by the court for failure to administer the Judgment properly and fairly.

Watermaster is responsible for monitoring, verifying production, reporting to the Court, collecting assessments and conducting studies.

Watermaster must comply with the Brown Act regarding notices and meetings and with the Public Records Act regarding access to data and records.

CHAPTER 2

SUMMARY OF WATERMASTER ACTIVITIES

The first organizational meeting of the Watermaster was held on October 14, 1993. Mr. Bill A. Christopher and Mrs. Beverly J. Lowry were elected Chair and Vice Chair respectively, Mr. Larry Rowe was selected as Executive Officer, Ms. Linda Lazar as Secretary, and Mr. George E. Wilson as Treasurer. James C. Hanson, Consulting Civil Engineer, was appointed as Engineer to the Watermaster and William J. Brunick was appointed Watermaster Counsel.

Eight additional meetings were held throughout the remainder of the year. Copies of the minutes of the meetings, as well as other official records, are maintained at the offices of the Watermaster which is located at 22450 Headquarters Drive, Apple Valley, CA 92307.

The initial program of activities undertaken by the Watermaster included adaptation of the 1994-95 Budget and Assessments Rates, conducting elections for Subarea Advisory Committees, and adopting Rules and Regulations as required by the Judgment. Concurrent activities included initiation of procedures for collection, organization, and analysis of water production and streamflow data required for implementation of the provisions of the Judgment. This chapter summarizes those activities as well as important related activities of the MWA.

On March 24, 1994 Watermaster adopted the Administrative Budget and Assessment Rates for 1994-95 which are summarized in Table 2-1.

TABLE 2-1

**MOJAVE BASIN AREA WATERMASTER
ADMINISTRATIVE BUDGET AND ASSESSMENT RATES
WATER YEAR 1994-95**

ADMINISTRATIVE BUDGET

1.	Prepare Annual Watermaster Report, draft permanent text and exhibits	\$8,500.00
2.	Hydrologic data collection, tabulation and analysis for Water Year 1993-94 including scalping at Victorville Narrows and preparation of Exhibits for Second Annual Report	7,500.00
3.	Verification of 1993-94 production and resolve non-metered production	
	▶ Watermaster Engineer	380,000.00
	▶ Local Consultant(s)	190,000.00
4.	Prepare First Annual Report of Mojave Basin Area Watermaster	<u>16,000.00</u>
	Total Estimated Administrative Budget	\$602,000.00

ASSESSMENT RATES

- Replacement Water and Makeup Water*

1994-95	\$107.08/af	
1995-96	\$123.00/af	(Projected)
1996-97	\$139.00/af	(Projected)
- Administrative (1995-96)
 \$2.00/af of Production
- Biological Resources (1995-96)
 \$0.52/af of Production

*Rates at Rock Springs Outlet. It may be necessary to add conveyance costs to other points of delivery.

Subarea Advisory Committees

Initial elections of Subarea Advisory Committees were conducted by Watermaster with the following results:

ALTO SUBAREA

Edward C. Hutt
Jack L. Clarke
Donald E. Songer
D.J. Collins
Clifford C. Hood
State of California, Dept. of Fish & Game*

BAJA SUBAREA

Dennis Buschak
John T. Carter
Tom Ferruzzo
Jim Cho
Alan L. De Jong
State of California, Dept. of Fish & Game*

CENTRO SUBAREA

Perry Dahlstrom
Robert Dale Ruisch
Wayne A. Soppeland

OESTE SUBAREA

Paul W. Davis, Jr.
William S. Smillie

ESTE SUBAREA

Ed Stringer
Howard Pettigrew
Chuck Bell
Norman N. Nichols
Douglas C. Shumway

* Ex-officio Member

Water Production and Verification

In order to document water usage and to determine each Producer's Replacement Water and Makeup Water Obligations, the Judgment provides for the collection, analysis, and verification of water production by producers within each of the five Subareas annually, beginning with Water Year 1993-1994. All stipulating producers were required to file quarterly statements of production. Verification was conducted by the Watermaster's Engineer, James C. Hanson, with the assistance of Subcontractors Donald Howard Consulting Engineers, Inc., Inland Engineering Corporation, Krieger and Stewart, Inc., and So and Associates Engineers. The determination and verification of production was limited to those producers who had stipulated to the terms of the Judgment.

The verified production by stipulating parties for the water year 1993-94 is assembled and summarized in Volume II of this report. Verification methodology for 1993-94 production was essentially the same as was used in the determination and verification of Base Annual Production. No additional metering requirements were imposed by Watermaster during the year.

Streamflow, Precipitation, and Other Data

Various data, including streamflow and precipitation data, are needed to estimate the general water supply for each Subarea and to calculate compliance with some Subarea obligations. Streamflow data required by the Watermaster were for the most part furnished by the U.S. Geological Survey ("USGS"). The MWA, under a Cooperative Agreement with the USGS, currently funds fifty percent of the stream gage operation and maintenance at the Deep Creek, Lower Narrows, Barstow, and Afton Canyon stations. The U.S. Army Corps of Engineers funds the West Fork Mojave River, and Mojave River near Hesperia gages. The USGS considers the records at the Lower Narrows station to be "poor." During the 1993-94 water year the frequency of direct measurements of the discharge of the Mojave River at the Lower Narrows was increased from once to twice monthly in order to improve the record.

Records of the discharge of reclaimed waste water to the Mojave River downstream from the Lower Narrows gage were furnished by the Victor Valley Wastewater Reclamation Authority. Such

discharge records are used in the calculations of compliance by Alto Subarea Producers with their obligation to the Centro Subarea.

Precipitation data utilized by the Watermaster are compiled from records obtained from the Lake Arrowhead, Victorville, and Barstow precipitation stations and reported by the National Oceanographic and Atmospheric Administration ("NOAA").

Related MWA Activities

Other programs pertinent to hydrology of the Mojave River Basin Area and to implementation of the Judgment are being carried out under the MWA/USGS Cooperative Agreement. They include well water level and water quality monitoring; a special study of Ground- and Surface-Water Relations along the Mojave River; and, development of a regional model of the Mojave river system as part of the Regional Aquifer Systems Analysis ("RASA") program, which will model regional groundwater flow. The USGS is also conducting a study of channel geometry of selected ungaged ephemeral streams, for use in calibrating the regional groundwater flow model. As an adjunct to this work, a three year program has been initiated to estimate the percolation rate and age of water beneath ephemeral stream channels in the upper Mojave River Basin. This effort will assist with determination of recharge to the Upper Basin and identify potential sites for additional artificial recharge.

In order to further the objectives and monitoring requirements of the Stipulated Judgment, the MWA has also requested USGS to conduct a geohydrologic investigation of the Helendale Fault, of the quantity of groundwater that flows across the Helendale fault, and of flows from the Mojave River toward Harper Lake. The work will include a seismic refraction survey, monitoring well construction, and geochemical analysis. The USGS has also been asked to develop a program that will provide estimates of subsurface flows across Subarea boundaries and to assist MWA with selection and monitoring of potential recharge site locations in Lucerne Valley and along the proposed Mojave River Pipeline.

Transfers

No transfers of Base Annual Production or Free Production Allowance were reported during the year. MWA adopted a policy whereby it would agree to purchase FPA from individual producers up to a dollar amount equal to the producers assessments for administration and biological resources.

Transfers of BAP will be reported in Table 10 of Volume II. Any FPA transfers will be reported in Appendix E of Volume I.

Revision of Rules and Regulations

Watermaster adopted its initial Rules and Regulations, as required by the Judgment, on June 3, 1994. No subsequent revisions were made during the year.

Copies of the current Rules and Regulations may be obtained at the Offices of the Watermaster.

Biological Resources Trust Fund

No Biological Resources Trust Fund assessments were required to be levied during 1993-94. The Biological Resources Assessment rates for 1994-95 was set at \$0.52 per acre-foot.

Storage Agreements

No Storage Agreements were approved during 1993-94. A proposed storage agreement between Watermaster and MWA was referred to the Subarea Advisory Committees for review and comment.

CHAPTER 3

WATER SUPPLY CONDITIONS

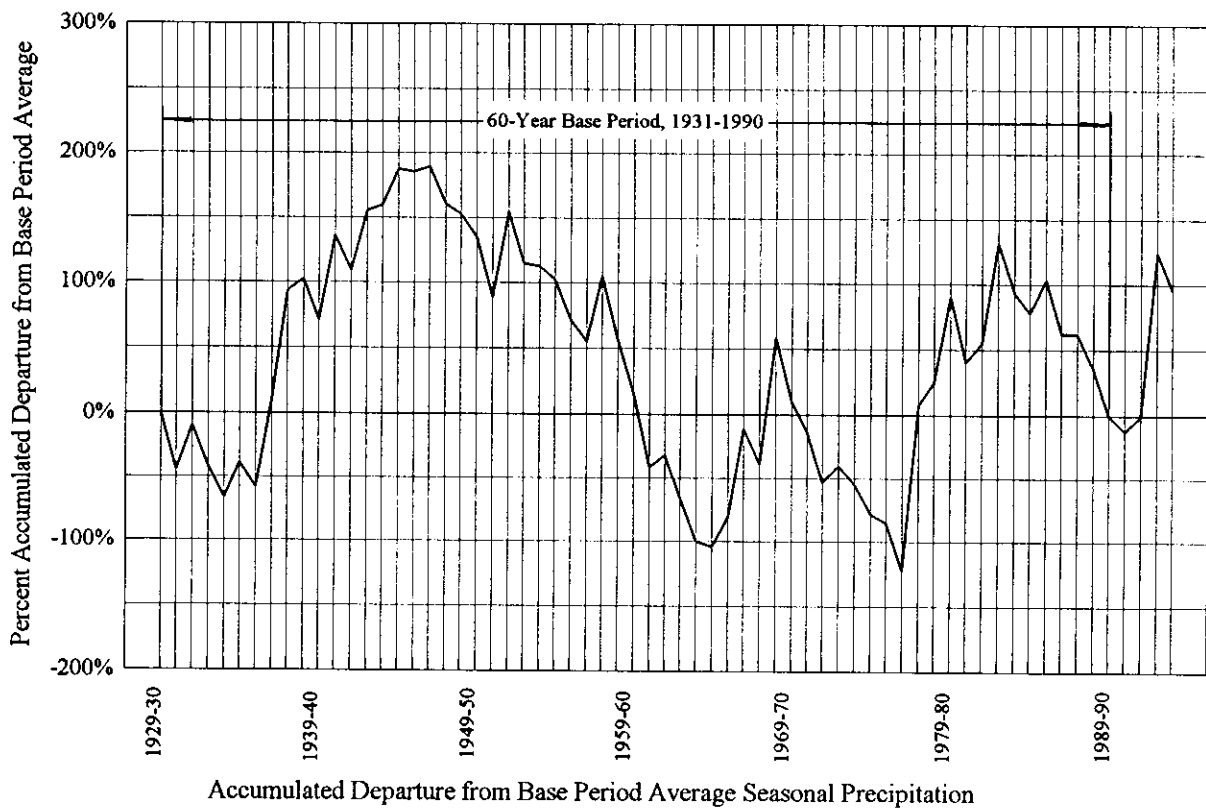
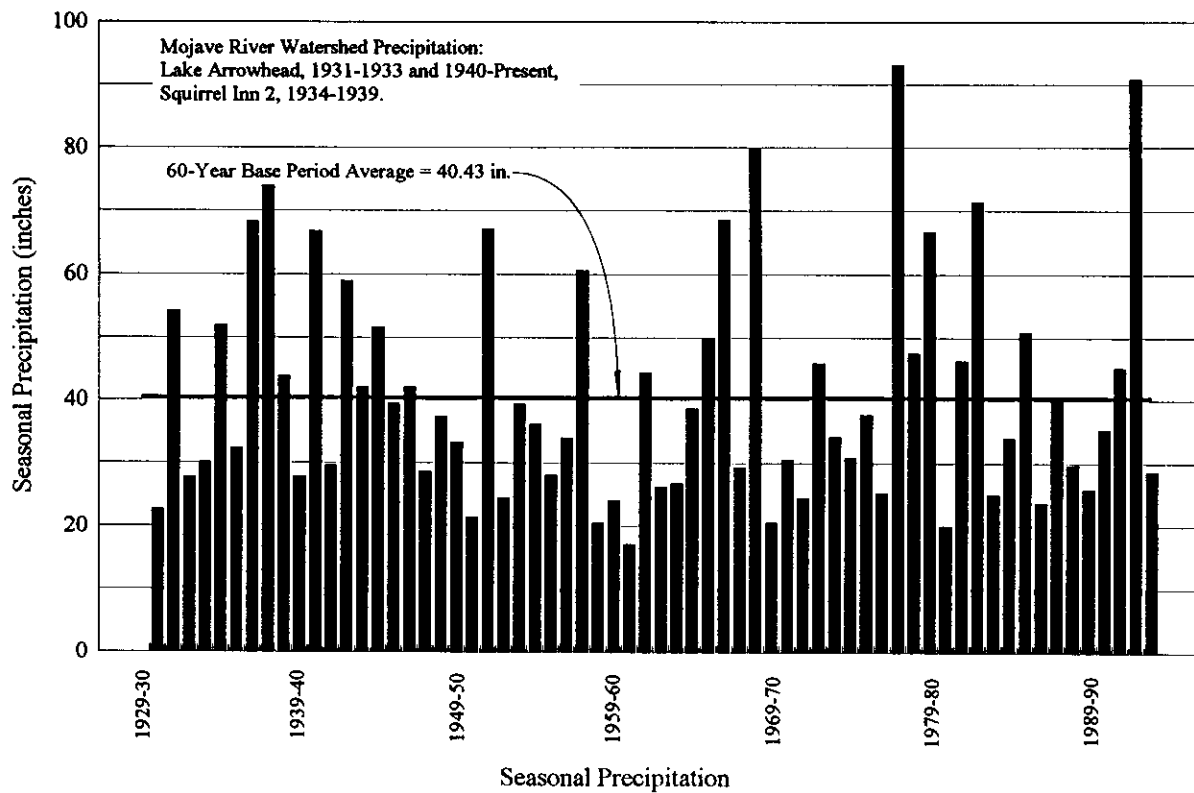
After experiencing two years of above average precipitation, including 90.9 inches in 1992-93, the precipitation in the Mojave River Watershed during 1993-94, as measured at Lake Arrowhead was about seventy one percent of the sixty year Base Period (1930-31 through 1989-90) average. The combined flow of the West Fork Mojave River and Deep Creek during the 1993-94 water year was about 31,680 acre-feet or about 48 percent of the 60 year Base Period average of 65,540 acre-feet.

Precipitation during 1993-94

Rainfall in the mountain areas is the principal source of natural water supply to the Mojave Basin Area. During the 1993-94 water year, the precipitation at Lake Arrowhead amounted to 28.7 inches which is 71 percent of the Base Period average. The maximum monthly rainfall of 13.86 inches occurred in February. Figure 3-1 shows the seasonal precipitation from 1930-31 through 1990-94 and the accumulated departure from the 1930-31 through 1989-90 Base Period average. Seasonal rainfall within the Basin Area as measured at Victorville and Barstow totaled 3.53 and 1.20 inches respectively. The amount at Victorville represents about 63 percent of the annual average and the amount at Barstow represents about 27 percent of the annual average. Figure 3-2 shows the seasonal precipitation at Victorville and Barstow for the periods of record.

Runoff during 1993-94

Locations of stream flow gages for the Mojave River system are shown on Appendix A of Volume I. Table 3-1 shows monthly discharge amounts for 1993-94 at these locations.



Precipitation Characteristics, Mojave River Watershed

FIGURE 3-1

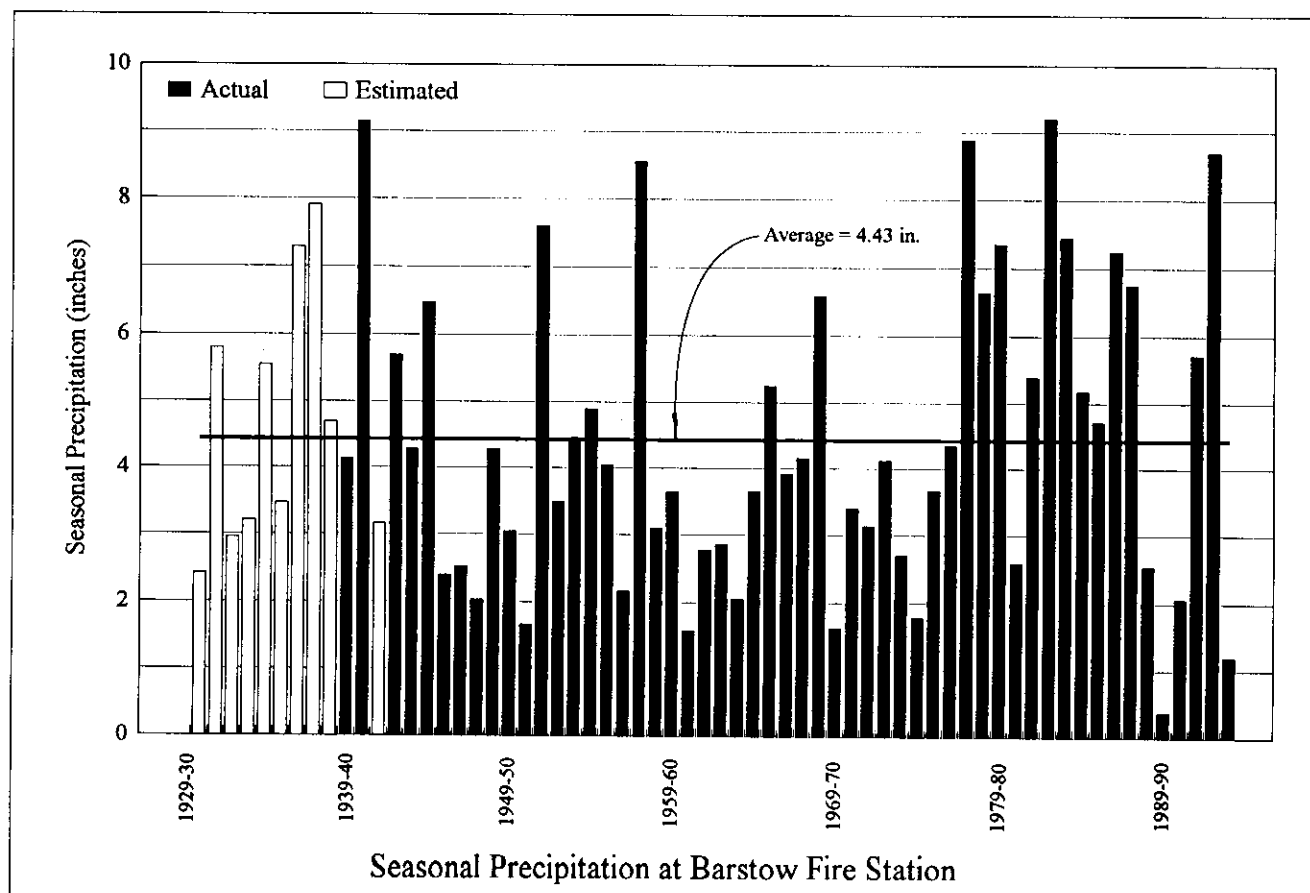
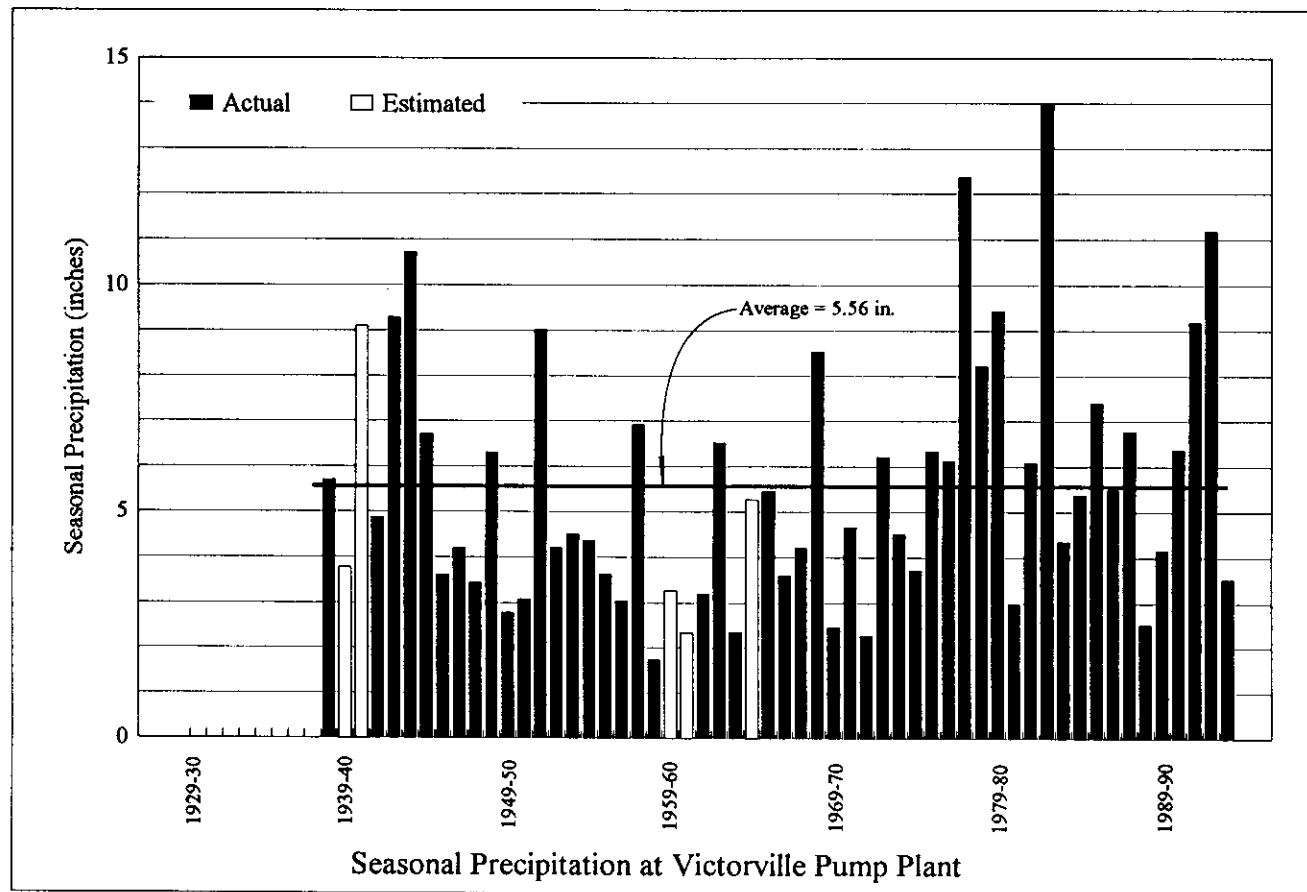


FIGURE 3-2

TABLE 3-1

**MONTHLY DISCHARGE AMOUNTS
FOR WATER YEAR 1993-94
(Acre-Feet)**

Month	¹ Forks	² Lower Narrows			³ Barstow	⁴ Afton		
	Measured Discharge	Base Flow	Storm Flow	Total	Measured Discharge	Base Flow	Storm Flow	Total
October	3,310	650	0	650	0	35	0	35
November	3,693	1,129	14	1,143	0	75	0	75
December	2,815	1,626	0	1,626	0	84	0	84
January	1,485	1,753	38	1,791	0	63	0	63
February	8,701	1,404	26	1,430	0	54	0	54
March	6,218	1,423	69	1,492	0	52	0	52
April	2,705	1,148	0	1,148	0	28	0	28
May	1,836	860	0	860	0	24	0	24
June	415	340	0	340	0	4	0	4
July	208	147	0	147	0	0	0	0
August	156	136	0	136	0	1	0	1
September	137	150	0	150	0	62	0	62
Total (AF)	31,679	10,766	147	10,913	0	483	0	483

¹ U.S.G.S. Station No. 10260500 Deep Creek near Hesperia, CA combined with
U.S.G.S. Station No. 10260950 West Fork Mojave River near Hesperia, CA

² U.S.G.S. Station No. 10261500 Mojave River at Lower Narrows, near Victorville, CA

³ U.S.G.S. Station No. 10262500 Mojave River at Barstow, CA

⁴ U.S.G.S. Station No. 10263000 Mojave River at Afton, CA

At the Forks

The total flow of the Mojave River at the Forks during 1993-94 as measured by the combined discharges of the West Fork Mojave River and Deep Creek was 31,679 acre-feet. This amount was 48 percent of the Base Period average of 65,540 acre-feet. Figure 3-3 shows the combined discharges of the West Fork Mojave River and Deep Creek and the accumulated departure from the Base Period average combined discharge for the period 1930-31 through 1993-94.

