

WESTERN - SAN BERNARDINO WATERMASTER
FOR

WESTERN MUNICIPAL WATER DISTRICT et al.

vs.

EAST SAN BERNARDINO COUNTY WATER DISTRICT et al.

CASE NO. 78426 - COUNTY OF RIVERSIDE

ANNUAL REPORT

OF THE

WESTERN-SAN BERNARDINO WATERMASTER

FOR

CALENDAR YEAR 2012

August 1, 2013
as amended
September 6, 2013

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Western-San Bernardino Watermaster
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FILED
SUPERIOR COURT OF CALIFORNIA
COUNTY OF RIVERSIDE

SEP 06 2013

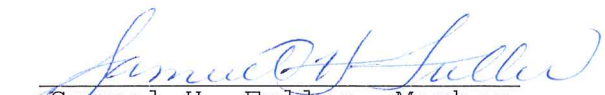
C. Carlton 

Samuel H. Fuller, Member
Western-San Bernardino Watermaster

SUPERIOR COURT OF THE STATE OF CALIFORNIA
FOR THE COUNTY OF RIVERSIDE

WESTERN MUNICIPAL WATER DISTRICT et al.,)	CASE NO. 78426
Plaintiffs,)	NOTICE OF LODGEMENT
)	Amended Annual Report
)	with Appendices
v.)	and Data Volumes
)	dated September 6, 2013
EAST SAN BERNARDINO COUNTY WATER DISTRICT et al.,)	for
Defendants.)	Annual Report
)	filed August 1, 2013
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DATED: September 6, 2013


Samuel H. Fuller, Member
Western-San Bernardino
Watermaster

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Amended Annual Report of the Western-San Bernardino Watermaster
Riverside Superior Court Case Number 78426
Dated September 6, 2013.

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WESTERN - SAN BERNARDINO WATERMASTER

FOR

WESTERN MUNICIPAL WATER DISTRICT ET AL.

vs.

EAST SAN BERNARDINO COUNTY WATER DISTRICT ET AL.

CASE NO. 78426 - COUNTY OF RIVERSIDE

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September 6, 2013

TO: Clerk of Superior Court of Riverside County and All Parties

RE: Watermaster Report for Calendar Year 2012

We have the honor of submitting the Amended Annual Report of the Western-San Bernardino Watermaster for Calendar Year 2012. This amended report includes clarification of the accounting for deliveries of San Bernardino Basin Area extractions to the Colton and Riverside Basin Areas as more fully described in Chapter II, page 18.

The provisions of Paragraph III and Paragraphs V through XII of the Judgment in Case No. 78426, entered April 17, 1969, became effective from and after January 1, 1971. The Judgment requires that the Watermaster report to the Court and to each Party in writing not more than seven months after the end of each year, or within such other time as the Court may fix, on each determination made by said Watermaster pursuant to the Judgment and such other items as the Parties may mutually request or the Watermaster may deem to be appropriate.

Accordingly, this report is submitted herewith under date of September 6, 2013, and presents the findings of the Watermaster for Calendar Year 2012 and summarizes the five-year period 2007 through 2011.

Pursuant to Judgment Paragraphs VI(b) and VI(c), Watermaster has increased the Safe Yield Adjusted Rights of Plaintiffs and San Bernardino Valley to include the New Conservation Allocation determined by Watermaster. Such determination is based on a forecast of the long term average annual new conservation expected to result from operation of the Seven Oaks Reservoir and increased recharge at the Santa Ana River spreading grounds commencing in 2013. The new Adjusted Rights are shown on Table Nos. 2 and 3A-1 through 3D-1.

Watermaster has also determined the amounts of new conservation available for extraction by Plaintiffs and users within San Bernardino Valley resulting from operation of the Seven Oaks Reservoir and increased recharge at the Santa Ana River spreading grounds for the period 1998 through 2012. Also, pursuant to Judgment Paragraph VI(b)2, Watermaster has verified that Plaintiffs have paid their proportionate share of the costs of such new conservation through December 31, 2012.

The allocation among Plaintiffs and San Bernardino Valley of forecast amounts of new conservation and amounts for prior years 1998 through 2012 are summarized in the following table.

New Conservation Allocation

Party	Forecast Amounts for	Amount for Prior Years
	Existing Conditions AF/yr	1998-2012 AF
City of Riverside	1,719	9,635
Riverside Highland Water Company	141	793
Meeks and Daley Water Company	258	1,448
The Regents of the University of California	18	98
San Bernardino Valley	<u>5,507</u>	<u>30,866</u>
Total	7,643	42,840

In order to make new conservation from prior years 1998 through 2012 available for extraction by Plaintiffs and users in San Bernardino Valley, Western and San Bernardino Valley entered an agreement dated July 17, 2013 titled, "2013 Agreement Regarding Additional Extractions of New Conservation Water from the San Bernardino Basin Area". Watermaster will account for such additional extractions in Table Nos. 2, 3A-2 through 3D-2 and 17B-1 through 17B-5 commencing in 2013.

During preparation of the Annual Report for last year (Calendar Year 2011), issues were identified regarding Table Nos. 16, 17 and 18. Watermaster has resolved the issues and resolution of the issues has resulted in modifications of the Annual Report that are described in Chapters II, III, VII, VIII and IX. Such modifications required revision of determinations commencing in 1971 and reduced the amount of credit available to Western and San Bernardino Valley to offset future obligations. After revision there is still credit available in all years commencing in 1971. Therefore, no replenishment would have been required in any prior year had the modifications been in place since 1971.


In conclusion, Table No. 18 shows that during the five-year period 2007 through 2011, Plaintiffs did not exceed the allowable extractions and that Western and San Bernardino Valley credits exceed obligations and therefore neither district is required to provide replenishment.

We, and each of us, hereby certify that this is a true and correct Report of the Watermaster for work performed by us, and under our supervision, for Calendar Year 2012 pursuant to the requirements of the Judgment.

Respectfully submitted,

WESTERN-SAN BERNARDINO WATERMASTER

By 
 Samuel H. Fuller


 John V. Rossi

WESTERN - SAN BERNARDINO WATERMASTER
FOR

WESTERN MUNICIPAL WATER DISTRICT et al.

vs.

EAST SAN BERNARDINO COUNTY WATER DISTRICT et al.

CASE NO. 78426 - COUNTY OF RIVERSIDE

ANNUAL REPORT

OF THE

WESTERN-SAN BERNARDINO WATERMASTER

FOR

CALENDAR YEAR 2012

August 1, 2013
as amended
September 6, 2013

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REPORT OF WATERMASTER
VOLUMES
(Each Volume Bound Separately)

- Volume 1 Verified Extractions from the San Bernardino Basin Area By Non-Plaintiffs for Use Within San Bernardino County
- Volume 1A Verified Extractions from the San Bernardino Basin Area By Plaintiffs
- Volume 2 Verified Extractions from the Colton Basin Area
- Volume 3 Verified Extractions from the Riverside Basin Area Within San Bernardino County
- Volume 4 Verified Extractions from the Riverside Basin Area Within Riverside County
- Volume 5 Distribution of Extractions
- Volume 6 Verified Extractions from the San Bernardino Basin Area, Colton Basin Area, and Riverside Basin Area for Use Within Western on Lands Not Tributary to the Riverside Narrows
- Volume 7 Verified Extractions from the San Bernardino Basin Area for Use on Lands Not Within Western Nor Tributary to the Riverside Narrows and for Use on Lands Within Colton and Riverside Basin Areas
- Volume 8 Ground Water Surface Elevations of Wells Numbered 1S/4W-21Q3, 1S/4W-29H1 and 1S/4W-29Q1 Located Within the Colton Basin Area and Riverside Basin Area in San Bernardino County

CHAPTER I
INTRODUCTION

CHAPTER I

INTRODUCTION

Provisions of the physical solution set forth in the Judgment in Case No. 78426, Western Municipal Water District of Riverside County et al., vs. East San Bernardino County Water District et al., entered April 17, 1969, in the Superior Court of the State of California in and for the County of Riverside, established the entitlements and obligations of the two major water districts overlying the San Bernardino, Colton, and Riverside groundwater basins, namely San Bernardino Valley Municipal Water District (San Bernardino Valley) and Western Municipal Water District of Riverside County (Western).

The Court appointed a Watermaster, composed of two persons, to administer and enforce the provisions of the Judgment and to report annually to the Court and the Parties. Samuel H. Fuller continues as the representative from San Bernardino Valley. John V. Rossi continues as the representative from Western.

The provisions of the Judgment became effective January 1, 1971; however, progress reports were filed with the Court for calendar years 1969, 1970, and 1971 reporting on the progress of verifications and initial determinations required by the Judgment. This report for calendar year 2012 includes a description and summary of the work completed during 2012 and also includes the annual accounting of extractions from the San Bernardino, Colton and Riverside Basin areas and the distribution of such extractions to the various service areas for calendar year 2011. The scope of this report for 2012 and a history of the litigation leading to the physical solution settling the case are set forth in some detail in succeeding paragraphs.

Scope of Report

Paragraph XIII(e) of the Judgment requires the Watermaster to report to the Court and each Party not more than seven months after the end of each year.

The Annual Reports of the Western-San Bernardino Watermaster for calendar years 1969 thru 1971 reported on the verifications and initial determinations required by the Judgment including the safe yield of the San Bernardino Basin Area and the determination of the Adjusted Rights of the Plaintiffs. Beginning with the 1972 Report, the Watermaster began the annual accounting in accordance with the Judgment provisions. This report presents the activities of the Watermaster for calendar year 2012 together with the annual accounting of extractions and deliveries for calendar year 2011.

History of Litigation

Before the turn of the twentieth century, the various water service organizations diverting surface water from the Santa Ana River and pumping from the underground water basins supplied by the underflow of the Santa Ana River and its tributaries have from time to time engaged in litigation over water rights within the San Bernardino, Riverside and Orange County areas.

On October 18, 1963, the Orange County Water District (OCWD) filed suit against the City of Chino and others, seeking an adjudication of water rights against more than 2,500 water users in the Santa Ana River Watershed tributary to Prado Dam. Included among the defendants were the Chino Basin Municipal Water District (now Inland Empire Utility Agency), Western Municipal Water District of Riverside County (Western), and San Bernardino Valley Municipal Water District (San Bernardino Valley). Thirteen cross complaints were filed in 1968, which extended the adjudication to more than 1,500 water users in the

area downstream from Prado Dam, which included OCWD. Thus, some 4,000 parties were involved in the suit, including the three upper districts and OCWD.

With a case of this magnitude, it became obvious that every effort should be made to arrive at an equitable settlement and a physical solution in order to obviate the enormous expense and unwieldy litigation which would be involved if the case were brought to trial.

Attorneys and engineers representing the four major districts and a large number of the defendants worked diligently in order to effect a settlement and some type of physical solution which would prove acceptable to all Parties.

As a result, in May of 1968, an outline of a proposal for settlement of the case was prepared and a committee, composed of attorneys and engineers for the Parties, commenced preparation of the settlement documents.

In June, 1968, the Court held a hearing on the motions which it had received requesting a preliminary injunction and an order of reference. The plaintiff OCWD, however, was concerned with the necessity of bringing the case to trial within the statutory period, and therefore, on July 15, 1968, submitted a motion to set the complaint in the case for trial. On October 15, 1968, the trial was commenced and adjourned after a half day of testimony on behalf of the Plaintiff.

Shortly thereafter, the Parties filed settlement documents with the Court, including a stipulation for Judgment, and on April 17, 1969, the Court, entered the stipulated Judgment, thus terminating the many years of controversy over water rights along the Santa Ana River involving the issues and Parties included in the case of Orange County Water District vs. City of Chino, et al.

During the settlement negotiations, it became apparent that the San Bernardino Valley entities would participate only in a part of the Orange County settlement, in the belief that they had no responsibility for the waters of the Santa

Ana River downstream from the point of rising water at Riverside Narrows. Therefore, the settlement of the OCWD action established an obligation of San Bernardino Valley for the delivery of 15,250 acre-feet of Base Flow annually at the Riverside Narrows, subject, however, to adjustment for quality.

As a result of the Orange County settlement, it became apparent that a second settlement would be necessary between the Riverside and San Bernardino entities who diverted water from the Santa Ana River surface and groundwater sources supplied by the Santa Ana River and tributaries above the Riverside Narrows.

For some time, increasing withdrawals from groundwater resources above Bunker Hill Dike (San Jacinto Fault), which supplied in large part the water requirements of San Bernardino and Redlands as well as the Riverside exporters, had been the cause of concern to the exporters in Riverside County. As a result, on March 1, 1963, a suit was filed by Western, and others, seeking a general adjudication of water rights within the San Bernardino Basin Area. This suit preceded the filing of the Orange County suit, and it was decided that this suit could well be used as a vehicle for a physical settlement between Riverside and San Bernardino interests.

Following extensive negotiations between Riverside and San Bernardino interests, a physical settlement was completed and documents delineating the settlement were entered in the Superior Court of the State of California in and for the County of Riverside on April 17, 1969, being Judgment No. 78426.

Summary of Judgment No. 78426

The physical solution as agreed upon and as set forth in the Judgment states that all instructions and orders of the Court are to be administered and enforced by a Watermaster consisting of a committee of two persons, one of

whom shall be nominated by San Bernardino Valley and the other by Western and appointed by the Court.

The Judgment directed the Watermaster to make certain initial determinations and to verify the amounts of water diverted and pumped from streams and groundwater basins embraced by the Judgment where such amounts had been assumed for purposes of the Judgment. Upon completion of the verifications and initial determinations, compliance with the Judgment requires an annual accounting of groundwater and surface water flows and diversions within the various basins in order that the Watermaster may properly report to the Court the comparisons of the year-by-year operations with the verified entitlements and an accounting as to the replenishment obligations or credits indicated by such comparison. The items verified or determined initially and to be reported on annually are as follows:

	Watermaster Determinations Required by Judgment	Verified for Five Calendar Years Ending with 1963	To be Determined Annually from and after 1971
1.	Total actual average annual extractions from the San Bernardino Basin Area by entities other than Plaintiffs for use within San Bernardino County.	X	X
2.	The natural safe yield of the San Bernardino Basin Area based upon the cultural conditions equivalent to those existing during the five-calendar year period ending with 1963.	1	1
3.	The annual "adjusted right" of each exporter (Plaintiff) to extract water from the San Bernardino Basin Area based upon the percentage of the natural safe yield determined by the methods used in Table B-2 of the Judgment.	X	
4.	The annual production by Plaintiffs for comparison with adjusted right determined in item 3 next preceding.		X

	Watermaster Determinations Required by Judgment	Verified for Five Calendar Years Ending with 1963	To be Determined Annually from and after 1971
5.	Annual discharge from the City of San Bernardino Water Quality Control Plant to the river as to quantity and quality.	2	X
6.	Average annual extractions from the Colton Basin Area for use outside San Bernardino Valley.	X	X
7.	Average annual extractions from the Riverside Basin Area within San Bernardino County for use outside San Bernardino Valley.	X	X
8.	The average static water level within the Colton Basin and Riverside Basin within San Bernardino County as determined by the three wells listed in Judgment.	3	X
9.	The average annual extractions from that portion of the Riverside Basin Area in Riverside County which is tributary to the Riverside Narrows for use in Riverside County.	X	X
10.	Annual amounts of water extracted for use within Western from the San Bernardino Basin Area and the area downstream therefrom to the Riverside Narrows which have been exported for use outside the area tributary to the Riverside Narrows.	X	X
11.	Annual amount of water extracted from the San Bernardino Basin Area for use within San Bernardino County on lands which are not tributary to the Riverside Narrows and for use on lands within Colton and Riverside Basin Areas.	4	X

12. Reduction in return flow now contributing to base flows at Riverside Narrows which results from conversion of agriculture using water within Western to domestic or other uses connected to sewage or waste disposal system, the effluent from which is not tributary to the rising water at Riverside Narrows.

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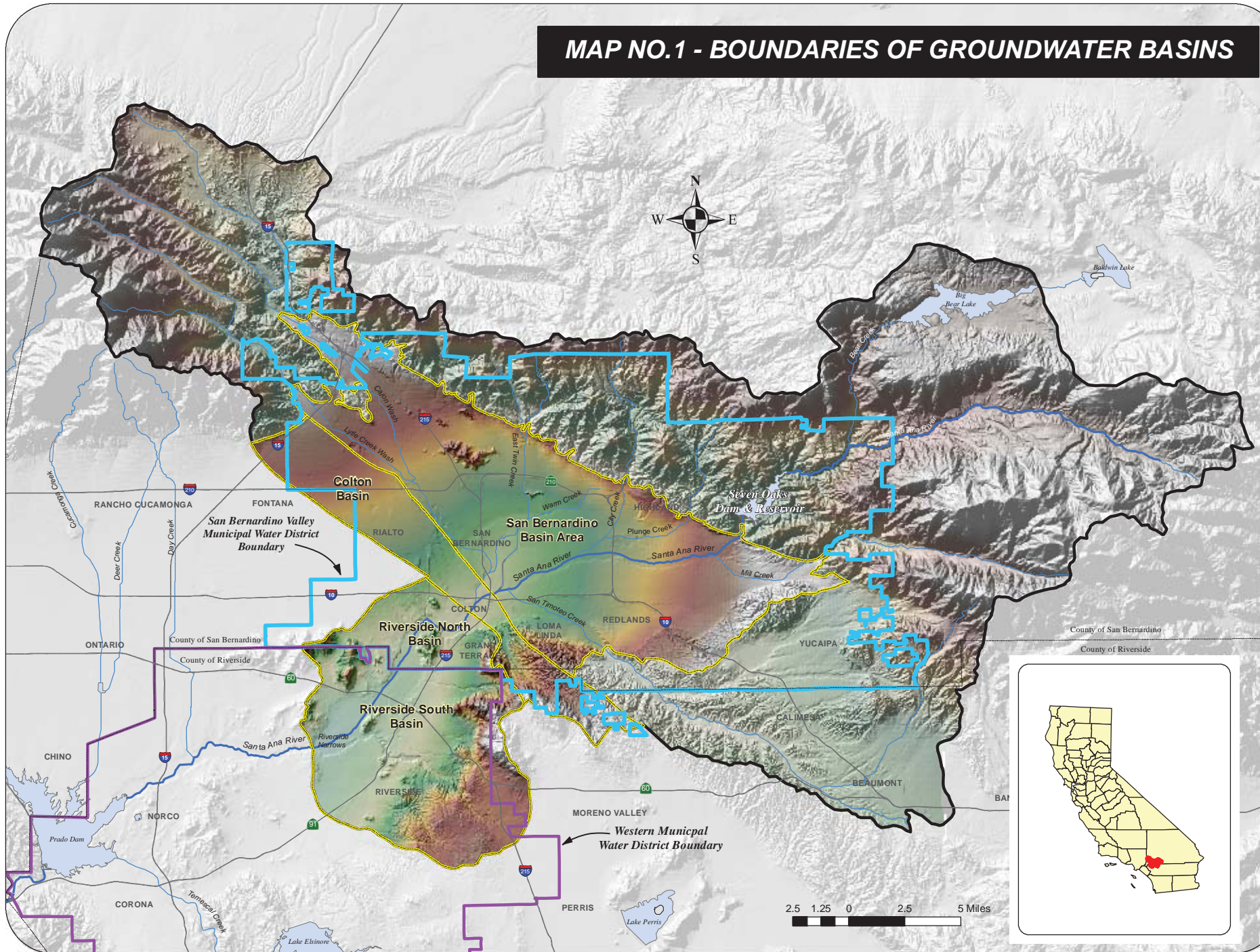
X

- 1 Determined initially by supplemental order of the Court to be 232,100 acre-feet per annum. Such amount is subject to the continuing jurisdiction of the Court.
- 2 Assumed for purposes of Judgment to be 16,000 acre-feet annually, verification not required.
- 3 Established at 822.04 feet above sea level, based on fall season of 1963.
- 4 Revised by Watermaster during preparation of the Annual Report for calendar years 1974 and 2012, in accordance with the 1992 Amendment.
- 5 Average for 5 years ending with 1963 established by Judgment to be 3,916 acres; verification not required.

The foregoing initial determinations and verifications required by the Judgment have been completed and were reported in the *Annual Report* of the *Western-San Bernardino Watermaster for Calendar Years 1971 and 1972* and continue to be reported in each annual report of the Watermaster. Map No. 1 shows the boundaries of the groundwater basins covered by the Judgment.

MAP NO.1 - BOUNDARIES OF GROUNDWATER BASINS

8



CHAPTER II
WATERMASTER ACTIVITIES

CHAPTER II

WATERMASTER ACTIVITIES

The Watermaster activities have included principally the collection, tabulation, and analysis of data, the maintenance of records, and the preparation of the annual report which presents the determinations and findings of the Watermaster as required by the Judgment.

The Annual Report is comprised of this summary document, separately bound appendices and nine separately bound data documents identified as Report of Watermaster, Volumes 1, 1A and 2 through 8. Appendix A is a compilation of Annual Report Table Nos. 2 through 17. Appendix B is Volume 1, Table No. 8 and numerous tables in Volume 7. All appendices are in PDF format from which the data can be copied/converted electronically. Volumes 1 through 8 are the source of data used to construct Tables Nos. 2 through 18 in this report and include hundreds of pages of raw data and calculations.

The Organization of Annual Report (Diagram No. 1), included at the end of this chapter, identifies which of the Volumes 1 through 8 is a source of data for each of the Annual Report Table Nos. 2 through 18. The diagram shows how hundreds of pages of data and calculations are summarized in the Annual Report tables. Annual Report Table Nos. 2 through 17 are used to address the four basic questions regarding compliance with four general provisions of the Judgment in Table No. 18 highlighted in blue at the bottom of the diagram.

Groundwater Extractions

The most important data required for implementing the provisions of the Judgment are the annual tabulations of the groundwater extractions and surface water diversions made within the San Bernardino, Colton, and Riverside Basin Areas. These extractions and diversions were initially determined and verified

for the 1959-63 Base Period and were assembled and summarized in the June 1972 Report of Watermaster; Volume 1, titled *Verification of Extractions from San Bernardino Basin Area*; Volume 2, titled *Verification of Extractions from Colton Basin Area*; Volume 3, titled *Verification of Extractions from Riverside Basin Area Within San Bernardino County*; and Volume 4, titled *Verification of Extractions from Riverside Basin Area Within Riverside County*. The Watermaster has established a system for tabulating annual notices of groundwater extractions and surface diversions filed with the State Water Resources Control Board or, since calendar year 2005, with the Watermaster. The filed data are verified by the Watermaster and provide the basis for the annual accounting of extractions as required by the Judgment. Such extractions have been determined for calendar year 2011 and are summarized herein. Listings of the verified extractions by each individual owner for calendar year 2011 are assembled in Report of Watermaster, Volumes 1-2011, 1A-2011, 2-2011, 3-2011, and 4-2011.

Distribution of Extractions

In addition to the annual accounting of the extractions from each basin, the Judgment also requires a determination as to the distribution of such extractions to the various service areas.

The distribution of verified extractions from the Colton and Riverside Basin Areas and the distribution of the Plaintiffs' extractions from the San Bernardino Basin Area were determined initially for the 1959-63 base period, and were reported in the June 1972 Report of Watermaster, Volume 5, titled *Distribution of Extractions*. Such distribution has been determined for calendar year 2011 and is summarized herein. Detailed work sheets are assembled in Report of Watermaster, Volume 5-2011.

The Watermaster is also required to determine the amount of water extracted from each of the various Basin Areas and delivered to areas not

tributary to Riverside Narrows. Such amounts fall into two classifications, described as follows:

- 1) Extractions from the San Bernardino Basin Area, Colton Basin Area, and Riverside Basin Area for use within Western on lands not tributary to the Riverside Narrows, as reported in Volume 6-2011.
- 2) Extractions from the San Bernardino Basin Area for use on lands not within Western nor tributary to the Riverside Narrows, as reported in Volume 7-2011.

The amount of water extracted and delivered under Classification No. 1 was determined initially for the 1959-63 Base Period and was reported in the Report of Watermaster, Volume 6, dated June, 1972. The amount determined for calendar year 2011 is summarized herein. Detailed work sheets are assembled in the Report of Watermaster, Volume 6-2011.

The amount of water extracted and delivered under Classification No. 2 was determined for the 1959-63 Base Period and the additional years 1970 and 1971 and was published in the Report of Watermaster, Volume 7, dated February, 1973. The amount was revised in Report of Watermaster, Volume 7, published September 6, 2013. The amount determined for calendar year 2011 is summarized herein. Detailed work sheets are assembled in the Report of Watermaster, Volume 7-2011.

Groundwater Level Measurements

Groundwater surface elevation data required for three key wells located in the Colton Basin Area and the Riverside Basin Area within San Bernardino County are currently furnished by the City of Riverside, San Bernardino Valley and Western.

These data are shown in both tabular and graphical form for calendar years 1963 thru 2011 in Volume 8 of previous Watermaster reports. The

determination for calendar year 2012 is shown in the Report of Watermaster, Volume 8-2011.

Stream Flow and Water Quality Measurements

The program of stream flow measurements conducted by the United States Geological Survey (USGS) in cooperation with the Watermaster has continued to provide basin inflow and stream diversion data.

The Western-San Bernardino Watermaster participates with the Santa Ana River Watermaster in part of the expense of the cooperative program with the USGS on surface water gages and water quality monitors at various locations. These expenses are presented in reports filed by the Santa Ana River Watermaster. The costs incurred for stream flow data collected and analyzed by the USGS on behalf of the Western-San Bernardino Watermaster are set forth in Table No. 1.