At Lower Narrows

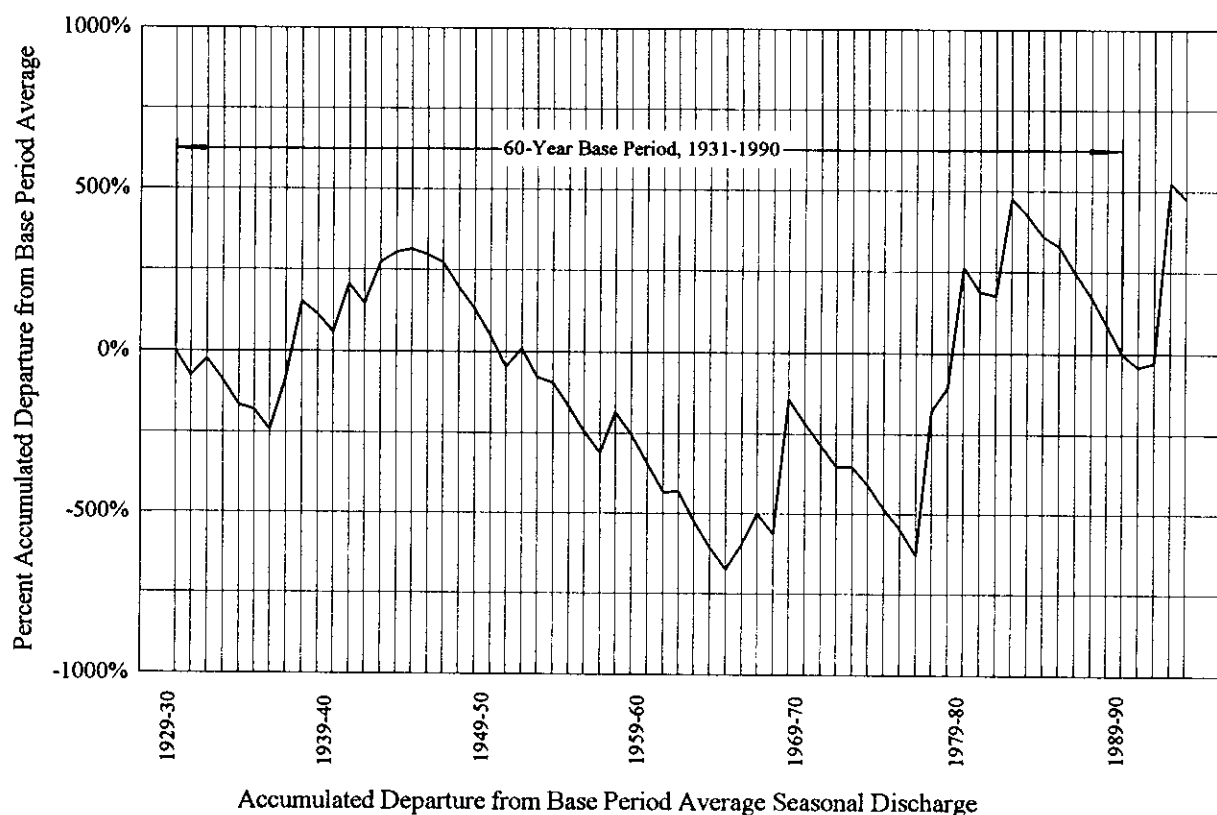
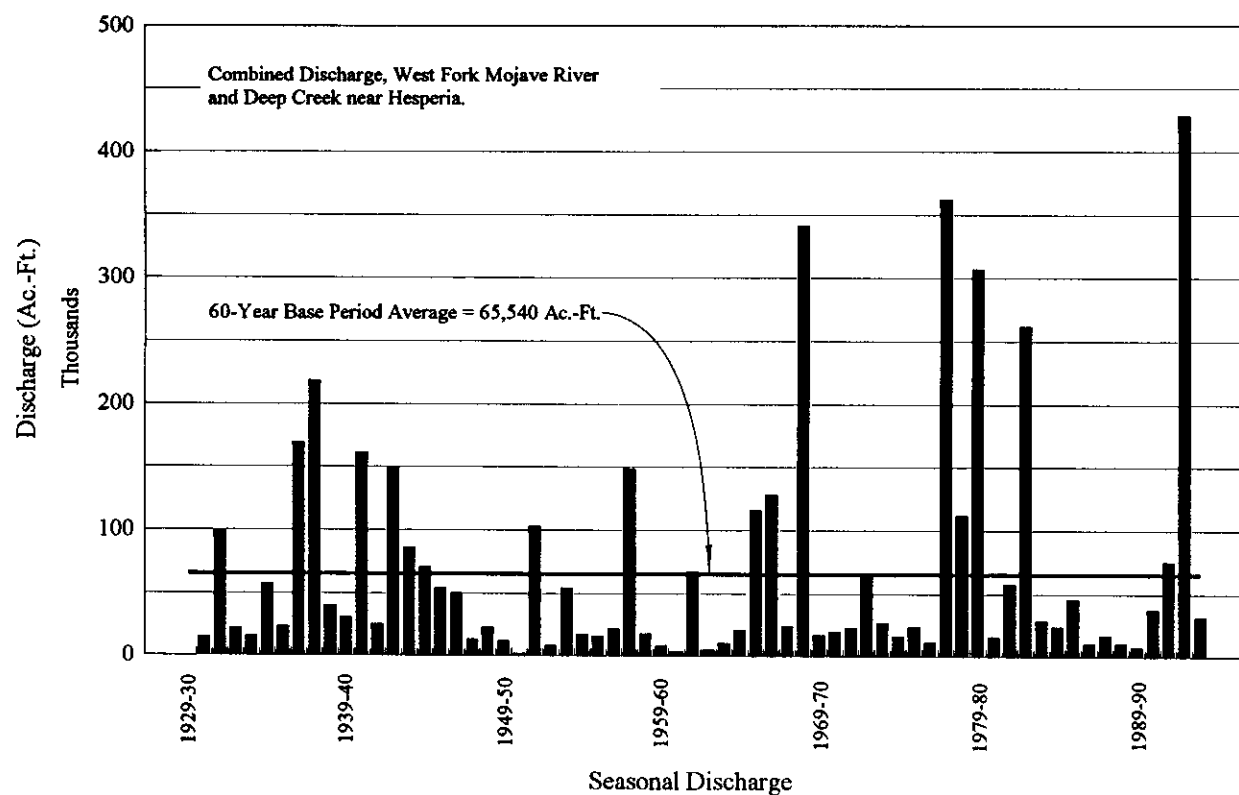
The total flow of the Mojave River at the Lower Narrows was 10,913 acre-feet which is 21 percent of the 60 Year Base Period average of 51,960 acre-feet. During 1993-94 the total flow accruing to the Lower Narrows Gage was estimated to consist of 147 acre-feet of storm flow and 10,766 acre-feet of base flow. Figure 3-4 shows the storm and base flow components of the total flow in the Mojave River at the Lower Narrows for the period 1930-31 through 1993-94.

At Barstow

There was no flow in the Mojave River at Barstow during 1993-94. Figure 3-5 shows the total flow in the Mojave River at Barstow for the period 1930-31 through 1993-94.

At Afton

The total flow of the Mojave River at Afton was 483 acre-feet which is 6 percent of the Base Period average of 8,247 acre-feet. During 1993-94 the total flow accruing to the Afton Gage was base flow. Figure 3-5 shows the storm and base flow components of the total flow in the Mojave River at Afton for the period 1930-31 through 1993-94.



Discharge Characteristics, Mojave River at the Forks

FIGURE 3-3

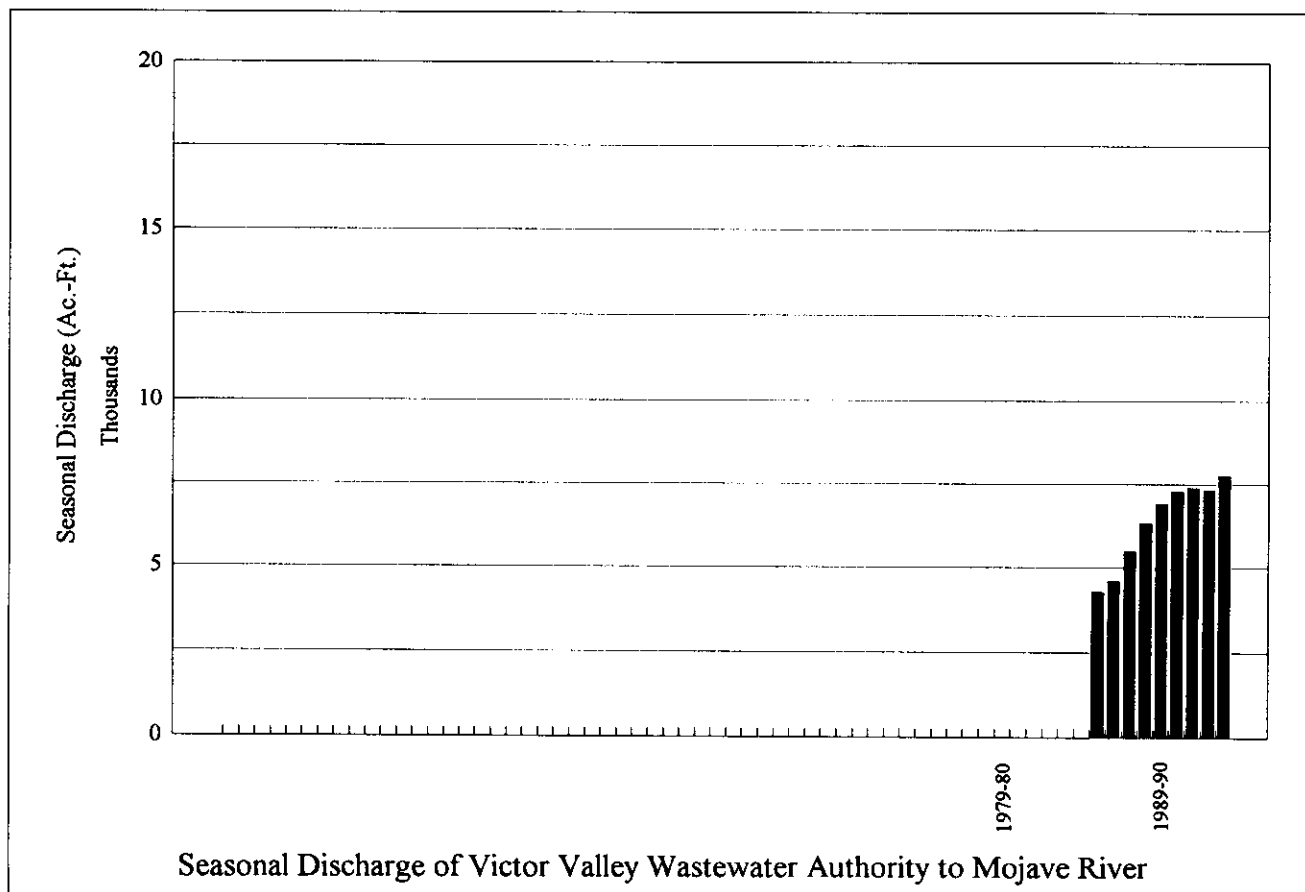
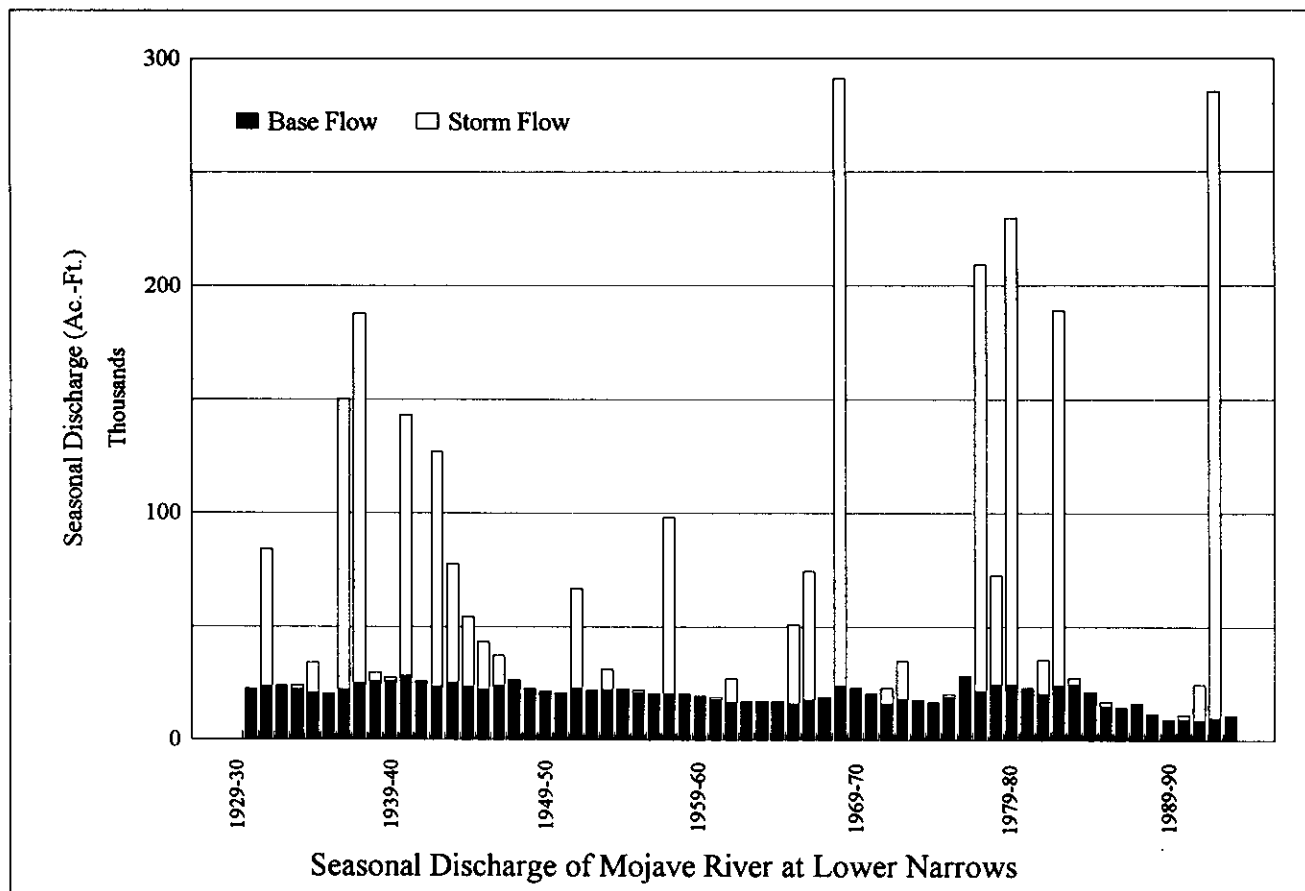


FIGURE 3-4

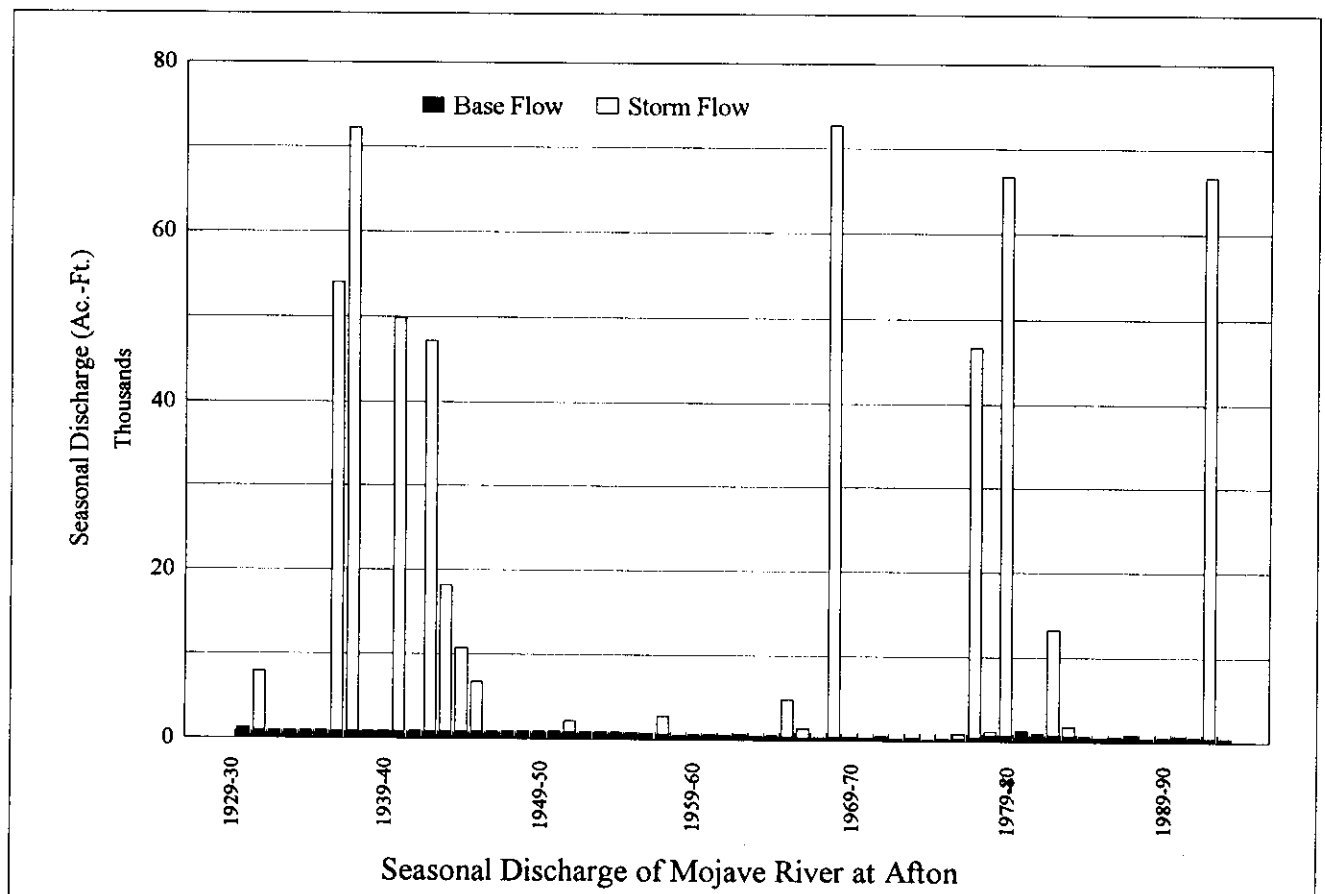
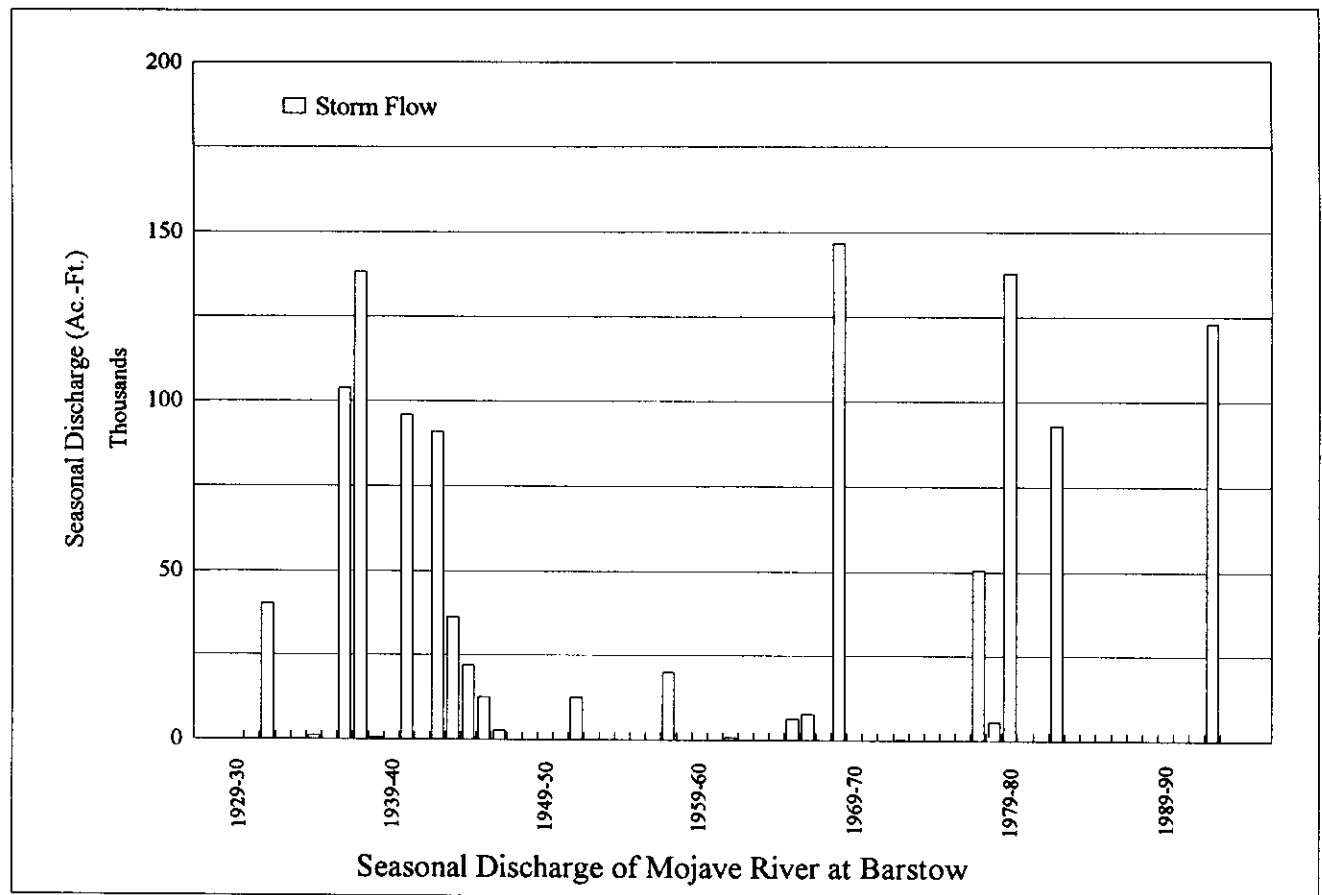


FIGURE 3-5

Wastewater Imports

During 1993-94 reclaimed wastewater was delivered to the Mojave Basin Area for disposal by the following agencies:

<u>AGENCY</u>	<u>AMOUNT DELIVERED (ACRE-FEET)</u>
Lake Arrowhead Community Services District	1,591
Crestline Sanitation District	1,555
Big Bear Area Regional Wastewater Agency	2,842
Total Import	5,988

Victor Valley Wastewater Reclamation Authority Wastewater Effluent Discharges

The Victor Valley Wastewater Reclamation Authority delivers treated wastewater effluent to the Mojave River downstream from the Lower Narrows. This water is credited toward the Subarea Obligation of the Alto subarea and amounted to 7,753 acre-feet for the year 1993-94. The seasonal wastewater effluent discharge to the Mojave River since 1985-86 is shown on Figure 3-4.

Imported Water Deliveries by MWA

During 1993-94 MWA delivered 14,750 acre-feet of imported State Water Project water to groundwater storage in the Alto Subarea. The monthly distribution was as follows:

<u>Month</u>	<u>Acre-feet</u>
October 1993	3,158
November	2,306
December	1,914
January 1994	0
February	819
March	0
April	0
May	0
June	0
July	294
August	3,547
September	2,712

CHAPTER 4

STATUS OF REPLACEMENT WATER AND MAKEUP WATER OBLIGATIONS

Appendix B summarizes in tabular form each Producer's Replacement Water and Makeup Water Obligations as well as any related assessments due and payable by July 1, 1995.

Replacement Water

Each Producer's Replacement Water Obligation in each Subarea was calculated by subtracting that Producer's 1993-94 share of FPA from that Producer's verified production in 1993-94. Each Producer's Replacement Water Assessment was calculated by multiplying that Producer's Replacement Water Obligation times the 1993-94 Replacement Water Assessment Rate of \$107.08 per acre-foot. In lieu of paying the Replacement Water Assessment, a Producer may satisfy a Replacement Obligation in a Subarea by acquiring another party's carry-over FPA from 1993-94 in the same Subarea (subject to any consumptive use adjustments) and reporting such acquisition to the Watermaster prior to June 1, 1995 on appropriate forms provided by Watermaster. Unused 1993-94 FPA for each Producer within each Subarea is set forth in Appendix B of Volume I.

Table 4-1 summarizes the Replacement Water Obligations and Assessments and Unused FPA for 1993-94 in each Subarea.

Transition Zone

The Judgment requires the establishment and maintenance of certain minimum groundwater levels in the Transition Zone "as soon as practicable." Such levels have not yet been established and the Judgment requires that until they are, that production in the transition zone that is in excess of the total of Transition Zone Producers' share of the Alto Subarea FPA for the year must be actually replaced in the Transition Zone during the next ensuing year. The total verified production in the Transition Zone during 1993-94 was 13,378 acre-feet and the total FPA for Transition Zone Producers was 24,036 acre-feet. Therefore, the Replacement Water that must be actually replaced in the Transition Zone is zero acre-feet during 1994-95.

TABLE 4-1
SUMMARY OF REPLACEMENT WATER OBLIGATIONS
AND
REPLACEMENT WATER ASSESSMENTS FOR
WATER YEAR 1993-94

<u>Subarea</u>	<u>Replacement Water Obligations</u>	<u>Replacement Water Assessments</u>	<u>Unused FPA*</u>
Este	151	\$ 16,169.08	5,765
Oeste	687	73,563.96	729
Alto	4,684	501,562.72	15,118
Centro	0	0.00	10,120
Baja	<u>318</u>	<u>34,051.44</u>	<u>12,492</u>
TOTALS	5,840	\$625,347.20	44,224

*Does not include Non-Stipulating Parties

Makeup Water

Table 4-2 summarizes the flows credited to each Subarea Obligation during Water Year 1993-94, the Status of each at the end of the year and each minimum Obligation for Water Year 1994-95.

During the first ten years of implementation of the Judgment, the subsurface flow Obligations between Subareas will be assumed to be met, pending the installation of monitoring wells and completion of studies that are specified in the Judgment. Only water flowing or delivered on the surface will actually be monitored during the first ten years.

TABLE 4-2

**STATUS OF SUBAREA OBLIGATIONS
AT THE END OF WATER YEAR 1993 - 94**

Subareas	<u>Este</u>	<u>Oeste</u>	<u>Alto</u>	<u>Centro</u>	<u>Baja</u>
Obligation to	Alto	Alto	Transition Zone	Baja	Afton
Average Annual Obligation in acre-feet	200	800	23,000	1,200	400
Status at Beginning of 1993-94					
Cumulative Obligation	0	0	0	0	0
Cumulative Flow	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Net cumulative Credit (Debit)	0	0	0	0	0
Flow During 1993-94					
Base Flow	---	---	10,772	---	---
Subsurface Flow	200	800	2,000	1,200	483
Other Water	0	0	7,753	0	0
Makeup Water Purchased	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Flow	200	800	20,525	1,200	483
Minimum Obligations for 1993-94	160	640	18,400	960	320
Makeup Obligation Incurred	0	0	0	0	0
Status at End of 1993-94					
Cumulative Obligation	200	800	23,000	1,200	400
Cumulative Flow	<u>200</u>	<u>800</u>	<u>20,525</u>	<u>1,200</u>	<u>483</u>
Net Cumulative Credit (Debit)	0	0	(2,475)	0	83
Minimum Obligation for 1994-95					
Annual Minimum	160	640	18,400	960	320
+ 1/3 of Cumulative Debit	0	0	825	0	0
+ Additional to reduce Cumulative Debit to Annual Minimum	0	0	0	0	0
Alternative Minimum for Alto *	---	---	---	---	---
Minimum Obligation for 1994-1995	160	640	19,225	960	320

* Annual Minimum minus Cumulative Credit but not less than 15,000 acre-feet

CHAPTER 5

FREE PRODUCTION ALLOWANCE FOR WATER YEAR 1995-96

The Judgment establishes each Producer's FPA for 1995-96 at ninety percent of that Producer's Base Annual Production. Watermaster has no alternative proposal. Appendix H sets forth the proposed 1995-96 FPA for each Producer.

CHAPTER 6
FINANCIAL REPORT AND PROPOSED BUDGET

Income Statement/Balance Sheet Summary

There was no income or disbursement in 1993-94.

Status of Collections of 1993-94 Assessments

There were no collection of assessments in 1993-94.

Summary of Replacement Water Purchases

There were no replacement water purchases made in 1993-94.

Summary of Makeup Water Purchases

There were no makeup water purchases made in 1993-94.

Biological Resources Trust Fund Summary

There were no collections required under the Judgment for the Biological Resources Trust Fund in 1993-94.

Administrative Budget for 1995-96

The Administrative Budget for 1995-96 is summarized in Table 6-1.

Proposed Assessment Rates for 1995-96

The proposed Assessment Rates for 1995-96 are summarized in Table 6-1.

Projected Assessment Rates for 1996-97

The projected Assessment Rates for 1996-97 are summarized in Table 6-1.

TABLE 6-1

**MOJAVE BASIN AREA WATERMASTER
ADMINISTRATIVE BUDGET AND ASSESSMENT RATES
WATER YEAR 1995-96**

ADMINISTRATIVE BUDGET

1.	Prepare Annual Watermaster Report, draft permanent text and exhibits	\$8,500.00
2.	Hydrologic data collection, tabulation and analysis for Water Year 1994-95 including scalping at Victorville Narrows and preparation of Exhibits for Third Annual Report	7,500.00
3.	Verification of 1994-95 production and resolve non-metered production	
	▶ Watermaster Engineer	380,000.00
	▶ Local Consultant(s)	190,000.00
4.	Prepare Second Annual Report of Mojave Basin Area Watermaster	<u>14,000.00</u>
	Total Estimated Engineering Budget	\$600,000.00

ASSESSMENT RATES

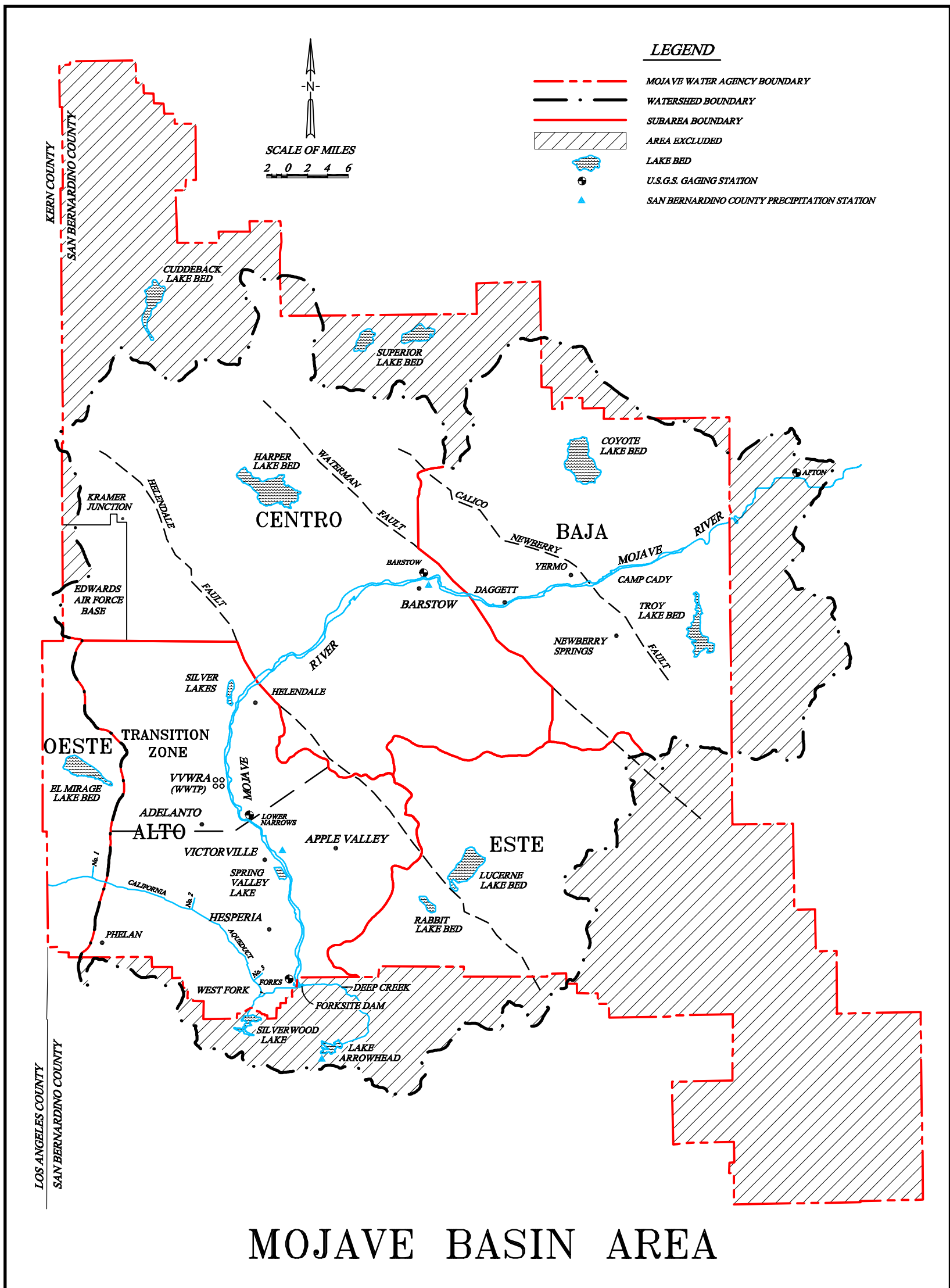
1. Replacement Water and Makeup Water*

1995-96	\$123.00/af	(Proposed)
1996-97	\$139.00/af	(Projected)
1997-98	\$136.00/af	(Projected)
2. Administrative (1995-96)
 \$2.00/af of Production
3. Biological Resources (1995-96)
 \$0.52/af of Production

*Rates at Rock Springs Outlet. It may be necessary to add conveyance costs to other points of delivery.

APPENDIX A

MAP



APPENDIX B

PRODUCER REPLACEMENT WATER AND MAKEUP WATER OBLIGATIONS AND ASSESSMENTS FOR 1993-94

APPENDIX B

**PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS FOR 1993-94
ESTE SUBAREA**

PRODUCER	FREE PRODUCTION ALLOWANCE (ACRE-FEET)	1993-94 VERIFIED PRODUCTION (ACRE-FEET)	UNUSED FPA (ACRE-FEET) *	REPLACEMENT WATER OBLIGATION (ACRE-FEET)	PRODUCTION SUBJECT TO MAKEUP OBLIGATION (ACRE-FEET)	MAKEUP WATER OBLIGATION (ACRE-FEET)	ASSESSMENTS DUE BY JULY 1, 1995		TOTAL
							REPLACEMENT WATER \$ 107.08 /AF	MAKEUP WATER \$ 107.08 /AF	
ABSHIRE, DAVID V	24	NS	NS	NS	NS	0	NS	0	NS
ANDERSON, ROSS C & BETTY J	34	NS	NS	NS	NS		NS		NS
BAR H MUTUAL WATER COMPANY	53	51	2	0	51		\$0.00		\$0.00
BELL, CHUCK	494	494	0	0	494		\$0.00		\$0.00
BURNS, BOBBY J & EVELYN J	1,300	1,300	0	0	1,300		\$0.00		\$0.00
CASA COLINA FOUNDATION	90	82	8	0	82		\$0.00		\$0.00
CENTER WATER CO	40	40	0	0	40		\$0.00		\$0.00
CLUB VIEW PARTNERS	1,276	188	1,088	0	188		\$0.00		\$0.00
CROSS, LAWRENCE E & SHARON I	23	23	0	0	23		\$0.00		\$0.00
CRYSTAL HILLS WATER COMPANY	194	30	164	0	30		\$0.00		\$0.00
DAHLQUIST, GEORGE R	594	337	257	0	337		\$0.00		\$0.00
DELPERDANG, ROBERT H	56	56	0	0	56		\$0.00		\$0.00
DESERT DAWN MUTUAL WATER COMPANY	15	NS	NS	NS	NS		NS		NS
GAETA, TRINIDAD	512	301	211	0	301		\$0.00		\$0.00
GAYJIKIAN, SAMUEL & HAZEL	102	NS	NS	NS	NS		NS		NS
GRACETOWN INVESTMENT CO - JETCO PROP FUND	752	0	752	0	0		\$0.00		\$0.00
GUBLER, HANS	30	NS	NS	NS	NS		NS		NS
HAL-DOR LTD	23	NS	NS	NS	NS		NS		NS
HANDLEY, DON R & MARY ANN	73	NS	NS	NS	NS		NS		NS
HART, MERRILL W	473	NS	NS	NS	NS		NS		NS
HERT, SCOTT	276	276	0	0	276		\$0.00		\$0.00
HI-GRADE MATERIALS	0	NS	NS	NS	NS		NS		NS
HITCHIN LUCERNE, INC	16	NS	NS	NS	NS		NS		NS
JAMS RANCH	28	28	0	0	28		\$0.00		\$0.00
JUBILEE MUTUAL WATER COMPANY	142	143	0	1	142	0	\$107.08	0	\$107.08

NOTES:

* UNUSED FPA MAY BE TRANSFERABLE AS CARRY OVER WATER DURING 1994-95 SUBJECT TO THE TRANSFER PROVISIONS OF THE STIPULATED JUDGMENT AND ANY ADJUSTMENTS BY WATERMASTER FOR CHANGES IN CONSUMPTIVE USES

NS INDICATES A NON-STIPULATED PARTY.

APPENDIX B

**PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS FOR 1993-94
ESTE SUBAREA**

PRODUCER	FREE PRODUCTION ALLOWANCE (ACRE-FEET)	1993-94 VERIFIED PRODUCTION (ACRE-FEET)	UNUSED FPA (ACRE-FEET) *	REPLACEMENT WATER OBLIGATION (ACRE-FEET)	PRODUCTION SUBJECT TO MAKEUP OBLIGATION (ACRE-FEET)	MAKEUP WATER OBLIGATION (ACRE-FEET)	ASSESSMENTS DUE BY JULY 1, 1995		TOTAL
							REPLACEMENT	MAKEUP	
							WATER \$ 107.08 /AF	WATER \$ 107.08 /AF	
JUNIPER RIVIERA COUNTY WATER DISTRICT	37	53	0	16	37	0	\$1,713.28	0	\$1,713.28
LEE, DOO HWAN	78	NS	NS	NS	NS		NS		NS
LOPEZ, BALTAZAR	385	NS	NS	NS	NS		NS		NS
LUA, ANTONIO	348	0	348	0	0		\$0.00		\$0.00
LUCERNE VALLEY MUTUAL WATER COMPANY	54	44	10	0	44		\$0.00		\$0.00
LUCERNE VALLEY PARTNERS	1,213	12	1,201	0	12		\$0.00		\$0.00
LUCERNE VISTA WATER CO	21	NS	NS	NS	NS		NS		NS
MITSUBISHI CEMENT CORPORATION	1,299	955	344	0	955		\$0.00		\$0.00
MONACO INVESTMENT COMPANY	70	0	70	0	0		\$0.00		\$0.00
MOSS, LAWRENCE W & HELEN J	43	NS	NS	NS	NS		NS		NS
PARK, CHANH O	597	NS	NS	NS	NS		NS		NS
PARK, JEONG, IL & HEA JA	96	NS	NS	NS	NS		NS		NS
PEREZ, EVA	247	NS	NS	NS	NS		NS		NS
PETTIGREW, DAN	1,422	1,422	0	0	1,422		\$0.00		\$0.00
PETTIGREW, HOWARD L	1,500	1,500	0	0	1,500		\$0.00		\$0.00
PLUESS-STAUER CALIFORNIA INC	23	8	15	0	8		\$0.00		\$0.00
REED, MIKE	58	58	0	0	58		\$0.00		\$0.00
ROGERS, ROY	1,449	280	1,169	0	280		\$0.00		\$0.00
SAN BERNARDINO CO SERVICE AREA 29	21	21	0	0	21		\$0.00		\$0.00
SEALS, LAWRENCE	113	19	94	0	19		\$0.00		\$0.00
SON'S RANCH	140	NS	NS	NS	NS		NS		NS
SOUTHERN CALIFORNIA WATER COMPANY	178	185	0	7	178		\$749.56		\$749.56
SPECIALTY MINERALS, INC	42	29	13	0	29		\$0.00		\$0.00
SPILLMAN, JAMES R & NANCY J	23	23	0	0	23		\$0.00		\$0.00
STEWART WATER COMPANY	54	NS	NS	NS	NS	0	NS	0	NS

NOTES:

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NS INDICATES A NON-STIPULATED PARTY.

APPENDIX B
PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS FOR 1993-94
ESTE SUBAREA

PRODUCER	FREE PRODUCTION ALLOWANCE (ACRE-FEET)	1993-94 VERIFIED PRODUCTION (ACRE-FEET)	UNUSED FPA (ACRE-FEET) *	REPLACEMENT WATER OBLIGATION (ACRE-FEET)	PRODUCTION SUBJECT TO MAKEUP OBLIGATION (ACRE-FEET)	MAKEUP WATER OBLIGATION (ACRE-FEET)	ASSESSMENTS DUE BY JULY 1, 1995		TOTAL
							REPLACEMENT WATER	MAKEUP WATER	
							\$ 107.08 /AF	\$ 107.08 /AF	
STRINGER, W EDWARD	573	561	12	0	561	0	\$0.00	0	\$0.00
THE CUSHENBURY TRUST, C/O SPECIALTY MINERALS, INC	10	3	7	0	3		\$0.00		\$0.00
TURNER, LOYD & CAROL	77	NS	NS	NS	NS		NS		NS
VISOSKY, JOSEPH F JR	1,120	NS	NS	NS	NS		NS		NS
WEISER, SIDNEY & RAQUEL	90	217	0	127	90		\$13,599.16		\$13,599.16
WILLOW WELLS MUTUAL WATER COMPANY	30	30	0	0	30		\$0.00		\$0.00
WILSHIRE ROAD PARTNERS	692	NS	NS	NS	NS	0	NS	0	NS
TOTAL	18,723	8,769	5,765	151	8,618	0	\$16,169.08	0	\$16,169.08

NOTES:

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APPENDIX B
PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS FOR 1993-94
OESTE SUBAREA

PRODUCER	FREE PRODUCTION ALLOWANCE (ACRE-FEET)	1993-94 VERIFIED PRODUCTION (ACRE-FEET)	UNUSED FPA (ACRE-FEET) *	REPLACEMENT WATER OBLIGATION (ACRE-FEET)	PRODUCTION SUBJECT TO MAKEUP OBLIGATION (ACRE-FEET)	MAKEUP WATER OBLIGATION (ACRE-FEET)	ASSESSMENTS DUE BY JULY 1, 1995		TOTAL
							REPLACEMENT WATER \$ 107.08 /AF	MAKEUP WATER \$ 107.08 /AF	
AEROCHEM, INC	660	8	652	0	8	0	\$0.00	0	\$0.00
ALLEN, DAVID & KATHRYN (FORMERLY: BROWN, DOUG & SUE)	6	1	5	0	1		\$0.00		\$0.00
BROWN, DOUG & SUE	40	15	25	0	15		\$0.00		\$0.00
CHAMISAL MUTUAL	96	107	0	11	96		\$1,177.88		\$1,177.88
DOSSEY, D A	14	14	0	0	14		\$0.00		\$0.00
MEADOWBROOK DAIRY	2,335	2,335	0	0	2,335		\$0.00		\$0.00
MORANO, AMERICO (FORMERLY: DAVIS, PAUL)	19	19	0	0	19		\$0.00		\$0.00
RESSEGUE, JOHN & BILL	259	259	0	0	259		\$0.00		\$0.00
SAN BERNARDINO CO SERVICE AREA 70G	110	95	15	0	95		\$0.00		\$0.00
SAN BERNARDINO CO SERVICE AREA 70L	1,306	1,982	0	676	1,306		\$72,386.08		\$72,386.08
THORESON, ROBERT F & A KATHLEEN	40	8	32	0	8		\$0.00		\$0.00
TROEGER, RICHARD H	112	112	0	0	112		\$0.00		\$0.00
VAN DAM BROTHERS	1,860	1,860	0	0	1,860	0	\$0.00	0	\$0.00
TOTAL	6,857	6,815	729	687	6,128	0	\$73,563.96	0	\$73,563.96

NOTES:

- * UNUSED FPA MAY BE TRANSFERABLE AS CARRY OVER WATER DURING 1994-95 SUBJECT TO THE TRANSFER PROVISIONS OF THE STIPULATED JUDGMENT AND ANY ADJUSTMENTS BY WATERMASTER FOR CHANGES IN CONSUMPTIVE USES.