Field Inspections

During the verification of the 2011 extractions from the San Bernardino, Colton and Riverside Basin Areas, some of the pumping facilities installed for extraction of groundwater and diversion of surface water were visited by members of the Watermaster or their representatives. Contact was made with some of the extractors to review their methods of computing extractions for the annual reports that were filed with the Watermaster.

During the initial verification program in the San Bernardino Basin Area, it was found that some groundwater producers and several diverters of surface water did not file their extractions and diversions with the State Water Resources Control Board. This condition was found to exist in some locations during the current year, which again necessitated inspection trips and contacts with various owners by the Watermaster members or their representatives.

Western Extractions From the San Bernardino Basin Area

In 2004, Western and San Bernardino Valley implemented Paragraphs VI(b)6 and XV(a) of the Judgment to provide replenishment of the San Bernardino Basin Area with imported water and subsequent extraction for use within Western. Under these provisions of the Judgment and the August 18, 2004 Paragraph VI(b)6 agreement with San Bernardino Valley, Western acquired 3,500 acre-feet of imported water in 2004, 2,500 acre-feet in 2005 and 2,459 acre-feet in 2009 for replenishment of the San Bernardino Basin Area. Table No.17A accounts for such replenishment and any subsequent extractions by Western or Plaintiffs. In Table No. 17A, the net accumulated excess of replenishment over extractions is shown as a Credit, and Western may extract its Credit, or any portion thereof, at any future time, and may transfer such right to any Plaintiff, pursuant to the Paragraph VI(b)6 agreement dated August 18, 2004. Such transfers and extractions are shown on Table Nos. 3A-2 through 3D-2 as Additional Deliveries.

Watermaster Collaborative Advisory Process

The Watermaster is improving the ways in which it prepares and presents the information required under the Judgment to the Court, the Parties and other interested individuals. The Watermaster invited all interested persons and agencies to participate in a collaborative advisory process and on June 24, 2010 conducted the first Western-San Bernardino Watermaster Collaborative Advisory Process meeting. The Watermaster is continuing to meet with all interested parties in the collaborative process. Numerous topics have been discussed at the meetings, including; Watermaster accounting procedures, the safe yield and the natural safe yield of the San Bernardino Basin Area, water resource activities within the San Bernardino Basin Area, basin management, conjunctive use and new conservation. The participants have elected to further refine groundwater basin and surface water hydrology models to better understand the operational

characteristics of the San Bernardino Basin Area and for use in calculating new conservation.

2013 Annual Report Modifications

One of the principal efforts of Watermaster and the collaborative group for the past two years has been to make new conservation water resulting from operation of Seven Oaks Reservoir available for extraction and use by Plaintiffs and users within San Bernardino Valley. The determination of the amount of new conservation was the initial element of work. Developing a methodology for making the water available for extraction and accounting for its use in the Annual Report has been another major element.

As the work progressed, it quickly became apparent that Annual Report tables needed to be modified to include new conservation. However, it also became apparent that changes unrelated to new conservation could be made to make the report more accurate, more readable and more useful as a source of water resource data.

Report sections describing modifications have been added at the end of Chapter III, Chapter VII, Chapter VIII and Chapter IX to describe changes relevant to provisions of the Judgment addressed in each of these chapters.

Chapter III includes modifications to Table Nos. 2 and 3 to accomplish the following:

- 1) To make available to Plaintiffs and San Bernardino Valley, new conservation water resulting from operation of Seven Oaks Reservoir through further adjustment of the Adjusted Right pursuant to Judgment Paragraphs VI(b) and VI(c).
- 2) To account for extraction of new conservation water, including any such water made available by agreement between

Western and San Bernardino Valley pursuant to Judgment Paragraph VI(b)6,

- 3) To improve understanding and readability of the Annual Report by relocating the accounting for high groundwater mitigation program related extractions from footnotes in Table Nos. 2, 10 through 13 and 17 to columns in Table Nos. 2 and 3.
- 4) To include the Big Bear Lake in-lieu exchange water as an extraction from the San Bernardino Basin Area and thereby more accurately reflect the effects of the exchange program on storage in the basin.

Chapter VII includes a modification to Table No. 8 to allow the calculations of export past Riverside Narrows to be better understood. The modification consists of conforming the logic used to adjust such export by users within Western, as provided for in the high groundwater mitigation agreements, to match the logic used to similarly adjust export from the San Bernardino Basin Area by users other than Plaintiffs. Such adjustment has previously been made in Report of Watermaster, Volume 6 and therefore was reflected in Table No. 8. After modification the adjustment is made later in Table No. 14.

Chapter VIII includes modifications of Table No. 9 necessary to more accurately reflect the effect of extractions used outside the San Bernardino Basin Area on storage in the Basin Area and to account for deliveries to the Colton and Riverside Basin Areas in a manner consistent with the amendments to the Judgment approved by the Court in 1992. The modified Table No. 9A now shows the extractions from the San Bernardino Basin Area that are exported for use in the Chino, Yucaipa, San Timoteo, Oak Glen and Beaumont Basins. Table No. 9B shows similar extractions delivered in the Colton and Riverside Basin Areas.

Chapter IX includes modifications of Table Nos. 10 through 18 generally described as follows:

- 1) Table Nos. 10 through 13 are modified to improve readability and usefulness by relocating data that was previously in footnotes to columns in Table Nos. 3A through 3D. To improve understanding, column headings are also modified to create consistency with Table Nos. 3A through 3D and the text of the Annual Report.
- 2) Table Nos. 14 and 15A are modified to provide clarity and consistent logic for applying adjustments to the total new export. The modifications include a deduction from the total new export of the amount of additional water allowed to be extracted pursuant to the high groundwater mitigation program Judgment Paragraph VI(b)6 agreements. Such inclusion in Table No. 15A permitted high groundwater mitigation program related data to be removed from footnotes on Table No. 17. Similarly, the inclusion in Table No. 14 allowed the deduction to be deleted in Report of Watermaster, Volume 6. As a result, the logic for addressing the new export calculations associated with the high groundwater mitigation program is the same in both Table No. 16 and Table No. 17. Table No. 15B has been added to account for the return flow resulting from delivery of San Bernardino Basin Area extractions to the Colton and Riverside Basin Areas. Such accounting maintains hydrologic integrity in the San Bernardino Basin Area and enables Watermaster to provide San Bernardino Valley with credit in the Colton and Riverside Basin Areas for the return flow

resulting from deliveries to these Basins of San Bernardino Basin Area extractions pursuant to Judgment Paragraph X as amended in 1992.

- 3) Table Nos. 16 and 17 are summary tables and have been modified primarily to express the determinations of credit or obligation in uniformly defined terms that result in data that is more accurate and more directly useable for purposes other than determining compliance with the Judgment. The determination of the net accumulated credit or obligation for Western and San Bernardino Valley is based on a summation of all activities or water transfers that affect groundwater storage in the San Bernardino Basin Area or storage in the Colton and Riverside Basin Areas which in turn can affect Base Flow at Riverside Narrows. The tables have been modified to show how the amount of each type of water transfer, affects water in storage. This modification in Table No. 17 may prove useful in making comparisons between the calculation of change in groundwater storage based on the annual average yield associated with the natural safe yield determination by Watermaster and the storage change based on water level data. Such comparison is unnecessary for determination of compliance with the Judgment.
- 4) Table No. 18 has been modified to more clearly address the four basic questions regarding compliance with four general provisions of the Judgment. The table clearly indicates: 1) if Plaintiffs are in compliance with provisions of the Judgment, 2) if any replenishment is required in the San Bernardino Basin

Area by San Bernardino Valley and 3) if either Western or San Bernardino Valley may be required to provide replenishment between the Bunker Hill Dike and Riverside Narrows.

Modifications Included in the Amended Annual Report

On August 1, 2013 Watermaster filed the calendar year 2012 Annual Report with the Court. Subsequent to the filing Watermaster determined that the accounting for deliveries of San Bernardino Basin Area extractions to the Colton and Riverside Basin Areas should be clarified. Therefore, this amended Annual Report was filed with the Court on September 6, 2013 and included modifications related to such deliveries to the Colton and Riverside Basin Areas as well as typographical and other minor non-substantive changes. A redline version of this report showing all text changes relative to the report filed on August 1, 2013 is available from Watermaster.

The purpose of this section is to describe the modifications made in the amended report to clarify the Watermaster historic use of the term “New Export” and to introduce a new term, “New Deliveries”, to refer to deliveries from San Bernardino Basin Area to the Colton and Riverside Basin Areas. Such clarification and new terminology does not result in a substantive change in the amount of San Bernardino Valley credit in the San Bernardino Basin Area. Such clarification is intended to improve understanding and readability of the Annual Report filed August 1, 2013.

The term “New Export” is not defined in the Judgment. However, historically Watermaster has used the term to describe any additional amounts, relative to the verified base period amount, of export to areas not tributary to Riverside Narrows of extractions from the San Bernardino, Colton and Riverside Basin Areas by users within Western and San Bernardino County.

In 1992 the Court approved amendments to the Judgment that primarily addressed the use of extractions in areas outside the basin of origin and they appear in Judgment Paragraphs VI and X. The rationale for and the effect of such amendments are more fully discussed later in Chapter VIII, pages 95 and 96. A copy of the amended Judgment is available on the 2013 Annual Report DVD.

One of the amendments to Paragraph X includes a San Bernardino Valley replenishment obligation to offset loss of return flow related to any increase, relative to the base period, in exports from the Colton and Riverside Basin Areas to any area not within Western nor tributary to the Riverside Narrows. As noted in Chapter VIII, page 97

Watermaster has not completed work necessary to fully account for such export.

The Paragraph X amendment referenced above further provides that San Bernardino Valley will receive credit against any obligations in the Colton and Riverside Basin Areas for the return flow resulting from the delivery to such Basin Areas of extractions that originate outside the Basins. In the August 1, 2013 Annual Report, Watermaster accounted for such deliveries from the San Bernardino Basin Area to the Colton and Riverside Basin Areas. Watermaster performed such accounting to eventually be able to credit San Bernardino Valley obligations in the Colton and Riverside Basin Areas as required by the amendment and to maintain hydrologic integrity in the San Bernardino Basin Area as referenced in Watermaster documents that supported the 1992 amendments. Hydrologic integrity of the San Bernardino Basin Area is maintained by excluding from determinations of credits and obligations, the return flow resulting from Basin extractions that are used anywhere outside the Basin.

In the August 1, 2013 Annual Report, Watermaster characterized San Bernardino Basin Area extractions used in the Colton and Riverside Basin Areas as new export thereby effectively expanding the historic Watermaster definition of new export to also include delivery of San Bernardino Basin Area extractions to other basins like Colton and Riverside that are tributary to the Riverside Narrows. Watermaster now recognizes that for readers that are accustomed to associating new export with only deliveries to areas not tributary to Riverside Narrows, the use of the expanded definition could be confusing. Therefore, the amended report includes the use of a new term, “New Deliveries”, to refer to the additional transfer of extractions from one basin to another when both basins are tributary to Riverside Narrows.

Separating the transfers among basins tributary to Riverside Narrows from export to areas not tributary was relatively easy and consisted principally of modifications to Table Nos. 9, 15 and 17 as follows:

Table Nos. 9A and 9B

The top half of the original Table No. 9 in the August 1, 2013 Annual Report showed extractions from the San Bernardino Basin Area for use on lands not tributary to Riverside Narrows. The bottom half showed similar extractions for use in the Colton Basin Area which is tributary to Riverside Narrows.

Table No. 9A in the amended report is identical to the top half of the original Table No. 9. Table No. 9B is identical to the bottom half of the original Table No. 9 except that Riverside Basin has been added to the title. The original determination of lands upon which San Bernardino Basin Area water is used included lands in the Riverside Basin Area. The reference to Riverside Basin Area was inadvertently left out of the title in the August 1, 2013 report.

Table Nos. 15A and 15B

The original Table No. 15 in the August 1, 2013 Annual Report showed the sum of the extractions for use on lands not tributary to the Riverside Narrows (top half of original Table No. 9) and extractions for use on lands in the Colton Basin Area (bottom half of original Table No. 9) as Actual Export. Actual Export minus the base period export, minus any Additional New Export resulting from the waiver of Judgment Paragraph X provisions in years when high groundwater mitigation agreements were entered, was shown as New Export.

Table No. 15A in the amended report now shows, as Actual Export, only the San Bernardino Basin Area extractions used on lands not tributary to the Riverside Narrows. Such exported extractions are equal to the total amounts shown on Table No. 9A.

Table No. 15B in the amended report now shows as Actual Deliveries, the San Bernardino Basin Area extractions used on lands in the Colton and Riverside Basin Areas, which are tributary to the Riverside Narrows. Such delivery of extractions is equal to the total amounts shown on Table No. 9B

The high groundwater mitigation agreements referenced previously provide that the replenishment obligations of Judgment Paragraph X shall not apply to additional extractions made available pursuant to the agreements. Hence Additional New Export and Additional New Deliveries are excluded in Table Nos. 15A and 15B, respectively. During the process of amending the original Table No. 15, data corrections to years 1999, 2000, and 2001 resulted in a reduction of the sum of Additional New Export and Additional New Deliveries equal to 1,368 AF. Such reduction caused a decrease in the Net Accumulated Credit in Table No. 17 equal to the return flow component of the reduction which equals 492 AF ($1,368 \times 0.36 = 492$).

Table No. 17

Table No. 17 in the amended report has been modified to include three new lines of data described as follows:

- 1) New Deliveries to Colton and Riverside Basin Areas (4th line) – This data is from Table 15B. This data plus the New Export data in the 3rd line is equal to the amount shown as New Export in the August 1, 2013 report, except in years 1999, 2000, and 2001 when data corrections, discussed previously, were made.
- 2) New Deliveries Credit (11th line) – New Deliveries Credit occurs when New Deliveries are negative.
- 3) New Deliveries Obligation (20th line) – New Deliveries Obligation occurs when New Deliveries are positive.

In summary, the net effect of the September 6, 2013 amendment to the August 1, 2013 report is that the amounts previously shown as New Export in Table No. 17 have been segregated into two parts. The first part, New Export, is now only the new extractions from the San Bernardino Basin Area, relative to the base period, that are used on lands not within Western nor tributary to the Riverside Narrows. The second part, New Deliveries, is similar extractions that are delivered to the Colton and Riverside Basin Areas which are tributary to the Riverside Narrows.

The Net Accumulated Credit shown on Table No. 17 in the amended report is 492 AF less than the amount shown on Table No. 17 in the August 1, 2013 report. Such difference in credit is not a result of clarifying “New Export” and addition of the term “New Deliveries”, but rather a result of making the high groundwater mitigation agreement data corrections in years 1999 through 2001 as previously discussed.

DIAGRAM No. 1 ORGANIZATION OF ANNUAL REPORT

Sources of Data for Plaintiff Compliance in SBBA

Sources of Data for Table 16, Table 17 and Table 18

23

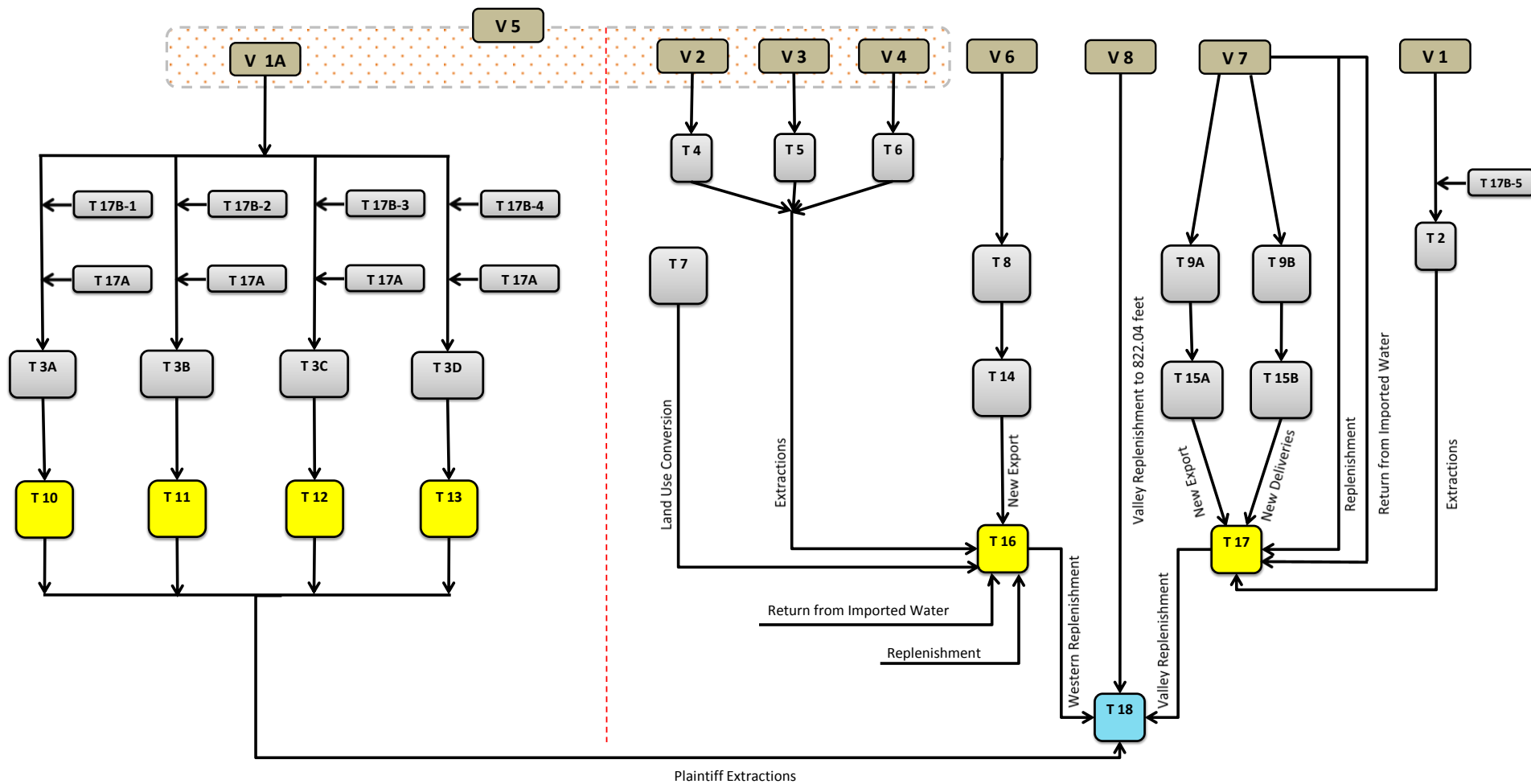


DIAGRAM NO. 1 INDEX

REPORT OF WATERMASTER, VOLUMES 1 THROUGH 8

- 1 Verified Extractions from the San Bernardino Basin Area By Non-Plaintiffs for Use Within San Bernardino County
- 1A Verified Extractions from the San Bernardino Basin Area By Plaintiffs
- 2 Verified Extractions from the Colton Basin Area
- 3 Verified Extractions from the Riverside Basin Area Within San Bernardino County
- 4 Verified Extractions from the Riverside Basin Area Within Riverside County
- 5 Distribution of Extractions
- 6 Verified Extractions from the San Bernardino Basin Area, Colton Basin Area, and Riverside Basin Area for Use Within Western on Lands Not Tributary to the Riverside Narrows
- 7 Verified Extractions from the San Bernardino Basin Area for Use on Lands Not Within Western Nor Tributary to the Riverside Narrows and for Use on Lands Within Colton Basin Area
- 8 Ground Water Surface Elevations of Wells Numbered 1S/4W-21Q3, 1S/4W-29H1 and 1S/4W-29Q1 Located Within the Colton Basin Area and Riverside Basin Area in San Bernardino County

ANNUAL REPORT TABLES 2 THROUGH 18

- 2 Adjusted Right to Extract and Verified Extractions of Other Than Plaintiffs From the San Bernardino Basin Area
- 3A-1 Adjusted Right of City of Riverside to Extract From the San Bernardino Basin Area For Use in Each Service Area
- 3A-2 Verified Extractions by the City of Riverside From the San Bernardino Basin Area For Delivery to Each Service Area
- 3B-1 Adjusted Right of Riverside Highland Water Company to Extract From the San Bernardino Basin Area For Use in Each Service Area
- 3B-2 Verified Extractions by Riverside Highland Water Company From the San Bernardino Basin Area For Delivery to Each Service Area
- 3C-1 Adjusted Right of Agua Mansa Water Company and Meeks & Daley Water Company to Extract From the San Bernardino Basin Area For Use in Each Service Area
- 3C-2 Verified Extractions by Agua Mansa Water Company and Meeks & Daley Water Company From the San Bernardino Basin Area For Delivery to Each Service Area
- 3D-1 Adjusted Right of The Regents of the University of California to Extract From the San Bernardino Basin Area For Use in Each Service Area

DIAGRAM NO. 1 INDEX

- 3D-2 Verified Extractions by The Regents of the University of California From the San Bernardino Basin Area For Delivery to Each Service Area
- 4 Verified Extractions From Colton Basin Area by San Bernardino and Riverside County Entities For Use Within Each County
- 5 Verified Extractions from Riverside Basin Area in San Bernardino County by San Bernardino and Riverside County Entities For Use Within Each County
- 6 Verified Extractions From Riverside Basin Area in Riverside County For Use in Riverside County
- 7 Reduction in Return Flow Contributing to Base Flow at Riverside Narrows Resulting From Conversion of Agricultural Uses of Water to Domestic Uses Connected to a Sewage System Discharging to the River Below Riverside Narrows
- 8 Verified Extractions From the San Bernardino Basin Area, the Colton Basin Area, and the Riverside Basin Area For Use Within Western on Lands That Are Not Tributary to the Riverside Narrows
- 9A Verified Extractions from the San Bernardino Basin Area For Use on Lands Not Within Western Nor Tributary to Riverside Narrows
- 9B Verified Extractions from the San Bernardino Basin Area For Use on Lands Within Colton and Riverside Basin Areas
- 10 Annual Accounting of Extractions by the City of Riverside From the San Bernardino Basin Area For Delivery to Each Service Area
- 11 Annual Accounting of Extractions by Riverside Highland Water Company From the San Bernardino Basin Area For Delivery to Each Service Area
- 12 Annual Accounting of Extractions by Agua Mansa Water Company and Meeks & Daley Water Company From the San Bernardino Basin Area For Delivery to Each Service Area
- 13 Annual Accounting of Extractions by The Regents of The University of California From the San Bernardino Basin Area For Delivery to Each Service Area
- 14 Annual Accounting for Western Municipal Water District Export of Extractions From San Bernardino Basin Area, Colton Basin Area, and Riverside Basin Area for Use Within Western on Lands That Are Not Tributary to the Riverside Narrows
- 15A Annual Accounting for San Bernardino Valley Municipal Water District Export of Extractions from San Bernardino Basin Area For Use on Lands Not Within Western Nor Tributary to the Riverside Narrows
- 15B Annual Accounting for San Bernardino Valley Municipal Water District Delivery of Extractions from San Bernardino Basin Area For Use on Lands Within Colton and Riverside Basin Areas

DIAGRAM NO. 1 INDEX

- 16 Annual Accounting for Western Extractions From Colton Basin Area and Riverside Basin Area in Riverside and San Bernardino Counties for Use Outside San Bernardino Valley
- 17 Annual Accounting for San Bernardino Valley Municipal Water District Extractions From San Bernardino Basin Area
- 17A Annual Accounting for Additional Extractions of Imported Water From San Bernardino Basin Area by Western Municipal Water District
- 17B-1 Annual Accounting for Additional Extractions of New Conservation Water From San Bernardino Basin Area by City of Riverside
- 17B-2 Annual Accounting for Additional Extractions of New Conservation Water From San Bernardino Basin Area by Riverside Highland Water Company
- 17B-3 Annual Accounting for Additional Extractions of New Conservation Water From San Bernardino Basin Area by Aqua Mansa Water Company and Meeks & Daley Water Company
- 17B-4 Annual Accounting for Additional Extractions of New Conservation Water From San Bernardino Basin Area by The Regents of The University of California
- 17B-5 Annual Accounting for Additional Extractions of New Conservation Water From San Bernardino Basin Area by San Bernardino Valley Municipal Water District
- 18 Summary of Compliance with Four Principal Provisions of the Judgment

TABLE NO. 1
COSTS TO THE PARTIES FOR USGS
SURFACE WATER MEASUREMENTS USED BY
WESTERN-SAN BERNARDINO WATERMASTER

November 1, 2011 to October 31, 2012

	<u>Parties</u> <u>Share</u> <u>of Cost</u>	<u>USGS</u> <u>Share</u> <u>of Cost</u>
Santa Ana River near Mentone	\$13,550	\$9,050
Santa Ana River near Mentone Supplemental	\$8,150	\$5,400
Mill Creek near Mentone	14,550	0
Plunge Creek near Highland Upper Division	8,150	5,400
Plunge Creek near Highland Middle Diversion	8,150	5,400
Plunge Creek near Highland Streamflow	13,550	9,050
City Creek Canal near Highland	8,150	5,400
City Creek near Highland Streamflow	13,550	9,050
San Timoteo Creek near Loma Linda	13,550	9,050
East Twin Creek near Arrowhead Springs	13,550	9,050
Santa Ana River at E Street	14,500	0
Warm Creek near San Bernardino	13,550	9,050
<u>Lytle Creek at Fontana Union Water Company Head Gates</u>		
Infiltration Pipeline Meter	3,150	2,100
Lytle Creek near Fontana Streamflow	14,800	9,850
Weir No. 2 and No. 3 — Head Gate Diversion	13,550	0
20-ft. Weir — Forebay Spillway Return to Creek	13,550	0
<u>Southern California Edison Lower Powerhouse on Lytle Creek</u>		
20-ft. Weir — Discharge of Lower Powerhouse	13,550	0
Parshall Flume — Return to Creek from Afterbay	13,550	0
20-ft. Weir to West Fontana Union Diversion	13,550	0
Cajon Creek below Lone Pine Creek near Keenbrook	13,550	9,050
Devil Canyon Creek near San Bernardino	13,550	9,050
Lytle Creek at Colton	<u>0</u>	<u>9,050</u>
 SUBTOTAL FOR PARTIES	 \$255,750	
 SUBTOTAL FOR UNITED STATES GEOLOGICAL SURVEY		 <u>\$115,000</u>
 TOTAL COST FOR SURFACE WATER MEASUREMENTS		 \$370,750

CHAPTER III

**EXTRACTIONS FROM THE
SAN BERNARDINO BASIN AREA**

CHAPTER III

EXTRACTIONS FROM THE SAN BERNARDINO BASIN AREA

The extractions from the San Bernardino Basin Area have been classified as first, those extractions and diversions for use by other than Plaintiffs and second, those extractions and diversions for use by Plaintiffs.