APPENDIX B

**PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS FOR 1993-94
ALTO SUBAREA**

PRODUCER	FREE PRODUCTION ALLOWANCE (ACRE-FEET)	1993-94 VERIFIED PRODUCTION (ACRE-FEET)	UNUSED FPA (ACRE-FEET) *	REPLACEMENT WATER OBLIGATION (ACRE-FEET)	PRODUCTION SUBJECT TO MAKEUP OBLIGATION (ACRE-FEET)	MAKEUP WATER OBLIGATION (ACRE-FEET)	ASSESSMENTS DUE BY JULY 1, 1995		TOTAL
							REPLACEMENT WATER \$ 107.08 /AF	MAKEUP WATER \$ 107.08 /AF	
ABBOND, EDWARD & GRACE	28	13	15	0	13	0	\$0.00	0	\$0.00
ABBOTT, LEONARD C	284	127	157	0	127		\$0.00		\$0.00
ADELANTO, CITY OF	1,573	NS	NS	NS	NS		NS		NS
ADELANTO, CITY OF - GEORGE A F B	3,433	NS	NS	NS	NS		NS		NS
AGCON, INC	0	NS	NS	NS	NS		NS		NS
APPLE VALLEY COUNTRY CLUB	709	520	189	0	520		\$0.00		\$0.00
APPLE VALLEY DEVELOPMENT	724	458	266	0	458		\$0.00		\$0.00
APPLE VALLEY FOOTHILL CO WATER DISTRICT	167	125	42	0	125		\$0.00		\$0.00
APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT	125	119	6	0	119		\$0.00		\$0.00
APPLE VALLEY RANCHOS WATER COMPANY (FORMERLY: ADAMSON COMPANY)	119	0	119	0	0		\$0.00		\$0.00
APPLE VALLEY RANCHOS WATER COMPANY	12,903	13,250	0	347	12,903		\$37,156.76		\$37,156.76
APPLE VALLEY RECREATION & PARKS	45	43	2	0	43		\$0.00		\$0.00
APPLE VALLEY VIEW MUTUAL WATER CO	36	37	0	1	36		\$107.08		\$107.08
APPLE VALLEY, TOWN OF	298	30	268	0	30		\$0.00		\$0.00
ARC LAS FLORES	6,331	4,380	1,951	0	4,380		\$0.00		\$0.00
BACA, ENRIQUE	74	NS	NS	NS	NS		NS		NS
BALDY MESA WATER DISTRICT	1,495	2,727	0	1,232	1,495		\$131,922.56		\$131,922.56
BASS, NEWTON T	514	261	253	0	261		\$0.00		\$0.00
BASTIANON, REMO	77	NS	NS	NS	NS		NS		NS
BASURA, STEVE	25	20	5	0	20		\$0.00		\$0.00
BEINSCHROTH, A J	90	50	40	0	50		\$0.00		\$0.00
BEINSCHROTH, A J (FORMERLY: TATUM, JAMES B)	829	351	478	0	351		\$0.00		\$0.00
BORUFF, PAUL & LINBY (FORMERLY: PEARSON, DERYL B)	22	3	19	0	3		\$0.00		\$0.00
BOYCE, KENNETH & WILLA	102	62	40	0	62		\$0.00		\$0.00
BROWN, BOBBY G & VALERIA R	42	11	31	0	11	0	\$0.00	0	\$0.00

NOTES:

- * UNUSED FPA MAY BE TRANSFERABLE AS CARRY OVER WATER DURING 1994-95 SUBJECT TO THE TRANSFER PROVISIONS OF THE STIPULATED JUDGMENT AND ANY ADJUSTMENTS BY WATERMASTER FOR CHANGES IN CONSUMPTIVE USES.

NS INDICATES A NON-STIPULATED PARTY

APPENDIX B
PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS FOR 1993-94
ALTO SUBAREA

PRODUCER	FREE PRODUCTION ALLOWANCE (ACRE-FEET)	1993-94 VERIFIED PRODUCTION (ACRE-FEET)	UNUSED FPA (ACRE-FEET) *	REPLACEMENT WATER OBLIGATION (ACRE-FEET)	PRODUCTION SUBJECT TO MAKEUP OBLIGATION (ACRE-FEET)	MAKEUP WATER OBLIGATION (ACRE-FEET)	ASSESSMENTS DUE BY JULY 1, 1995		TOTAL
							REPLACEMENT WATER \$ 107.08 /AF	MAKEUP WATER \$ 107.08 /AF	
BURNS, ULYSSES & ANNIE L	164	9	155	0	9	0	\$0.00	0	\$0.00
CARDOZO, MANUEL & MARIA	909	NS	NS	NS	NS		NS		NS
CDFG - MOJAVE NARROWS REGIONAL PARK	2,107	2,107	0	0	2,107		\$0.00		\$0.00
CDFG - MOJAVE RIVER FISH HATCHERY	20	20	0	0	20		\$0.00		\$0.00
CLARK, KENNETH R	0	0	0	0	0		\$0.00		\$0.00
CLEAR VIEW FARMS	501	475	26	0	475		\$0.00		\$0.00
CRAMER, MARGARET MUIR	280	280	0	0	280		\$0.00		\$0.00
CUNNINGHAM, WILLIAM	29	29	0	0	29		\$0.00		\$0.00
DEXTER, CLAIR F	175	NS	NS	NS	NS		NS		NS
DEXTER, J P	515	2	513	0	2		\$0.00		\$0.00
DIBERNARDO, JOHN	203	115	88	0	115		\$0.00		\$0.00
DOLCH, ROBERT & JUDY	426	299	127	0	299		\$0.00		\$0.00
DOMBROWSKI, MICHAEL W & SUSAN M	19	16	3	0	16		\$0.00		\$0.00
DOWSE, PHILIP	20	6	14	0	6		\$0.00		\$0.00
EVENSON, EDWIN H & JOYCELAINE	70	NS	NS	NS	NS		NS		NS
FISHER, DOLORES DR	48	20	28	0	20		\$0.00		\$0.00
FISHER, JEROME	633	351	282	0	351		\$0.00		\$0.00
FITZWATER, R E	291	NS	NS	NS	NS		NS		NS
GARCIA, SONIA L	288	NS	NS	NS	NS		NS		NS
GOMEZ, CIRIL - LIVING TRUST	330	230	100	0	230		\$0.00		\$0.00
GREEN ACRES ESTATES	25	20	5	0	20		\$0.00		\$0.00
GULBRANSON, MERLIN	163	163	0	0	163		\$0.00		\$0.00
HELENDALE SCHOOL DISTRICT	18	18	0	0	18		\$0.00		\$0.00
HESPERIA GOLF AND COUNTRY CLUB	678	678	0	0	678		\$0.00		\$0.00
HESPERIA WATER DISTRICT	12,213	12,416	0	203	12,213		\$21,737.24		\$21,737.24
HI-GRADE MATERIALS	0	NS	NS	NS	NS	0	NS	0	NS

NOTES:

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NS INDICATES A NON-STIPULATED PARTY.

APPENDIX B

**PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS FOR 1993-94
ALTO SUBAREA**

PRODUCER	FREE PRODUCTION ALLOWANCE (ACRE-FEET)	1993-94 VERIFIED PRODUCTION (ACRE-FEET)	UNUSED FPA (ACRE-FEET) *	REPLACEMENT WATER OBLIGATION (ACRE-FEET)	PRODUCTION SUBJECT TO MAKEUP OBLIGATION (ACRE-FEET)	MAKEUP WATER OBLIGATION (ACRE-FEET)	ASSESSMENTS DUE BY JULY 1, 1995		TOTAL
							REPLACEMENT WATER \$ 107.08 /AF	MAKEUP WATER \$ 107.08 /AF	
HODGE, STANLEY W	67	67	0	0	67	0	\$0.00	0	\$0.00
HOLWAY, ROBERT	88	NS	NS	NS	NS		NS		NS
HRUBIK, THOMAS A	3,035	NS	NS	NS	NS		NS		NS
INDUSTRIAL ASPHALT	109	NS	NS	NS	NS		NS		NS
JESS RANCH WATER COMPANY	7,600	NS	NS	NS	NS		NS		NS
JOHNSON, LARRY & CARLEAN	82	69	13	0	69		\$0.00		\$0.00
JOHNSON, RONALD	31	37	0	6	31		\$642.48		\$642.48
JOHNSTON, HARRIET AND LARRY W	127	NS	NS	NS	NS		NS		NS
KEMPER CAMPBELL RANCH	473	345	128	0	345		\$0.00		\$0.00
LADISLAV, HLOBIK	26	NS	NS	NS	NS		NS		NS
LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT	658	1	657	0	1		\$0.00		\$0.00
LAWSON, ERNEST & BARBARA	15	6	9	0	6		\$0.00		\$0.00
LENHART, RONALD & TONI (FORMERLY: APPLE VALLEY EQUINE HOSPITAL)	37	13	24	0	13		\$0.00		\$0.00
LEWIS HOMES OF CALIFORNIA	1,693	334	1,359	0	334		\$0.00		\$0.00
LONGMAN, JACK	115	NS	NS	NS	NS		NS		NS
LOUNSBURY, J PETER & CAROLYN	208	46	162	0	46		\$0.00		\$0.00
LOW, ROBERT	399	0	399	0	0		\$0.00		\$0.00
LUCKEY, MANLEY J	800	450	350	0	450		\$0.00		\$0.00
LUTH, KEN	27	1	26	0	1		\$0.00		\$0.00
MARIANA RANCHOS COUNTY WATER DISTRICT	240	212	28	0	212		\$0.00		\$0.00
MCCALL, REX	44	NS	NS	NS	NS		NS		NS
MCINNIS, WILLIAM S	30	NS	NS	NS	NS		NS		NS
MITCHELL, ROBIN & JUDITH	36	NS	NS	NS	NS		NS		NS
MURPHY, BERNARD H	25	8	17	0	8		\$0.00		\$0.00
MURPHY, BERNARD TRUST	162	26	136	0	26	0	\$0.00	0	\$0.00

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NS INDICATES A NON-STIPULATED PARTY.

APPENDIX B
PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS FOR 1993-94
ALTO SUBAREA

PRODUCER	FREE PRODUCTION ALLOWANCE (ACRE-FEET)	1993-94 VERIFIED PRODUCTION (ACRE-FEET)	UNUSED FPA (ACRE-FEET) *	REPLACEMENT WATER OBLIGATION (ACRE-FEET)	PRODUCTION SUBJECT TO MAKEUP OBLIGATION (ACRE-FEET)	MAKEUP WATER OBLIGATION (ACRE-FEET)	ASSESSMENTS DUE BY JULY 1, 1995		TOTAL
							REPLACEMENT WATER	MAKEUP WATER	
							\$ 107.08 /AF	\$ 107.08 /AF	
MURPHY, KENNETH	42	4	38	0	4	0	\$0.00	0	\$0.00
MUTUAL FUNDING CORP	101	83	18	0	83		\$0.00		\$0.00
NAVAJO MUTUAL WATER CO	88	88	0	0	88		\$0.00		\$0.00
NUNN, DONALD & PEARL	66	25	41	0	25		\$0.00		\$0.00
O'BRYANT, ROBERT C & BARBARA	107	107	0	0	107		\$0.00		\$0.00
ORMSBY, HARRY G	386	285	101	0	285		\$0.00		\$0.00
PALISADES RANCH	824	NS	NS	NS	NS		NS		NS
PARKER, DAVID E	37	20	17	0	20		\$0.00		\$0.00
PAUSTELL, JOAN & GERALD	9	2	7	0	2		\$0.00		\$0.00
PEARL, ALICE	147	147	0	0	147		\$0.00		\$0.00
PERRY, THOMAS A	35	29	6	0	29		\$0.00		\$0.00
PETTIS TRUST	126	67	59	0	67		\$0.00		\$0.00
PHENIX PROPERTIES LTD	652	0	652	0	0		\$0.00		\$0.00
PITTMAN, LEROY W	148	NS	NS	NS	NS		NS		NS
POLICH, LEE & DONNA	65	58	7	0	58		\$0.00		\$0.00
RANCHERITOS MUTUAL WATER CO	169	124	45	0	124		\$0.00		\$0.00
REED, DELBERT & LINDA (FORMERLY: CLARK, KENNETH R)	211	115	96	0	115		\$0.00		\$0.00
RIVERSIDE CEMENT CO - ORO GRANDE PLANT	3,452	3,285	167	0	3,285		\$0.00		\$0.00
ROGERS, ROY (ORO GRANDE RANCH)	115	115	0	0	115		\$0.00		\$0.00
RUDMAN, ROBERT T	300	191	109	0	191		\$0.00		\$0.00
RUE RANCH	30	NS	NS	NS	NS		NS		NS
SAN BERNARDINO CO SERVICE AREA 42	465	256	209	0	256		\$0.00		\$0.00
SAN BERNARDINO CO SERVICE AREA 64	3,822	4,388	0	566	3,822		\$60,607.28		\$60,607.28
SAN BERNARDINO CO SERVICE AREA 70C	2,346	2,724	0	378	2,346		\$40,476.24		\$40,476.24
SAN BERNARDINO CO SERVICE AREA 70J	1,005	1,105	0	100	1,005		\$10,708.00		\$10,708.00
SAN BERNARDINO CO SERVICE AREA 70L	355	487	0	132	355	0	\$14,134.56	0	\$14,134.56

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APPENDIX B
PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS FOR 1993-94
ALTO SUBAREA

PRODUCER	FREE PRODUCTION ALLOWANCE (ACRE-FEET)	1993-94 VERIFIED PRODUCTION (ACRE-FEET)	UNUSED FPA (ACRE-FEET) *	REPLACEMENT WATER OBLIGATION (ACRE-FEET)	PRODUCTION SUBJECT TO MAKEUP OBLIGATION (ACRE-FEET)	MAKEUP WATER OBLIGATION (ACRE-FEET)	ASSESSMENTS DUE BY JULY 1, 1995		TOTAL
							REPLACEMENT WATER	MAKEUP WATER	
							\$ 107.08 /AF	\$ 107.08 /AF	
SAN FILIPPO, JOSEPH & SHELLEY	35	3	32	0	3	0	\$0.00	0	\$0.00
SILVER LAKES ASSOCIATION	3,987	2,947	1,040	0	2,947		\$0.00		\$0.00
SOUTHERN CALIFORNIA WATER COMPANY	940	929	11	0	929		\$0.00		\$0.00
SOUTHWESTERN PORTLAND CEMENT COMPANY	1,519	1,282	237	0	1,282		\$0.00		\$0.00
SPRING VALLEY LAKE ASSOCIATION	3,056	1,342	1,714	0	1,342		\$0.00		\$0.00
SPRING VALLEY LAKE COUNTRY CLUB	977	396	581	0	396		\$0.00		\$0.00
STORM, RANDALL	62	2	60	0	2		\$0.00		\$0.00
SUDMEIER, GLENN W	121	36	85	0	36		\$0.00		\$0.00
SUMMIT VALLEY RANCH	452	452	0	0	452		\$0.00		\$0.00
TATRO, RICHARD K. & SANDRA A. (FORMERLY: PAUSTELL, JOAN & GERALD)	280	0	280	0	0		\$0.00		\$0.00
TAYLOR, ALLEN C / HAYMAKER RANCH	456	0	456	0	0		\$0.00		\$0.00
THOMAS, S DALE	440	440	0	0	440		\$0.00		\$0.00
THOMAS, WALTER	36	NS	NS	NS	NS		NS		NS
THOMPSON, JAMES A	418	418	0	0	418		\$0.00		\$0.00
THOMPSON, RODGER	76	58	18	0	58		\$0.00		\$0.00
THRASHER, GARY	373	234	139	0	234		\$0.00		\$0.00
THUNDERBIRD COUNTY WATER DISTRICT	118	NS	NS	NS	NS		NS		NS
TURNER, ROBERT	70	54	16	0	54		\$0.00		\$0.00
VAIL, JOSEPH B & PAULA E	48	NS	NS	NS	NS		NS		NS
VAN BURGER, CARL (FORMERLY: DURSTON, ERNEST)	357	NS	NS	NS	NS		NS		NS
VAN LEEUWEN FAMILY TRUST	341	243	98	0	243		\$0.00		\$0.00
VANNI, MIKE (FORMERLY: BEAR VALLEY MOBILE HOME PARK)	54	NS	NS	NS	NS		NS		NS
VICTOR VALLEY COMMUNITY COLLEGE DIST	240	205	35	0	205		\$0.00		\$0.00
VICTOR VALLEY WATER DISTRICT	13,354	15,073	0	1,719	13,354		\$184,070.52		\$184,070.52
VICTORVILLE, CITY OF	12	12	0	0	12	0	\$0.00	0	\$0.00

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ALTO SUBAREA

PRODUCER	FREE PRODUCTION ALLOWANCE (ACRE-FEET)	1993-94 VERIFIED PRODUCTION (ACRE-FEET)	UNUSED FPA (ACRE-FEET) *	REPLACEMENT WATER OBLIGATION (ACRE-FEET)	PRODUCTION SUBJECT TO MAKEUP OBLIGATION (ACRE-FEET)	MAKEUP WATER OBLIGATION (ACRE-FEET)	ASSESSMENTS DUE BY JULY 1, 1995		TOTAL
							REPLACEMENT WATER \$ 107.08 /AF	MAKEUP WATER \$ 107.08 /AF	
VOGLER, ALBERT H	132	42	90	0	42	0	\$0.00	0	\$0.00
WACKEEN, CAESAR	1,635	1,635	0	0	1,635		\$0.00		\$0.00
WAKULA, JOHN & HELEN	291	NS	NS	NS	NS		NS		NS
WARD, KEN & BARBARA	65	65	0	0	65		\$0.00		\$0.00
WEBER, DAVE	80	NS	NS	NS	NS		NS		NS
WEST, CAROLYN & SMITH, RICHARD	24	5	19	0	5		\$0.00		\$0.00
WEST, HOWARD & SUZY	72	1	71	0	1		\$0.00		\$0.00
WHITTINGHAM, RICHARD V	15	15	0	0	15		\$0.00		\$0.00
YEAGER, E L - CONSTRUCTION COMPANY INC	34	0	34	0	0	0	\$0.00	0	\$0.00
TOTAL	111,570	81,050	15,118	4,684	76,366	0	\$501,562.72	0	\$501,562.72
MANDATORY REPLACEMENT IN TRANSITION ZONE **	24,036	13,378		0					

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** IF TOTAL PRODUCTION IN THE TRANSITION ZONE IS IN EXCESS OF TOTAL FPA IN THE TRANSITION ZONE DURING THE YEAR, THEN THE EXCESS MUST BE REPLACED IN THE TRANSITION ZONE. OTHERWISE ANY TRANSITION ZONE PRODUCER'S REPLACEMENT WATER CAN BE REPLACED ELSEWHERE IN THE ALTO SUBAREA.

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APPENDIX B
PRODUCER REPLACEMENT WATER
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ASSESSMENTS FOR 1993-94
CENTRO SUBAREA

PRODUCER	FREE PRODUCTION ALLOWANCE (ACRE-FEET)	1993-94 VERIFIED PRODUCTION (ACRE-FEET)	UNUSED FPA (ACRE-FEET) *	REPLACEMENT WATER OBLIGATION (ACRE-FEET)	PRODUCTION SUBJECT TO MAKEUP OBLIGATION (ACRE-FEET)	MAKEUP WATER OBLIGATION (ACRE-FEET)	ASSESSMENTS DUE BY JULY 1, 1995		TOTAL
							REPLACEMENT WATER \$ 107.08 /AF	MAKEUP WATER \$ 107.08 /AF	
ACE EXPLORATION/WATER DRILLING CO	0	NS	NS	NS	NS	0	NS	0	NS
AGCON, INC	0	NS	NS	NS	NS		NS		NS
AGUAYO, JEANETTE L	61	11	50	0	11		\$0.00		\$0.00
ATCHISON, TOPEKA, SANTA FE RAILWAY CO	120	120	0	0	120		\$0.00		\$0.00
AVDEEF, THOMAS & LUCILLE	34	34	0	0	34		\$0.00		\$0.00
BARNES, FAY (FORMERLY: BARNES, WAYNE)	243	NS	NS	NS	NS		NS		NS
BRENTWOOD MORTGAGE	350	NS	NS	NS	NS		NS		NS
BROMMER, MARVIN	361	NS	NS	NS	NS		NS		NS
BURNS, RITA J & PAMELA E	16	NS	NS	NS	NS		NS		NS
CHAFI, LARRY R	96	13	83	0	13		\$0.00		\$0.00
CHOI, YONG IL & JOUNG AE	38	NS	NS	NS	NS		NS		NS
CHRISTISON, JOEL	75	75	0	0	75		\$0.00		\$0.00
COOK, KWON W	169	NS	NS	NS	NS		NS		NS
DE VRIES, NEIL	3,800	NS	NS	NS	NS		NS		NS
DESERT COMMUNITY BANK	50	NS	NS	NS	NS		NS		NS
DURAN, FRANK T	50	28	22	0	28		\$0.00		\$0.00
GAINES, JACK & MARY	117	117	0	0	117		\$0.00		\$0.00
GESIRIECH, WAYNE	121	78	43	0	78		\$0.00		\$0.00
GORMAN, VIRGIL	138	NS	NS	NS	NS		NS		NS
GORMAN, VIRGIL (FORMERLY: AZTEC FARM DEVELOPMENT CO)	220	0	220	0	0		\$0.00		\$0.00
GRIEDER, RAYMOND H & DORISANNE	30	NS	NS	NS	NS		NS		NS
GRILL, NICHOLAS P & MILLIE D	21	21	0	0	21		\$0.00		\$0.00
GROEN, CORNELIUS	1,043	NS	NS	NS	NS		NS		NS
HANIFY, DBA - WHITE BEAR RANCH	152	2	150	0	2		\$0.00		\$0.00
HARMSSEN, JAMES & RUTH ANN (FORMERLY: YKEMA TRUST)	1,522	1,522	0	0	1,522		\$0.00		\$0.00
HARPER LAKE COMPANY	1,433	1,058	375	0	1,058	0	\$0.00	0	\$0.00

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MAKEUP WATER OBLIGATIONS
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ASSESSMENTS FOR 1993-94
CENTRO SUBAREA

PRODUCER	FREE PRODUCTION ALLOWANCE (ACRE-FEET)	1993-94 VERIFIED PRODUCTION (ACRE-FEET)	UNUSED FPA (ACRE-FEET) *	REPLACEMENT WATER OBLIGATION (ACRE-FEET)	PRODUCTION SUBJECT TO MAKEUP OBLIGATION (ACRE-FEET)	MAKEUP WATER OBLIGATION (ACRE-FEET)	ASSESSMENTS DUE BY JULY 1, 1995		TOTAL
							REPLACEMENT WATER \$ 107.08 /AF	MAKEUP WATER \$ 107.08 /AF	
HI DESERT MUTUAL WATER CO	34	34	0	0	34	0	\$0.00	0	\$0.00
HIGH DESERT DEVELOPMENT CO	337	302	35	0	302		\$0.00		\$0.00
HILEMAN, KATHERINE	19	NS	NS	NS	NS		NS		NS
HILL, MELVIN	2,335	310	2,025	0	310		\$0.00		\$0.00
HOWARD, NORMAN A	113	NS	NS	NS	NS		NS		NS
HOY, MIKE	632	526	106	0	526		\$0.00		\$0.00
JORDAN, RAYMOND	460	NS	NS	NS	NS		NS		NS
JUSTICE, CHRIS	421	NS	NS	NS	NS		NS		NS
KING, GENEVIEVE E	69	NS	NS	NS	NS		NS		NS
LEE, SEPOONG ETAL & WOO POONG	77	NS	NS	NS	NS		NS		NS
LEYERLY, GENEVA	65	NS	NS	NS	NS		NS		NS
LEYERLY, RICHARD	862	NS	NS	NS	NS		NS		NS
LYON, LOUIS & ERIKA	130	2	128	0	2		\$0.00		\$0.00
MARTIN, LENDELL	14	6	8	0	6		\$0.00		\$0.00
MCCOLLUM, CHARLES L	347	142	205	0	142		\$0.00		\$0.00
MEAD, G C	90	90	0	0	90		\$0.00		\$0.00
MEYERS, LONNIE	27	NS	NS	NS	NS		NS		NS
MITCHELL, CHARLES A	201	NS	NS	NS	NS		NS		NS
MOFFITT, THOMAS R & EDITH I	62	2	60	0	2		\$0.00		\$0.00
MOST, MILTON W	9,660	5,329	4,331	0	5,329		\$0.00		\$0.00
NELSON, MILDRED L	52	NS	NS	NS	NS		NS		NS
OROPEZA, JOSE M	190	NS	NS	NS	NS		NS		NS
OSTERKAMP, GEROLD	260	NS	NS	NS	NS		NS		NS
OWL ROCK PRODUCTS COMPANY	466	327	139	0	327		\$0.00		\$0.00
PG & E	1,657	1,657	0	0	1,657	0	\$0.00	0	\$0.00

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PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
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ASSESSMENTS FOR 1993-94
CENTRO SUBAREA

PRODUCER	FREE PRODUCTION ALLOWANCE (ACRE-FEET)	1993-94 VERIFIED PRODUCTION (ACRE-FEET)	UNUSED FPA (ACRE-FEET) *	REPLACEMENT WATER OBLIGATION (ACRE-FEET)	PRODUCTION SUBJECT TO MAKEUP OBLIGATION (ACRE-FEET)	MAKEUP WATER OBLIGATION (ACRE-FEET)	ASSESSMENTS DUE BY JULY 1, 1995		TOTAL
							REPLACEMENT WATER \$ 107.08 /AF	MAKEUP WATER \$ 107.08 /AF	
REDDY, BOMMI V & KARUNA V	24	10	14	0	10	0	\$0.00	0	\$0.00
REES, MIKE & SUE (FORMERLY: LUDINGTON, JAMES E & JO ANN)	58	2	56	0	2		\$0.00		\$0.00
ROWLAND, JAMES & HELEN	22	3	19	0	3		\$0.00		\$0.00
RUISCH, DALE W	650	650	0	0	650		\$0.00		\$0.00
SHIRKEY, ALAN G & MARY E	35	NS	NS	NS	NS		NS		NS
SMITH, ROBERT A	43	43	0	0	43		\$0.00		\$0.00
SOPPELAND, WAYNE	783	628	155	0	628		\$0.00		\$0.00
SOUTHERN CALIFORNIA WATER COMPANY	11,309	10,207	1,102	0	10,207		\$0.00		\$0.00
SPINK, WALTHALL	44	44	0	0	44		\$0.00		\$0.00
ST CHARLES, DONALD B	609	371	238	0	371		\$0.00		\$0.00
TALLAKSON, WILLIAM V & ELIZABETH A	17	NS	NS	NS	NS		NS		NS
TILLEMA, HAROLD	874	833	41	0	833		\$0.00		\$0.00
VAN DAM, ELBERT & SUSAN	722	207	515	0	207		\$0.00		\$0.00
VAN LEEUWEN, JOHN	1,922	NS	NS	NS	NS		NS		NS
VAN VLIET, HENDRIKA	820	NS	NS	NS	NS		NS		NS
VANHOY, LUTHER C & ROBERTA L	23	NS	NS	NS	NS		NS		NS
VERNOLA, PAT	3,116	NS	NS	NS	NS		NS		NS
VISSER, ANNIE (FORMERLY: VISSER, STANLEY)	91	91	0	0	91		\$0.00		\$0.00
YANG, YOUNG MO	371	NS	NS	NS	NS		NS		NS
YKEMA HARMSSEN DAIRY	1,000	1,000	0	0	1,000	0	\$0.00	0	\$0.00
TOTAL	51,373	25,895	10,120	0	25,895	0	\$0.00	0	\$0.00

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APPENDIX B
PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS FOR 1993-94
BAJA SUBAREA

PRODUCER	FREE PRODUCTION ALLOWANCE (ACRE-FEET)	1993-94 VERIFIED PRODUCTION (ACRE-FEET)	UNUSED FPA (ACRE-FEET) *	REPLACEMENT WATER OBLIGATION (ACRE-FEET)	PRODUCTION SUBJECT TO MAKEUP OBLIGATION (ACRE-FEET)	MAKEUP WATER OBLIGATION (ACRE-FEET)	ASSESSMENTS DUE BY JULY 1, 1995		TOTAL
							REPLACEMENT WATER \$ 107.08 /AF	MAKEUP WATER \$ 107.08 /AF	
AKE, CHARLES J & MARJORIE M	23	13	10	0	13	0	\$0.00	0	\$0.00
ANGERER, ROBERT J & PEGGY	24	8	16	0	8		\$0.00		\$0.00
ANTELOPE VALLEY DAIRY	5,430	5,430	0	0	5,430		\$0.00		\$0.00
ARGUELLES, ALFREDO	1,047	677	370	0	677		\$0.00		\$0.00
ATCHISON, TOPEKA, SANTA FE RAILWAY CO	80	80	0	0	80		\$0.00		\$0.00
BAGLEY, ROY	20	20	0	0	20		\$0.00		\$0.00
BALDERRAMA, ALFRED & LINDA (FORMERLY: BODINE, LARRY & DANNY)	250	NS	NS	NS	NS		NS		NS
BALL, DAVID P	81	NS	NS	NS	NS		NS		NS
BARAK, RICHARD	132	78	54	0	78		\$0.00		\$0.00
BARBER, JAMES B	167	127	40	0	127		\$0.00		\$0.00
BARSTOW CALICO K O A	24	17	7	0	17		\$0.00		\$0.00
BAUR, KARL & RITA	26	NS	NS	NS	NS		NS		NS
BEDINGFIELD, LYNDELL & CHARLENE	56	30	26	0	30		\$0.00		\$0.00
BENTON, PHILIP G	35	NS	NS	NS	NS		NS		NS
BLUE PINE LAKE ASSOC	45	NS	NS	NS	NS		NS		NS
BORGOGNO, STEVE	1,844	1,885	0	41	1,844		\$4,390.28		\$4,390.28
BOWMAN, EDWIN L	31	24	7	0	24		\$0.00		\$0.00
BROWN, RONALD A	1,080	689	391	0	689		\$0.00		\$0.00
BROWY, ORVILLE & LOUISE	33	33	0	0	33		\$0.00		\$0.00
BRUNS, NICHOLAS	29	29	0	0	29		\$0.00		\$0.00
CALICO LAKES HOMEOWNERS ASSOCIATION	177	177	0	0	177		\$0.00		\$0.00
CALIF DEPT OF TRANSPORTATION	71	71	0	0	71		\$0.00		\$0.00
CAMPBELL, BARBARA N	15	NS	NS	NS	NS		NS		NS
CAMPBELL, M A & DIANNE	22	NS	NS	NS	NS	0	NS	0	NS

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PRODUCER	FREE	1993-94	UNUSED	REPLACEMENT	PRODUCTION	MAKEUP	ASSESSMENTS DUE BY JULY 1, 1995		TOTAL
	PRODUCTION ALLOWANCE (ACRE-FEET)	VERIFIED PRODUCTION (ACRE-FEET)	FPA (ACRE-FEET) *	WATER OBLIGATION (ACRE-FEET)	SUBJECT TO MAKEUP OBLIGATION (ACRE-FEET)	WATER OBLIGATION (ACRE-FEET)	REPLACEMENT WATER \$ 107.08 /AF	MAKEUP WATER \$ 107.08 /AF	
CARTER, JOHN THOMAS	746	746	0	0	746	0	\$0.00	0	\$0.00
CDFG - CAMP CADY	14	14	0	0	14		\$0.00		\$0.00
CHANG, TIMOTHY & JANE	18	0	18	0	0		\$0.00		\$0.00
CHASTAIN, W C	100	6	94	0	6		\$0.00		\$0.00
CHEYENNE LAKE, INC	122	120	2	0	120		\$0.00		\$0.00
CHIAO MEI DEVELOPMENT	451	NS	NS	NS	NS		NS		NS
CHO BROTHERS RANCH	639	NS	NS	NS	NS		NS		NS
CHUANG, MARSHAL	70	70	0	0	70		\$0.00		\$0.00
CLEGG, FRIZELL & JOKE	29	25	4	0	25		\$0.00		\$0.00
(FORMERLY: DENNISON, QUENTIN D)									
CONNER, WILLIAM H	25	25	0	0	25		\$0.00		\$0.00
COOL WATER RANCH	76	58	18	0	58		\$0.00		\$0.00
CRYSTAL LAKES PROPERTY OWNERS ASSOCIATION	447	447	0	0	447		\$0.00		\$0.00
DAGGETT COMMUNITY SERVICES DISTRICT	235	NS	NS	NS	NS		NS		NS
DALJO CORPORATION	31	15	16	0	15		\$0.00		\$0.00
DAVIS, RONALD & DONNA	53	26	27	0	26		\$0.00		\$0.00
DE JONG, ALAN L	1,326	1,395	0	69	1,326		\$7,388.52		\$7,388.52
DESERT LAKES CORPORATION - (LAKE DOLORES)	483	65	418	0	65		\$0.00		\$0.00
DOCIMO, DONALD P & PATRICIA J	23	NS	NS	NS	NS		NS		NS
DONALDSON, JERRY & BEVERLY	90	NS	NS	NS	NS		NS		NS
ELLISON, SUSAN	15	15	0	0	15		\$0.00		\$0.00
EVKHANIAN, JAMES H	110	NS	NS	NS	NS		NS		NS
FAWCETT, EDWARD C	20	6	14	0	6		\$0.00		\$0.00
FELIX, ALAN E & CAROL L	36	NS	NS	NS	NS		NS		NS
FERRO, DENNIS & NORMA	32	NS	NS	NS	NS		NS		NS
FRIEND, JOSEPH & DEBORAH	60	53	7	0	53	0	\$0.00	0	\$0.00

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PRODUCER	FREE PRODUCTION ALLOWANCE (ACRE-FEET)	1993-94 VERIFIED PRODUCTION (ACRE-FEET)	UNUSED FPA (ACRE-FEET) *	REPLACEMENT WATER OBLIGATION (ACRE-FEET)	PRODUCTION SUBJECT TO MAKEUP OBLIGATION (ACRE-FEET)	MAKEUP WATER OBLIGATION (ACRE-FEET)	ASSESSMENTS DUE BY JULY 1, 1995		TOTAL
							REPLACEMENT WATER \$ 107.08 /AF	MAKEUP WATER \$ 107.08 /AF	
FUNDAMENTAL CHRISTIAN ENDEAVOR	285	285	0	0	285	0	\$0.00	0	\$0.00
GARCIA, DANIEL	23	16	7	0	16		\$0.00		\$0.00
GOLD, HAROLD	249	220	29	0	220		\$0.00		\$0.00
GRAVES, CHESTER B	32	32	0	0	32		\$0.00		\$0.00
HAIGH, WHILLDYN & MARGARET	32	NS	NS	NS	NS		NS		NS
HALL, LARRY	23	NS	NS	NS	NS		NS		NS
HARALIK, BESS & ROBERT	27	17	10	0	17		\$0.00		\$0.00
HARDESTY, LESLIE E & BECKY J	47	47	0	0	47		\$0.00		\$0.00
HARESON, NICHOLAS & MARY	30	30	0	0	30		\$0.00		\$0.00
HARTER FARMS	1,083	1,091	0	8	1,083		\$856.64		\$856.64
HARTER, JOE & SUE	738	523	215	0	523		\$0.00		\$0.00
HARTLEY, LONNIE	19	19	0	0	19		\$0.00		\$0.00
HARVEY, FRANK	38	NS	NS	NS	NS		NS		NS
HENDLEY, RICK & BARBARA	48	27	21	0	27		\$0.00		\$0.00
HIETT, HARRY L & PATRICIA J	16	NS	NS	NS	NS		NS		NS
HILARIDES, FRANK	1,210	888	322	0	888		\$0.00		\$0.00
HOLLISTER, ROBERT H & RUTH M	44	NS	NS	NS	NS		NS		NS
HONG, PAUL B & MAY	95	95	0	0	95		\$0.00		\$0.00
HORTON'S CHILDREN'S TRUST	106	NS	NS	NS	NS		NS		NS
HORTON, JOHN MD	183	NS	NS	NS	NS		NS		NS
HOSKING, JOHN W & JEAN	94	94	0	0	94		\$0.00		\$0.00
HOWARD, NORMAN A	29	NS	NS	NS	NS		NS		NS
HUBBARD, ESTER & MIZUNO, ARLEAN	28	NS	NS	NS	NS		NS		NS
HUNT, RALPH M & LILLIAN F	31	3	28	0	3		\$0.00		\$0.00
HUTCHISON, WILLIAM O	56	1	55	0	1	0	\$0.00	0	\$0.00

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PRODUCER	FREE PRODUCTION ALLOWANCE (ACRE-FEET)	1993-94 VERIFIED PRODUCTION (ACRE-FEET)	UNUSED FPA (ACRE-FEET) *	REPLACEMENT WATER OBLIGATION (ACRE-FEET)	PRODUCTION SUBJECT TO MAKEUP OBLIGATION (ACRE-FEET)	MAKEUP WATER OBLIGATION (ACRE-FEET)	ASSESSMENTS DUE BY JULY 1, 1995		TOTAL
							REPLACEMENT WATER \$ 107.08 /AF	MAKEUP WATER \$ 107.08 /AF	
HYATT, JAMES & BRENDA	210	22	188	0	22	0	\$0.00	0	\$0.00
IRVIN, BERTRAND W	29	29	0	0	29		\$0.00		\$0.00
J V A AIR INC	54	NS	NS	NS	NS		NS		NS
JACKSON, RAY	20	NS	NS	NS	NS		NS		NS
JOHNSON, JAMES R	247	160	87	0	160		\$0.00		\$0.00
JUSTICE, CHRIS	6	NS	NS	NS	NS		NS		NS
KAPLAN, ABRAHAM M	76	NS	NS	NS	NS		NS		NS
KASNER, ROBERT	1,001	NS	NS	NS	NS		NS		NS
KATCHER, AUGUST M & MARCELINE	23	NS	NS	NS	NS		NS		NS
KEMP, ROBERT & ROSE	32	6	26	0	6		\$0.00		\$0.00
KIEL, MARY	34	34	0	0	34		\$0.00		\$0.00
KIM, JOON HO	764	711	53	0	711		\$0.00		\$0.00
KOSHAREK, JOHN & JOANNE	54	54	0	0	54		\$0.00		\$0.00
LAKE JODIE PROPERTY OWNERS ASSOCIATION	254	254	0	0	254		\$0.00		\$0.00
LAKE WAIKIKI	98	98	0	0	98		\$0.00		\$0.00
LAKE WAINANI OWNERS ASSOCIATION	202	207	0	5	202		\$535.40		\$535.40
LANGLEY, MICHAEL R & SHARON	20	NS	NS	NS	NS		NS		NS
LAWRENCE, WILLIAM W	45	NS	NS	NS	NS		NS		NS
LEE, MOON & OKBEA	49	NS	NS	NS	NS		NS		NS
LEE, VIN JANG T	630	630	0	0	630		\$0.00		\$0.00
LESHIN, CONNIE & SOL	1,416	1,416	0	0	1,416		\$0.00		\$0.00
LESHIN, SOL	1,997	1,967	30	0	1,967		\$0.00		\$0.00
LEVINE, DR LESLIE	1,637	1,637	0	0	1,637		\$0.00		\$0.00
LINT, GORDON	19	NS	NS	NS	NS		NS		NS
LONG, BALLARD	35	1	34	0	1		\$0.00		\$0.00
M BIRD CONSTRUCTION	41	NS	NS	NS	NS	0	NS	0	NS

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PRODUCER	FREE PRODUCTION ALLOWANCE (ACRE-FEET)	1993-94 VERIFIED PRODUCTION (ACRE-FEET)	UNUSED FPA (ACRE-FEET) *	REPLACEMENT WATER OBLIGATION (ACRE-FEET)	PRODUCTION SUBJECT TO MAKEUP OBLIGATION (ACRE-FEET)	MAKEUP WATER OBLIGATION (ACRE-FEET)	ASSESSMENTS DUE BY JULY 1, 1995		TOTAL
							REPLACEMENT WATER	MAKEUP WATER	
							\$ 107.08 /AF	\$ 107.08 /AF	
MAHJOUBI, AFSAR S	63	NS	NS	NS	NS	0	NS	0	NS
MALIN, LILY	54	NS	NS	NS	NS		NS		NS
MALONEY, JANICE	36	NS	NS	NS	NS		NS		NS
MARCROFT, JAMES A & JOAN	38	NS	NS	NS	NS		NS		NS
MARSHALL, CHARLES	20	NS	NS	NS	NS		NS		NS
MAYBERRY, DONALD J & SANDRA D	41	NS	NS	NS	NS		NS		NS
MILBRAT, IRVING & DIXIE	73	61	12	0	61		\$0.00		\$0.00
MITCHELL, CHARLOTTE	115	8	107	0	8		\$0.00		\$0.00
MITCHELL, JAMES L & CHERYL A	155	1	154	0	1		\$0.00		\$0.00
MOORE, WAYNE G & JULIA H	103	103	0	0	103		\$0.00		\$0.00
MORRIS, BETTY (FORMERLY: MORRIS, KARL)	304	2	302	0	2		\$0.00		\$0.00
MULLIGAN, ROBERT & INEZ	35	35	0	0	35		\$0.00		\$0.00
NEWBERRY CALICO GROUP (FORMERLY: CALICO LAKES HOMEOWNERS ASSOC.)	854	1,039	0	185	854		\$19,809.80		\$19,809.80
NEWBERRY COMMUNITY SERVICE DIST	23	23	0	0	23		\$0.00		\$0.00
NU VIEW DEVELOPMENT, INC	2,899	2,909	0	10	2,899		\$1,070.80		\$1,070.80
O F D L INC	109	109	0	0	109		\$0.00		\$0.00
O'KEEFE, SARAH-LEE & JOKE E	50	NS	NS	NS	NS		NS		NS
P & H ENGINEERING & DEV CORP	667	NS	NS	NS	NS		NS		NS
PAGE LAND INVESTMENTS INC	845	NS	NS	NS	NS		NS		NS
PARKER, GEORGE R	144	98	46	0	98		\$0.00		\$0.00
PATHFINDER INVESTORS	472	33	439	0	33		\$0.00		\$0.00
PAYAN, PAUL	32	NS	NS	NS	NS		NS		NS
PERKO, BERT K	132	NS	NS	NS	NS		NS		NS
PITTS, JOE & STELLA	30	NS	NS	NS	NS		NS		NS
POHL, ANDREAS & CATHLYN	17	17	0	0	17		\$0.00		\$0.00
POLAND, JOHN R & SANDRA M	92	NS	NS	NS	NS	0	NS	0	NS