The total verified extractions by other than Plaintiffs for calendar years 1971 through 2011, together with five-year totals, are shown on Table No. 2. The individual work sheets for the 2011 verifications are included in Report of Watermaster, Volume 1-2011.

The total verified extractions from the San Bernardino Basin Area by Plaintiffs for the calendar years 1971 through 2011, are shown on Table No. 3. The individual work sheets for the 2011 verifications and distribution of extractions by Plaintiffs are included in Report of Watermaster, Volume 1A-2011 and Volume 5-2011.

For reference, the Adjusted Rights of other than Plaintiffs and Plaintiffs are also shown on Table Nos. 2 and 3. Commencing in 2013, the Adjusted Rights include part of the new conservation resulting from operation of Seven Oaks Reservoir pursuant to Judgment Paragraphs VI(b) and VI(c). The part included consists of the average annual new conservation that is forecast to occur over a long term at the existing or enhanced Santa Ana River spreading grounds. Table Nos. 2 and 3 show the Adjusted Right as the sum of the Safe Yield Adjusted Right and the New Conservation Allocation resulting from the long term forecast.

Table Nos. 2 and 3 also show that extractions are equal to the total extractions minus any additional extractions which are allowed pursuant to

Judgment Paragraph VI(b)6 agreements. Additional extractions have been allowed in the past to mitigate high groundwater conditions and to allow extraction by Plaintiffs of imported water recharged by Western pursuant to a Judgment Paragraph VI(b)6 agreement. In the future, any new conservation resulting from operation of Seven Oaks Reservoir that is not recharged at the existing or enhanced Santa Ana River spreading grounds may be made available to users through Judgment Paragraph VI(b)6 agreements and similarly accounted for in Table Nos. 2 and 3 as additional extractions.

Paragraph VII of the Judgment titled *Water Discharged Across Bunker Hill Dike* recites as follows:

San Bernardino Valley shall keep in force an agreement with the City of San Bernardino that the present annual quantity of municipal sewage effluent discharged across Bunker Hill Dike, assumed for all purposes herein to be 16,000 acre-feet annually, shall be committed to the discharge of the downstream obligations imposed on San Bernardino Valley under this Judgment or under the Orange County Judgment, and that such effluent shall comply with the requirements of the Santa Ana River Basin Regional Water Quality Control Board in effect December 31, 1968.

The Judgment does not charge the Watermaster with verification of the 16,000 acre-feet amount of sewage effluent discharge or the enforcement of the water quality requirements.

Prior to December 1972, sewage effluent was discharged across the Bunker Hill Dike via Warm Creek (Plant No. 1) and the Santa Ana River (Plant No. 2). With the completion of the new Water Quality Control Plant at the "E" Street site (Plant No. 2) the total effluent discharge of the City of San Bernardino Water Quality Control Plant accrued to the Santa Ana River immediately upstream from the "E" Street Bridge. In January, 1973, the Watermaster in cooperation with the USGS began operation of a gaging station on the plant outfall to obtain a continuous record of the quantity and mineral quality of the sewage effluent discharged to the Santa Ana River. This station has been

discontinued and Watermaster now relies on the City of San Bernardino for these data.

On April 1, 1996, the cities of San Bernardino and Colton began discharging their municipal wastewater effluent at a point several miles farther downstream from the historical discharge points, through the Rapid Infiltration and Extraction System (RIX). RIX is a 50-acre groundwater recharge and extraction system specifically designed to meet the filtration and disinfection requirements of *California Code of Regulations, Title 22*, for discharge in Reach Four of the Santa Ana River.

The Regional Water Quality Control Board had ordered the two cities to provide Title 22 treatment levels of their discharge prior to its entrance into the Santa Ana River. An evaluation indicated that a system for groundwater recharge and immediate extraction would accomplish the required treatment levels and would be more cost effective than a conventional tertiary treatment system at the existing plant sites. The RIX system is located adjacent to the Santa Ana River in the Riverside Basin Area in San Bernardino County. The project was constructed by the two cities with the Santa Ana Watershed Project Authority acting as the construction manager.

In order to ensure that the secondary effluent recharged to the groundwater system would be fully treated and recovered, it was determined that the amount of RIX extractions should exceed the amount of recharged water. The over-extraction, combined with the fact that the RIX discharge point is located several miles downstream from the prior discharge points of the two cities, had an immediate impact upon the flows at both Riverside Narrows and Prado. The effect of the changed points of discharge on the key wells (see Chapter V, Minimum Water Surface Elevations) is being monitored closely with monthly depth to water readings at the wells.

The discharge to the Santa Ana River from the Cities of San Bernardino and Colton has been determined by the Watermaster as shown on the following table:

Calendar Year	Plant No. 1 (Acre-Feet)	Plant No. 2 (Acre-Feet)	Total (Acre-Feet)	RIX (Acre-Feet) San Bernardino and Colton combined flows
1971	5,705	8,925	14,630	
1972	6,784	9,963	16,747	
1973	-	17,640	17,640	
1974	-	17,070	17,070	
1975	-	16,820	16,820	
1976	-	17,530	17,530	
1977	-	17,720	17,720	
1978	-	18,690	18,690	
1979	-	19,350	19,350	
1980	-	20,670	20,670	
1981	-	21,120	21,120	
1982	-	24,493	24,493	
1983	-	23,170	23,170	
1984	-	21,759	21,759	
1985	-	23,814	23,814	
1986	-	25,442	25,442	
1987	-	27,154	27,154	
1988	-	27,290	27,290	
1989	-	28,300	28,300	
1990	-	27,770	27,770	
1991	-	26,980	26,980	
1992	-	25,510	25,510	
1993	-	24,660	24,660	
1994	-	24,790	24,790	
1995	-	26,260	26,260	
1996	-	6,610	6,610	30,880
1997	-	0	0	44,950
1998	-	0	0	48,710
1999	-	0	0	48,040
2000	-	0	0	47,230
2001	-	0	0	47,250
2002	-	0	0	43,828
2003	-	242 ¹	242	45,713
2004	-	286 ¹	286	44,501
2005	-	4,249 ¹	4,249	42,267 ²
2006	-	1,155 ¹	1,155	44,979 ²
2007	-	75 ^{1,3}	75	43,153
2008	-	568 ^{1,3}	568	42,140
2009	-	217 ^{1,3}	217	40,634
2010	-	755 ¹	755	40,157
2011	-	766 ¹	766	39,057
2012	-			
2013	-			
2014	-			
2015	-			

¹ Direct discharge of treated wastewater flows to SAR when the SAR flow rate at "E" Street Gage is adequate to provide 20:1 dilution.

² Amount corrected during 2007 verification.

**2013 Annual Report Modifications
Table Nos. 2 and 3**

In 2012, Western and San Bernardino Valley contracted with GEOSCIENCE Support Services and SAIC (GEOSCIENCE/SAIC) to:

- 1) Calculate the amount of new conservation resulting from the operation of Seven Oaks Reservoir from 1998 through 2012.
- 2) Forecast the long term average annual amounts of Seven Oaks related new conservation likely to occur at the downstream spreading grounds under each of the following assumed conditions:
 - a. Current delivery and recharge capability of 195 cfs
 - b. Expanded delivery and recharge capability of 300 cfs, and
 - c. Expanded delivery and recharge capability of 500 cfs.
- 3) Allocate the new conservation among the Plaintiffs and San Bernardino Valley in proportion to their respective share of the natural safe yield.

The results of the GEOSCIENCE/SAIC work is summarized as follows:

New Conservation Allocation				
Party	Amount for Prior Years 1998-2012 AF	Forecast Amounts for 195 cfs Diversion AF/yr	Forecast Amounts for 300 cfs Diversion AF/yr	Forecast Amounts for 500 cfs Diversion AF/yr
City of Riverside	9,635	1,719	2,235	2,431
Riverside Highland Water Co.	793	141	184	200
Meeks and Daley Water Co.	1,448	258	336	365
University of California	98	18	23	25
San Bernardino Valley	<u>30,866</u>	<u>5,507</u>	<u>7,161</u>	<u>7,787</u>
Total	42,840	7,643	9,939	10,807

Forecasts for diversion of 300 cfs and 500 cfs are based on planned enhancement of the delivery and recharge facilities. None of these facilities

have been constructed. Therefore, the new conservation allocations included in the Adjusted Right commencing in calendar year 2013 are the amounts forecast to result from the current diversion capacity of 195 cfs. At the time enhanced recharge facilities become operational, the Watermaster will consider increasing the new conservation allocation, thereby further increasing the Adjusted Right for users other than Plaintiffs in Table No. 2 and Plaintiffs in Table Nos. 3A-1 through 3D-1.

New conservation related to operation of Seven Oaks Reservoir will be made available for extraction by Plaintiffs and users in San Bernardino Valley through different mechanisms for each of three components of the new conservation. The component resulting from recharge at the Santa Ana River spreading grounds is made available through a further adjustment of the Adjusted Right as provided in Judgment Paragraphs VI(b) and VI(c). The components resulting from determination of prior years (1998-2012) new conservation and future new conservation resulting from direct use or recharge at locations other than the Santa Ana River spreading grounds will likely be made available through a series of future Judgment Paragraph VI(b)6 agreements. The future VI(b)6 agreements will likely be entered in the year following any hydrologic event that results in new conservation at locations other than the Santa Ana River spreading grounds.

The specific mechanisms that will be used to account for all three components of new conservation as well as other types of additional water made available pursuant to existing or future Judgment Paragraph VI(b)6 agreements are as follows:

- 1) A mechanism to increase the Adjusted Right of Plaintiffs and San Bernardino Valley to reflect the amounts of new conservation forecast to result from operation of Seven Oaks

Reservoir and diversion of increased amounts, relative to amounts diverted using safe yield practices, for recharge at the downstream spreading grounds. (See the second, third, and fourth data columns in the table above) This increase in Adjusted Right is pursuant to Judgment Paragraphs VI(b) and VI(c).

- 2) A mechanism to make available to Plaintiffs and San Bernardino Valley, when needed to offset excess extractions, the amount of allocated new conservation determined by Watermaster to have resulted from operation of Seven Oaks Reservoir from 1998 through 2012. (See the first data column in the table above) Such amounts are made available through Court approval of the 2013 additional extractions agreement entered pursuant to Judgment Paragraph VI(b)6.
- 3) A mechanism to make available to Plaintiffs and San Bernardino Valley, when needed to offset excess extractions, the amount of allocated new conservation determined by Watermaster to have resulted from a future hydrologic event that resulted in direct use of Seven Oaks new conservation water or recharge of the San Bernardino Basin Area with Seven Oaks new conservation water in areas other than the Santa Ana River spreading grounds. Such wet year hydrologic events are forecast to occur in the future on average in one out of five years. The long term average annual amount of new conservation that could result from such events is forecast to be about 10,000 AF/year. The specific amounts of new

conservation will be set forth in Judgment Paragraph VI(b)6 agreements that will allow additional extractions.

- 4) A mechanism to account for the additional extractions that occurred between 1981 and 2004 for the purpose of mitigating the high groundwater condition. Such additional extractions were made pursuant to numerous Judgment Paragraph VI(b)6 agreements and were previously accounted for in footnotes on Table Nos. 2, 10 through 13 and 17.
- 5) A mechanism to account for extractions of water pursuant to the 2004 replenishment and extraction agreement that allows Western or Plaintiffs to extract recharged imported water.

In addition to changes needed to address new conservation, Table Nos. 2 and 3 were also modified to improve the readability of the report and improve the accuracy of the extraction data.

Annual reports prior to calendar year 2012 accounted for additional extractions (mainly high groundwater) through numerous footnotes with data in Table Nos. 2, 10 through 13 and 17. By adding a column titled Additional Extractions in Table Nos. 2 and 3, the data in these footnotes were eliminated and the report is more easily read and understood.

The data in Table No. 2 is more accurate as a result of a correction in Report of Watermaster, Volume 1, which is the source of verified extractions by users other than Plaintiffs. Report of Watermaster, Volume 1 was modified to include the Big Bear Lake in-lieu exchange water as an extraction from the San Bernardino Basin Area and thereby more accurately reflect the effects of the exchange program on storage in the Basin.

ADJUSTED RIGHT TO EXTRACT AND VERIFIED EXTRACTIONS OF
OTHER THAN PLAINTIFFS
FROM THE SAN BERNARDINO BASIN AREA
ANNUAL TOTALS
(All Values in Acre-Feet)

Calendar Year	Adjusted Right			Extractions		
	Safe Yield Adjusted Right 1	New Conservation Allocation 2	Adjusted Right 3	Total Extractions	Additional Extractions	Extractions
1971	171,342		171,342	163,186		163,186
1972	167,238		167,238	167,227		167,227
1973	167,238		167,238	159,781		159,781
1974	167,238		167,238	158,685		158,685
1975	167,238		167,238	151,681		151,681
1976	167,238		167,238	144,317		144,317
1977	167,238		167,238	144,811		144,811
1978	167,238		167,238	137,040		137,040
1979	167,238		167,238	154,807		154,807
1980	167,238		167,238	159,422		159,422
1981	167,238		167,238	173,311		173,311
1982	167,238		167,238	153,096		153,096
1983	167,238		167,238	146,434		146,434
1984	167,238		167,238	181,801		181,801
1985	167,238		167,238	180,913	13,675 4	167,238
1986	167,238		167,238	184,924		184,924
1987	167,238		167,238	177,263	10,025 5	167,238
1988	167,238		167,238	186,857	19,619 6	167,238
1989	167,238		167,238	182,085		182,085
1990	167,238		167,238	174,994		174,994
1991	167,238		167,238	166,498		166,498
1992	167,238		167,238	172,913	5,675 7	167,238
1993	167,238		167,238	178,372	11,134 8	167,238
1994	167,238		167,238	187,507	18,013 9	169,494
1995	167,238		167,238	182,171	14,933 10	167,238
1996	167,238		167,238	193,446	18,013 11	175,433
1997	167,238		167,238	195,284	18,013 12	177,271
1998	167,238		167,238	198,857	18,013 13	180,844
1999	167,238		167,238	207,709	40,471 14	167,238
2000	167,238		167,238	201,111	25,778 15	175,333

ADJUSTED RIGHT TO EXTRACT AND VERIFIED EXTRACTIONS OF
OTHER THAN PLAINTIFFS
FROM THE SAN BERNARDINO BASIN AREA
ANNUAL TOTALS
(All Values in Acre-Feet)

Calendar Year	Adjusted Right			Extractions			
	Safe Yield Adjusted Right 1	New Conservation Allocation 2	Adjusted Right 3	Total Extractions	Additional Extractions	Extractions	
2001	167,238		167,238	191,573	24,335	16	167,238
2002	167,238		167,238	186,543	19,305	17	167,238
2003	167,238		167,238	171,017			171,017
2004	167,238		167,238	180,960	13,722	18	167,238
2005	167,238		167,238	191,425			191,425
2006	167,238		167,238	209,393			209,393
2007	167,238		167,238	199,366			199,366
2008	167,238		167,238	196,170			196,170
2009	167,238		167,238	179,077			179,077
2010	167,238		167,238	166,131			166,131
2011	167,238		167,238	173,544			173,544
2012	167,238		167,238				
2013	167,238	5,507	172,745				
2014	167,238	5,507	172,745				
2015	167,238	5,507	172,745				
2016	167,238	5,507	172,745				
2017	167,238	5,507	172,745				
2018	167,238	5,507	172,745				
2019	167,238	5,507	172,745				
2020	167,238	5,507	172,745				

Note: Total Extractions - See Report of Watermaster, Volume 1, Table 8, Total Non-Plaintiff Extractions from San Bernardino Basin Area Excluding Minor Production

- 1 Adjusted Right not effective until January 1, 1972; therefore, 1971 Base Right is as verified for five-year Base Period 1959-63.**
- 2 New Conservation Allocation takes effect in the first year shown and continues until further adjusted by Watermaster. Pursuant to Paragraph VI(c) of the Judgment, Watermaster has determined the other than Plaintiffs New Conservation Allocation to be 5,507 acre-feet per year starting in 2013. The 2013 Paragraph VI(b)6 Agreement provides that Watermaster will periodically consider changing this number based on provisions of the Agreement.**
- 3 Adjusted Right equals Safe Yield Adjusted Right plus New Conservation Allocation.**
- 4 Amount deducted under February 25, 1985 and August 21, 1985 Judgment Paragraph VI(b)6 Agreement. (High Groundwater Mitigation)**

ADJUSTED RIGHT TO EXTRACT AND VERIFIED EXTRACTIONS OF
OTHER THAN PLAINTIFFS
FROM THE SAN BERNARDINO BASIN AREA

- 5 Amount deducted under May 20, 1987 2nd Amendment to December 22, 1981 Judgment VI(b)6 Agreement (hereinafter "December 22, 1981 Agreement"). (High Groundwater Mitigation)
- 6 Amount deducted under January 20, 1988 3rd Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 7 Amount deducted under May 4, 1992 5th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 8 Amount deducted under June 16, 1993 6th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 9 Amount deducted under March 3, 1994 7th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 10 Amount deducted under March 15, 1995 8th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 11 Amount deducted under March 6, 1996 9th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 12 Amount deducted under February 19, 1997 10th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 13 Amount deducted under February 18, 1998 11th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 14 Amount deducted under January 19, 1999 13th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 15 Amount deducted under August 16, 2000 15th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 16 Amount deducted under February 7, 2001 17th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 17 Amount deducted under February 6, 2002 19th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 18 Amount deducted under August 18, 2004 21st Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)

ADJUSTED RIGHT TO EXTRACT AND VERIFIED EXTRACTATIONS OF
OTHER THAN PLAINTIFFS
FROM THE SAN BERNARDINO BASIN AREA
FIVE-YEAR TOTALS
(All Values in Acre-Feet)

Five-Year Period	Five-Year Adjusted Right	Five-Year Extractions
1971-75	840,294	800,560
1972-76	836,190	781,691
1973-77	836,190	759,275
1974-78	836,190	736,534
1975-79	836,190	732,656
1976-80	836,190	740,397
1977-81	836,190	769,391
1978-82	836,190	777,676
1979-83	836,190	787,070
1980-84	836,190	814,064
1981-85	836,190	821,880
1982-86	836,190	833,493
1983-87	836,190	847,635
1984-88	836,190	868,439
1985-89	836,190	868,723
1986-90	836,190	876,479
1987-91	836,190	858,053
1988-92	836,190	858,053
1989-93	836,190	858,053
1990-94	836,190	845,462
1991-95	836,190	837,706
1992-96	836,190	846,641
1993-97	836,190	856,674
1994-98	836,190	870,280
1995-99	836,190	868,024
1996-00	836,190	876,119
1997-01	836,190	867,924
1998-02	836,190	857,891
1999-03	836,190	848,064
2000-04	836,190	848,064

ADJUSTED RIGHT TO EXTRACT AND VERIFIED EXTRACTIONS OF
OTHER THAN PLAINTIFFS
FROM THE SAN BERNARDINO BASIN AREA
FIVE-YEAR TOTALS
(All Values in Acre-Feet)

Five-Year Period	Five-Year Adjusted Right	Five-Year Extractions
2001-05	836,190	864,156
2002-06	836,190	906,311
2003-07	836,190	938,439
2004-08	836,190	963,592
2005-09	836,190	975,431
2006-10	836,190	950,137
2007-11	836,190	914,288
2008-12	836,190	
2009-13	841,697	
2010-14	847,204	
2011-15	852,711	
2012-16	858,218	
2013-17	863,725	
2014-18	863,725	
2015-19	863,725	
2016-20	863,725	

Note: 5-year totals corrected to reflect any corrections on Table 2, Page 1a of 2 and Page 1b of 2

ADJUSTED RIGHT OF
CITY OF RIVERSIDE
TO EXTRACT FROM THE SAN BERNARDINO BASIN AREA
FOR USE IN EACH SERVICE AREA
(Including those rights acquired as successor to the
Riverside Water Company and Gage Canal Company)
(All Values in Acre-Feet)

Calendar Year	San Bernardino Basin Area Adjusted Right			For Use In San Bernardino Basin Area	For Use In Colton Basin Area and Riverside Basin Area in San Bernardino County	San Bernardino Basin Area Adjusted Right		
	Safe Yield	New				Safe Yield	New	
	Adjusted Right 1	Conservation Allocation 2	Adjusted Right 3	Adjusted Right 4	Adjusted Right 4	Adjusted Right 1	Conservation Allocation 2	Adjusted Right 3
1971	53,448		53,448	1,462	1,260	50,726		50,726
1972	52,199		52,199	1,427	1,230	49,542		49,542
1973	52,199		52,199	1,427	1,230	49,542		49,542
1974	52,199		52,199	1,427	1,230	49,542		49,542
1975	52,199		52,199	1,427	1,230	49,542		49,542
1976	52,199		52,199	1,427	1,230	49,542		49,542
1977	52,199		52,199	1,427	1,230	49,542		49,542
1978	52,199		52,199	1,427	1,230	49,542		49,542
1979	52,199		52,199	1,427	1,230	49,542		49,542
1980	52,199		52,199	1,427	1,230	49,542		49,542
1981	52,199		52,199	1,427	1,230	49,542		49,542
1982	52,199		52,199	1,427	1,230	49,542		49,542
1983	52,199		52,199	1,427	1,230	49,542		49,542
1984	52,199		52,199	1,427	1,230	49,542		49,542
1985	52,199		52,199	1,427	1,230	49,542		49,542
1986	52,199		52,199	1,427	1,230	49,542		49,542
1987	52,199		52,199	1,427	1,230	49,542		49,542
1988	52,199		52,199	1,427	1,230	49,542		49,542
1989	52,199		52,199	1,427	1,230	49,542		49,542
1990	52,199		52,199	1,427	1,230	49,542		49,542
1991	52,199		52,199	1,427	1,230	49,542		49,542
1992	52,199		52,199	1,427	1,230	49,542		49,542
1993	52,199		52,199	1,427	1,230	49,542		49,542
1994	52,199		52,199	1,427	1,230	49,542		49,542
1995	52,199		52,199	1,427	1,2			

ADJUSTED RIGHT OF
CITY OF RIVERSIDE
TO EXTRACT FROM THE SAN BERNARDINO BASIN AREA
FOR USE IN EACH SERVICE AREA
(Including those rights acquired as successor to the
Riverside Water Company and Gage Canal Company)
(All Values in Acre-Feet)

Calendar Year	San Bernardino Basin Area Adjusted Right			For Use In San Bernardino Basin Area	For Use In Colton Basin Area and Riverside Basin Area in San Bernardino County	For Use In Areas Outside San Bernardino Valley		
	Safe Yield	New		Adjusted Right 4	Adjusted Right 4	Safe Yield	New	
	Adjusted Right 1	Conservation Allocation 2	Adjusted Right 3			Adjusted Right 1	Conservation Allocation 2	Adjusted Right 3
1996	52,199		52,199	1,427	1,230	49,542		49,542
1997	52,199		52,199	1,427	1,230	49,542		49,542
1998	52,199		52,199	1,427	1,230	49,542		49,542
1999	52,199		52,199	1,427	1,230	49,542		49,542
2000	52,199		52,199	1,427	1,230	49,542		49,542
2001	52,199		52,199	1,427	1,230	49,542		49,542
2002	52,199		52,199	1,427	1,230	49,542		49,542
2003	52,199		52,199	1,427	1,230	49,542		49,542
2004	52,199		52,199	1,427	1,230	49,542		49,542
2005	52,199		52,199	1,427	1,230	49,542		49,542
2006	52,199		52,199	1,427	1,230	49,542		49,542
2007	52,199		52,199	1,427	1,230	49,542		49,542
2008	52,199		52,199	1,427	1,230	49,542		49,542
2009	52,199		52,199	1,427	1,230	49,542		49,542
2010	52,199		52,199	1,427	1,230	49,542		49,542
2011	52,199		52,199	1,427	1,230	49,542		49,542
2012	52,199		52,199	1,427	1,230	49,542		49,542
2013	52,199	1,719	53,918	1,427	1,230	49,542	1,719	51,261
2014	52,199	1,719	53,918	1,427	1,230	49,542	1,719	51,261
2015	52,199	1,719	53,918	1,427	1,230	49,542	1,719	51,261
2016	52,199	1,719	53,918	1,427	1,230	49,542	1,719	51,261
2017	52,199	1,719	53,918	1,427	1,230	49,542	1,719	51,261
2018	52,199	1,719	53,918	1,427	1,230	49,542	1,719	51,261
2019	52,199	1,719	53,918	1,427	1,230	49,542	1,719	51,261
2020	52,199	1,719	53,918	1,427	1,230	49,542	1,719	51,261