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PRODUCER	FREE PRODUCTION ALLOWANCE (ACRE-FEET)	1993-94 VERIFIED PRODUCTION (ACRE-FEET)	UNUSED FPA (ACRE-FEET) *	REPLACEMENT WATER OBLIGATION (ACRE-FEET)	PRODUCTION SUBJECT TO MAKEUP OBLIGATION (ACRE-FEET)	MAKEUP WATER OBLIGATION (ACRE-FEET)	ASSESSMENTS DUE BY JULY 1, 1995		TOTAL
							REPLACEMENT WATER \$ 107.08 /AF	MAKEUP WATER \$ 107.08 /AF	
PRICE, ALAN E	37	25	12	0	25	0	\$0.00	0	\$0.00
PRICE, DONALD & RUTH	42	8	34	0	8		\$0.00		\$0.00
PUCKHABER, WILLIAM F TRUST	63	NS	NS	NS	NS		NS		NS
PURCIO, THOMAS F & PATRICIA A (FORMERLY: KENNEDY, THOMAS)	80	NS	NS	NS	NS		NS		NS
RANDOLPH, JOAN E	24	24	0	0	24		\$0.00		\$0.00
REEVES, RICHARD	230	NS	NS	NS	NS		NS		NS
REYNOLDS, ARDEN & MARY	54	NS	NS	NS	NS		NS		NS
RICE, DANIEL & MARY	121	110	11	0	110		\$0.00		\$0.00
RICE, HENRY C & DIANA	24	24	0	0	24		\$0.00		\$0.00
RIEGER, WALTER M	62	54	8	0	54		\$0.00		\$0.00
RIKUO CORPORATION	1,517	0	1,517	0	0		\$0.00		\$0.00
ROSSI, JAMES L & NAOMI I	614	600	14	0	600		\$0.00		\$0.00
ROTEX CONSTRUCTION COMPANY	2,529	0	2,529	0	0		\$0.00		\$0.00
SAN BERNARDINO CO BARSTOW - DAGGETT AIRPORT	168	164	4	0	164		\$0.00		\$0.00
SANTUCCI, ANTONIO & WILSA	30	9	21	0	9		\$0.00		\$0.00
SCOGGINS, JERRY	105	102	3	0	102		\$0.00		\$0.00
SHEPPARD, THOMAS & GLORIA	217	NS	NS	NS	NS		NS		NS
SHORT, CHARLES & MARGARET	54	51	3	0	51		\$0.00		\$0.00
SHORT, JEFF (FORMERLY: SHORT, JAMES)	30	NS	NS	NS	NS		NS		NS
SMITH, WILLIAM E	19	19	0	0	19		\$0.00		\$0.00
SNYDER, KRYL K & ROUTH, RICHARD J	64	NS	NS	NS	NS		NS		NS
SOUTHERN CALIFORNIA EDISON CO - AGRICULTURE	5,858	5,596	262	0	5,596		\$0.00		\$0.00
SOUTHERN CALIFORNIA EDISON CO - INDUSTRIAL	4,565	2,245	2,320	0	2,245		\$0.00		\$0.00
SOUTHERN CALIFORNIA GAS COMPANY	98	91	7	0	91		\$0.00		\$0.00
SPOHN, JACK & DELINDA (FORMERLY: WARD, ERNEST & LAURA)	38	NS	NS	NS	NS	0	NS	0	NS

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MAKEUP WATER OBLIGATIONS
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BAJA SUBAREA**

PRODUCER	FREE PRODUCTION ALLOWANCE (ACRE-FEET)	1993-94 VERIFIED PRODUCTION (ACRE-FEET)	UNUSED FPA (ACRE-FEET)	REPLACEMENT WATER OBLIGATION (ACRE-FEET)	PRODUCTION SUBJECT TO MAKEUP OBLIGATION (ACRE-FEET)	MAKEUP WATER OBLIGATION (ACRE-FEET)	ASSESSMENTS DUE BY JULY 1, 1995		TOTAL
							REPLACEMENT WATER \$ 107.08 /AF	MAKEUP WATER \$ 107.08 /AF	
ST ANTONY COPTIC ORTHODOX MONASTERY	99	22	77	0	22	0	\$0.00	0	\$0.00
ST ANTONY COPTIC ORTHODOX MONASTERY (FORMERLY: IRWIN, GRACE)	31	31	0	0	31		\$0.00		\$0.00
STEWART, STANLEY & PATRICIA	27	27	0	0	27		\$0.00		\$0.00
SUGA, TAKEAKI	154	NS	NS	NS	NS		NS		NS
SUNDOWN LAKES, INC	168	168	0	0	168		\$0.00		\$0.00
SWARTZ, ROBERT & IRENE	50	NS	NS	NS	NS		NS		NS
TAPIE, RAYMOND L SR & MURIEL A	18	5	13	0	5		\$0.00		\$0.00
TAYLOR, TOM	503	1	502	0	1		\$0.00		\$0.00
THAYER, SHARON	58	51	7	0	51		\$0.00		\$0.00
THE 160 NEWBERRY RANCH CALIFORNIA, LTD	1,033	554	479	0	554		\$0.00		\$0.00
TRIPLE H PARTNERSHIP	993	993	0	0	993		\$0.00		\$0.00
UNION PACIFIC RAILROAD COMPANY	249	29	220	0	29		\$0.00		\$0.00
VAN BASTELAAR, ALPHONSE	78	66	12	0	66		\$0.00		\$0.00
VAN DIEST, CORNELIUS	934	821	113	0	821		\$0.00		\$0.00
VAN LEEUWEN, JOHN	1,084	NS	NS	NS	NS		NS		NS
VANDER DUSSEN, AGNES (FORMERLY: VANDER DUSSEN, ED)	1,792	NS	NS	NS	NS		NS		NS
VAUGHT, ROBERT E & KAREN M	43	NS	NS	NS	NS		NS		NS
VERNOLA, PAT	1,310	NS	NS	NS	NS		NS		NS
WARD, RONNY H	110	19	91	0	19		\$0.00		\$0.00
WARD, RONNY H (FORMERLY: WARD, DONNA)	20	4	16	0	4		\$0.00		\$0.00
WEBER, F R & JUNELL	96	NS	NS	NS	NS		NS		NS
WEBSTER, THOMAS M & PATRICIA J	24	NS	NS	NS	NS		NS		NS
WEIDKNECHT, ARTHUR J & PEGGY A	79	2	77	0	2		\$0.00		\$0.00
WESTERN HORIZON ASSOCIATES INC	1,188	840	348	0	840		\$0.00		\$0.00
WESTERN ROCK PRODUCTS	31	31	0	0	31		\$0.00		\$0.00
WET SET, INC	129	129	0	0	129		\$0.00		\$0.00
WITTE, E DANIEL & MARCIA	27	NS	NS	NS	NS	0	NS	0	NS

NOTES:

- * UNUSED FPA MAY BE TRANSFERABLE AS CARRY OVER WATER DURING 1994-95 SUBJECT TO THE TRANSFER PROVISIONS OF THE STIPULATED JUDGMENT AND ANY ADJUSTMENTS BY WATERMASTER FOR CHANGES IN CONSUMPTIVE USES.

NS INDICATES A NON-STIPULATED PARTY.

APPENDIX B
PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS FOR 1993-94
BAJA SUBAREA

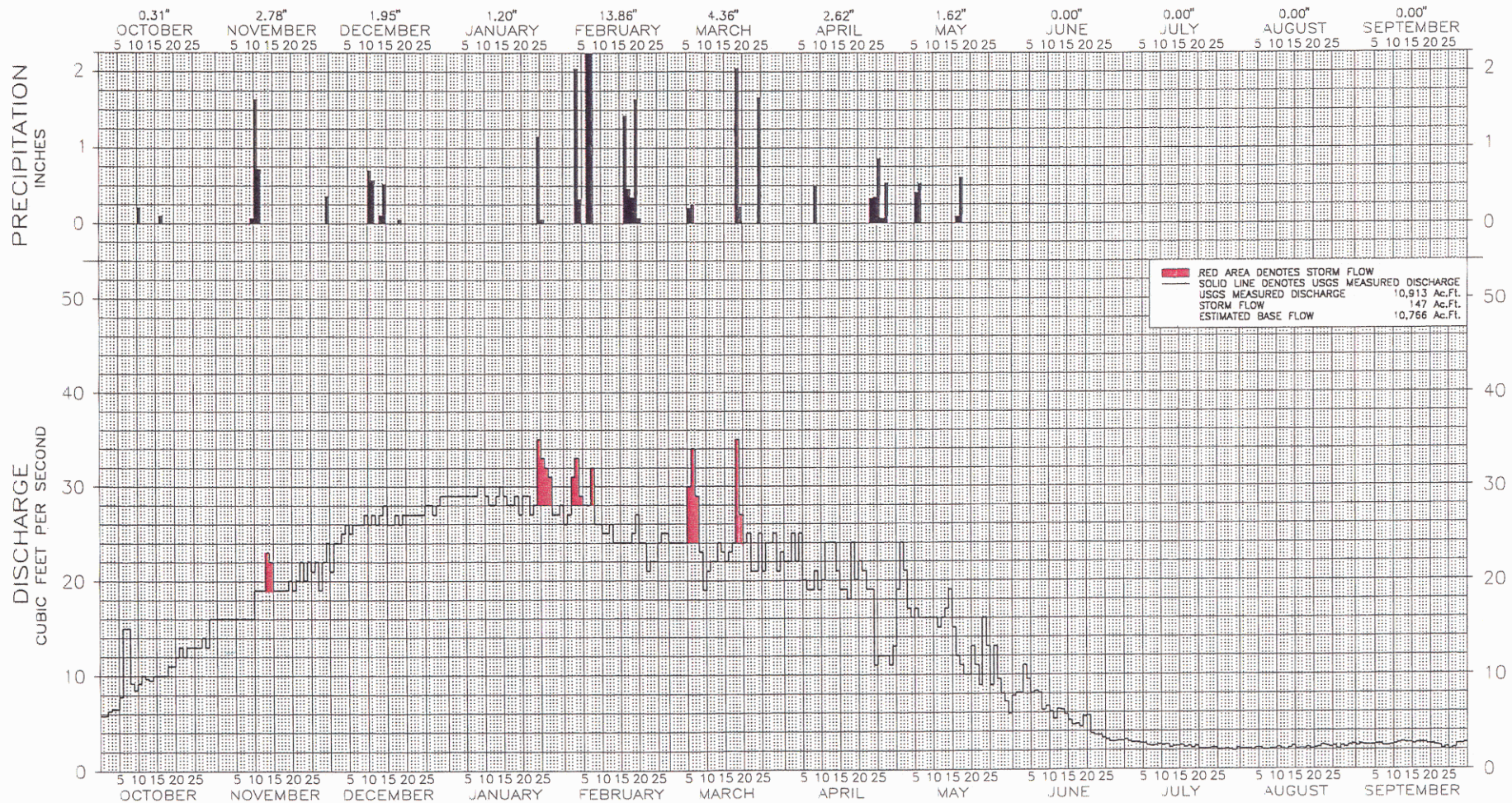
PRODUCER	FREE PRODUCTION ALLOWANCE (ACRE-FEET)	1993-94 VERIFIED PRODUCTION (ACRE-FEET)	UNUSED FPA (ACRE-FEET)	REPLACEMENT WATER OBLIGATION (ACRE-FEET)	PRODUCTION SUBJECT TO MAKEUP OBLIGATION (ACRE-FEET)	MAKEUP WATER OBLIGATION (ACRE-FEET)	ASSESSMENTS DUE BY JULY 1, 1995		TOTAL
							REPLACEMENT WATER	MAKEUP WATER	
							\$ 107.08 /AF	\$ 107.08 /AF	
WLSR INC	133	133	0	0	133	0	\$0.00	0	\$0.00
WOO, CHEN	57	NS	NS	NS	NS		NS		NS
WORSEY, JOSEPH A & REVAE	29	NS	NS	NS	NS		NS		NS
YARD, WILLIAM & BETTY	26	NS	NS	NS	NS		NS		NS
YERMO WATER COMPANY	453	NS	NS	NS	NS		NS		NS
YOUNG, KEITH O - (DESERT TURF)	312	224	88	0	224	0	\$0.00	0	\$0.00
TOTAL	64,936	40,798	12,492	318	40,480	0	\$34,051.44	0	\$34,051.44

NOTES:

- * UNUSED FPA MAY BE TRANSFERABLE AS CARRY OVER WATER DURING 1994-95 SUBJECT TO THE TRANSFER PROVISIONS OF THE STIPULATED JUDGMENT AND ANY ADJUSTMENTS BY WATERMASTER FOR CHANGES IN CONSUMPTIVE USES.

APPENDIX C

SEPARATION OF FLOW COMPONENTS AT LOWER NARROWS AND AFTON CANYON FOR 1993-94



DISCHARGE OF MOJAVE RIVER AT LOWER NARROWS & PRECIPITATION AT LAKE ARROWHEAD
WATER YEAR 1993 - 1994

MOJAVE RIVER AT LOWER NARROWS NEAR VICTORVILLE, CA

U.S.G.S. GAGING STATION NO. 10261500

WATER YEAR 1993-94

AVERAGE DAILY DISCHARGE, CUBIC FEET PER SECOND

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6	16	21	29	26	24	22	19	8	3	2	2
2	6	16	24	29	27	24	22	24	8	3	2	3
3	6	16	24	29	31	24	25	21	8	3	2	3
4	7	16	25	29	33	24	22	17	11	3	2	3
5	7	16	26	29	29	24	25	16	10	3	2	3
6	8	16	25	29	28	30	20	17	8	3	2	3
7	15	16	26	29	28	34	19	16	8	3	2	3
8	15	16	26	29	32	29	19	16	8	2	2	2
9	9	16	26	30	26	23	21	16	6	3	2	2
10	9	16	27	30	26	19	19	16	7	3	2	3
11	9	19	26	29	25	21	20	16	6	3	2	3
12	10	19	27	28	25	22	24	15	5	3	2	3
13	10	19	26	28	26	22	24	16	6	2	2	3
14	10	23	27	29	24	24	24	17	6	2	2	3
15	10	22	28	30	24	23	21	19	6	2	2	3
16	10	19	26	29	24	22	19	15	5	3	2	3
17	10	19	26	28	24	23	19	12	5	2	2	3
18	10	19	27	28	24	24	18	11	5	2	2	3
19	11	19	26	29	25	35	24	10	5	2	2	3
20	11	20	27	27	27	27	20	10	6	2	2	3
21	12	19	27	29	24	24	22	13	6	2	2	3
22	13	20	27	29	24	25	21	11	4	2	2	3
23	12	22	27	27	21	21	19	9	4	2	3	2
24	13	20	27	28	22	21	19	16	4	2	2	2
25	13	22	27	35	22	25	11	13	3	2	2	2
26	13	21	28	33	24	21	12	9	3	2	2	2
27	13	22	28	32	25	24	12	13	3	2	2	2
28	14	19	27	31	25	24	12	10	3	2	2	3
29	13	22	28	27	---	25	11	8	3	2	2	3
30	16	24	29	27	---	21	13	7	3	2	3	3
31	16	---	29	28	---	23	---	6	---	2	3	---
TOTAL (CFS)	335	569	820	903	721	752	579	433	172	74	69	76
ACRE-FEET	664	1,129	1,626	1,791	1,430	1,492	1,148	860	340	147	136	150

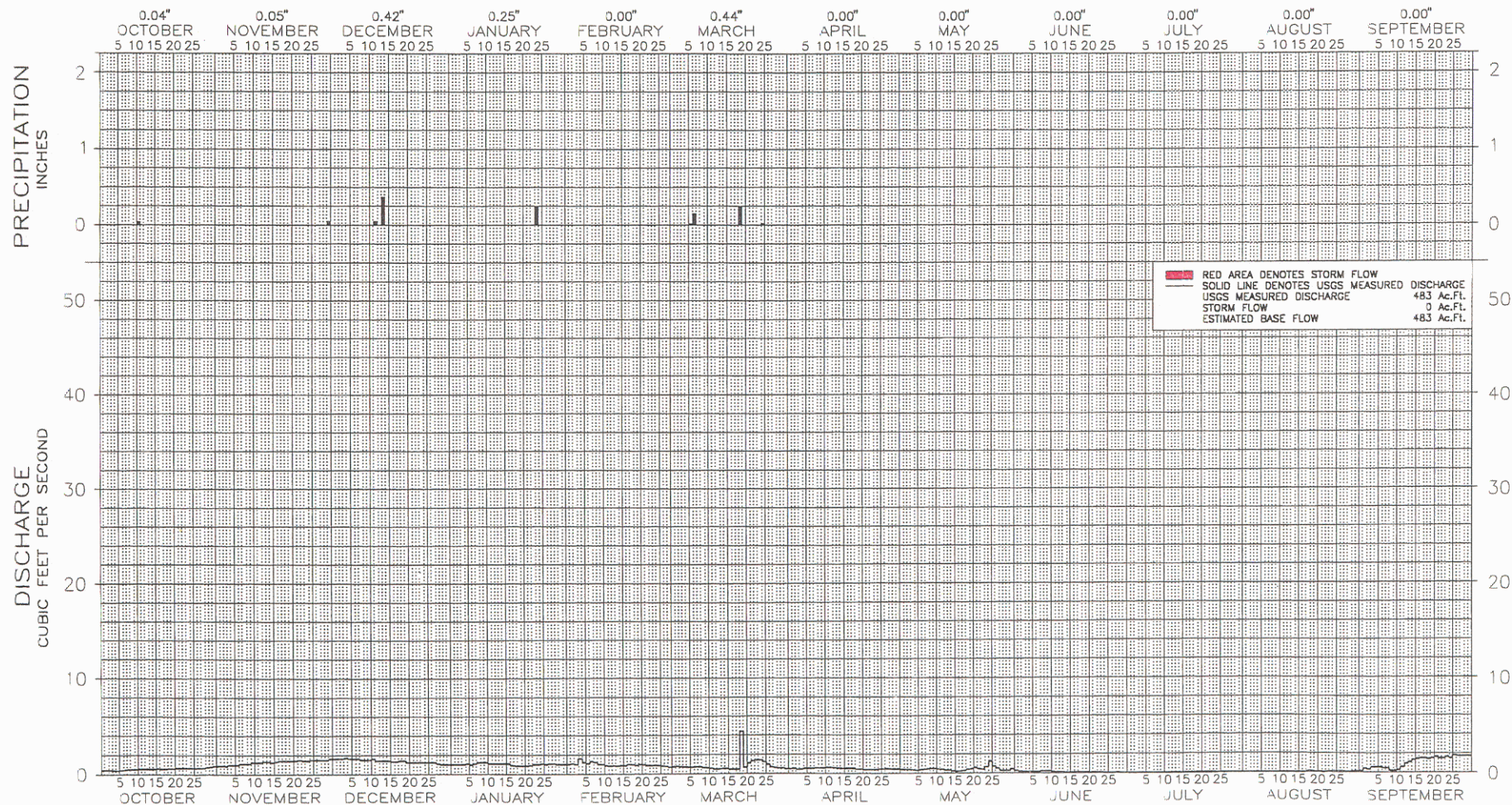
WATER YEAR TOTAL = 10,913 AC-FT

WATER YEAR 1993-94

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	2.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.41	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	2.72	0.24	0.00	0.52	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	4.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.00	0.00	0.00
10	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.21	1.63	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.72	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.10	0.00	0.00	0.00	1.42	0.00	0.00	0.09	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.60	0.00	0.00	0.00	0.00
19	0.00	0.00	0.05	0.00	0.35	2.04	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.63	0.22	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	1.15	0.00	1.66	0.35	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.05	0.00	0.00	0.85	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.36	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---

0.31	2.78	1.95	1.20	13.86	4.36	2.62	1.62	0.00	0.00	0.00	0.00
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WATER YEAR TOTAL = 28.70



DISCHARGE OF MOJAVE RIVER AT AFTON & PRECIPITATION AT BARSTOW
WATER YEAR 1993 - 1994

MOJAVE RIVER AT AFTON, CA
U.S.G.S. GAGING STATION NO. 10263000

WATER YEAR 1993-94

AVERAGE DAILY DISCHARGE, CUBIC FEET PER SECOND

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.41	0.87	1.60	1.00	0.99	0.73	0.48	0.39	0.23	0.00	0.00	0.13
2	0.40	0.85	1.60	0.98	1.10	0.78	0.51	0.39	0.17	0.00	0.00	0.36
3	0.40	0.88	1.60	0.99	1.00	0.74	0.45	0.36	0.12	0.00	0.00	0.29
4	0.38	0.96	1.70	1.00	1.60	0.74	0.45	0.34	0.11	0.00	0.00	0.50
5	0.36	0.94	1.60	1.10	1.20	0.69	0.49	0.32	0.12	0.00	0.00	0.52
6	0.42	0.97	1.60	0.96	1.10	0.69	0.52	0.33	0.11	0.00	0.00	0.50
7	0.48	1.10	1.60	1.10	1.30	0.74	0.52	0.36	0.13	0.00	0.00	0.41
8	0.50	1.10	1.50	1.20	1.20	0.75	0.53	0.41	0.18	0.00	0.00	0.40
9	0.52	1.10	1.50	1.20	1.00	0.67	0.54	0.46	0.19	0.00	0.00	0.16
10	0.52	1.20	1.50	1.20	0.99	0.59	0.55	0.47	0.19	0.00	0.00	0.17
11	0.54	1.20	1.60	1.10	0.88	0.57	0.59	0.40	0.10	0.00	0.00	0.26
12	0.54	1.20	1.40	1.10	0.84	0.48	0.60	0.37	0.06	0.00	0.00	0.53
13	0.55	1.30	1.40	1.10	0.87	0.48	0.55	0.32	0.05	0.00	0.00	0.92
14	0.55	1.30	1.40	1.10	0.83	0.51	0.50	0.30	0.03	0.00	0.00	1.10
15	0.58	1.20	1.40	1.10	0.89	0.50	0.50	0.22	0.03	0.00	0.00	1.30
16	0.61	1.30	1.30	1.10	0.88	0.45	0.49	0.15	0.03	0.00	0.00	1.40
17	0.57	1.40	1.30	0.93	1.00	0.41	0.50	0.21	0.06	0.00	0.00	1.50
18	0.57	1.40	1.40	0.89	0.94	0.41	0.49	0.25	0.07	0.00	0.07	1.50
19	0.59	1.40	1.40	0.85	0.92	4.40	0.42	0.38	0.08	0.00	0.06	1.40
20	0.61	1.40	1.20	0.87	1.00	0.67	0.41	0.43	0.05	0.00	0.01	1.50
21	0.65	1.40	1.20	0.87	0.96	1.10	0.37	0.55	0.03	0.00	0.01	1.60
22	0.65	1.50	1.20	0.92	0.88	1.30	0.38	0.41	0.03	0.00	0.00	1.50
23	0.64	1.40	1.20	0.98	0.89	1.40	0.37	0.36	0.01	0.00	0.04	1.50
24	0.64	1.40	1.20	0.98	0.92	1.40	0.36	0.65	0.01	0.00	0.07	1.60
25	0.67	1.50	1.20	1.10	0.86	1.20	0.40	1.20	0.00	0.00	0.05	1.50
26	0.64	1.50	1.20	1.00	0.81	0.95	0.43	0.68	0.00	0.00	0.05	1.80
27	0.65	1.50	1.20	1.10	0.77	0.71	0.48	0.46	0.00	0.00	0.09	1.70
28	0.67	1.50	1.10	1.10	0.70	0.60	0.43	0.26	0.01	0.00	0.04	1.70
29	0.74	1.50	1.00	1.00	---	0.57	0.42	0.23	0.00	0.00	0.03	1.70
30	0.79	1.60	1.00	1.00	---	0.53	0.40	0.24	0.00	0.00	0.06	1.70
31	0.87	---	1.00	0.99	---	0.48	---	0.44	---	0.00	0.09	---
TOTAL (CFS)	17.71	37.87	42.10	31.91	27.32	26.24	14.13	12.34	2.20	0.00	0.67	31.15
ACRE-FEET	35	75	84	63	54	52	28	24	4	0	1	62

WATER YEAR TOTAL = 483 AC-FT

BARSTOW
NOAA STATION NO. W28-519-0
WATER YEAR 1993-94

PRECIPITATION, INCHES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.05	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL (IN)	0.04	0.05	0.42	0.25	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00
WATER YEAR TOTAL =	1.20											

¹
Precipitation for March 1994 taken from NOAA Station Daggett F.C.W.O.S.

APPENDIX D

CALCULATION OF SUBSURFACE FLOWS BETWEEN SUBAREAS

[RESERVED]

APPENDIX E

TRANSFERS OF FPA FOR 1993-94

[RESERVED]

APPENDIX F

BALANCES IN STORAGE AGREEMENTS

[RESERVED]

APPENDIX G

AUDITOR'S REPORT

[RESERVED]

APPENDIX H

FREE PRODUCTION ALLOWANCES FOR WATER YEAR 1995-96 AND PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEARS 1995-96, 1996-97, AND 1997-98

APPENDIX H

FREE PRODUCTION ALLOWANCE FOR WATER YEAR 1994-95
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR
WATER YEARS 1995-96, 1996-97 & 1997-98
(ALL AMOUNTS IN ACRE-FEET)

ESTE SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	1994-95 FREE PRODUCTION ALLOWANCE			PROPOSED FREE PRODUCTION ALLOWANCE		
		CARRY OVER RIGHT FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE ¹	TOTAL	1995-96 ²	1996-97 ³	1997-98 ⁴
ABSHIRE, DAVID V	24	NS	NS	NS	22	20	19
ANDERSON, ROSS C & BETTY J	34	NS	NS	NS	31	29	27
BAR H MUTUAL WATER COMPANY	53	2	50	52	48	45	42
BELL, CHUCK	494	0	469	469	445	420	395
BURNS, BOBBY J & EVELYN J	1,300	0	1,235	1,235	1,170	1,105	1,040
CASA COLINA FOUNDATION	90	8	86	94	81	77	72
CENTER WATER CO	40	0	38	38	36	34	32
CLUB VIEW PARTNERS	1,276	1,088	1,212	2,300	1,148	1,085	1,021
CROSS, LAWRENCE E & SHARON I	23	0	22	22	21	20	18
CRYSTAL HILLS WATER COMPANY	194	164	184	348	175	165	155
DAHLQUIST, GEORGE R	594	257	564	821	535	505	475
DELPEDANG, ROBERT H	56	0	53	53	50	48	45
DESERT DAWN MUTUAL WATER COMPANY	15	NS	NS	NS	14	13	12
GAETA, TRINIDAD	512	211	486	697	461	435	410
GAYJIKIAN, SAMUEL & HAZEL	102	NS	NS	NS	92	87	82
GRACETOWN INVESTMENT CO - JETCO PROP FUND	752	752	714	1,466	677	639	602
GUBLER, HANS	30	NS	NS	NS	27	26	24
HAL-DOR LTD	23	NS	NS	NS	21	20	18
HANDLEY, DON R & MARY ANN	73	NS	NS	NS	66	62	58
HART, MERRILL W	473	NS	NS	NS	426	402	378
HERT, SCOTT	276	0	262	262	248	235	221
HI-GRADE MATERIALS	0	NS	NS	NS	0	0	0
HITCHIN LUCERNE, INC	16	NS	NS	NS	14	14	13
JAMS RANCH	28	0	27	27	25	24	22
JUBILEE MUTUAL WATER COMPANY	142	0	135	135	128	121	114

NOTES:

NS INDICATES A NON-STIPULATED PARTY

¹ EQUAL TO 95% OF BASE ANNUAL PRODUCTION PURSUANT TO STIPULATED JUDGMENT.

² EQUAL TO 90% OF BASE ANNUAL PRODUCTION PURSUANT TO STIPULATED JUDGMENT.

³ EQUAL TO 85% OF BASE ANNUAL PRODUCTION PURSUANT TO STIPULATED JUDGMENT.

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APPENDIX H

FREE PRODUCTION ALLOWANCE FOR WATER YEAR 1994-95
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR
WATER YEARS 1995-96, 1996-97 & 1997-98
(ALL AMOUNTS IN ACRE-FEET)

ESTE SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	1994-95 FREE PRODUCTION ALLOWANCE			PROPOSED FREE PRODUCTION ALLOWANCE		
		CARRY OVER RIGHT FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE ¹	TOTAL	1995-96 ²	1996-97 ³	1997-98 ⁴
JUNIPER RIVIERA COUNTY WATER DISTRICT	37	0	35	35	33	31	30
LEE, DOO HWAN	78	NS	NS	NS	70	66	62
LOPEZ, BALTAZAR	385	NS	NS	NS	347	327	308
LUA, ANTONIO	348	348	331	679	313	296	278
LUCERNE VALLEY MUTUAL WATER COMPANY	54	10	51	61	49	46	43
LUCERNE VALLEY PARTNERS	1,213	1,201	1,152	2,353	1,092	1,031	970
LUCERNE VISTA WATER CO	21	NS	NS	NS	19	18	17
MITSUBISHI CEMENT CORPORATION	1,299	344	1,234	1,578	1,169	1,104	1,039
MONACO INVESTMENT COMPANY	70	70	67	137	63	60	56
MOSS, LAWRENCE W & HELEN J	43	NS	NS	NS	39	37	34
PARK, CHANHO	597	NS	NS	NS	537	507	478
PARK, JEONG, IL & HEA JA	96	NS	NS	NS	86	82	77
PEREZ, EVA	247	NS	NS	NS	222	210	198
PETTIGREW, DAN	1,422	0	1,351	1,351	1,280	1,209	1,138
PETTIGREW, HOWARD L	1,500	0	1,425	1,425	1,350	1,275	1,200
PLUESS-STAUFER CALIFORNIA INC	23	15	22	37	21	20	18
REED, MIKE	58	0	55	55	52	49	46
ROGERS, ROY	1,449	1,169	1,377	2,546	1,304	1,232	1,159
SAN BERNARDINO CO SERVICE AREA 29	21	0	20	20	19	18	17
SEALS, LAWRENCE	113	94	107	201	102	96	90
SON'S RANCH	140	NS	NS	NS	126	119	112
SOUTHERN CALIFORNIA WATER COMPANY	178	0	169	169	160	151	142
SPECIALTY MINERALS, INC	42	13	40	53	38	36	34
SPILLMAN, JAMES R & NANCY J	23	0	22	22	21	20	18
STEWART WATER COMPANY	54	NS	NS	NS	49	46	43

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AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR
WATER YEARS 1995-96, 1996-97 & 1997-98
(ALL AMOUNTS IN ACRE-FEET)

ESTE SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	1994-95 FREE PRODUCTION ALLOWANCE			PROPOSED FREE PRODUCTION ALLOWANCE		
		CARRY OVER RIGHT FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE ¹	TOTAL	1995-96 ²	1996-97 ³	1997-98 ⁴
STRINGER, W EDWARD	573	12	544	556	516	487	458
THE CUSHENBURY TRUST, C/O SPECIALTY MINERALS, INC	10	7	10	17	9	9	8
TURNER, LOYD & CAROL	77	NS	NS	NS	69	65	62
VISOSKY, JOSEPH F JR	1,120	NS	NS	NS	1,008	952	896
WEISER, SIDNEY & RAQUEL	90	0	86	86	81	77	72
WILLOW WELLS MUTUAL WATER COMPANY	30	0	29	29	27	26	24
WILSHIRE ROAD PARTNERS	692	NS	NS	NS	623	588	554

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AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR
WATER YEARS 1995-96, 1996-97 & 1997-98
(ALL AMOUNTS IN ACRE-FEET)**

OESTE SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	1994-95 FREE PRODUCTION ALLOWANCE			PROPOSED FREE PRODUCTION ALLOWANCE		
		CARRY OVER RIGHT FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE ¹	TOTAL	1995-96 ²	1996-97 ³	1997-98 ⁴
AEROCHEM, INC	660	652	627	1,279	594	561	528
ALLEN, DAVID & KATHRYN (FORMERLY: BROWN, DOUG & SUE)	6	5	6	11	5	5	5
BROWN, DOUG & SUE	40	25	38	63	36	34	32
CHAMISAL MUTUAL	96	0	91	91	86	82	77
DOSSEY, D A	14	0	13	13	13	12	11
MEADOWBROOK DAIRY	2,335	0	2,218	2,218	2,102	1,985	1,868
MORANO, AMERICO (FORMERLY: DAVIS, PAUL)	19	0	18	18	17	16	15
RESSEGUE, JOHN & BILL	259	0	246	246	233	220	207
SAN BERNARDINO CO SERVICE AREA 70G	110	15	105	120	99	94	88
SAN BERNARDINO CO SERVICE AREA 70L	1,306	0	1,241	1,241	1,175	1,110	1,045
THORESON, ROBERT F & A KATHLEEN	40	32	38	70	36	34	32
TROEGER, RICHARD H	112	0	106	106	101	95	90
VAN DAM BROTHERS	1,860	0	1,767	1,767	1,674	1,581	1,488

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(ALL AMOUNTS IN ACRE-FEET)

ALTO SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	1994-95 FREE PRODUCTION ALLOWANCE			PROPOSED FREE PRODUCTION ALLOWANCE		
		CARRY OVER RIGHT FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE ¹	TOTAL	1995-96 ²	1996-97 ³	1997-98 ⁴
ABBOND, EDWARD & GRACE	28	15	27	42	25	24	22
ABBOTT, LEONARD C	284	157	270	427	256	241	227
ADELANTO, CITY OF	1,573	NS	NS	NS	1,416	1,337	1,258
ADELANTO, CITY OF - GEORGE A F B	3,433	NS	NS	NS	3,090	2,918	2,746
AGCON, INC	0	NS	NS	NS	0	0	0
APPLE VALLEY COUNTRY CLUB	709	189	674	863	638	603	567
APPLE VALLEY DEVELOPMENT	724	266	688	954	652	615	579
APPLE VALLEY FOOTHILL CO WATER DISTRICT	167	42	159	201	150	142	134
APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT	125	6	119	125	113	106	100
APPLE VALLEY RANCHOS WATER COMPANY (FORMERLY: ADAMSON COMPANY)	119	119	113	232	107	101	95
APPLE VALLEY RANCHOS WATER COMPANY	12,903	0	12,258	12,258	11,613	10,968	10,322
APPLE VALLEY RECREATION & PARKS	45	2	43	45	41	38	36
APPLE VALLEY VIEW MUTUAL WATER CO	36	0	34	34	32	31	29
APPLE VALLEY, TOWN OF	298	268	283	551	268	253	238
ARC LAS FLORES	6,331	1,951	6,014	7,965	5,698	5,381	5,065
BACA, ENRIQUE	74	NS	NS	NS	67	63	59
BALDY MESA WATER DISTRICT	1,495	0	1,420	1,420	1,346	1,271	1,196
BASS, NEWTON T	514	253	488	741	463	437	411
BASTIANON, REMO	77	NS	NS	NS	69	65	62
BASURA, STEVE	25	5	24	29	23	21	20
BEINSCHROTH, A J	90	40	86	126	81	77	72
BEINSCHROTH, A J (FORMERLY: TATUM, JAMES B)	829	478	788	1,266	746	705	663
BORUFF, PAUL & LINBY (FORMERLY: PEARSON, DERYL B)	22	19	21	40	20	19	18
BOYCE, KENNETH & WILLA	102	40	97	137	92	87	82
BROWN, BOBBY G & VALERIA R	42	31	40	71	38	36	34

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(ALL AMOUNTS IN ACRE-FEET)

ALTO SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	1994-95 FREE PRODUCTION ALLOWANCE			PROPOSED FREE PRODUCTION ALLOWANCE		
		CARRY OVER RIGHT FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE ¹	TOTAL	1995-96 ²	1996-97 ³	1997-98 ⁴
BURNS, ULYSSES & ANNIE L	164	155	156	311	148	139	131
CARDOZO, MANUEL & MARIA	909	NS	NS	NS	818	773	727
CDFG - MOJAVE NARROWS REGIONAL PARK	2,107	0	2,002	2,002	1,896	1,791	1,686
CDFG - MOJAVE RIVER FISH HATCHERY	20	0	19	19	18	17	16
CLARK, KENNETH R	0	0	0	0	0	0	0
CLEAR VIEW FARMS	501	26	476	502	451	426	401
CRAMER, MARGARET MUIR	280	0	266	266	252	238	224
CUNNINGHAM, WILLIAM	29	0	28	28	26	25	23
DEXTER, CLAIR F	175	NS	NS	NS	158	149	140
DEXTER, J P	515	513	489	1,002	464	438	412
DIBERNARDO, JOHN	203	88	193	281	183	173	162
DOLCH, ROBERT & JUDY	426	127	405	532	383	362	341
DOMBROWSKI, MICHAEL W & SUSAN M	19	3	18	21	17	16	15
DOWSE, PHILIP	20	14	19	33	18	17	16
EVENSON, EDWIN H & JOYCELAINE	70	NS	NS	NS	63	60	56
FISHER, DOLORES DR	48	28	46	74	43	41	38
FISHER, JEROME	633	282	601	883	570	538	506
FITZWATER, R E	291	NS	NS	NS	262	247	233
GARCIA, SONIA L	288	NS	NS	NS	259	245	230
GOMEZ, CIRIL - LIVING TRUST	330	100	314	414	297	281	264
GREEN ACRES ESTATES	25	5	24	29	23	21	20
GULBRANSON, MERLIN	163	0	155	155	147	139	130
HELENDALE SCHOOL DISTRICT	18	0	17	17	16	15	14
HESPERIA GOLF AND COUNTRY CLUB	678	0	644	644	610	576	542
HESPERIA WATER DISTRICT	12,213	0	11,602	11,602	10,992	10,381	9,770
HI-GRADE MATERIALS	0	NS	NS	NS	0	0	0

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ALTO SUBAREA

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		CARRY OVER RIGHT FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE ¹	TOTAL	1995-96 ²	1996-97 ³	1997-98 ⁴
HODGE, STANLEY W	67	0	64	64	60	57	54
HOLWAY, ROBERT	88	NS	NS	NS	79	75	70
HRUBIK, THOMAS A	3,035	NS	NS	NS	2,732	2,580	2,428
INDUSTRIAL ASPHALT	109	NS	NS	NS	98	93	87
JESS RANCH WATER COMPANY	7,600	NS	NS	NS	6,840	6,460	6,080
JOHNSON, LARRY & CARLEAN	82	13	78	91	74	70	66
JOHNSON, RONALD	31	0	29	29	28	26	25
JOHNSTON, HARRIET AND LARRY W	127	NS	NS	NS	114	108	102
KEMPER CAMPBELL RANCH	473	128	449	577	426	402	378
LADISLAV, HLOBIK	26	NS	NS	NS	23	22	21
LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT	658	657	625	1,282	592	559	526
LAWSON, ERNEST & BARBARA	15	9	14	23	14	13	12
LENHERT, RONALD & TONI (FORMERLY: APPLE VALLEY EQUINE HOSPITAL)	37	24	35	59	33	31	30
LEWIS HOMES OF CALIFORNIA	1,693	1,359	1,608	2,967	1,524	1,439	1,354
LONGMAN, JACK	115	NS	NS	NS	104	98	92
LOUNSBURY, J PETER & CAROLYN	208	162	198	360	187	177	166
LOW, ROBERT	399	399	379	778	359	339	319
LUCKEY, MANLEY J	800	350	760	1,110	720	680	640
LUTH, KEN	27	26	26	52	24	23	22
MARIANA RANCHOS COUNTY WATER DISTRICT	240	28	228	256	216	204	192
MCCALL, REX	44	NS	NS	NS	40	37	35
MCINNIS, WILLIAM S	30	NS	NS	NS	27	26	24
MITCHELL, ROBIN & JUDITH	36	NS	NS	NS	32	31	29
MURPHY, BERNARD H	25	17	24	41	23	21	20
MURPHY, BERNARD TRUST	162	136	154	290	146	138	130

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ALTO SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	1994-95 FREE PRODUCTION ALLOWANCE			PROPOSED FREE PRODUCTION ALLOWANCE		
		CARRY OVER RIGHT FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE ¹	TOTAL	1995-96 ²	1996-97 ³	1997-98 ⁴
MURPHY, KENNETH	42	38	40	78	38	36	34
MUTUAL FUNDING CORP	101	18	96	114	91	86	81
NAVAJO MUTUAL WATER CO	88	0	84	84	79	75	70
NUNN, DONALD & PEARL	66	41	63	104	59	56	53
O'BRYANT, ROBERT C & BARBARA	107	0	102	102	96	91	86
ORMSBY, HARRY G	386	101	367	468	347	328	309
PALISADES RANCH	824	NS	NS	NS	742	700	659
PARKER, DAVID E	37	17	35	52	33	31	30
PAUSTELL, JOAN & GERALD	9	7	9	16	8	8	7
PEARL, ALICE	147	0	140	140	132	125	118
PERRY, THOMAS A	35	6	33	39	32	30	28
PETTIS TRUST	126	59	120	179	113	107	101
PHENIX PROPERTIES LTD	652	652	619	1,271	587	554	522
PITTMAN, LEROY W	148	NS	NS	NS	133	126	118
POLICH, LEE & DONNA	65	7	62	69	59	55	52
RANCHERITOS MUTUAL WATER CO	169	45	161	206	152	144	135
REED, DELBERT & LINDA (FORMERLY: CLARK, KENNETH R)	211	96	200	296	190	179	169
RIVERSIDE CEMENT CO - ORO GRANDE PLANT	3,452	167	3,279	3,446	3,107	2,934	2,762
ROGERS, ROY (ORO GRANDE RANCH)	115	0	109	109	104	98	92
RUDMAN, ROBERT T	300	109	285	394	270	255	240
RUE RANCH	30	NS	NS	NS	27	26	24
SAN BERNARDINO CO SERVICE AREA 42	465	209	442	651	419	395	372
SAN BERNARDINO CO SERVICE AREA 64	3,822	0	3,631	3,631	3,440	3,249	3,058
SAN BERNARDINO CO SERVICE AREA 70C	2,346	0	2,229	2,229	2,111	1,994	1,877
SAN BERNARDINO CO SERVICE AREA 70J	1,005	0	955	955	905	854	804
SAN BERNARDINO CO SERVICE AREA 70L	355	0	337	337	320	302	284

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		CARRY OVER RIGHT FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE ¹	TOTAL	1995-96 ²	1996-97 ³	1997-98 ⁴
SAN FILIPPO, JOSEPH & SHELLEY	35	32	33	65	32	30	28
SILVER LAKES ASSOCIATION	3,987	1,040	3,788	4,828	3,588	3,389	3,190
SOUTHERN CALIFORNIA WATER COMPANY	940	11	893	904	846	799	752
SOUTHWESTERN PORTLAND CEMENT COMPANY	1,519	237	1,443	1,680	1,367	1,291	1,215
SPRING VALLEY LAKE ASSOCIATION	3,056	1,714	2,903	4,617	2,750	2,598	2,445
SPRING VALLEY LAKE COUNTRY CLUB	977	581	928	1,509	879	830	782
STORM, RANDALL	62	60	59	119	56	53	50
SUDMEIER, GLENN W	121	85	115	200	109	103	97
SUMMIT VALLEY RANCH	452	0	429	429	407	384	362
TATRO, RICHARD & SANDRA (FORMERLY: PAUSTELL, JOAN & GERALD)	280	280	266	546	252	238	224
TAYLOR, ALLEN C / HAYMAKER RANCH	456	456	433	889	410	388	365
THOMAS, S DALE	440	0	418	418	396	374	352
THOMAS, WALTER	36	NS	NS	NS	32	31	29
THOMPSON, JAMES A	418	0	397	397	376	355	334
THOMPSON, RODGER	76	18	72	90	68	65	61
THRASHER, GARY	373	139	354	493	336	317	298
THUNDERBIRD COUNTY WATER DISTRICT	118	NS	NS	NS	106	100	94
TURNER, ROBERT	70	16	67	83	63	60	56
VAIL, JOSEPH B & PAULA E	48	NS	NS	NS	43	41	38
VAN BURGER, CARL (FORMERLY: DURSTON, ERNEST)	357	NS	NS	NS	321	303	286
VAN LEEUWEN FAMILY TRUST	341	98	324	422	307	290	273
VANNI, MIKE (FORMERLY: BEAR VALLEY MOBILE HOME PARK)	54	NS	NS	NS	49	46	43
VICTOR VALLEY COMMUNITY COLLEGE DIST	240	35	228	263	216	204	192
VICTOR VALLEY WATER DISTRICT	13,354	0	12,686	12,686	12,019	11,351	10,683
VICTORVILLE, CITY OF	12	0	11	11	11	10	10

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ALTO SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	1994-95 FREE PRODUCTION ALLOWANCE			PROPOSED FREE PRODUCTION ALLOWANCE		
		CARRY OVER RIGHT FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE ¹	TOTAL	1995-96 ²	1996-97 ³	1997-98 ⁴
VOGLER, ALBERT H	132	90	125	215	119	112	106
WACKEEN, CAESAR	1,635	0	1,553	1,553	1,472	1,390	1,308
WAKULA, JOHN & HELEN	291	NS	NS	NS	262	247	233
WARD, KEN & BARBARA	65	0	62	62	59	55	52
WEBER, DAVE	80	NS	NS	NS	72	68	64
WEST, CAROLYN & SMITH, RICHARD	24	19	23	42	22	20	19
WEST, HOWARD & SUZY	72	71	68	139	65	61	58
WHITTINGHAM, RICHARD V	15	0	14	14	14	13	12
YEAGER, E L - CONSTRUCTION COMPANY INC	34	34	32	66	31	29	27

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CENTRO SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	1994-95 FREE PRODUCTION ALLOWANCE			PROPOSED FREE PRODUCTION ALLOWANCE		
		CARRY OVER RIGHT FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE ¹	TOTAL	1995-96 ²	1996-97 ³	1997-98 ⁴
ACE EXPLORATION/WATER DRILLING CO	0	NS	NS	NS	0	0	0
AGCON, INC	0	NS	NS	NS	0	0	0
AGUAYO, JEANETTE L	61	50	58	108	55	52	49
ATCHISON, TOPEKA, SANTA FE RAILWAY CO	120	0	114	114	108	102	96
AVDEEF, THOMAS & LUCILLE	34	0	32	32	31	29	27
 BARNES, FAY (FORMERLY: BARNES, WAYNE)	243	NS	NS	NS	219	207	194
BRENTWOOD MORTGAGE	350	NS	NS	NS	315	298	280
BROMMER, MARVIN	361	NS	NS	NS	325	307	289
BURNS, RITA J & PAMELA E	16	NS	NS	NS	14	14	13
CHAFAR, LARRY R	96	83	91	174	86	82	77
 CHOI, YONG IL & JOUNG AE	38	NS	NS	NS	34	32	30
CHRISTISON, JOEL	75	0	71	71	68	64	60
COOK, KWON W	169	NS	NS	NS	152	144	135
DE VRIES, NEIL	3,800	NS	NS	NS	3,420	3,230	3,040
DESERT COMMUNITY BANK	50	NS	NS	NS	45	43	40
 DURAN, FRANK T	50	22	48	70	45	43	40
GAINES, JACK & MARY	117	0	111	111	105	99	94
GESIRIECH, WAYNE	121	43	115	158	109	103	97
GORMAN, VIRGIL	138	NS	NS	NS	124	117	110
GORMAN, VIRGIL (FORMERLY: AZTEC FARM DEVELOPMENT CO)	220	220	209	429	198	187	176
 GRIEDER, RAYMOND H & DORISANNE	30	NS	NS	NS	27	26	24
GRILL, NICHOLAS P & MILLIE D	21	0	20	20	19	18	17
GROEN, CORNELIUS	1,043	NS	NS	NS	939	887	834
HANIFY, DBA - WHITE BEAR RANCH	152	150	144	294	137	129	122
HARMSSEN, JAMES & RUTH ANN (FORMERLY: YKEMA TRUST)	1,522	0	1,446	1,446	1,370	1,294	1,218
HARPER LAKE COMPANY	1,433	375	1,361	1,736	1,290	1,218	1,146