ADJUSTED RIGHT OF
CITY OF RIVERSIDE
TO EXTRACT FROM THE SAN BERNARDINO BASIN AREA
FOR USE IN EACH SERVICE AREA
(Including those rights acquired as successor to the
Riverside Water Company and Gage Canal Company)

- 1 Safe Yield Adjusted Right became effective on January 1, 1972; Base Right for Calendar Year 1971 is as shown in Table B-1 of the Judgment.*
- 2 New Conservation Allocation takes effect in the first year shown and continues until further adjusted by Watermaster.
Pursuant to Paragraph VI(b) of the Judgment, Watermaster has determined the City of Riverside New Conservation Allocation to be 1,719 acre-feet per year starting in 2013.
The 2013 Paragraph VI(b)6 Agreement provides that Watermaster will periodically consider changing this number based on provisions of the Agreement.*
- 3 Adjusted Right equals Safe Yield Adjusted Right plus New Conservation Allocation.*
- 4 New Conservation Allocation may also be used in the San Bernardino Basin Area, or the Colton Basin Area and Riverside Basin Area in San Bernardino County.*

VERIFIED EXTRACTIONS BY
CITY OF RIVERSIDE
FROM THE SAN BERNARDINO BASIN AREA
FOR DELIVERY TO EACH SERVICE AREA
(Including those rights acquired as successor to the
Riverside Water Company and Gage Canal Company)
(All Values in Acre-Feet)

Calendar Year	San Bernardino Basin Area Extractions			San Bernardino Basin Area	Delivery for Use in San Bernardino Basin Area in San Bernardino County	Delivery for Use in Areas Outside San Bernardino Valley		
	Total Extractions	Additional Extractions	Extractions	Deliveries	Deliveries	Actual Deliveries	Additional Deliveries	Deliveries
1971	53,882		53,882	98	669	53,115		53,115
1972	45,694		45,694	85	547	45,062		45,062
1973	43,022		43,022	156	512	42,354		42,354
1974	43,367		43,367	0	550	42,817		42,817
1975	47,962		47,962	0	498	47,464		47,464
1976	51,374		51,374	0	523	50,851		50,851
1977	50,999		50,999	0	346	50,653		50,653
1978	45,384		45,384	646	301	44,437		44,437
1979	52,377		52,377	0	415	51,962		51,962
1980	50,756		50,756	383	0	50,373		50,373
1981	52,157	1,148	1 51,009	724	0	51,433	1,148	1 50,285
1982	49,599		49,599	162	0	49,437		49,437
1983	46,064	76	2 45,988	335	0	45,729	76	2 45,653
1984	58,906	9,332	3 49,574	32	0	58,874	9,332	3 49,542
1985	63,073	13,472	4 49,601	59	0	63,014	13,472	4 49,542
1986	59,979	10,000	5 49,979	437	0	59,542	10,000	5 49,542
1987	57,841	7,965	6 49,876	334	0	57,507	7,965	6 49,542
1988	64,512	14,201	7 50,311	815	0	63,697	14,201	7 49,496
1989	50,784		50,784	28	0	50,756		50,756
1990	47,637		47,637	19	0	47,618		47,618
1991	52,909	3,212	8 49,697	155	0	52,754	3,212	8 49,542
1992	50,239	7,177	9 43,062	203	0	50,036	7,177	9 42,859
1993	52,114	7,152	10 44,962	-108	0	52,222	9,917	10 42,305
1994	60,447	9,107	11 51,340	46	0	60,401	10,859	11 49,542
1995	55,392	5,799	12 49,593	99	0	55,293	8,357	12 46,936

VERIFIED EXTRACTIONS BY
CITY OF RIVERSIDE
FROM THE SAN BERNARDINO BASIN AREA
FOR DELIVERY TO EACH SERVICE AREA
(Including those rights acquired as successor to the
Riverside Water Company and Gage Canal Company)
(All Values in Acre-Feet)

Calendar Year	San Bernardino Basin Area Extractions			Delivery for Use in Colton Basin Area	Delivery for Use in San Bernardino Basin Area	Delivery for Use in Areas Outside San Bernardino Valley				
	Total Extractions	Additional Extractions	Extractions	Deliveries	Deliveries	Actual Deliveries	Additional Deliveries	Deliveries		
1996	63,382	8,390	13	54,992	278	0	63,104	10,769	13	52,335
1997	59,938	7,495	14	52,443	494	0	59,444	9,658	14	49,786
1998	54,417	6,671	15	47,746	0	0	54,417	6,671	15	47,746
1999	61,142	8,943	16	52,199	181	0	60,961	11,419	16	49,542
2000	63,472	11,273	17	52,199	117	0	63,355	13,813	17	49,542
2001	59,312	7,113	18	52,199	229	0	59,083	9,541	18	49,542
2002	65,462	13,263	19	52,199	172	0	65,290	15,748	19	49,542
2003	54,514			54,514	10	0	54,504			54,504
2004	53,414	1,215	20	52,199	0	0	53,414	3,872	20	49,542
2005	44,696			44,696	13	0	44,683			44,683
2006	49,444			49,444	30	0	49,414			49,414
2007	52,018	2,459	21	49,559	39	0	51,979	2,459	21	49,520
2008	53,581			53,581	70	0	53,511			53,511
2009	43,061			43,061	121	0	42,940			42,940
2010	45,713			45,713	80	0	45,633			45,633
2011	46,488			46,488	72	0	46,416			46,416
2012										
2013										
2014										
2015										
2016										
2017										
2018										
2019										
2020										

VERIFIED EXTRACTIONS BY
CITY OF RIVERSIDE
FROM THE SAN BERNARDINO BASIN AREA
FOR DELIVERY TO EACH SERVICE AREA
(Including those rights acquired as successor to the
Riverside Water Company and Gage Canal Company)

Note: See Report of Watermaster, Volume 1A, Table No. 3.

- 1 Amount deducted under December 22, 1981 Judgment Paragraph VI(b)6 Agreement (hereinafter "December 22, 1981 Agreement").
(High Groundwater Mitigation)
- 2 Amount deducted under March 3, 1983 and April 18, 1983 Letter Agreements under December 22, 1981 Agreement. (High Groundwater Mitigation)
- 3 Amount deducted under December 5, 1984 1st Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 4 Amount deducted under February 25, 1985 and August 21, 1985 Agreements. (High Groundwater Mitigation)
- 5 Amount deducted under January 21, 1986 letter to City of Riverside under December 22, 1981 Agreement. (High Groundwater Mitigation)
- 6 Amount deducted under May 20, 1987 2nd Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 7 Amount deducted under January 20, 1988 3rd Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 8 Amount deducted under April 3, 1991 4th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 9 Amount deducted under May 4, 1992 5th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 10 Amount deducted under June 16, 1993 6th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 11 Amount deducted under March 3, 1994 7th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 12 Amount deducted under March 15, 1995 8th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 13 Amount deducted under March 6, 1996 9th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 14 Amount deducted under February 19, 1997 10th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 15 Amount deducted under February 18, 1998 11th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 16 Amount deducted under January 19, 1999 13th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 17 Amount deducted under August 16, 2000 15th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 18 Amount deducted under February 7, 2001 17th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 19 Amount deducted under February 6, 2002 19th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 20 Amount deducted under August 18, 2004 21st Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)
- 21 Amount deducted under August 18, 2004 paragraph VI(b)6 Agreement replenishment and extraction of
State Water Project water, see Table No. 17A of Watermaster Report.

ADJUSTED RIGHT OF
RIVERSIDE HIGHLAND WATER COMPANY
TO EXTRACT FROM THE SAN BERNARDINO BASIN AREA
FOR USE IN EACH SERVICE AREA
(All Values in Acre-Feet)

Calendar Year	San Bernardino Basin Area Adjusted Right			For Use In San Bernardino Basin Area	For Use In Colton Basin Area and Riverside Basin Area in San Bernardino County	San Bernardino Basin Area Adjusted Right		
	Safe Yield	New	Adjusted Right 3	Adjusted Right 4	Adjusted Right 4	Safe Yield	New	Adjusted Right 3
	Adjusted Right 1	Conservation Allocation 2				Adjusted Right 1	Conservation Allocation 2	
1971	4,399		4,399	0	2,509	1,890		1,890
1972	4,294		4,294	0	2,449	1,845		1,845
1973	4,294		4,294	0	2,449	1,845		1,845
1974	4,294		4,294	0	2,449	1,845		1,845
1975	4,294		4,294	0	2,449	1,845		1,845
1976	4,294		4,294	0	2,449	1,845		1,845
1977	4,294		4,294	0	2,449	1,845		1,845
1978	4,294		4,294	0	2,449	1,845		1,845
1979	4,294		4,294	0	2,449	1,845		1,845
1980	4,294		4,294	0	2,449	1,845		1,845
1981	4,294		4,294	0	2,449	1,845		1,845
1982	4,294		4,294	0	2,449	1,845		1,845
1983	4,294		4,294	0	2,449	1,845		1,845
1984	4,294		4,294	0	2,449	1,845		1,845
1985	4,294		4,294	0	2,449	1,845		1,845
1986	4,294		4,294	0	2,449	1,845		1,845
1987	4,294		4,294	0	2,449	1,845		1,845
1988	4,294		4,294	0	2,449	1,845		1,845
1989	4,294		4,294	0	2,449	1,845		1,845
1990	4,294		4,294	0	2,449	1,845		1,845
1991	4,294		4,294	0	2,449	1,845		1,845
1992	4,294		4,294	0	2,449	1,845		1,845
1993	4,294		4,294	0	2,449	1,845		1,845
1994	4,294		4,294	0	2,449	1,845		1,845
1995	4,294		4,294	0				

ADJUSTED RIGHT OF
RIVERSIDE HIGHLAND WATER COMPANY
TO EXTRACT FROM THE SAN BERNARDINO BASIN AREA
FOR USE IN EACH SERVICE AREA
(All Values in Acre-Feet)

Calendar Year	San Bernardino Basin Area Adjusted Right			For Use In San Bernardino Basin Area	For Use In Colton Basin Area and Riverside Basin Area in San Bernardino County	For Use In Areas Outside San Bernardino Valley		
	Safe Yield	New	Adjusted Right 3	Adjusted Right 4	Adjusted Right 4	Safe Yield	New	Adjusted Right 3
	Adjusted Right 1	Conservation Allocation 2				Adjusted Right 1	Conservation Allocation 2	
1996	4,294		4,294	0	2,449	1,845		1,845
1997	4,294		4,294	0	2,449	1,845		1,845
1998	4,294		4,294	0	2,449	1,845		1,845
1999	4,294		4,294	0	2,449	1,845		1,845
2000	4,294		4,294	0	2,449	1,845		1,845
2001	4,294		4,294	0	2,449	1,845		1,845
2002	4,294		4,294	0	2,449	1,845		1,845
2003	4,294		4,294	0	2,449	1,845		1,845
2004	4,294		4,294	0	2,449	1,845		1,845
2005	4,294		4,294	0	2,449	1,845		1,845
2006	4,294		4,294	0	2,449	1,845		1,845
2007	4,294		4,294	0	2,449	1,845		1,845
2008	4,294		4,294	0	2,449	1,845		1,845
2009	4,294		4,294	0	2,449	1,845		1,845
2010	4,294		4,294	0	2,449	1,845		1,845
2011	4,294		4,294	0	2,449	1,845		1,845
2012	4,294		4,294	0	2,449	1,845		1,845
2013	4,294	141	4,435	0	2,449	1,845	141	1,986
2014	4,294	141	4,435	0	2,449	1,845	141	1,986
2015	4,294	141	4,435	0	2,449	1,845	141	1,986
2016	4,294	141	4,435	0	2,449	1,845	141	1,986
2017	4,294	141	4,435	0	2,449	1,845	141	1,986
2018	4,294	141	4,435	0	2,449	1,845	141	1,986
2019	4,294	141	4,435	0	2,449	1,845	141	1,986
2020	4,294	141	4,435	0	2,449	1,845	141	1,986

ADJUSTED RIGHT OF
RIVERSIDE HIGHLAND WATER COMPANY
TO EXTRACT FROM THE SAN BERNARDINO BASIN AREA
FOR USE IN EACH SERVICE AREA

1 *Safe Yield Adjusted Right became effective on January 1, 1972; Base Right for Calendar Year 1971 is as shown in Table B-1 of the Judgment.*

2 *New Conservation Allocation takes effect in the first year shown and continues until further adjusted by Watermaster.*

Pursuant to Paragraph VI(b) of the Judgment, Watermaster has determined the Riverside Highland Water Company New Conservation Allocation to be 141 acre-feet per year starting in 2013.

The 2013 Paragraph VI(b)6 Agreement provides that Watermaster will periodically consider changing this number based on provisions of the Agreement.

3 *Adjusted Right equals Safe Yield Adjusted Right plus New Conservation Allocation*

4 *New Conservation Allocation may also be used in the San Bernardino Basin Area, or the Colton Basin Area and Riverside Basin Area in San Bernardino County.*

VERIFIED EXTRACTIONS BY
RIVERSIDE HIGHLAND WATER COMPANY
FROM THE SAN BERNARDINO BASIN AREA
FOR DELIVERY TO EACH SERVICE AREA

(All Values in Acre-Feet)

Calendar Year	Total Extractions	Additional Extractions	Extractions	Delivery for Use in Colton Basin Area		Delivery for Use in San Bernardino Basin Area		Deliveries
				Deliveries	Deliveries	Deliveries	Deliveries	
1971	4,012		4,012	0	2,388	1,624		1,624
1972	4,532		4,532	0	2,239	2,293		2,293
1973	3,512		3,512	0	1,751	1,761		1,761
1974	4,088		4,088	0	1,985	2,103		2,103
1975	4,709		4,709	0	2,002	2,707		2,707
1976	4,519		4,519	0	2,050	2,469		2,469
1977	3,583		3,583	0	1,820	1,763		1,763
1978	1,350		1,350	0	1,051	299		299
1979	3,369		3,369	0	1,781	1,588		1,588
1980	3,677		3,677	0	2,060	1,617		1,617
1981	3,604		3,604	0	2,151	1,453		1,453
1982	2,795		2,795	0	1,775	1,020		1,020
1983	3,161		3,161	0	2,318	843		843
1984	4,759		4,759	0	2,671	2,088		2,088
1985	3,312		3,312	0	1,978	1,334		1,334
1986	4,744		4,744	0	2,130	2,614		2,614
1987	3,919		3,919	0	2,229	1,690		1,690
1988	4,775		4,775	0	2,229	2,546		2,546
1989	4,681		4,681	0	1,968	2,713		2,713
1990	4,092		4,092	0	2,313	1,779		1,779
1991	3,021		3,021	0	1,669	1,352		1,352
1992	4,052		4,052	0	2,275	1,777		1,777
1993	3,241		3,241	0	1,777	1,464		1,464
1994	4,324		4,324	0	2,201	2,123		2,123
1995	3,955		3,955	0				

VERIFIED EXTRACTIONS BY
RIVERSIDE HIGHLAND WATER COMPANY
FROM THE SAN BERNARDINO BASIN AREA
FOR DELIVERY TO EACH SERVICE AREA

(All Values in Acre-Feet)

Calendar Year	San Bernardino Basin Area Extractions			Delivery for Use in San Bernardino Basin Area	Delivery for Use in San Bernardino Basin Area in San Bernardino County	Delivery for Use in Areas Outside San Bernardino Valley				
	Total Extractions	Additional Extractions	Extractions	Deliveries	Deliveries	Actual Deliveries	Additional Deliveries	Deliveries	Deliveries	
1996	5,051	463	1	4,588	0	2,756	2,295	463	1	1,832
1997	4,939	463	2	4,476	0	2,656	2,283	463	2	1,820
1998	3,250	463	3	2,787	0	1,961	1,289	463	3	826
1999	4,972	2,041	4	2,931	0	2,082	2,890	2,041	4	849
2000	3,423	567	5	2,856	0	2,811	612	567	5	45
2001	2,925	260	6	2,665	0	2,543	382	260	6	122
2002	4,310	1,910	7	2,400	0	2,272	2,038	1,910	7	128
2003	3,881	3	7	3,878	0	2,036	1,845	3	7	1,842
2004	1,754	0		1,754	0	1,301	453	0		453
2005	3,377			3,377	0	1,532	1,845			1,845
2006	4,149			4,149	0	2,304	1,845			1,845
2007	3,633			3,633	0	1,772	1,861			1,861
2008	2,730			2,730	0	2,054	676			676
2009	1,648			1,648	0	1,073	575			575
2010	1,136			1,136	0	629	507			507
2011	1,655			1,655	0	1,087	568			568
2012										
2013										
2014										
2015										
2016										
2017										
2018										
2019										
2020										

VERIFIED EXTRACTIONS BY
RIVERSIDE HIGHLAND WATER COMPANY
FROM THE SAN BERNARDINO BASIN AREA
FOR DELIVERY TO EACH SERVICE AREA

Note: See Report of Watermaster, Volume 1A, Table No. 3.

1 Amount deducted under March 6, 1996 9th Amendment to December 22, 1981 Judgment Paragraph VI(b)6 Agreement (hereinafter "December 22, 1981 Agreement"). (High Groundwater Mitigation)

2 Amount deducted under February 19, 1997 10th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)

3 Amount deducted under February 18, 1998 11th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)

4 Amount deducted under January 19, 1999 13th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)

5 Amount deducted under August 16, 2000 15th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)

6 Amount deducted under February 7, 2001 17th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)

7 Amount deducted under February 6, 2002 19th Amendment to December 22, 1981 Agreement. (High Groundwater Mitigation)

ADJUSTED RIGHT OF
 AGUA MANSA WATER COMPANY AND MEEKS & DALEY WATER COMPANY
 TO EXTRACT FROM THE SAN BERNARDINO BASIN AREA
 FOR USE IN EACH SERVICE AREA
 (All Values in Acre-Feet)

Calendar Year	San Bernardino Basin Area Adjusted Right			For Use In San Bernardino Basin Area	For Use In Colton Basin Area and Riverside Basin Area in San Bernardino County	Safe Yield Adjusted Right 1	New Conservation Allocation 2	Adjusted Right 3
	Safe Yield Adjusted Right 1	New Conservation Allocation 2	Adjusted Right 3	Adjusted Right 4	Adjusted Right 4			
1971	8,026		8,026	0	325	7,700		7,700
1972	7,833		7,833	0	318	7,515		7,515
1973	7,833		7,833	0	318	7,515		7,515
1974	7,833		7,833	0	318	7,515		7,515
1975	7,833		7,833	0	318	7,515		7,515
1976	7,833		7,833	0	318	7,515		7,515
1977	7,833		7,833	0	318	7,515		7,515
1978	7,833		7,833	0	318	7,515		7,515
1979	7,833		7,833	0	318	7,515		7,515
1980	7,833		7,833	0	318	7,515		7,515
1981	7,833		7,833	0	318	7,515		7,515
1982	7,833		7,833	0	318	7,515		7,515
1983	7,833		7,833	0	318	7,515		7,515
1984	7,833		7,833	0	318	7,515		7,515
1985	7,833		7,833	0	318	7,515		7,515
1986	7,833		7,833	0	318	7,515		7,515
1987	7,833		7,833	0	318	7,515		7,515
1988	7,833		7,833	0	318	7,515		7,515
1989	7,833		7,833	0	318	7,515		7,515
1990	7,833		7,833	0	318	7,515		7,515
1991	7,833		7,833	0	318	7,515		7,515
1992	7,833		7,833	0	318	7,515		7,515
1993	7,833		7,833	0	318	7,515		7,515
1994	7,833		7,833	0	318	7,515		7,515
1995	7,833		7,833	0				

ADJUSTED RIGHT OF
 AGUA MANSA WATER COMPANY AND MEEKS & DALEY WATER COMPANY
 TO EXTRACT FROM THE SAN BERNARDINO BASIN AREA
 FOR USE IN EACH SERVICE AREA
 (All Values in Acre-Feet)

Calendar Year	San Bernardino Basin Area Adjusted Right			For Use In San Bernardino Basin Area	For Use In Colton Basin Area and Riverside Basin Area in San Bernardino County	For Use In Areas Outside San Bernardino Valley		
	Safe Yield	New	Adjusted Right 3	Adjusted Right 4	Adjusted Right 4	Safe Yield	New	Adjusted Right 3
	Adjusted Right 1	Conservation Allocation 2				Adjusted Right 1	Conservation Allocation 2	
1996	7,833		7,833	0	318	7,515		7,515
1997	7,833		7,833	0	318	7,515		7,515
1998	7,833		7,833	0	318	7,515		7,515
1999	7,833		7,833	0	318	7,515		7,515
2000	7,833		7,833	0	318	7,515		7,515
2001	7,833		7,833	0	318	7,515		7,515
2002	7,833		7,833	0	318	7,515		7,515
2003	7,833		7,833	0	318	7,515		7,515
2004	7,833		7,833	0	318	7,515		7,515
2005	7,833		7,833	0	318	7,515		7,515
2006	7,833		7,833	0	318	7,515		7,515
2007	7,833		7,833	0	318	7,515		7,515
2008	7,833		7,833	0	318	7,515		7,515
2009	7,833		7,833	0	318	7,515		7,515
2010	7,833		7,833	0	318	7,515		7,515
2011	7,833		7,833	0	318	7,515		7,515
2012	7,833		7,833	0	318	7,515		7,515
2013	7,833	258	8,091	0	318	7,515	258	7,773
2014	7,833	258	8,091	0	318	7,515	258	7,773
2015	7,833	258	8,091	0	318	7,515	258	7,773
2016	7,833	258	8,091	0	318	7,515	258	7,773
2017	7,833	258	8,091	0	318	7,515	258	7,773
2018	7,833	258	8,091	0	318	7,515	258	7,773
2019	7,833	258	8,091	0	318	7,515	258	7,773
2020	7,833	258	8,091	0	318	7,515	258	7,773

ADJUSTED RIGHT OF
AGUA MANSA WATER COMPANY AND MEEKS & DALEY WATER COMPANY
TO EXTRACT FROM THE SAN BERNARDINO BASIN AREA
FOR USE IN EACH SERVICE AREA

1 Safe Yield Adjusted Right became effective on January 1, 1972; Base Right for Calendar Year 1971 is as shown in Table B-1 of the Judgment.

2 New Conservation Allocation takes effect in the first year shown and continues until further adjusted by Watermaster.

Pursuant to Paragraph VI(b) of the Judgment, Watermaster has determined the Agua Mansa Water Company and Meeks & Daley Water Company New Conservation Allocation to be 358 acre-feet per year starting in 2013.

The 2013 Paragraph VI(b)6 Agreement provides that Watermaster will periodically consider changing this number based on provisions of the Agreement.

3 Adjusted Right equals Safe Yield Adjusted Right plus New Conservation Allocation

4 New Conservation Allocation may also be used in the San Bernardino Basin Area, or the Colton Basin Area and Riverside Basin Area in San Bernardino County.

VERIFIED EXTRACTIONS BY
 AGUA MANSA WATER COMPANY AND MEEKS & DALEY WATER COMPANY
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 (All Values in Acre-Feet)

Calendar Year	San Bernardino Basin Area Extractions			Delivery for Use in San Bernardino Basin Area	Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County	Delivery for Use in Areas Outside San Bernardino Valley		
	Total Extractions	Additional Extractions	Extractions	Deliveries	Deliveries	Actual Deliveries	Additional Deliveries	Deliveries
1971	2,902		2,902	0	383	2,519		2,519
1972	3,527		3,527	0	377	3,150		3,150
1973	2,979		2,979	0	250	2,729		2,729
1974	4,504		4,504	0	246	4,258		4,258
1975	3,950		3,950	0	168	3,782		3,782
1976	5,393		5,393	0	182	5,211		5,211
1977	4,220		4,220	0	146	4,074		4,074
1978	2,254		2,254	0	161	2,093		2,093
1979	3,930		3,930	0	166	3,764		3,764
1980	2,333		2,333	0	323	2,010		2,010
1981	3,092		3,092	0	358	2,734		2,734
1982	3,716		3,716	0	169	3,547		3,547
1983	2,651		2,651	0	245	2,406		2,406
1984	5,165		5,165	0	233	4,932		4,932
1985	5,385		5,385	0	210	5,175		5,175
1986	5,570		5,570	0	234	5,336		5,336
1987	4,914		4,914	0	193	4,721		4,721
1988	4,966		4,966	0	233	4,733		4,733
1989	5,392		5,392	0	240	5,152		5,152
1990	3,851		3,851	0	83	3,768		3,768
1991	4,426		4,426	0	190	4,236		4,236
1992	4,100		4,100	0	118	3,982		3,982
1993	5,013		5,013	0	276	4,737		4,737
1994	4,525		4,525	0	227	4,298		4,298
1995	3,560		3,560	0	145	3,415		3,415

VERIFIED EXTRACTIONS BY
 AGUA MANSA WATER COMPANY AND MEEKS & DALEY WATER COMPANY
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 (All Values in Acre-Feet)

Calendar Year	San Bernardino Basin Area Extractions			Delivery for Use in San Bernardino Basin Area	Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County	Delivery for Use in Areas Outside San Bernardino Valley		
	Total Extractions	Additional Extractions	Extractions	Deliveries	Deliveries	Actual Deliveries	Additional Deliveries	Deliveries
1996	3,912		3,912	0	194	3,718		3,718
1997	4,165		4,165	0	137	4,028		4,028
1998	3,828		3,828	0	210	3,618		3,618
1999	6,289		6,289	0	90	6,199		6,199
2000	3,832		3,832	0	352	3,480		3,480
2001	3,671		3,671	0	192	3,479		3,479
2002	5,800		5,800	0	202	5,598		5,598
2003	7,440		7,440	0	49	7,391		7,391
2004	3,782		3,782	0	19	3,763		3,763
2005	5,891		5,891	0	4	5,887		5,887
2006	7,515		7,515	0	0	7,515		7,515
2007	7,591		7,591	0	0	7,591		7,591
2008	4,832		4,832	0	0	4,832		4,832
2009	6,345		6,345	0	0	6,345		6,345
2010	6,738		6,738	0	0	6,738		6,738
2011	7,127		7,127	0	0	7,127		7,127
2012								
2013								
2014								
2015								
2016								
2017								
2018								
2019								
2020								

VERIFIED EXTRACTIONS BY
AGUA MANSA WATER COMPANY AND MEEKS & DALEY WATER COMPANY
FROM THE SAN BERNARDINO BASIN AREA
FOR DELIVERY TO EACH SERVICE AREA

Note: See Report of Watermaster, Volume 1A, Table No. 3.

ADJUSTED RIGHT OF
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
TO EXTRACT FROM THE SAN BERNARDINO BASIN AREA
FOR USE IN EACH SERVICE AREA
(All Values in Acre-Feet)

Calendar Year	San Bernardino Basin Area Adjusted Right			For Use In San Bernardino Basin Area	For Use In Colton Basin Area and Riverside Basin Area in San Bernardino County	San Bernardino Basin Area Adjusted Right		
	Safe Yield	New				Safe Yield	New	
	Adjusted Right 1	Conservation Allocation 2	Adjusted Right 3	Adjusted Right 4	Adjusted Right 4	Adjusted Right 1	Conservation Allocation 2	Adjusted Right 3
1971	581		581	0	0	581		581
1972	536		536	0	0	536		536
1973	536		536	0	0	536		536
1974	536		536	0	0	536		536
1975	536		536	0	0	536		536
1976	536		536	0	0	536		536
1977	536		536	0	0	536		536
1978	536		536	0	0	536		536
1979	536		536	0	0	536		536
1980	536		536	0	0	536		536
1981	536		536	0	0	536		536
1982	536		536	0	0	536		536
1983	536		536	0	0	536		536
1984	536		536	0	0	536		536
1985	536		536	0	0	536		536
1986	536		536	0	0	536		536
1987	536		536	0	0	536		536
1988	536		536	0	0	536		536
1989	536		536	0	0	536		536
1990	536		536	0	0	536		536
1991	536		536	0	0	536		536
1992	536		536	0	0	536		536
1993	536		536	0	0	536		536
1994	536		536	0	0	536		536
1995	536		536	0	0	536		536

ADJUSTED RIGHT OF
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
TO EXTRACT FROM THE SAN BERNARDINO BASIN AREA
FOR USE IN EACH SERVICE AREA
(All Values in Acre-Feet)

Calendar Year	San Bernardino Basin Area Adjusted Right			For Use In San Bernardino Basin Area	For Use In Colton Basin Area and Riverside Basin Area in San Bernardino County	San Bernardino Basin Area Adjusted Right		
	Safe Yield	New				Safe Yield	New	
	Adjusted Right 1	Conservation Allocation 2	Adjusted Right 3	Adjusted Right 4	Adjusted Right 4	Adjusted Right 1	Conservation Allocation 2	Adjusted Right 3
1996	536		536	0	0	536		536
1997	536		536	0	0	536		536
1998	536		536	0	0	536		536
1999	536		536	0	0	536		536
2000	536		536	0	0	536		536
2001	536		536	0	0	536		536
2002	536		536	0	0	536		536
2003	536		536	0	0	536		536
2004	536		536	0	0	536		536
2005	536		536	0	0	536		536
2006	536		536	0	0	536		536
2007	536		536	0	0	536		536
2008	536		536	0	0	536		536
2009	536		536	0	0	536		536
2010	536		536	0	0	536		536
2011	536		536	0	0	536		536
2012	536		536	0	0	536		536
2013	536	18	554	0	0	536	18	554
2014	536	18	554	0	0	536	18	554
2015	536	18	554	0	0	536	18	554
2016	536	18	554	0	0	536	18	554
2017	536	18	554	0	0	536	18	554
2018	536	18	554	0	0	536	18	554
2019	536	18	554	0	0	536	18	554
2020	536	18	554	0	0	536	18	554

ADJUSTED RIGHT OF
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
TO EXTRACT FROM THE SAN BERNARDINO BASIN AREA
FOR USE IN EACH SERVICE AREA

1 Safe Yield Adjusted Right became effective on January 1, 1972; Base Right for Calendar Year 1971 is as shown in Table B-1 of the Judgment.

2 New Conservation Allocation takes effect in the first year shown and continues until further adjusted by Watermaster.

Pursuant to Paragraph VI(b) of the Judgment, Watermaster has determined The Regents of the University of California New Conservation Allocation to be 18 acre-feet per year starting in 2013.

The 2013 Paragraph VI(b)6 Agreement provides that Watermaster will periodically consider changing this number based on provisions of the Agreement.

3 Adjusted Right equals Safe Yield Adjusted Right plus New Conservation Allocation

4 New Conservation Allocation may also be used in the San Bernardino Basin Area, or the Colton Basin Area and Riverside Basin Area in San Bernardino County.

VERIFIED EXTRACTIONS BY
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
FROM THE SAN BERNARDINO BASIN AREA
FOR DELIVERY TO EACH SERVICE AREA
(All Values in Acre-Feet)

Calendar Year	San Bernardino Basin Area Extractions			Delivery for Use in San Bernardino Basin Area	Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County	Delivery for Use in Areas Outside San Bernardino Valley		
	Total Extractions	Additional Extractions	Extractions	Deliveries	Deliveries	Actual Deliveries	Additional Deliveries	Deliveries
1971	219		219	0	0	219		219
1972	239		239	0	0	239		239
1973	239		239	0	0	239		239
1974	267		267	0	0	267		267
1975	179		179	0	0	179		179
1976	245		245	0	0	245		245
1977	87		87	0	0	87		87
1978	183		183	0	0	183		183
1979	83		83	0	0	83		83
1980	7		7	0	0	7		7
1981	143		143	0	0	143		143
1982	48		48	0	0	48		48
1983	0		0	0	0	0		0
1984	0		0	0	0	0		0
1985	0		0	0	0	0		0
1986	48		48	0	0	48		48
1987	195		195	0	0	195		195
1988	179		179	0	0	179		179
1989	62		62	0	0	62		62
1990	95		95	0	0	95		95
1991	23		23	0	0	23		23
1992	32		32	0	0	32		32
1993	0		0	0	0	0		0
1994	0		0	0	0	0		0
1995	0		0	0	0	0		0

VERIFIED EXTRACTIONS BY
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
FROM THE SAN BERNARDINO BASIN AREA
FOR DELIVERY TO EACH SERVICE AREA
(All Values in Acre-Feet)

Calendar Year	San Bernardino Basin Area Extractions			Delivery for Use in San Bernardino Basin Area	Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County	Delivery for Use in Areas Outside San Bernardino Valley		
	Total Extractions	Additional Extractions	Extractions	Deliveries	Deliveries	Actual Deliveries	Additional Deliveries	Deliveries
1996	445		445	0	0	445		445
1997	505	58 1	447	0	0	505	58 1	447
1998	590	54 2	536	0	0	590	54 2	536
1999	586	50 3	536	0	0	586	50 3	536
2000	624	88 4	536	0	0	624	88 4	536
2001	617	81 5	536	0	0	617	81 5	536
2002	618	82 6	536	0	0	618	82 6	536
2003	536		536	0	0	536		536
2004	618	82 7	536	0	0	618	82 7	536
2005	536		536	0	0	536		536
2006	536		536	0	0	536		536
2007	536		536	0	0	536		536
2008	536		536	0	0	536		536
2009	536		536	0	0	536		536
2010	536		536	0	0	536		536
2011	536		536	0	0	536		536
2012								
2013								
2014								
2015								
2016								
2017								
2018								
2019								
2020								

VERIFIED EXTRACTIONS BY
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
FROM THE SAN BERNARDINO BASIN AREA
FOR DELIVERY TO EACH SERVICE AREA

Note: See Report of Watermaster, Volume 1A, Table No. 3.

- 1 Extracted or exported under February 19, 1997 10th Amendment to December 22, 1981 agreements. (High Groundwater Mitigation)*
- 2 Extracted or exported under February 18, 1998 11th Amendment to December 22, 1981 agreements. (High Groundwater Mitigation)*
- 3 Extracted or exported under January 19, 1999 13th Amendment to December 22, 1981 agreements. (High Groundwater Mitigation)*
- 4 Extracted or exported under August 16, 2000 15th Amendment to December 22, 1981 agreements. (High Groundwater Mitigation)*
- 5 Extracted or exported under February 7, 2001 17th Amendment to December 22, 1981 agreements. (High Groundwater Mitigation)*
- 6 Extracted or exported under February 6, 2002 19th Amendment to December 22, 1981 agreements. (High Groundwater Mitigation)*
- 7 Extracted or exported under August 18, 2004 21st Amendment to December 22, 1981 agreements. (High Groundwater Mitigation)*

CHAPTER IV

**NATURAL SAFE YIELD OF THE
SAN BERNARDINO BASIN AREA AND
ADJUSTED RIGHTS OF PLAINTIFF EXPORTERS**

CHAPTER IV

NATURAL SAFE YIELD OF THE SAN BERNARDINO BASIN AREA AND ADJUSTED RIGHTS OF PLAINTIFF EXPORTERS

The Watermaster has determined the natural safe yield of the water supply accruing to the San Bernardino Basin Area at 232,100 acre-feet per annum from which the Adjusted Rights of Plaintiff exporters were also determined. Such determination of safe yield and Adjusted Rights of Plaintiff exporters was set forth in detail in 1972 in Report of Watermaster, Volume 9, titled *Determination of Natural Safe Yield of the San Bernardino Basin Area and Adjusted Rights of Plaintiff Exporters*.

The Adjusted Rights of Plaintiff extractions from the San Bernardino Basin Area, classified according to service areas and based on the natural safe yield of 232,100 acre-feet per annum have been summarized on the following table.

PLAINTIFF ADJUSTED RIGHTS
CLASSIFIED ACCORDING TO SERVICE AREA ¹
(All Values in Acre-Feet)

Plaintiffs	Total Extractions in San Bernardino Basin Area	Delivery to San Bernardino Basin Area	Delivery to Colton Basin and Riverside Basin Area in San Bernardino County	Delivery to Areas Outside San Bernardino Valley
City of Riverside	52,199 ²	1,427	1,230	49,542 ²
Riverside Highland Water Company	4,294	0	2,449	1,845
Agua Mansa Water Company and Meeks & Daley Water Company	7,833	0	318	7,515
Regents of The University of California	536 ²	0	0	536 ²
TOTAL	64,862	1,427	3,997	59,438

¹ Effective January 1, 1972. Therefore, the 1971 rights for both Plaintiffs and other than Plaintiffs are equal to the five-year base period average.

² The Adjusted Rights allocated to the City of Riverside and The Regents of The University of California were established at 52,169 and 566 acre-feet per annum respectively. On the basis of an amended recordation filing for the 1959-63 Base Period, the adjusted right for The Regents of The University of California was reduced to 536 acre-feet, and the City of Riverside adjusted right was increased to 52,199 acre-feet.

Paragraph VI(b)1(b) of the Judgment provides that the safe yield Adjusted Rights of Plaintiffs shown in the table above can be further adjusted to reflect new conservation. New conservation is defined in Judgment Paragraph IV(i) as, “Any increase in replenishment from natural precipitation which results from operation of works and facilities not in existence when safe yield was determined ...”. The construction of Seven Oaks Dam has resulted in new conservation.

Commencing in 2013, Adjusted Rights of Plaintiffs have been increased based on calculations of the long term average increase in yield resulting from operation of Seven Oaks Reservoir. The amounts of such increase are shown as the New Conservation Allocation on Table Nos. 3A-1 through 3D-1. Therefore, commencing in 2013 the Adjusted Rights for Plaintiffs shown on Table Nos. 3A-1 through 3D-1 are the sum of the Safe Yield Adjusted Right (shown in the table above) and the New Conservation Allocation.

The Adjusted Right of other than Plaintiffs was also based on the natural safe yield of the San Bernardino Basin Area and was determined in 1972 to be 167,238 acre-feet. The Safe Yield Adjusted Right of users other than Plaintiffs of 167,238 acre-feet has also been further adjusted pursuant to Judgment Paragraph VI(c) to reflect the New Conservation Allocation. Therefore, commencing in 2013 the Adjusted Right of users other than Plaintiffs is shown on Table No. 2, Page 1 as the sum of the Safe Yield Adjusted Right and the New Conservation Allocation.

The Judgment provides for continuing jurisdiction of the Court in the following matters:

- 1) The hydrologic condition of any one or all of the separate basins described in this Judgment in order to determine from time to time the safe yield of the San Bernardino Basin Area, and

- 2) The adjusted rights of the Plaintiffs as required to comply with the provisions hereof with respect to changes in the natural safe yield of the San Bernardino Basin Area. If such changes occur, the Court shall adjudge that the Adjusted Rights and replenishment obligations of each Party shall be changed proportionately to the base rights.

In order to provide a basis for future determination of safe yield, the Watermaster maintains a continuing program of collecting and analyzing current hydrologic data pertinent to the annual water supply to, and utilization of water from, the San Bernardino Basin Area.

Such data will be summarized and reported from time to time in subsequent supplemental reports of the Watermaster.

CHAPTER V

EXTRACTIONS FROM COLTON BASIN AREA AND RIVERSIDE BASIN AREA IN SAN BERNARDINO COUNTY

CHAPTER V

EXTRACTIONS FROM THE COLTON BASIN AREA AND RIVERSIDE BASIN AREA IN SAN BERNARDINO COUNTY

For Use Outside San Bernardino Valley

The extractions from the Colton Basin Area and that portion of the Riverside Basin Area within San Bernardino County for use outside San Bernardino Valley during the 2011 calendar year have been verified by the Watermaster as 173 acre-feet and 13,276 acre-feet, respectively. The individual work sheets for these determinations are included in Report of Watermaster, Volume 2-2011 titled *Verified Extractions From the Colton Basin Area-Table No. 4*, Volume 3-2011 titled *Verified Extractions From Riverside Basin Area Within San Bernardino County-Table No. 4*, and Volume 5-2011 titled *Distribution of Extractions From the San Bernardino Basin Area, Colton Basin Area, and Riverside Basin Area for Use Outside the San Bernardino Valley Municipal Water District-Table No. 57*.

For Use Within San Bernardino Valley

Provided minimum ground water surface elevations within the Colton Basin Area and that portion of Riverside Basin Area within San Bernardino County are maintained by San Bernardino Valley, extractions from the Colton Basin Area and that portion of the Riverside Basin Area within San Bernardino County for use within San Bernardino Valley are not limited and therefore verification of such amounts are not specifically required by the Judgment. However, proper allocation of the total extractions from these areas for use in areas outside San Bernardino Valley necessitates the verification of these extractions. The individual work sheets for the 2011 verification and distribution

of extractions are also included in Report of Watermaster, Volumes 2-2011, 3-2011 and 5-2011.

The extractions from the Colton Basin Area and the Riverside Basin Area in San Bernardino County for calendar years 1971 through 2011 are summarized in Table Nos. 4 and 5 following.

TABLE NO. 4
 VERIFIED EXTRACTIONS FROM COLTON BASIN AREA
 BY SAN BERNARDINO AND RIVERSIDE COUNTY ENTITIES
 FOR USE WITHIN EACH COUNTY
 ANNUAL TOTALS
 (All Values in Acre-Feet)

Calendar Year	Total from Basin	Extracted by		Total	Used in		Base Right for Use in Riverside County	1
		San Bernardino County Entities			San Bernardino County	Riverside County		
Extracted by Riverside County Entities								
Five-Year Base Period								
1959-63 Avg.	11,731	2	8,235	2	3,496	115	3,381	3,381
1971	11,388	2	8,363	2	3,025	248	2,777	3,381
1972	10,414		7,532		2,882	271	2,611	3,381
1973	7,844		6,982		862	247	615	3,381
1974	8,906		7,169		1,737	273	1,464	3,381
1975	11,083		6,821		4,262	389	3,873	3,381
1976	11,558	2	8,605	2	2,953	265	2,688	2 3,381
1977	8,777		6,061		2,716	447	2,269	3,381
1978	7,663		6,430		1,233	338	895	3,381
1979	7,194		5,224		1,970	288	1,682	3,381
1980	5,686	2	5,610	2	76	2 0	76	2 3,381
1981	6,348		6,175		173	0	173	3,381
1982	6,499		5,450		1,049	68	981	3,381
1983	4,735	2	4,603	2	132	37	95	3,381
1984	8,987		7,441		1,546	205	2 1,341	2 3,381
1985	10,149		7,142		3,007	764	2 2,243	2 3,381
1986	10,035		7,651		2,384	806	2 1,578	2 3,381
1987	13,175		11,054		2,121	565	2 1,556	2 3,381
1988	13,552		11,453		2,099	392	1,707	3,381
1989	14,103	2	11,799	2	2,304	299	2,005	3,381
1990	17,571	2	15,551	2	2,020	368	1,652	3,381
1991	14,323		12,282		2,041	206	1,835	3,381
1992	16,750		15,068		1,682	227	1,455	3,381
1993	14,977		14,581		396	0	396	3,381
1994	15,813	2	14,652	2	1,161	95	1,066	3,381
1995	17,308	2	16,693	2	615	126	489	3,381
1996	17,040	2	16,385	2	655	78	577	3,381
1997	14,498	2	13,276	2	1,222	81	1,141	3,381
1998	10,972	2	10,689	2	283	32	251	3,381
1999	12,564	2	11,430	2	1,134	222	912	3,381
2000	13,123	2	12,837	2	286	2		

TABLE NO. 4
 VERIFIED EXTRACTIONS FROM COLTON BASIN AREA
 BY SAN BERNARDINO AND RIVERSIDE COUNTY ENTITIES
 FOR USE WITHIN EACH COUNTY
 ANNUAL TOTALS
 (All Values in Acre-Feet)

Calendar Year	Total from Basin	Extracted by San Bernardino County Entities		Total	Used in Riverside County Entities		Base Right for Use in Riverside County	1		
					San Bernardino County	Riverside County				
Five-Year Base Period										
1959-63 Avg.	11,731	2	8,235	2	3,496	115	3,381	3,381		
2001	16,389	2	16,056	2	333	168	2	165	2	3,381
2002	19,161	2	17,766	2	1,395	116	2	1,279	2	3,381
2003	25,656	2	24,576	2	1,080	18	2	1,062	2	3,381
2004	24,346	2	24,167	2	179	7	2	172	2	3,381
2005	18,814	2	18,727	2	87	3	2	84	2	3,381
2006	17,566	2	17,154	2	412	0		412		3,381
2007	20,988	2	20,246	2	742	0		742		3,381
2008	20,658	2	19,719	2	939	0		939		3,381
2009	23,536		23,158		378	0		378		3,381
2010	24,455		24,378		77	0		77		3,381
2011	20,573		20,400		173	0		173		3,381
2012										
2013										
2014										
2015										
2016										
2017										
2018										
2019										
2020										

Note: See Report of Watermaster, Volume 2, Tables 4 & 5; and Volume 5, Table 38.

1 Extractions for use in Riverside County are limited to the verified extractions for the five-year Base Period 1959-63

2 Amount corrected during a subsequent year verification of extractions.

VERIFIED EXTRACTIONS FROM COLTON BASIN AREA
 BY SAN BERNARDINO AND RIVERSIDE COUNTY ENTITIES
 FOR USE WITHIN EACH COUNTY
 FIVE-YEAR TOTALS
 (All Values in Acre-Feet)

Five-Year Period	Total from Basin	Extracted by San Bernardino County Entities	Extracted by Riverside County Entities			Base Right for Use in Riverside County	1
			Total	Used in San Bernardino County	Used in Riverside County		
Five-Year Base Period 1959-63	58,655	41,175	17,480	575	16,905	16,905	
1971-75	49,635	36,867	12,768	1,428	11,340	16,905	
1972-76	49,805	37,109	12,696	1,445	11,251	16,905	
1973-77	48,168	35,638	12,530	1,621	10,909	16,905	
1974-78	47,987	35,086	12,901	1,712	11,189	16,905	
1975-79	46,275	33,141	13,134	1,727	11,407	16,905	
1976-80	40,878	31,930	8,948	1,338	7,610	16,905	
1977-81	35,668	29,500	6,168	1,073	5,095	16,905	
1978-82	33,390	28,889	4,501	694	3,807	16,905	
1979-83	30,462	27,062	3,400	393	3,007	16,905	
1980-84	32,255	29,279	2,976	310	2,666	16,905	
1981-85	36,718	30,811	5,907	1,074	4,833	16,905	
1982-86	40,405	32,287	8,118	1,880	6,238	16,905	
1983-87	47,081	37,891	9,190	2,377	6,813	16,905	
1984-88	55,898	44,741	11,157	2,732	8,425	16,905	
1985-89	61,014	49,099	11,915	2,826	9,089	16,905	
1986-90	68,436	57,508	10,928	2,430	8,498	16,905	
1987-91	72,724	62,139	10,585	1,830	8,755	16,905	
1988-92	76,299	66,153	10,146	1,492	8,654	16,905	
1989-93	77,724	69,281	8,443	1,100	7,343	16,905	
1990-94	79,434	72,134	7,300	896	6,404	16,905	
1991-95	79,171	73,276	5,895	654	5,241	16,905	
1992-96	81,888	77,379	4,509	526	3,983	16,905	
1993-97	79,636	75,587	4,049	380	3,669	16,905	
1994-98	75,631	71,695	3,936	412	3,524	16,905	
1995-99	72,382	68,473	3,909	539	3,370	16,905	

VERIFIED EXTRACTIONS FROM COLTON BASIN AREA
 BY SAN BERNARDINO AND RIVERSIDE COUNTY ENTITIES
 FOR USE WITHIN EACH COUNTY
 FIVE-YEAR TOTALS
 (All Values in Acre-Feet)

Five-Year Period	Total from Basin	Extracted by San Bernardino County Entities	Extracted by Riverside County Entities			
			Total	Used in San Bernardino County	Used in Riverside County	Base Right for Use in Riverside County ¹
Five-Year Base Period 1959-63	58,655	41,175	17,480	575	16,905	16,905
1996-00	68,197	64,617	3,580	486	3,094	16,905
1997-01	67,546	64,288	3,258	576	2,682	16,905
1998-02	72,209	68,778	3,431	611	2,820	16,905
1999-03	86,893	82,665	4,228	597	3,631	16,905
2000-04	98,675	95,402	3,273	382	2,891	16,905
2001-05	104,366	101,292	3,074	312	2,762	16,905
2002-06	105,543	102,390	3,153	144	3,009	16,905
2003-07	107,370	104,870	2,500	28	2,472	16,905
2004-08	102,372	100,013	2,359	10	2,349	16,905
2005-09	101,562	99,004	2,558	3	2,555	16,905
2006-10	107,203	104,655	2,548	0	2,548	16,905
2007-11	110,210	107,901	2,309	0	2,309	16,905
2008-12						
2009-13						
2010-14						
2011-15						
2012-16						
2013-17						
2014-18						
2015-19						
2016-20						

¹ Extractions for use in Riverside County are limited to the verified extractions for the five-year Base Period 1959-63.
 Note: 5-year totals corrected to reflect any corrections on Table 4, Page 1a of 2 and Page 1b of 2

VERIFIED EXTRACTIONS FROM RIVERSIDE BASIN AREA
 IN SAN BERNARDINO COUNTY
 BY SAN BERNARDINO AND RIVERSIDE COUNTY ENTITIES
 FOR USE WITHIN EACH COUNTY
 ANNUAL TOTALS
 (All Values in Acre-feet)

Calendar Year	Total from Basin	Extracted by San Bernardino County Entities		Extracted by Riverside County Entities			Base Right for Use in Riverside County ¹
		Total	Used in San Bernardino County	Used in Riverside County	Used in San Bernardino County	Used in Riverside County	
Five-Year Base Period 1959-63 Avg.	33,729	9,609	24,120	3,035	21,085	21,085	
1971	29,070	8,748	20,322	2,214	18,108	21,085	
1972	28,148	7,963	20,185	1,597	18,588	21,085	
1973	21,809	6,490	15,319	1,333	13,986	21,085	
1974	21,881	6,899	14,982	1,399	13,583	21,085	
1975	22,701	6,513	16,188	1,225	14,963	21,085	
1976	24,705	6,898	17,807	1,666	16,141	21,085	
1977	23,506	7,089	16,417	1,985	14,432	21,085	
1978	17,216	6,261	10,955	1,900	9,055	21,085	
1979	20,024	7,062	12,962	2,370	10,592	21,085	
1980	18,533	5,932 ²	12,601 ²	3,410	9,191 ²	21,085	
1981	23,611	6,811	16,800	3,733	13,067	21,085	
1982	17,349 ²	5,402 ²	11,947 ²	3,483 ²	8,464 ²	21,085	
1983	11,904 ²	5,204 ²	6,700 ²	2,925 ²	3,775	21,085	
1984	17,161	5,648	11,513	1,953	9,560	21,085	
1985	19,392 ²	6,048 ²	13,344	2,143	11,201	21,085	
1986	17,337	7,401 ²	9,936 ²	1,245	8,691 ²	21,085	
1987	15,803 ²	7,374 ²	8,429	717	7,712	21,085	
1988	16,933 ²	7,237 ²	9,696 ²	773	8,923 ²	21,085	
1989	25,557	7,781	17,776	1,619	16,157	21,085	
1990	26,371	7,872	18,499	2,628	15,871	21,085	
1991	28,011	6,472	21,539	2,984	18,555	21,085	
1992	21,959 ²	5,652 ²	16,307	1,579	14,728	21,085	
1993	21,866	5,428	16,438	1,735	14,703	21,085	
1994	19,661	5,711	13,950	1,746	12,204	21,085	
1995	23,865 ²	6,223 ²	17,642	1,696	15,946	21,085	
1996	26,698 ²	11,986 ²	14,712	1,308 ²	13,404 ²	21,085	
1997	30,284 ²	17,887 ²	12,397 ²	1,358 ²	11,039 ²	21,085	
1998	33,116	22,112	11,004 ²	1,330 ²	9,674 ²	21,085	
1999	35,482 ³	21,899 ³	13,583 ²	1,867 ²	11,716 ²	21,085	
2000	36,124 ^{3,4}	23,634 ²⁻⁴	12,490				

TABLE NO. 5
 VERIFIED EXTRACTIONS FROM RIVERSIDE BASIN AREA
 IN SAN BERNARDINO COUNTY
 BY SAN BERNARDINO AND RIVERSIDE COUNTY ENTITIES
 FOR USE WITHIN EACH COUNTY
 ANNUAL TOTALS
 (All Values in Acre-feet)

Calendar Year	Total from Basin	Extracted by San Bernardino County Entities		Extracted by Riverside County Entities		Base Right for Use in Riverside County ¹
				Used in San Bernardino County	Used in Riverside County	
Five-Year Base Period 1959-63 Avg.	33,729	9,609		24,120	3,035	21,085
2001	31,423 ²⁻⁴	21,029 ^{2,3}		10,394 ²	1,281 ²	21,085
2002	28,042 ^{3,4}	13,926 ³		14,116	2,441	21,085
2003	27,648 ^{3,4}	16,713 ³		10,935	1,699 ²	21,085
2004	24,779 ^{3,4}	15,558 ³		9,221	2,499	21,085
2005	29,447 ^{3,4}	18,177 ³		11,270	1,870	21,085
2006	30,045 ^{2,3}	16,037 ^{2,3}		14,008	1,139	21,085
2007	27,491 ³	16,963 ³		10,528	1,925	21,085
2008	30,678	16,097 ²		14,581 ²	1,447	21,085
2009	34,180	15,034 ²		19,146 ²	2,354	21,085
2010	29,125	13,793 ²		15,332 ²	2,657	21,085
2011	29,590	14,104		15,486	2,210	21,085
2012						
2013						
2014						
2015						
2016						
2017						
2018						
2019						
2020						

¹ Extractions for use in Riverside County are limited to the verified extractions for five-year Base Period 1959-63.