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APPENDIX H

FREE PRODUCTION ALLOWANCE FOR WATER YEAR 1994-95
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR
WATER YEARS 1995-96, 1996-97 & 1997-98
(ALL AMOUNTS IN ACRE-FEET)

CENTRO SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	1994-95 FREE PRODUCTION ALLOWANCE			PROPOSED FREE PRODUCTION ALLOWANCE		
		CARRY OVER RIGHT FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE ¹	TOTAL	1995-96 ²	1996-97 ³	1997-98 ⁴
HI DESERT MUTUAL WATER CO	34	0	32	32	31	29	27
HIGH DESERT DEVELOPMENT CO	337	35	320	355	303	286	270
HILEMAN, KATHERINE	19	NS	NS	NS	17	16	15
HILL, MELVIN	2,335	2,025	2,218	4,243	2,102	1,985	1,868
HOWARD, NORMAN A	113	NS	NS	NS	102	96	90
HOY, MIKE	632	106	600	706	569	537	506
JORDAN, RAYMOND	460	NS	NS	NS	414	391	368
JUSTICE, CHRIS	421	NS	NS	NS	379	358	337
KING, GENEVIEVE E	69	NS	NS	NS	62	59	55
LEE, SEPOONG ETAL & WOO POONG	77	NS	NS	NS	69	65	62
LEYERLY, GENEVA	65	NS	NS	NS	59	55	52
LEYERLY, RICHARD	862	NS	NS	NS	776	733	690
LYON, LOUIS & ERIKA	130	128	124	252	117	111	104
MARTIN, LENDELL	14	8	13	21	13	12	11
MCCOLLUM, CHARLES L	347	205	330	535	312	295	278
MEAD, G C	90	0	86	86	81	77	72
MEYERS, LONNIE	27	NS	NS	NS	24	23	22
MITCHELL, CHARLES A	201	NS	NS	NS	181	171	161
MOFFITT, THOMAS R & EDITH I	62	60	59	119	56	53	50
MOST, MILTON W	9,660	4,331	9,177	13,508	8,694	8,211	7,728
NELSON, MILDRED L	52	NS	NS	NS	47	44	42
OROPEZA, JOSE M	190	NS	NS	NS	171	162	152
OSTERKAMP, GEROLD	260	NS	NS	NS	234	221	208
OWL ROCK PRODUCTS COMPANY	466	139	443	582	419	396	373
PG & E	1,657	0	1,574	1,574	1,491	1,408	1,326

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(ALL AMOUNTS IN ACRE-FEET)

CENTRO SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	1994-95 FREE PRODUCTION ALLOWANCE			PROPOSED FREE PRODUCTION ALLOWANCE		
		CARRY OVER RIGHT FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE ¹	TOTAL	1995-96 ²	1996-97 ³	1997-98 ⁴
REDDY, BOMMI V & KARUNA V	24	14	23	37	22	20	19
REES, MIKE & SUE (FORMERLY: LUDINGTON, JAMES E & JO ANN)	58	56	55	111	52	49	46
ROWLAND, JAMES & HELEN	22	19	21	40	20	19	18
RUISCH, DALE W	650	0	618	618	585	553	520
SHIRKEY, ALAN G & MARY E	35	NS	NS	NS	32	30	28
SMITH, ROBERT A	43	0	41	41	39	37	34
SOPPELAND, WAYNE	783	155	744	899	705	666	626
SOUTHERN CALIFORNIA WATER COMPANY	11,309	1,102	10,744	11,846	10,178	9,613	9,047
SPINK, WALTHALL	44	0	42	42	40	37	35
ST CHARLES, DONALD B	609	238	579	817	548	518	487
TALLAKSON, WILLIAM V & ELIZABETH A	17	NS	NS	NS	15	14	14
TILLEMA, HAROLD	874	41	830	871	787	743	699
VAN DAM, ELBERT & SUSAN	722	515	686	1,201	650	614	578
VAN LEEUWEN, JOHN	1,922	NS	NS	NS	1,730	1,634	1,538
VAN VLIET, HENDRIKA	820	NS	NS	NS	738	697	656
VANHOY, LUTHER C & ROBERTA L	23	NS	NS	NS	21	20	18
VERNOLA, PAT	3,116	NS	NS	NS	2,804	2,649	2,493
VISSER, ANNIE (FORMERLY: VISSER, STANLEY)	91	0	86	86	82	77	73
YANG, YOUNG MO	371	NS	NS	NS	334	315	297
YKEMA HARMSSEN DAIRY	1,000	0	950	950	900	850	800

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BAJA SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	1994-95 FREE PRODUCTION ALLOWANCE			PROPOSED FREE PRODUCTION ALLOWANCE		
		CARRY OVER RIGHT FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE ¹	TOTAL	1995-96 ²	1996-97 ³	1997-98 ⁴
AKE, CHARLES J & MARJORIE M	23	10	22	32	21	20	18
ANGERER, ROBERT J & PEGGY	24	16	23	39	22	20	19
ANTELOPE VALLEY DAIRY	5,430	0	5,159	5,159	4,887	4,616	4,344
ARGUELLES, ALFREDO	1,047	370	995	1,365	942	890	838
ATCHISON, TOPEKA, SANTA FE RAILWAY CO	80	0	76	76	72	68	64
BAGLEY, ROY	20	0	19	19	18	17	16
BALDERRAMA, ALFRED & LINDA (FORMERLY: BODINE, LARRY & DANNY)	250	NS	NS	NS	225	213	200
BALL, DAVID P	81	NS	NS	NS	73	69	65
BARAK, RICHARD	132	54	125	179	119	112	106
BARBER, JAMES B	167	40	159	199	150	142	134
BARSTOW CALICO K O A	24	7	23	30	22	20	19
BAUR, KARL & RITA	26	NS	NS	NS	23	22	21
BEDINGFIELD, LYNDELL & CHARLENE	56	26	53	79	50	48	45
BENTON, PHILIP G	35	NS	NS	NS	32	30	28
BLUE PINE LAKE ASSOC	45	NS	NS	NS	41	38	36
BORGOGNO, STEVE	1,844	0	1,752	1,752	1,660	1,567	1,475
BOWMAN, EDWIN L	31	7	29	36	28	26	25
BROWN, RONALD A	1,080	391	1,026	1,417	972	918	864
BROWY, ORVILLE & LOUISE	33	0	31	31	30	28	26
BRUNS, NICHOLAS	29	0	28	28	26	25	23
CALICO LAKES HOMEOWNERS ASSOCIATION	177	0	168	168	159	150	142
CALIF DEPT OF TRANSPORTATION	71	0	67	67	64	60	57
CAMPBELL, BARBARA N	15	NS	NS	NS	14	13	12
CAMPBELL, M A & DIANNE	22	NS	NS	NS	20	19	18

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AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR
WATER YEARS 1995-96, 1996-97 & 1997-98
(ALL AMOUNTS IN ACRE-FEET)**

BAJA SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	1994-95 FREE PRODUCTION ALLOWANCE			PROPOSED FREE PRODUCTION ALLOWANCE		
		CARRY OVER RIGHT FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE ¹	TOTAL	1995-96 ²	1996-97 ³	1997-98 ⁴
CARTER, JOHN THOMAS	746	0	709	709	671	634	597
CDFG - CAMP CADY	14	0	13	13	13	12	11
CHANG, TIMOTHY & JANE	18	18	17	35	16	15	14
CHASTAIN, W C	100	94	95	189	90	85	80
CHEYENNE LAKE, INC	122	2	116	118	110	104	98
CHIAO MEI DEVELOPMENT	451	NS	NS	NS	406	383	361
CHO BROTHERS RANCH	639	NS	NS	NS	575	543	511
CHUANG, MARSHAL	70	0	67	67	63	60	56
CLEGG, FRIZELL & JOKE (FORMERLY: DENNISON, QUENTIN D)	29	4	28	32	26	25	23
CONNER, WILLIAM H	25	0	24	24	23	21	20
COOL WATER RANCH	76	18	72	90	68	65	61
CRYSTAL LAKES PROPERTY OWNERS ASSOCIATION	447	0	425	425	402	380	358
DAGGETT COMMUNITY SERVICES DISTRICT	235	NS	NS	NS	212	200	188
DALJO CORPORATION	31	16	29	45	28	26	25
DAVIS, RONALD & DONNA	53	27	50	77	48	45	42
DE JONG, ALAN L	1,326	0	1,260	1,260	1,193	1,127	1,061
DESERT LAKES CORPORATION - (LAKE DOLORES)	483	418	459	877	435	411	386
DOCIMO, DONALD P & PATRICIA J	23	NS	NS	NS	21	20	18
DONALDSON, JERRY & BEVERLY	90	NS	NS	NS	81	77	72
ELLISON, SUSAN	15	0	14	14	14	13	12
EVKHANIAN, JAMES H	110	NS	NS	NS	99	94	88
FAWCETT, EDWARD C	20	14	19	33	18	17	16
FELIX, ALAN E & CAROL L	36	NS	NS	NS	32	31	29
FERRO, DENNIS & NORMA	32	NS	NS	NS	29	27	26
FRIEND, JOSEPH & DEBORAH	60	7	57	64	54	51	48

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BAJA SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	1994-95 FREE PRODUCTION ALLOWANCE			PROPOSED FREE PRODUCTION ALLOWANCE		
		CARRY OVER RIGHT FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE ¹	TOTAL	1995-96 ²	1996-97 ³	1997-98 ⁴
FUNDAMENTAL CHRISTIAN ENDEAVOR	285	0	271	271	257	242	228
GARCIA, DANIEL	23	7	22	29	21	20	18
GOLD, HAROLD	249	29	237	266	224	212	199
GRAVES, CHESTER B	32	0	30	30	29	27	26
HAIGH, WHILLDYN & MARGARET	32	NS	NS	NS	29	27	26
HALL, LARRY	23	NS	NS	NS	21	20	18
HARALIK, BESS & ROBERT	27	10	26	36	24	23	22
HARDESTY, LESLIE E & BECKY J	47	0	45	45	42	40	38
HARESON, NICHOLAS & MARY	30	0	29	29	27	26	24
HARTER FARMS	1,083	0	1,029	1,029	975	921	866
HARTER, JOE & SUE	738	215	701	916	664	627	590
HARTLEY, LONNIE	19	0	18	18	17	16	15
HARVEY, FRANK	38	NS	NS	NS	34	32	30
HENDLEY, RICK & BARBARA	48	21	46	67	43	41	38
HIETT, HARRY L & PATRICIA J	16	NS	NS	NS	14	14	13
HILARIDES, FRANK	1,210	322	1,150	1,472	1,089	1,029	968
HOLLISTER, ROBERT H & RUTH M	44	NS	NS	NS	40	37	35
HONG, PAUL B & MAY	95	0	90	90	86	81	76
HORTON'S CHILDREN'S TRUST	106	NS	NS	NS	95	90	85
HORTON, JOHN MD	183	NS	NS	NS	165	156	146
HOSKING, JOHN W & JEAN	94	0	89	89	85	80	75
HOWARD, NORMAN A	29	NS	NS	NS	26	25	23
HUBBARD, ESTER & MIZUNO, ARLEAN	28	NS	NS	NS	25	24	22
HUNT, RALPH M & LILLIAN F	31	28	29	57	28	26	25
HUTCHISON, WILLIAM O	56	55	53	108	50	48	45

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		CARRY OVER RIGHT FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE ¹	TOTAL	1995-96 ²	1996-97 ³	1997-98 ⁴
HYATT, JAMES & BRENDA	210	188	200	388	189	179	168
IRVIN, BERTRAND W	29	0	28	28	26	25	23
J V A AIR INC	54	NS	NS	NS	49	46	43
JACKSON, RAY	20	NS	NS	NS	18	17	16
JOHNSON, JAMES R	247	87	235	322	222	210	198
JUSTICE, CHRIS	6	NS	NS	NS	5	5	5
KAPLAN, ABRAHAM M	76	NS	NS	NS	68	65	61
KASNER, ROBERT	1,001	NS	NS	NS	901	851	801
KATCHER, AUGUST M & MARCELINE	23	NS	NS	NS	21	20	18
KEMP, ROBERT & ROSE	32	26	30	56	29	27	26
KIEL, MARY	34	0	32	32	31	29	27
KIM, JOON HO	764	53	726	779	688	649	611
KOSHAREK, JOHN & JOANNE	54	0	51	51	49	46	43
LAKE JODIE PROPERTY OWNERS ASSOCIATION	254	0	241	241	229	216	203
LAKE WAIKIKI	98	0	93	93	88	83	78
LAKE WAINANI OWNERS ASSOCIATION	202	0	192	192	182	172	162
LANGLEY, MICHAEL R & SHARON	20	NS	NS	NS	18	17	16
LAWRENCE, WILLIAM W	45	NS	NS	NS	41	38	36
LEE, MOON & OKBEA	49	NS	NS	NS	44	42	39
LEE, VIN JANG T	630	0	599	599	567	536	504
LESHIN, CONNIE & SOL	1,416	0	1,345	1,345	1,274	1,204	1,133
LESHIN, SOL	1,997	30	1,897	1,927	1,797	1,697	1,598
LEVINE, DR LESLIE	1,637	0	1,555	1,555	1,473	1,391	1,310
LINT, GORDON	19	NS	NS	NS	17	16	15
LONG, BALLARD	35	34	33	67	32	30	28
M BIRD CONSTRUCTION	41	NS	NS	NS	37	35	33

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MAHJOUBI, AFSAR S	63	NS	NS	NS	57	54	50
MALIN, LILY	54	NS	NS	NS	49	46	43
MALONEY, JANICE	36	NS	NS	NS	32	31	29
MARCROFT, JAMES A & JOAN	38	NS	NS	NS	34	32	30
MARSHALL, CHARLES	20	NS	NS	NS	18	17	16
MAYBERRY, DONALD J & SANDRA D	41	NS	NS	NS	37	35	33
MILBRAT, IRVING & DIXIE	73	12	69	81	66	62	58
MITCHELL, CHARLOTTE	115	107	109	216	104	98	92
MITCHELL, JAMES L & CHERYL A	155	154	147	301	140	132	124
MOORE, WAYNE G & JULIA H	103	0	98	98	93	88	82
MORRIS, BETTY (FORMERLY: MORRIS, KARL)	304	302	289	591	274	258	243
MULLIGAN, ROBERT & INEZ	35	0	33	33	32	30	28
NEWBERRY CALICO GROUP (FORMERLY: CALICO LAKES HOMEOWNERS ASSOC.)	854	0	811	811	769	726	683
NEWBERRY COMMUNITY SERVICE DIST	23	0	22	22	21	20	18
NU VIEW DEVELOPMENT, INC	2,899	0	2,754	2,754	2,609	2,464	2,319
O F D L INC	109	0	104	104	98	93	87
O'KEEFE, SARAH-LEE & JOKE E	50	NS	NS	NS	45	43	40
P & H ENGINEERING & DEV CORP	667	NS	NS	NS	600	567	534
PAGE LAND INVESTMENTS INC	845	NS	NS	NS	761	718	676
PARKER, GEORGE R	144	46	137	183	130	122	115
PATHFINDER INVESTORS	472	439	448	887	425	401	378
PAYAN, PAUL	32	NS	NS	NS	29	27	26
PERKO, BERT K	132	NS	NS	NS	119	112	106
PITTS, JOE & STELLA	30	NS	NS	NS	27	26	24
POHL, ANDREAS & CATHLYN	17	0	16	16	15	14	14
POLAND, JOHN R & SANDRA M	92	NS	NS	NS	83	78	74

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		CARRY OVER RIGHT FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE ¹	TOTAL	1995-96 ²	1996-97 ³	1997-98 ⁴
PRICE, ALAN E	37	12	35	47	33	31	30
PRICE, DONALD & RUTH	42	34	40	74	38	36	34
PUCKHABER, WILLIAM F TRUST	63	NS	NS	NS	57	54	50
PURCIO, THOMAS F & PATRICIA A (FORMERLY: KENNEDY, THOMAS)	80	NS	NS	NS	72	68	64
RANDOLPH, JOAN E	24	0	23	23	22	20	19
REEVES, RICHARD	230	NS	NS	NS	207	196	184
REYNOLDS, ARDEN & MARY	54	NS	NS	NS	49	46	43
RICE, DANIEL & MARY	121	11	115	126	109	103	97
RICE, HENRY C & DIANA	24	0	23	23	22	20	19
RIEGER, WALTER M	62	8	59	67	56	53	50
RIKUO CORPORATION	1,517	1,517	1,441	2,958	1,365	1,289	1,214
ROSSI, JAMES L & NAOMI I	614	14	583	597	553	522	491
ROTEX CONSTRUCTION COMPANY	2,529	2,529	2,403	4,932	2,276	2,150	2,023
SAN BERNARDINO CO BARSTOW - DAGGETT AIRPORT	168	4	160	164	151	143	134
SANTUCCI, ANTONIO & WILSA	30	21	29	50	27	26	24
SCOGGINS, JERRY	105	3	100	103	95	89	84
SHEPPARD, THOMAS & GLORIA	217	NS	NS	NS	195	184	174
SHORT, CHARLES & MARGARET	54	3	51	54	49	46	43
SHORT, JEFF (FORMERLY: SHORT, JAMES)	30	NS	NS	NS	27	26	24
SMITH, WILLIAM E	19	0	18	18	17	16	15
SNYDER, KRYL K & ROUTH, RICHARD J	64	NS	NS	NS	58	54	51
SOUTHERN CALIFORNIA EDISON CO - AGRICULTURE	5,858	262	5,565	5,827	5,272	4,979	4,686
SOUTHERN CALIFORNIA EDISON CO - INDUSTRIAL	4,565	2,320	4,337	6,657	4,109	3,880	3,652
SOUTHERN CALIFORNIA GAS COMPANY	98	7	93	100	88	83	78
SPOHN, JACK & DELINDA (FORMERLY: WARD, ERNEST & LAURA)	38	NS	NS	NS	34	32	30

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APPENDIX H

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 1994-95
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR
WATER YEARS 1995-96, 1996-97 & 1997-98
(ALL AMOUNTS IN ACRE-FEET)**

BAJA SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	1994-95 FREE PRODUCTION ALLOWANCE			PROPOSED FREE PRODUCTION ALLOWANCE		
		CARRY OVER RIGHT FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE ¹	TOTAL	1995-96 ²	1996-97 ³	1997-98 ⁴
ST ANTONY COPTIC ORTHODOX MONASTERY	99	77	94	171	89	84	79
ST ANTONY COPTIC ORTHODOX MONASTERY (FORMERLY: IRWIN, GRACE)	31	0	29	29	28	26	25
STEWART, STANLEY & PATRICIA	27	0	26	26	24	23	22
SUGA, TAKEAKI	154	NS	NS	NS	139	131	123
SUNDOWN LAKES, INC	168	0	160	160	151	143	134
SWARTZ, ROBERT & IRENE	50	NS	NS	NS	45	43	40
TAPIE, RAYMOND L SR & MURIEL A	18	13	17	30	16	15	14
TAYLOR, TOM	503	502	478	980	453	428	402
THAYER, SHARON	58	7	55	62	52	49	46
THE 160 NEWBERRY RANCH CALIFORNIA, LTD	1,033	479	981	1,460	930	878	826
TRIPLE H PARTNERSHIP	993	0	943	943	894	844	794
UNION PACIFIC RAILROAD COMPANY	249	220	237	457	224	212	199
VAN BASTELAAR, ALPHONSE	78	12	74	86	70	66	62
VAN DIEST, CORNELIUS	934	113	887	1,000	841	794	747
VAN LEEUWEN, JOHN	1,084	NS	NS	NS	976	921	867
VANDER DUSSEN, AGNES (FORMERLY: VANDER DUSSEN, ED)	1,792	NS	NS	NS	1,613	1,523	1,434
VAUGHT, ROBERT E & KAREN M	43	NS	NS	NS	39	37	34
VERNOLA, PAT	1,310	NS	NS	NS	1,179	1,114	1,048
WARD, RONNY H	110	91	105	196	99	94	88
WARD, RONNY H (FORMERLY: WARD, DONNA)	20	16	19	35	18	17	16
WEBER, F R & JUNELL	96	NS	NS	NS	86	82	77
WEBSTER, THOMAS M & PATRICIA J	24	NS	NS	NS	22	20	19
WEIDKNECHT, ARTHUR J & PEGGY A	79	77	75	152	71	67	63
WESTERN HORIZON ASSOCIATES INC	1,188	348	1,129	1,477	1,069	1,010	950
WESTERN ROCK PRODUCTS	31	0	29	29	28	26	25
WET SET, INC	129	0	123	123	116	110	103
WITTE, E DANIEL & MARCIA	27	NS	NS	NS	24	23	22

NOTES:

NS INDICATES A NON-STIPULATED PARTY

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³ EQUAL TO 85% OF BASE ANNUAL PRODUCTION PURSUANT TO STIPULATED JUDGMENT.

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APPENDIX H

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 1994-95
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR
WATER YEARS 1995-96, 1996-97 & 1997-98
(ALL AMOUNTS IN ACRE-FEET)**

BAJA SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	1994-95 FREE PRODUCTION ALLOWANCE			PROPOSED FREE PRODUCTION ALLOWANCE		
		CARRY OVER RIGHT FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE ¹	TOTAL	1995-96 ²	1996-97 ³	1997-98 ⁴
WLSR INC	133	0	126	126	120	113	106
WOO, CHEN	57	NS	NS	NS	51	48	46
WORSEY, JOSEPH A & REVAE	29	NS	NS	NS	26	25	23
YARD, WILLIAM & BETTY	26	NS	NS	NS	23	22	21
YERMO WATER COMPANY	453	NS	NS	NS	408	385	362
YOUNG, KEITH O - (DESERT TURF)	312	88	296	384	281	265	250

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