² Amounts corrected during a subsequent year verification of extractions.

Note: See Report of Watermaster, Volume 3, Tables 4 & 5; and Volume 5, Table 52-A.

³ Roquet, Harry V. reopened and filed 10 years of previous extractions for well recordation 3601422.

⁴ Arrowhead Regional Medical Center, new well 3603947, backfiled on First Notice.

VERIFIED EXTRACTIONS FROM RIVERSIDE BASIN AREA
 IN SAN BERNARDINO COUNTY
 BY SAN BERNARDINO AND RIVERSIDE COUNTY ENTITIES
 FOR USE WITHIN EACH COUNTY
 FIVE-YEAR TOTALS
 (All Values in Acre-Feet)

Five-Year Period	Total from Basin	Extracted by San Bernardino County Entities	Extracted by Riverside County Entities			
			Total	Used in San Bernardino County	Used in Riverside County	Base Right for Use in Riverside County ¹
Five-Year Base Period						
1959-63	168,645	48,045	120,600	15,175	105,425	105,425
1971-75	123,609	36,613	86,996	7,768	79,228	105,425
1972-76	119,244	34,763	84,481	7,220	77,261	105,425
1973-77	114,602	33,889	80,713	7,608	73,105	105,425
1974-78	110,009	33,660	76,349	8,175	68,174	105,425
1975-79	108,152	33,823	74,329	9,146	65,183	105,425
1976-80	103,984	33,242	70,742	11,331	59,411	105,425
1977-81	102,890	33,155	69,735	13,398	56,337	105,425
1978-82	96,733	31,468	65,265	14,896	50,369	105,425
1979-83	91,421	30,411	61,010	15,921	45,089	105,425
1980-84	88,558	28,997	59,561	15,504	44,057	105,425
1981-85	89,417	29,113	60,304	14,237	46,067	105,425
1982-86	83,143	29,703	53,440	11,749	41,691	105,425
1983-87	81,597	31,675	49,922	8,983	40,939	105,425
1984-88	86,626	33,708	52,918	6,831	46,087	105,425
1985-89	95,022	35,841	59,181	6,497	52,684	105,425
1986-90	102,001	37,665	64,336	6,982	57,354	105,425
1987-91	112,675	36,736	75,939	8,721	67,218	105,425
1988-92	118,831	35,014	83,817	9,583	74,234	105,425
1989-93	123,764	33,205	90,559	10,545	80,014	105,425
1990-94	117,868	31,135	86,733	10,672	76,061	105,425
1991-95	115,362	29,486	85,876	9,740	76,136	105,425
1992-96	114,049	35,000	79,049	8,064	70,985	105,425
1993-97	122,374	47,235	75,139	7,843	67,296	105,425
1994-98	133,624	63,919	69,705	7,438	62,267	105,425
1995-99	149,445	80,107	69,338	7,559	61,779	105,425

VERIFIED EXTRACTIONS FROM RIVERSIDE BASIN AREA
 IN SAN BERNARDINO COUNTY
 BY SAN BERNARDINO AND RIVERSIDE COUNTY ENTITIES
 FOR USE WITHIN EACH COUNTY
 FIVE-YEAR TOTALS
 (All Values in Acre-Feet)

Five-Year Period	Total from Basin	Extracted by San Bernardino County Entities	Extracted by Riverside County Entities		Base Right for Use in Riverside County ¹
			Total	Used in San Bernardino County	
Five-Year Base Period 1959-63	168,645	48,045	120,600	15,175	105,425
1996-00	161,704	97,518	64,186	6,984	105,425
1997-01	166,429	106,561	59,868	6,957	105,425
1998-02	164,187	102,600	61,587	8,040	105,425
1999-03	158,719	97,201	61,518	8,409	105,425
2000-04	148,016	90,860	57,156	9,041	105,425
2001-05	141,339	85,403	55,936	9,790	105,425
2002-06	139,961	80,411	59,550	9,648	105,425
2003-07	139,410	83,448	55,962	9,132	105,425
2004-08	142,440	82,832	59,608	8,880	105,425
2005-09	151,841	82,308	69,533	8,735	105,425
2006-10	151,519	77,924	73,595	9,522	105,425
2007-11	151,064	75,991	75,073	10,593	105,425
2008-12					
2009-13					
2010-14					
2011-15					
2012-16					
2013-17					
2014-18					
2015-19					
2016-20					

¹ Extractions for use in Riverside County are limited to the verified extractions for the five-year Base Period 1959-63.
 Note: 5-year totals corrected to reflect any corrections on Table 5, page 1 of 2.

Minimum Water Surface Elevations

Extractions from the Colton Basin Area and that portion of the Riverside Basin Area within San Bernardino County for use in San Bernardino Valley are not limited, provided that the average static ground water surface elevation as measured at wells numbered 1S/4W-21Q03S, 1S/4W-29H01S, and 1S/4W-29Q01S is not less than 822.04 feet, as set forth in the Judgment. This elevation is determined each year by averaging the lowest static ground water elevation occurring in each of the three wells at or near the same time of the year.

A map showing the locations and hydrographs of the calendar year 2012 static ground water surface elevations in the three key wells are shown on the following pages. Data pertinent to the key wells as well as the records of historic water surface measurements are included in Report of Watermaster, Volume 8-2011 titled *Ground Water Surface Elevations in Wells Numbered 1S/4W-21Q03S, 1S/4W-29H01S, and 1S/4W-29Q01S Located Within the Colton Basin Area and Riverside Basin Area in San Bernardino County through December, 2012.*




The lowest static ground water surface elevation measured in each of the three wells during calendar year 2012 is as follows:

<u>Well Number</u>	<u>Date of Measurement</u>	<u>Elevation of Water Surface</u>
1S/4W-21Q03S (Johnson #1)	December 12, 2012	871.90
1S/4W-29H01S (Flume #2)	December 12, 2012	822.83
1S/4W-29Q01S (Flume #5)	December 12, 2012	812.95
	Average	835.89

Thus, the lowest average fall water surface elevation for calendar year 2012 is 11.08 feet lower than the 2011 average of 846.98 and 13.85 feet higher than the 1963 average of 822.04.

MAP NO. 2 LOCATION OF KEY WELLS

Legend

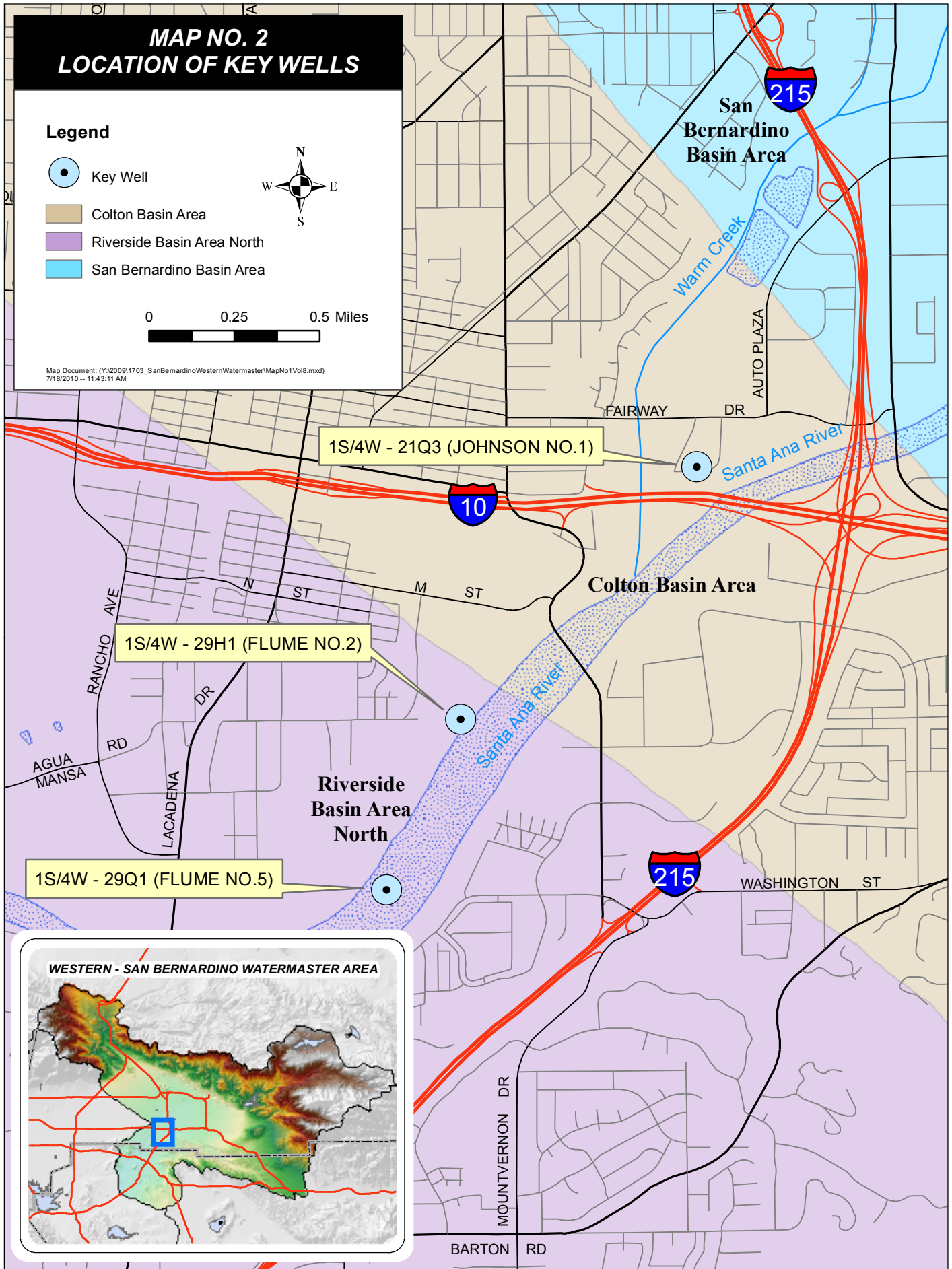
-  Key Well
-  Colton Basin Area
-  Riverside Basin Area North
-  San Bernardino Basin Area



0 0.25 0.5 Miles



Map Document: (Y:\2009\1703_SanBernardinoWesternWatermaster\MapNo1Vol8.mxd)
7/18/2010 -- 11:43:11 AM



WESTERN - SAN BERNARDINO WATERMASTER AREA

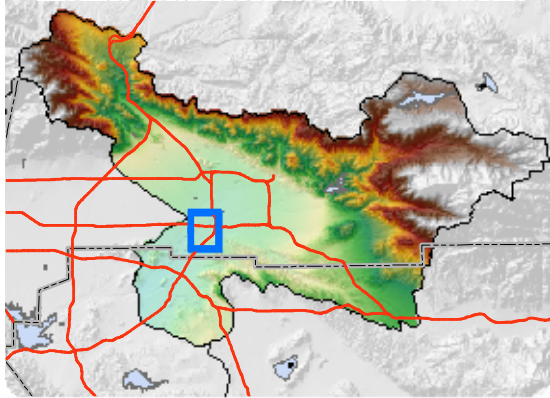
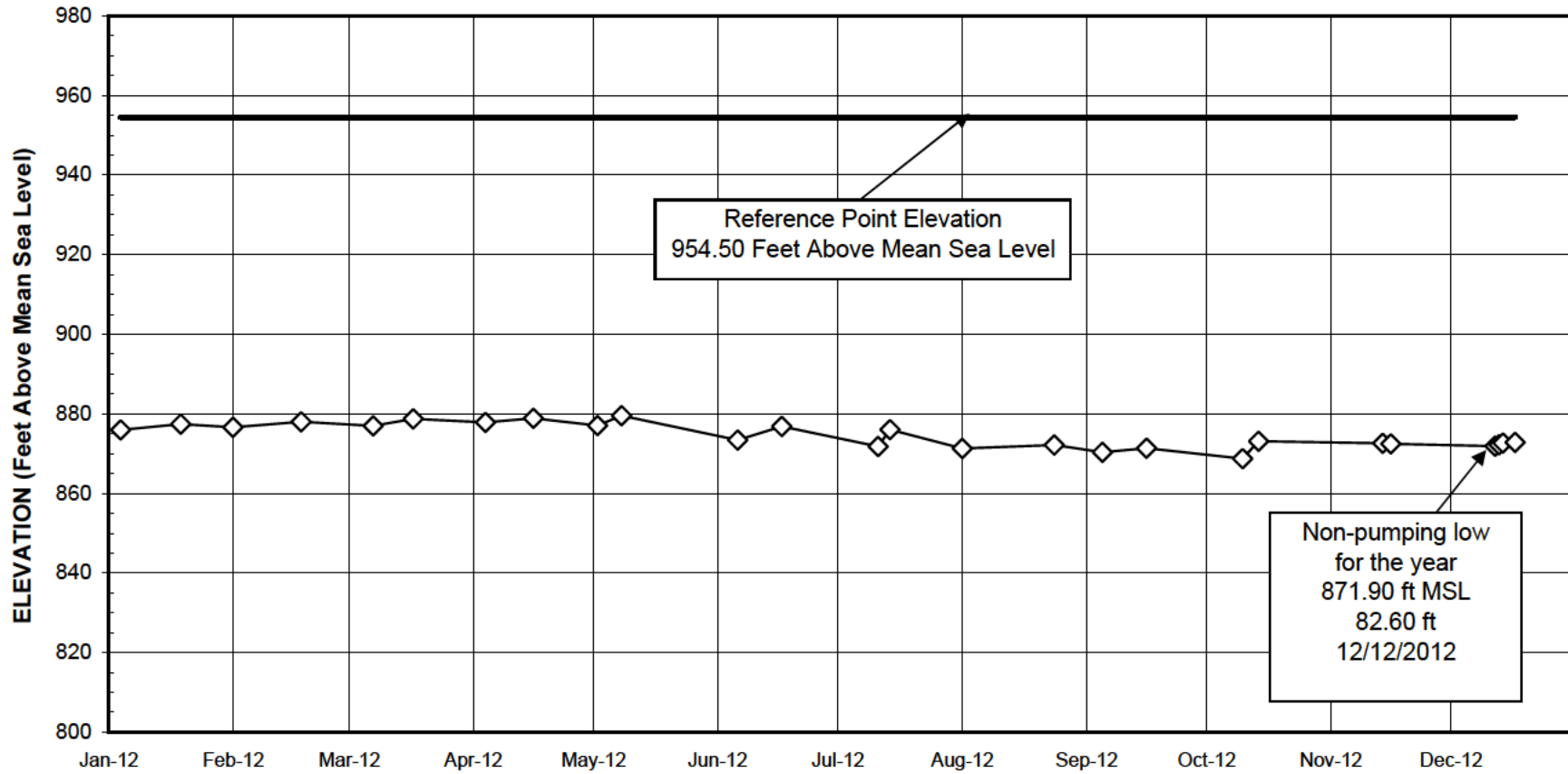


FIGURE 1
GROUNDWATER SURFACE ELEVATIONS
1S/4W-21Q03S
JOHNSON NO. 1 WELL
2012

08



**FIGURE 2
GROUNDWATER SURFACE ELEVATIONS
1S/4W-29H01S
FLUME NO. 2 WELL
2012**

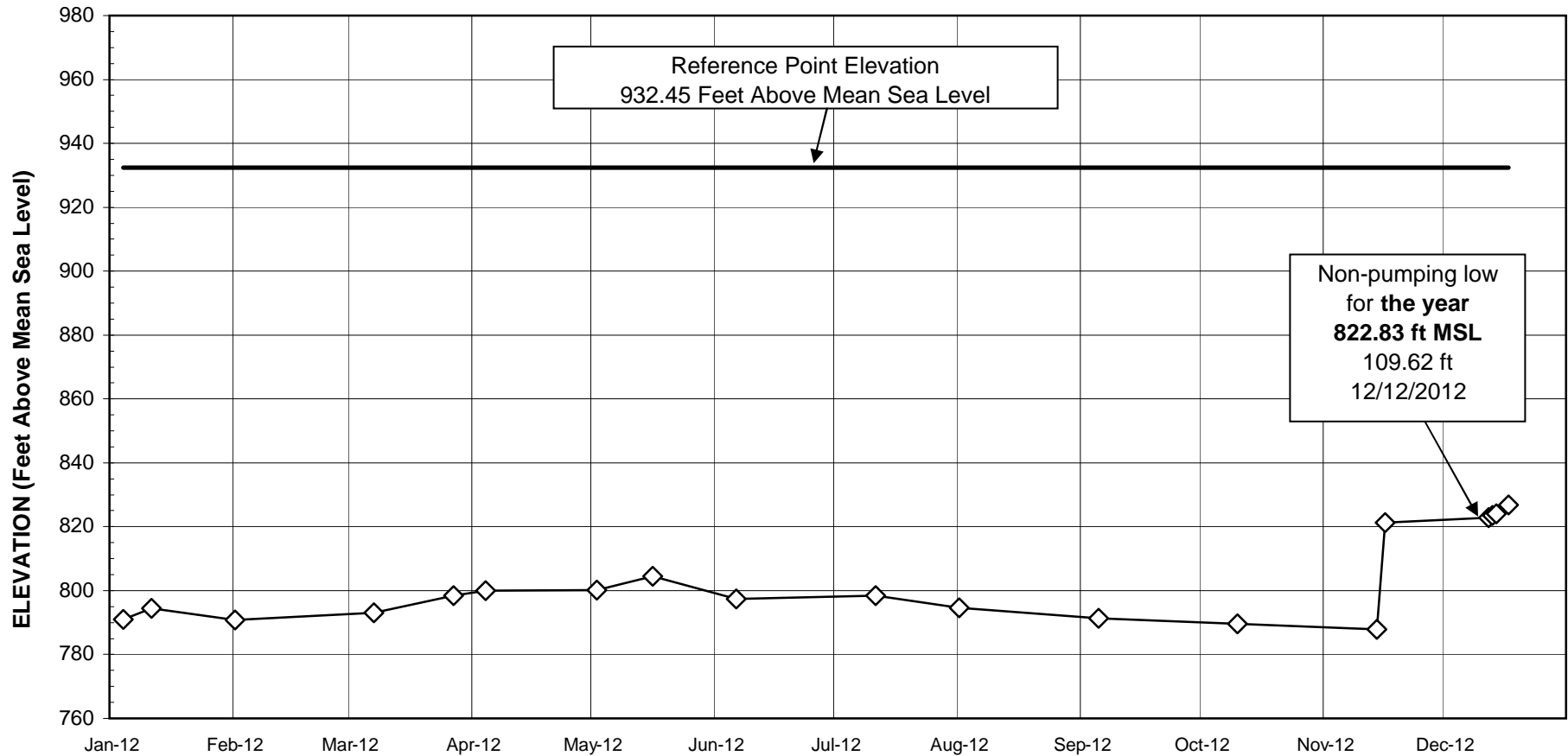
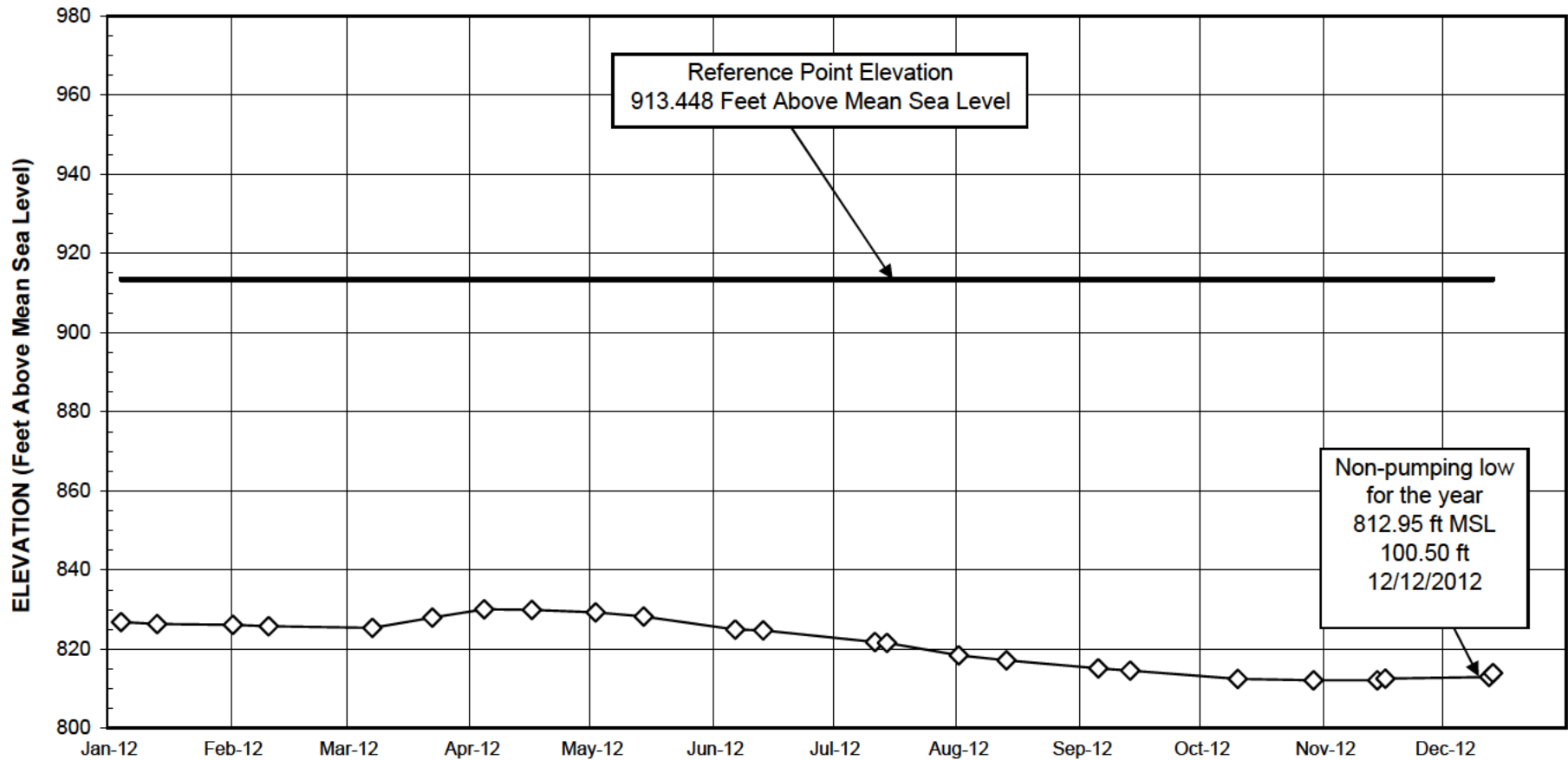


FIGURE 3
GROUNDWATER SURFACE ELEVATIONS
1S/4W-29Q01S
FLUME NO. 5 WELL
2012

82



Non-pumping low
for the year
812.95 ft MSL
100.50 ft
12/12/2012

Reference Point Elevation
913.448 Feet Above Mean Sea Level

CHAPTER VI

**EXTRACTIONS FROM THE PORTION OF
RIVERSIDE BASIN AREA IN RIVERSIDE COUNTY
WHICH IS TRIBUTARY TO THE RIVERSIDE NARROWS**

CHAPTER VI

EXTRACTIONS FROM THE PORTION OF RIVERSIDE BASIN AREA IN RIVERSIDE COUNTY WHICH IS TRIBUTARY TO THE RIVERSIDE NARROWS

Extractions

The extractions from that portion of the Riverside Basin area in Riverside County which is tributary to the Riverside Narrows for use within Riverside County for calendar year 2011 have been verified by the Watermaster as 30,560 acre-feet. The individual work sheets are included in Report of Watermaster, Volume 4-2011 titled *Verified Extractions from Riverside Basin Area Within Riverside County* and are summarized in Table No. 6 following.

TABLE NO. 6
 VERIFIED EXTRACTIONS FROM RIVERSIDE BASIN AREA
 IN RIVERSIDE COUNTY
 FOR USE IN RIVERSIDE COUNTY
 ANNUAL TOTALS
 (All Values in Acre-Feet)

Calendar Year	Total Extractions		Base Right for Use in Riverside County
Five-Year Base Period 1959-63 Avg.	29,633		29,633
1971	30,942	1	29,633
1972	37,804	2	29,633
1973	33,094		29,633
1974	38,304	2	29,633
1975	28,285		29,633
1976	31,565		29,633
1977	28,226		29,633
1978	24,576	3	29,633
1979	25,512		29,633
1980	30,206	3	29,633
1981	30,243	3	29,633
1982	20,365	3	29,633
1983	22,991	3	29,633
1984	32,466	3	29,633
1985	23,970	3	29,633
1986	24,549	3	29,633
1987	24,202	3	29,633
1988	24,470	3	29,633
1989	34,417	3	29,633
1990	31,760	3	29,633
1991	29,364	3	29,633
1992	26,538	3	29,633
1993	26,505		29,633
1994	28,125		29,633
1995	22,580		29,633
1996	24,906		29,633
1997	29,128		29,633
1998	28,558		29,633
1999	33,837		29,633
2000	32,263		29,633

TABLE NO. 6
 VERIFIED EXTRACTIONS FROM RIVERSIDE BASIN AREA
 IN RIVERSIDE COUNTY
 FOR USE IN RIVERSIDE COUNTY
 ANNUAL TOTALS
 (All Values in Acre-Feet)

Calendar Year	Total Extractions	Base Right for Use in Riverside County
Five-Year Base Period 1959-63 Avg.	29,633	29,633
2001	33,656	29,633
2002	31,013	29,633
2003	30,957	29,633
2004	35,530	29,633
2005	32,737	29,633
2006	31,026	29,633
2007	38,237 ^{2,3}	29,633
2008	31,205 ³	29,633
2009	35,519	29,633
2010	29,077	29,633
2011	30,560	29,633
2012		
2013		
2014		
2015		
2016		
2017		
2018		
2019		
2020		

1 Amount corrected during verification of 1972 extractions.

2 These extractions exceeded the Base Right plus peaking allowance of 20% by 2,244 acre-feet in 1972, 2,744 acre-feet in 1974 and 2,677 acre-feet in 2007.

3 Amount corrected during subsequent year verification of extractions.

Note: See Report of Watermaster, Volume 4, Table 4; Volume 5, Table 56.

TABLE NO. 6
 VERIFIED EXTRACTIONS FROM RIVERSIDE BASIN AREA
 IN RIVERSIDE COUNTY
 FOR USE IN RIVERSIDE COUNTY
 FIVE-YEAR TOTALS
 (All Values in Acre-Feet)

Five-Year Period	Total Extractions	Base Right for Use in Riverside County
Five-Year Base Period 1959-63	148,165	148,165
1971-75	168,429	148,165
1972-76	169,052	148,165
1973-77	159,474	148,165
1974-78	150,956	148,165
1975-79	138,164	148,165
1976-80	140,085	148,165
1977-81	138,763	148,165
1978-82	130,902	148,165
1979-83	129,317	148,165
1980-84	136,271	148,165
1981-85	130,035	148,165
1982-86	124,341	148,165
1983-87	128,178	148,165
1984-88	129,657	148,165
1985-89	131,608	148,165
1986-90	139,398	148,165
1987-91	144,213	148,165
1988-92	146,549	148,165
1989-93	148,584	148,165
1990-94	142,292	148,165
1991-95	133,112	148,165
1992-96	128,654	148,165
1993-97	131,244	148,165
1994-98	133,297	148,165
1995-99	139,009	148,165

TABLE NO. 6
 VERIFIED EXTRACTIONS FROM RIVERSIDE BASIN AREA
 IN RIVERSIDE COUNTY
 FOR USE IN RIVERSIDE COUNTY
 FIVE-YEAR TOTALS
 (All Values in Acre-Feet)

Five-Year Period	Total Extractions	Base Right for Use in Riverside County
Five-Year Base Period 1959-63	148,165	148,165
1996-00	148,692	148,165
1997-01	157,442	148,165
1998-02	159,327	148,165
1999-03	161,726	148,165
2000-04	163,419	148,165
2001-05	163,893	148,165
2002-06	161,263	148,165
2003-07	168,487	148,165
2004-08	168,735	148,165
2005-09	168,724	148,165
2006-10	165,064	148,165
2007-11	164,598	148,165
2008-12		
2009-13		
2010-14		
2011-15		
2012-16		
2013-17		
2014-18		
2015-19		
2016-20		

Note: 5-year totals corrected to reflect any corrections on Table 6, page 1 of 2.

Return Flows

The Judgment provides for additional replenishment by Western if the urbanization of the Riverside Basin results in a diminution of the return flow accruing from the extractions described above and which would have otherwise accrued to the rising water at Riverside Narrows. The extent of such diminution is determined by the permanent reduction in the irrigated areas within the various water service organizations delivering water to the areas as compared to the areas served at the time the Judgment was entered. To the extent that such reduction causes an increase in the urban uses requiring sewage disposal through the Riverside Treatment Plant (the effluent which bypasses the Riverside Narrows), Western may, from time to time, be required to provide replenishment. Such irrigated acreages in the Riverside Basin Area in Riverside County at the time the Judgment was entered, from which return flow was tributary to Riverside Narrows, are set forth in Table D-5 of Appendix "D" of the Judgment and are as follows:

IRRIGATED ACREAGE IN RIVERSIDE BASIN AREA
IN RIVERSIDE COUNTY PRESENTLY TRIBUTARY TO
RIVERSIDE NARROWS WHICH UPON CONVERSION
TO URBAN USES REQUIRING SEWAGE DISPOSAL
THROUGH THE RIVERSIDE TREATMENT PLANT WILL
BE DISCHARGED TO THE RIVER BELOW
RIVERSIDE NARROWS

<u>Entity Serving Acreage</u>	<u>Acres</u>
Gage Canal Company	1,752
Alta Mesa Water Company	65
East Riverside Water Company	926
Riverside Highland Water Company	<u>1,173</u>
TOTAL	3,916

The service areas of the companies listed in Table D-5 were investigated. Field investigation was not completed during calendar year 2012.

The number of dwelling units connected to the City of Riverside wastewater disposal system and a discharge unit factor of 0.22 acre-feet per year per dwelling unit was used to determine the wastewater discharged to the river from the converted lands. These data have been summarized for the years 2007 through 2011 and are shown on Table No. 7.

TABLE NO. 7
 REDUCTION IN RETURN FLOW CONTRIBUTING TO BASE FLOW
 AT RIVERSIDE NARROWS
 RESULTING FROM CONVERSION OF AGRICULTURAL USES
 OF WATER TO DOMESTIC USES CONNECTED TO A SEWAGE SYSTEM
 DISCHARGING TO THE RIVER BELOW RIVERSIDE NARROWS
 (All Values in Acre-Feet)

Calendar Year	Gage Canal	Alta Mesa	East Riverside	Riverside Highland	Total
2007	257	38	284	0	579
2008	257	38	284	0	579
2009	257	38	284	0	579
2010	257	38	284	0	579
2011	257	38	284	0	579
TOTAL	1,285	190	1,420	0	2,895

Table No. 7 shows that in 2011 the reduction in return flow contributing to Base Flow at Riverside Narrows resulting from the conversion of land from agricultural use to urban uses in the Riverside Basin Area was 579 acre-feet. Western's obligation associated with the land use conversion and resulting replenishment requirements are shown on Table No. 16.

CHAPTER VII

**EXTRACTIONS FROM THE SAN BERNARDINO BASIN AREA,
COLTON BASIN AREA, AND RIVERSIDE BASIN AREA
FOR USE WITHIN WESTERN ON LANDS THAT ARE NOT
TRIBUTARY TO THE RIVERSIDE NARROWS**

CHAPTER VII

EXTRACTIONS FROM THE SAN BERNARDINO BASIN AREA, COLTON BASIN AREA AND RIVERSIDE BASIN AREA FOR USE WITHIN WESTERN ON LANDS THAT ARE NOT TRIBUTARY TO THE RIVERSIDE NARROWS

The extractions from the San Bernardino, Colton and Riverside Basin Areas which were delivered for use within Western on lands not tributary to the Riverside Narrows during calendar year 2011 were verified by the Watermaster to be 40,494 acre-feet. Said amount is summarized by entity on Table No. 8.

The detailed work sheets for this determination are contained in Report of Watermaster, Volume 6-2011, titled *Verified Extractions from the San Bernardino Basin Area, Colton Basin Area, and Riverside Basin Area for Use Within Western on Lands Not Tributary to the Riverside Narrows*.

2013 Annual Report Modification Table No. 8

During the period 1981 through 2004 agreements between Western and San Bernardino Valley were entered in all but four years to address the high groundwater problem in the San Bernardino Basin Area. It was agreed that there was an existing temporary surplus of natural groundwater supply in the Basin. Additional extractions were made available to Plaintiffs and users other than Plaintiffs in order to help mitigate the problem. The agreements also provided that the replenishment obligations in Judgment Paragraph X would not apply to such additional extractions.

Judgment Paragraph X provides that Western is obligated to provide an amount of replenishment equal to the lost return flow from the export of water extracted by users from within Western and delivered for use on lands not

tributary to the Riverside Narrows that is in excess of the amount exported in the base period 1959 through 1963. Such excess is referred to as new export.

Table No. 8 is an accounting of the total export by entities within Western. Report of Watermaster, Volume 6 (referenced above) is the source of detailed worksheets for this determination.

In the reports for calendar years 1982 through 2011 the deduction of additional extractions from the San Bernardino Basin Area pursuant to the high groundwater mitigation agreements has been made in Column 15 of Table No. 1A in Report of Watermaster, Volume 6. In 2013, Volume 6 has been modified by deleting the deduction in Table No. 1A and inserting the deduction in Annual Report Table No. 14. The new line in Table No. 14 is titled Additional New Export. This change was made to improve readability and understanding by causing Western's new export credit or obligation to be accounted for in a manner consistent with similar new export accounting for San Bernardino Valley.

In the reports for calendar years 1982 through 2011 the deduction of additional extractions pursuant to the high groundwater mitigation agreements by users other than Plaintiffs was accomplished through footnotes in Table No. 17. In order to make the table easier to read and understand, the data in the Table No. 17 footnotes were moved to Table No. 15A. The new line in Table No. 15A is also titled Additional New Export.

By eliminating the deduction of high groundwater agreement related additional extractions from Report of Watermaster, Volume 6, such extractions by Western users can now be deducted from total new export in Table No. 14 in the same way additional extractions by users other than Plaintiffs are deducted in Table No. 15A.

During the process of eliminating high groundwater related additional extractions from Report of Watermaster, Volume 6 and adding them to Table No.

14, it was discovered that not all of the additional extractions had been deducted in Volume 6. As a result, the total additional extractions deducted in Table No.14 are greater than the extractions deleted from Report of Watermaster, Volume 6.

In 2004 a Judgment Paragraph VI(b)6 additional extraction agreement between Western and San Bernardino Valley was entered that provided for the acquisition of imported water recharged in the San Bernardino Basin Area by Western for subsequent extraction by Western or Plaintiffs. That agreement also provided that the provisions of Judgment Paragraph X do not apply to such additional water.

In 2007, the City of Riverside extracted 2,459 acre-feet of the imported water replenished pursuant to the 2004 Judgment Paragraph VI(b)6 agreement. Prior to 2013, this additional extraction was also deducted from export in Column 15, Table 1A of Report of Watermaster, Volume 6. In 2013, this additional extraction has also been deleted from Volume 6 and inserted into Table No. 16 as a credit. The amount of credit is equal to 36 percent of the extraction or 885 acre-feet. In addition to return from imported water, Table No. 16 will also include return flow credit for new conservation water commencing in 2013.

TABLE NO. 8
 VERIFIED EXTRACTIONS FROM
 THE SAN BERNARDINO BASIN AREA,
 THE COLTON BASIN AREA, AND THE RIVERSIDE BASIN AREA
 FOR USE WITHIN WESTERN ON LANDS THAT ARE NOT TRIBUTARY
 TO THE RIVERSIDE NARROWS
 (All Values in Acre-Feet)

Entities Within WMWD	Annual 1959-63 Average	Calendar Years				
		2007 Verified Delivery	2008 Verified Delivery	2009 Verified Delivery	2010 Verified Delivery	2011 Verified Delivery
City of Riverside, including Irrigation Division water extracted by the Gage Canal Company and former Riverside Water Company	23,836	35,907	35,393	32,365	31,155	33,415
Meeks & Daley Water Company, Agua Mansa Water Company, and Temescal Water Company, including water received from City of Riverside	13,229	52	1,781	5,096	5,178	5,473
Extractions delivered by West Riverside Canal received from Twin Buttes Water Company, La Sierra Water Company, Agua Mansa Water Company, Salazar Water Company, West Riverside 350 Inch Water Company, and Jurupa Water Company	4,903	563	575	533	475	456
Jurupa Community Services District	531	0	0	0	0	0
Rubidoux Community Services District	36	708	512	821	1,083	1,150
TOTAL	42,535	37,230	38,261	38,815	37,891	40,494

Note: See Report of Watermaster, Volume 6, Table A.

CHAPTER VIII

**EXTRACTIONS FROM THE
SAN BERNARDINO BASIN AREA
FOR USE ON LANDS NOT WITHIN WESTERN
NOR TRIBUTARY TO THE RIVERSIDE NARROWS
AND FOR USE ON LANDS WITHIN
THE COLTON AND RIVERSIDE BASIN AREAS**

CHAPTER VIII

EXTRACTIONS FROM THE SAN BERNARDINO BASIN AREA FOR USE ON LANDS NOT WITHIN WESTERN NOR TRIBUTARY TO THE RIVERSIDE NARROWS AND FOR USE ON LANDS WITHIN THE COLTON AND RIVERSIDE BASIN AREAS

Deliveries to Chino Basin

Deliveries of extractions from the San Bernardino Basin Area to the Chino Basin in amounts greater than deliveries in the 1959-63 base period results in a loss of return flow to the San Bernardino Basin Area. The amount delivered in the base period was 11,701 acre feet.

The extractions from the San Bernardino Basin Area which were delivered for use on lands not within Western nor tributary to the Riverside Narrows, within the Chino Basin, during calendar year 2011 were verified by the Watermaster to be 34,865 acre-feet. Said amount is summarized by entity on Table No. 9A.

The detailed work sheets for this determination and for deliveries to areas other than Chino Basin and to the Colton and Riverside Basin Areas are contained in Report of Watermaster, Volume 7-2011, titled *Verified Extractions from the San Bernardino Basin Area for Use on Lands Not Within Western Nor Tributary to the Riverside Narrows and for Use on Lands Within the Colton and Riverside Basin Areas*.

Deliveries to Areas Other Than Chino Basin

The Judgment provides for replenishment by San Bernardino Valley to the extent exports are made from the San Bernardino Basin Area for use in the Yucaipa, San Timoteo, Oak Glen, and Beaumont Basins.

The results of the verification of the base period production from the San Bernardino Basin Area indicated that such exports were not made during the

1959-63 base period. The verification of production for the 2011 calendar year indicated that during 2011, no water was exported to the Yucaipa, San Timoteo, Oak Glen or Beaumont Basins. During calendar year 2008, San Bernardino Valley delivered 102 acre-feet of water from the San Bernardino Basin Area into The Metropolitan Water District of Southern California Inland Feeder Project during the startup testing of the Central Feeder Groundwater Banking/Conjunctive Use Project as shown on Table No. 9A.

Deliveries to Lands Within the Colton and Riverside Basin Areas

Deliveries of extractions from the San Bernardino Basin Area to the Colton and Riverside Basin Areas in amounts greater than deliveries in the 1959-63 base period also result in a loss of return flow to the San Bernardino Basin Area. The amount delivered in the base period was 17,837 acre feet.

The extractions from the San Bernardino Basin Area, which were delivered for use on lands within the Colton and Riverside Basin Areas during calendar year 2011, were verified by the Watermaster to be 21,772 acre-feet. Said amount is summarized by entity on Table No. 9B.

2013 Annual Report Modifications Table Nos. 9A and 9B and Volume 7

In 1992 the Court approved amendments to the Judgment that primarily addressed changes in the way calculations were made for export of extractions by users in San Bernardino County to areas not tributary to Riverside Narrows. Prior to 1992, the Judgment provided for replenishment of actual extractions in excess of the Adjusted Right pursuant to Paragraph VI(c). The Judgment also provided, in Paragraph X, for replenishment equal to the amount of extractions exported from the San Bernardino Basin Area to Chino Basin in excess of the amount exported in the base period 1959 through 1963. Such excess export is referred to as new export.

By 1990, it was apparent to Watermaster that the literal interpretation of Judgment Paragraphs VI(c) and X was resulting in a replenishment requirement greater than necessary to offset the loss of return flow to the San Bernardino Basin Area resulting from new export. This became an issue generally known as the “two-for-one” issue.

Considerable inquiry of those directly involved in the settlement was accomplished in an effort to determine if replenishment in excess of return flow loss was intentional. There was no evidence it was intentional. Nor was there any evidence anywhere else in the Judgment of a requirement to replenish amounts in excess of just the amount necessary to offset an adverse impact. In 1992, Watermaster began to refer to the necessity to offset adverse impacts with an equal amount of replenishment as maintenance of hydrologic integrity.

So, one of the 1992 amendments was to address the “two-for-one” issue. Two approaches were considered. The first consisted of amending Paragraph X to require replenishment equal to only the loss of return flow associated with the actual export (currently 36 percent). The second approach consisted of subtracting the new export from the total extractions before determining if extractions were greater than or less than the Adjusted Right. Both approaches resulted in the same determination of new export obligation and the obligation was equal to the adverse impact on groundwater storage of just the loss of return flow resulting from export. Hydrologic integrity of the basin was maintained with either approach.

The second approach referenced above consisting of subtracting new export from total extraction and treating all new export as an obligation was used to write the amendments. Corrections to the methodology used to calculate obligations related to new export were made in the August 1994 Watermaster

Annual Report. Corrections to all prior new export calculations were made back to 1971. The “two-for-one” issue was resolved.

Other amendments included in the 1992 Court order to preserve the hydrologic integrity of specific groundwater basins were:

- 1) Western’s obligation to replenish to offset exports by users within Western that exceeded the export in the base period was limited to just the amount necessary to offset the loss of return flow (currently 36 percent of new export). In 1994 changes to the calculation of Western’s new export credits or obligations were also made commencing in calendar year 1971 to reflect this amendment.
- 2) San Bernardino Valley’s obligation to replenish was changed to require separate accounting for the San Bernardino Basin Area (not including Colton Basin Area) in order to ensure hydrologic integrity of the basin. No modifications were made in 1994 to address this matter. Modifications to the 2013 Annual Report are pursuant to this 1992 amendment.
- 3) the addition of provisions that require replenishment in the Colton and Riverside Basins associated with new export from those basins to areas not tributary to the Riverside Narrows. Modifications necessary to make these determinations were not made in 1994 and have not been made as part of the 2013 modifications.

One of the purposes of this section in Chapter VIII is to describe the 2013 modifications in Report of Watermaster, Volume 7 and the resulting changes in Table Nos. 9A and 9B necessary to: 1) more accurately reflect the 1992 amendment described as amendment two above, and 2) preserve the hydrologic

integrity of the San Bernardino Basin Area, as such integrity is affected by return flow from applied water.

Watermaster Annual Reports prior to 2013 described export of extractions for use in San Bernardino County from San Bernardino Valley as the sum of:

- 1) export from San Bernardino Basin Area and Colton Basin Area combined for delivery in Chino Basin, and
- 2) export from San Bernardino Basin Area for delivery in Yucaipa, San Timoteo, Oak Glen and Beaumont Basins.

Pursuant to the amended Judgment and the objective of maintaining the hydrologic integrity of the San Bernardino Basin Area, the 2013 modified Annual Report describes delivery of extractions from the San Bernardino Basin Area for use in San Bernardino County as:

- 1) export from San Bernardino Basin Area only for delivery to Chino Basin (Table 9A),
- 2) export from San Bernardino Basin Area for delivery to Yucaipa, San Timoteo, Oak Glen and Beaumont Basin's, referred to as areas other than Chino Basin (Table No. 9A) and
- 3) delivery from San Bernardino Basin Area for delivery to Colton and Riverside Basin Areas (Table No. 9B).

The improvement in hydrologic integrity resulting from the 2013 modifications is demonstrated as follows:

- 1) by deleting the export from the Colton Basin Area to the Chino Basin from the determination of credits and obligations in the San Bernardino Basin Area, the obligations in the San Bernardino Basin Area are no longer overstated, and

- 2) conversely, by accounting for the deliveries from the San Bernardino Basin Area to the Colton and Riverside Basin Areas as the resulting loss of return flow to the San Bernardino Basin Area, the obligation in the San Bernardino Basin Area is not understated.

Therefore, the determination of the affects of new export to areas not tributary to the Riverside Narrows and new deliveries to the Colton and Riverside Basin Areas on storage in the San Bernardino Basin Area is more accurate.

The 2013 methodology used to determine export for delivery to Chino Basin from the San Bernardino Basin Area consists of 1) the continuation of prior practice of calculating the export from San Bernardino Basin Area and Colton Basin Area and, 2) the determination of the export from San Bernardino Basin Area to Chino Basin only, using data from 1) above and other required information. The results of this calculation are now shown in the modified Table No. 9A.

The modifications to the calculation of export described in this section also included a redetermination of the annual average export during the 1959 through 1963 base period. The methodology for such redetermination was the same as for calendar years 1971 through 2011. The base period average amount for delivery to the export areas for each entity is shown in the first column of Table No. 9A. Prior to modification the total base period average was 12,527 acre-feet. After modification, it decreased to 11,701 acre-feet, largely as a result of removing export from Colton Basin Area to areas not tributary to the Riverside Narrows.

The 2013 methodology used to determine deliveries to the Colton and Riverside Basin Areas is new. However, most of the necessary data is readily

available in Report of Watermaster, Volumes 1 and 7. The results are shown in Table No. 9B.

The modifications relating to deliveries to the Colton and Riverside Basin Areas in this section also included a determination of the annual average deliveries during the 1959 through 1963 base period. The base period average amount for delivery to the Colton and Riverside Basin Areas for each entity is shown in the first column of Table No. 9B. The total base period average is 17,837 acre-feet.

Report of Watermaster, Volume 7 has also been modified to include a new section that includes:

- 1) Table No. 14 showing deliveries of imported water (State Water Project) for recharge in each groundwater basin and deliveries for direct use inside and outside San Bernardino Basin Area.
- 2) Table No. 15 showing return flow from direct deliveries inside the San Bernardino Basin Area excluding direct deliveries of Big Bear Municipal Water District in-lieu deliveries.

The summation of these data has always been included in Table No. 17. However, the details shown in Section IV of Report of Watermaster, Volume 7 were not published. Diagram No. 1, Organization of the Annual Report shows the imported water direct delivery and replenishment data flowing from Volume 7 to Table No. 17.

TABLE NO. 9A

VERIFIED EXTRACTIONS FROM THE
SAN BERNARDINO BASIN AREA
FOR USE ON LANDS NOT WITHIN WESTERN
NOR TRIBUTARY TO RIVERSIDE NARROWS

(All Values in Acre-Feet)

Entities	Annual 1959-63 Average	Calendar Years				
		2007 Verified Delivery	2008 Verified Delivery	2009 Verified Delivery	2010 Verified Delivery	2011 Verified Delivery
Fontana Union Water Company *	10,170	19,083	20,389	15,177	19,421	30,694
West Valley Water District (formerly WSBCWD)	1,314	5,620	6,038	5,592	4,508	2,940
City of Rialto	217	975	1,340	1,272	1,388	1,231
Subtotal (Delivery to Chino Basin)	11,701	25,678	27,767	22,041	25,317	34,865
San Bernardino Valley Municipal Water District ¹	0	0	102	0	0	0
Subtotal (Delivery to areas other than Chino Basin)	0	0	102	0	0	0
TOTAL	11,701	25,678	27,869	22,041	25,317	34,865

**Fontana Water Company delivers water extracted from San Bernardino Basin Area and Colton Basin Area as Fontana Union Water Company. The Fontana Water Company water service area is located largely within Chino Basin. However, portions of the Fontana Water Company service area are within Colton Basin Area. Records of the deliveries within the Colton Basin Area are not available to the Watermaster.*

¹ Water diverted from Mill Creek and delivered to Yucaipa Basin and water pumped through Central Feeder Project into Inland Feeder Project.

Note: See Report of Watermaster, Volume 7, Table Nos. C & D.

TABLE NO. 9B
 VERIFIED EXTRACTIONS FROM THE
 SAN BERNARDINO BASIN AREA
 FOR USE ON LANDS WITHIN COLTON AND RIVERSIDE BASIN AREAS

Entities	Annual 1959-63 Average	(All Values in Acre-Feet)				
		Calendar Years				
		2007 Verified Delivery	2008 Verified Delivery	2009 Verified Delivery	2010 Verified Delivery	2011 Verified Delivery
Fontana Union Water Company	529 *	0	0	0	0	0
West Valley Water District (formerly WSBCWD)	11,172	8,701	10,463	9,692	5,909	7,385
City of Rialto	858	9,213	8,608	8,052	6,517	6,176
City of Colton	3,347	6,695	6,917	6,334	4,740	4,783
City of San Bernardino Elevated System	886	3,316	2,970	2,785	2,697	2,722
Terrace Water Company	1,045	882	813	788	701	706
TOTAL	17,837	28,807	29,771	27,651	20,564	21,772

**Fontana Water Company delivers water extracted from San Bernardino Basin Area and Colton Basin Area as Fontana Union Water Company. The Fontana Water Company water service area is located largely within Chino Basin. However, portions of the Fontana Water Company service area are within Colton Basin Area. Records of the deliveries within the Colton Basin Area are not available to the Watermaster.*

Note: See Report of Watermaster, Volume 7, Table Nos. E & F.

CHAPTER IX

ANNUAL ACCOUNTING OF EXTRACTIONS, DELIVERIES, AND REPLENISHMENT OBLIGATIONS

CHAPTER IX

ANNUAL ACCOUNTING OF EXTRACTIONS, DELIVERIES, AND REPLENISHMENT OBLIGATIONS

The Judgment requires the annual determination of extractions from the San Bernardino, Colton, and Riverside Basin Areas by Plaintiffs as well as Non-Plaintiffs, and further requires that a determination be made as to that portion of such extractions delivered to each of the service areas tributary to the Riverside Narrows as well as the deliveries to those areas not tributary to the Riverside Narrows. A comparison of the annual extractions and deliveries with the verified five-year base period amounts provides the basis for the annual accounting of replenishment obligations, if any, which accrue by reason of production or deliveries in excess of such amounts.

Plaintiff Extractions from San Bernardino Basin Area

The Judgment specifically defines the Adjusted Right of the City of Riverside, Riverside Highland Water Company, Agua Mansa Water Company & Meeks and Daley Water Company, and The Regents of The University of California to produce water from the San Bernardino Basin Area for use in three specific service areas. Commencing in 2013, the Adjusted Rights include a part of each Plaintiff's proportionate share of new conservation. These rights, expressed in terms of the five-year total allowable production and the maximum allowable production in any one year for each service area, are shown on Table Nos. 10 through 13. These tables show the extractions for use by the Plaintiffs in the specific service areas.

During the period 2007 through 2011, each Plaintiff's extractions and delivery of such extractions to specific service areas did not exceed the five-year

sum of the Adjusted Rights. Also, no Plaintiff exceeded the maximum allowable annual extraction for delivery to any service area in any year.

Non-Plaintiff Extractions from San Bernardino Basin Area

The Judgment provides that the Non-Plaintiffs as a group can produce a specific amount of water from the San Bernardino Basin Area without incurring an obligation to replenish the basin with imported water. During the period 2007 through 2011, the Non-Plaintiff extractions exceeded the Adjusted Right. (See Table No. 17)

Total Extraction from the San Bernardino Basin Area

A comparison of allowable extractions to actual extractions by Plaintiffs and Non-Plaintiffs for the period 2007 through 2011 is as follows:

	Allowable Extractions <u>2007-2011</u> (Acre-Feet)	Actual Extractions <u>2007-2011</u> (Acre-Feet)	Difference <u>2007-2011</u> (Acre-Feet)
Plaintiffs	324,310	284,517	(39,793)
Non- Plaintiffs	<u>836,190</u>	<u>914,288</u>	<u>78,098</u>
Total	1,160,500	1,198,805	38,305

Export to Areas Not Tributary to Riverside Narrows and Deliveries to Colton and Riverside Basin Areas

The Judgment limits the amount of water that can be extracted from the various basins, without replenishment, for use on lands that are not tributary to the Riverside Narrows. The amount delivered to the Colton and Riverside Basin Areas from the San Bernardino Basin Area, without replenishment, is also limited. Western and San Bernardino Valley are responsible for any obligation that may result from new exports to these areas in Riverside County and San Bernardino County, respectively.

Table Nos. 14 and 15A show the annual 1959-63 average export and actual export for use on lands in Riverside County and San Bernardino County not tributary to the Riverside Narrows. The high groundwater mitigation agreements regarding extraction of additional water provide that the Judgment Paragraph X provisions shall not apply to such additional water. Therefore, the additional water extracted by Plaintiffs and Non-Plaintiffs for export has been excluded from the determination of new export in the line titled Additional New Export on Table Nos. 14 and 15A.

Table No. 14 shows that during the period 1971 through 2011 the exports, excluding additional water, by entities within Western was 465,448 acre-feet less than the allowable export. Table No. 15A shows that exports, excluding additional new export, from San Bernardino Basin Area exceeded the allowable export for the period 1971 through 2011 by 279,195 acre-feet. Western's credit and the obligation of San Bernardino Valley resulting from this new export are shown on Table Nos. 16 and 17 respectively.

Table No 15B shows the annual 1959-63 average deliveries and actual deliveries for use on lands in Colton and Riverside Basin Areas. The table concludes that deliveries from the San Bernardino Basin Area to the Colton and Riverside Basin Areas during the period 1971 through 2011 exceeded the allowable deliveries for such period by 129,608 acre-feet. The San Bernardino Valley obligation resulting from these new deliveries is shown on Table No. 17.

Summary of Western Credits and Obligations

Table No. 16 summarizes Western credits and obligations in the Colton Basin Area, Riverside Basin Area in San Bernardino County and Riverside Basin Area in Riverside County. The table shows the Base Right for extraction from each Basin Area and the extractions from each Basin Area for the period 2007 through 2011. The aggregate amount of under extractions or excess extractions

resulting from such extractions are determined and included as either a credit or obligation along with other credits and obligations. The specific data inputs and logic used to determine each type of credit and obligation are described in subsection (3) of the section titled 2013 Annual Report Modification – Table Nos. 10 through 18. (See page 114)

The resulting net accumulated credit or obligation is the net accumulated credit or obligation from the period 1971 through 2006 plus the credit or obligation for each year of the five-year period 2007 through 2011 for the Colton Basin Area, Riverside Basin Area in San Bernardino County and the Riverside Basin Area in Riverside County. The Judgment provides for such accumulation of credits and obligations. In summary, Table No. 16 shows that Western's net accumulated credit in the Colton and Riverside basins through 2011 is 424,047 acre-feet.

Summary of San Bernardino Valley Credits and Obligations

Table No. 17 summarizes San Bernardino Valley credits and obligations in the San Bernardino Basin Area. The table shows the Adjusted Right for extraction and the actual extractions from the San Bernardino Basin Area by users in San Bernardino County for the period 2007 through 2011. The amount of under extractions or excess extractions resulting from such extractions are determined and included as either a credit or obligation along with other credits and obligations. The specific data inputs and logic used to determine each type of credit and obligation are described in subsection (3) of the section titled 2013 Annual Report Modifications – Table Nos. 10 through 18. (See page 114)

The resulting net accumulated credit or obligation is the net accumulated credit or obligation from the period 1971 through 2006 plus the credit or obligation for each year of the five-year period 2007 through 2011 for the San Bernardino Basin Area. The Judgment provides for such accumulation of credits

and obligations. In summary, Table No. 17 shows that San Bernardino Valley's net accumulated credit in the San Bernardino Basin Area through 2011 is 114,369 acre-feet.

San Bernardino Valley may also incur an obligation in the Colton and Riverside Basin Areas within San Bernardino County. Chapter V indicates that extractions in the Colton and Riverside Basin Areas for use in San Bernardino Valley are not limited provided that San Bernardino Valley maintains a specified minimum static water surface elevation in these basins. During the five-year period 2007 through 2011 the actual water surface elevation remained higher than the specified minimum. Therefore, San Bernardino Valley is not obligated to provide additional water for maintenance of these basins.

Annual Accounting of Additional Extractions

Judgment Paragraph VI(b)6 provides that agreements may be entered between Western and San Bernardino Valley under which additional extractions may be made from the San Bernardino Basin Area . Three types of such additional extraction agreements which are existing or may be entered in the future are:

- 1) Additional Extractions of High Groundwater (existing) – Additional extraction of native water from the San Bernardino Basin Area declared to be a temporary surplus and made available for extraction, without replenishment, as part of the high groundwater mitigation program.
- 2) Additional Extractions of Imported Water (existing) – Additional extraction of water from the San Bernardino Basin Area by Western or any Plaintiff, after transfer, of imported water acquired by Western and replenished.

- 3) Additional Extractions of New Conservation Water – Additional extraction of new conservation water from the San Bernardino Basin Area resulting from either prior year new conservation (existing) or future hydrologic events that yield large amounts of water that exceed the capacity to deliver and recharge water at the Santa Ana River spreading grounds (future).

Additional extractions of high groundwater were made in twenty years of the twenty-four year period 1981 through 2004. The accounting for such extractions and exports is accomplished in Table Nos. 2, 3, 14 and 15A as previously discussed.

The accounting for additional extractions of imported water and new conservation water from the San Bernardino Basin Area is accomplished in Table Nos. 17A and 17B, respectively. These tables use the same format for accounting for additional extractions as is used in Table No. 17 to account for extractions from the San Bernardino Basin Area by users within San Bernardino County.

The significant difference between Table No. 17 and Table Nos. 17A and 17B is that Table No. 17 is used to determine the amount of replenishment, if any, by San Bernardino Valley required to protect the rights of Plaintiffs against adverse effects of excess extractions by other than Plaintiffs. Whereas, Table Nos. 17A and 17B are used to primarily determine, in any year, the remaining amount of any available additional extractions resulting from the replenishment of imported water or new conservation made available pursuant to Judgment Paragraph VI(b)6 agreements.

Table No. 17A, Imported Water

Additional extractions of imported water are available pursuant to Western's 2004 Paragraph VI(b)6 agreement. Western made an initial

acquisition of imported water in 2004 and has acquired water twice since then. Table No. 17A shows that 2,459 acre-feet was extracted by Riverside pursuant to a transfer in 2007. In 2011, the amount of additional extractions available for extraction by Western or transfer to a Plaintiff for extraction is 6,000 acre-feet.

Table Nos. 17B-1 through 17B-5, New Conservation Water

Additional extractions of new conservation water are available to Plaintiffs and San Bernardino Valley pursuant to the 2013 Paragraph VI(b)6 agreement regarding prior years new conservation. The New Conservation Allocations shown on Table Nos. 17B-1 through 17B-5 are the amounts determined by Watermaster to have resulted from operation of Seven Oaks Reservoir during the period 1998 through 2012.

Any amounts of future new conservation determined by Watermaster to have resulted from the diversion of water conserved at Seven Oaks in addition to the amounts added to the Safe Yield Adjusted Rights in Table Nos. 2 and 3A-1 through 3D-1 will likely be made available to Plaintiffs and San Bernardino Valley following the hydrologic event that caused such conservation and will be included in the tables as New Conservation Allocation. There is a separate additional extraction table for each Plaintiff and San Bernardino Valley.

The amounts of additional extractions available for each Party are shown as Net Accumulated (Credit) for 2013 on Table Nos. 17B-1 through 17B-5 and are equal to the amounts shown in the first data column of the table on page 32.

Summary of Compliance

Table No. 18 addresses four basic questions regarding compliance with four general provisions of the Judgment. The first two provisions relate to the rights and obligations in the San Bernardino Basin Area. The last two provisions

relate to obligations in the area between Bunker Hill Dike and the Riverside Narrows. The four general provisions are as follows:

- 1) The Judgment establishes water rights for Plaintiffs in the San Bernardino Basin Area and enjoins them from extracting from the Basin amounts greater than such right. So, the first question addressed in Table No. 18 is: "Did any Plaintiff's extractions from the San Bernardino Basin Area for delivery to any service area exceed the maximum allowable?" Table No. 18 indicates that Plaintiff extractions from the Basin for delivery to any service area are less than the maximum allowable in 2011 and for the five-year period 2007 through 2011.
- 2) The Judgment provides users other than Plaintiffs the ability to extract unlimited amounts from the San Bernardino Basin Area and the freedom to manage the basin as they choose provided San Bernardino Valley replenishes the basin to offset any accumulated obligations determined pursuant to provisions of the Judgment. So, the second question addressed in Table No. 18 is: "Is San Bernardino Valley required to replenish the San Bernardino Basin Area?" Table No. 18 indicates that such replenishment is not required and that the amount of San Bernardino Valley credit that can be used to offset future obligations is 114,369 acre-feet in 2011.
- 3) Pursuant to the Orange County Judgment, San Bernardino Valley is obligated to deliver a specified amount of Base Flow in the Santa Ana River at Riverside Narrows. Extractions by users within Western between the Bunker Hill Dike and Riverside Narrows and other water management related

activities within Western can adversely affect San Bernardino Valley's ability to meet its obligation at Riverside Narrows. The Judgment requires Western to replenish between the Bunker Hill Dike and Riverside Narrows in amounts necessary to offset any accumulated obligations determined pursuant to provisions of the Judgment, to ensure that San Bernardino Valley is not adversely affected by users within Western. So, the third question addressed in Table No. 18 is: "Is Western required to provide replenishment between the Bunker Hill Dike and Riverside Narrows?" Table No. 18 indicates that replenishment is not required and that the amount of Western credit that can be used to offset future obligations is 424,047 acre-feet in 2011.

- 4) Finally the Judgment provides San Bernardino Valley users in the Colton Basin Area and Riverside Basin Area in San Bernardino County the ability to extract unlimited amounts from those basins and the freedom to manage those basins and the San Bernardino Basin Area as they choose provided San Bernardino Valley replenishes the area below the Bunker Hill Dike sufficiently to maintain a prescribed average water level in three specific wells. So, the fourth question is: "Does San Bernardino need to provide replenishment to maintain water levels downstream of the Bunker Hill Dike?" Table No. 18 indicates that such replenishment is not required and that for 2012 the average water level was 13.85 feet above the required minimum average level of 822.04 feet.

2013 Annual Report Modifications Table Nos. 10 through 18

Tables Nos. 10 through 18 are summary tables. As a result, the prior year data in all these tables is affected by the modifications discussed in Chapter III, Chapter VII and Chapter VIII. In addition to these data changes, the logic and layout of Table Nos. 10 through 18 have been changed to improve the readability, accuracy and usefulness of the report. The following subsections summarize the 2013 modifications to these tables:

1) Table Nos. 10 through 13

Table Nos. 10 through 13 are used to address the first basic compliance question on Table No 18. The question is: “Did Extractions by Plaintiffs from the San Bernardino Basin Area for delivery to any service area exceed the maximum allowable?” There are thirty-two maximum allowable extraction or delivery amounts. Sixteen of them represent the maximum allowable in any year. The other sixteen represent the maximum allowable in any five-year period. (Sixteen equals four Plaintiffs times the total extraction plus three delivery areas.)

The modifications to Table Nos. 10 through 13 are relatively minor and do not affect the conclusions made in prior Annual Reports regarding Plaintiff compliance with provisions of the Judgment. However, the changes make the tables easier to read and understand.

As noted previously, any additional extractions made available pursuant to Judgment Paragraph VI(b)6 agreements need to be deducted from total extractions before determining compliance. Prior to 2013 the annual data in Table Nos. 10 through 13 included such additional extraction and the five-year data excluded it. The amounts of extraction included and excluded were incorporated in numerous footnotes. The tables were very confusing and difficult to understand and use.

The data related to additional extractions has been deleted from the footnotes on Table Nos. 10 through 13. Footnotes are still necessary; but, only for the purpose of documenting the specific Paragraph VI(b)6 agreement that provides for exclusion of additional extractions from the determination of compliance.

The additional extractions are now included in columns on Table Nos. 3A-2 through 3D-2 in Chapter III. In these tables the additional extractions are subtracted from total extractions and the result is shown as extractions. These extraction amounts, excluding additional extractions, are used to generate compliance Table Nos. 10 through 13.

2) Table Nos. 14, 15A and 15B

Table Nos. 14 and 15A are used to determine new export by Western and San Bernardino respectively. The determination is made by first subtracting the annual 1959-63 average export from the current year actual export. That amount is referred to as Total New Export. Then, the additional extractions made available to Plaintiffs and San Bernardino Valley pursuant to the high groundwater mitigation Paragraph VI(b)6 agreements is subtracted from Total New Export. The resulting determination of New Export is used in determining credit or obligation for Western and San Bernardino Valley in Table Nos. 16 and 17.

Prior to 2013, the additional new export now shown in Table No. 14 was subtracted from export in Table 1A of Report of Watermaster, Volume 6 as described in Chapter VII. The additional new exports now shown in Table No. 15A was previously subtracted from new export in Table No. 17 and documented using footnotes that included the specific amounts of such additional new exports.

The deduction of additional new exports related to high groundwater mitigation from new export is now more clearly shown in Table Nos. 14 and 15A. Only additional new export associated with the high groundwater mitigation program is deducted in Table Nos. 14 and 15A.

Table No. 15B is used to determine new deliveries by users in San Bernardino County to lands within the Colton and Riverside Basin Areas. The determination is made by first subtracting the annual 1959-63 average deliveries from the current year actual deliveries to determine Total New Deliveries. Then, pursuant to the high groundwater mitigation Paragraph VI(b)6 agreements, the allowable amounts of Additional New Deliveries are subtracted from Total New Deliveries to determine New Deliveries for ultimate use in determining credit or obligation for San Bernardino Valley in Table No. 17.

3) Table Nos. 16 and 17

Table Nos. 16 and 17 are used to address the second and third basic compliance questions. Table No. 17 addresses the question: “Is San Bernardino Valley required to replenish the San Bernardino Basin Area?” Table No. 16 addresses the same question regarding Western’s obligation to replenish the Colton and Riverside basins.

Table Nos. 16 and 17 are very important and very complex. Each table is the culmination of an extensive series of calculations that are complex largely because of the necessity to track return flow from applied natural safe yield water, imported water and new conservation.

Diagram No. 1, Organization of Annual Report on page 23 shows that the ultimate source of data for Table No. 16 is Report of Watermaster, Volumes 2 through 6. The data inputs are:

- a) extractions from the Colton and Riverside Basin Areas by users within Western

- b) new export resulting from delivery of extractions from all basins by Western users to areas not tributary to Riverside Narrows
- c) increase in return flow from delivery of imported water by users in Western, including Western's imported water recharged and extracted from the San Bernardino Basin Area
- d) decrease in return flow resulting from conversion of land use from agriculture to urban in a specified area within Western
- e) replenishment of imported water
- f) return from use of new conservation water extracted by Plaintiffs

Table No. 16 shows the amount of credit or obligation resulting from each of these input activities in terms of how each transfer of water associated with each activity affects storage in the groundwater basins between Bunker Hill Dike and Riverside Narrows and thereby partially affects Base Flow at the Riverside Narrows. A credit indicates a potential increase in storage or Base Flow and an obligation indicates a potential decline in storage or Base Flow. A net accumulated obligation indicates that Western may be required to replenish the basins with imported water, subject to certain specific Judgment provisions.

The ultimate source of data inputs for Table No. 17 is Report of Watermaster, Volumes 1 and 7. The data inputs are:

- a) extractions from the San Bernardino Basin Area by users other than Plaintiffs,
- b) new export resulting from delivery of extractions from the San Bernardino Basin Area by users from within San Bernardino County to areas not tributary to the Riverside Narrows,

- c) new deliveries resulting from deliveries of extractions from the San Bernardino Basin Area by users from within San Bernardino County to the Colton and Riverside Basin Areas,
- d) return flow resulting from direct delivery of imported water by users in the San Bernardino Valley,
- e) replenishment of imported water, and
- f) return from use of new conservation water extracted by users within San Bernardino Valley

Table No. 17 shows the amounts of credit or obligation associated with each activity similar to that described for Table No. 16. A net accumulated obligation in Table No. 17 indicates a requirement for San Bernardino Valley to provide replenishment.

The 2013 modifications to Table Nos. 16 and 17 are numerous. Because the tables are the culmination of data from many other tables, most of the modifications in other parts of the report affect these tables. So, the credits, obligations and net accumulated credit data are different for prior years. These data are also different as a result in changes in the logic used to generate the tables.

During preparation of the calendar year 2011 Annual Report filed with the Court in August 2012, Watermaster became concerned about the logic used in Table Nos. 16 and 17. As a result these tables were incomplete and a commitment was made to resolve the concern. The 2013 modifications include a resolution of the concern referenced in the August 2012 report.

The logic issue stems from uncertainty regarding the definition of a credit or obligation in Table Nos. 16 and 17. A credit or obligation can be defined in two ways. First, an amount of credit or obligation may be defined as the amount

of under extraction (actual extraction less than allowable) or excess extraction (actual extraction greater than allowable). Second, a credit or obligation may be equal to the amount by which storage in the basin changes (positively or negatively) as a result of activity represented by the line of data in the table.

After thorough analysis, it has been determined that prior to the 2013 modifications some of the activities in Table Nos. 16 and 17 were based on the first definition and others on the second. The calculations related to excess extractions and under extractions were made using the first definition. All other determinations were made on the basis of the second definition.

The difference between results using the two definitions can be significant where use of the extraction is in the overlying basin and there is return flow to the basin. For example, if there is excess pumping of 15,000 acre-feet, one-third of the excess extraction or 5,000 acre-feet may return to the basin resulting in a loss of storage of only 10,000 acre-feet. Conversely, if an under extraction of the same amount occurs, the basin storage only increases by 10,000 acre-feet because failure to pump the 15,000 acre-feet results in a loss of return flow of 5,000 acre-feet.

Watermaster recognized the need for consistent definition and chose the second definition largely because determinations based on how water transfers affect storage in the San Bernardino Basin Area would enable comparisons between Watermaster calculation of change in groundwater storage based on average hydrology (safe yield) to calculations of actual change in storage based on change in water level resulting from real hydrology. Therefore, Table Nos. 16 and 17 have been modified to cause all determinations for all water transfers or activities to be equal to the amount by which storage in the basin or Base Flow at the Riverside Narrows is partially affected by the activity.

Extractions from the Colton and Riverside Basin Areas by users within San Bernardino Valley are not included in Table 16. Such extractions also potentially affect storage or Base Flow at the Riverside Narrows. Therefore, extractions by users within Western are not the only factor affecting storage and Base Flow and are only partially responsible for any change in storage or Base Flow at Riverside Narrows.

In addition to the logic changes necessary to be consistent in defining credits and obligations, several other modifications to Table Nos. 16 and 17 were made as follows:

Table No. 16

- a) Based on the Judgment provision that allows under extractions in one basin to offset excess extractions in another basin, the Base Rights and extractions for the Colton Basin Area, Riverside North Basin Area and Riverside South Basin Area have been consolidated into Total Base Right and Total Extractions. Since 1992 accounting for each basin has been separate and, as a result, there was no mechanism within the tables to address excess extractions by using under extractions in an adjacent basin.
- b) New Export is subtracted from Total Extractions before determining if there are excess extractions or under extractions pursuant to the amended Judgment Paragraph VI(c)3. This prevents the “two-for-one” issue from recurring.
- c) The full amount of new export is shown as an obligation pursuant to Judgment Paragraph X.

- d) Return from Excess Extractions and Return from Under Extractions are included as credits and obligations in order to determine the partial effect of excess extractions and under extractions on Base Flow at the Riverside Narrows.
- e) New Export credits and obligations from Table No. 14 have been added to Table No. 16 so that the net accumulated credit includes all credits available to offset excess extractions. In prior Annual Reports it was necessary to add the credits in Table No. 14 to the credits in Table No. 16 to determine total credits.
- f) A line has been added to enter amounts of replenishment of imported water. None has been replenished to date but could be in the future.
- g) A line has been added to enter return from new conservation. Like imported water, the return flow from new conservation is not a component of the natural yield and therefore is available for extraction. Adding the return component (36 percent) as a credit makes it available for use without replenishment.

Table No. 17

- a) Table No. 17 has all of the modifications listed for Table No. 16 except a, e and f. The (a) modification is not necessary because there is no consolidation of basins. The (e) modification is not necessary because new export credits and obligations have always been included in Table No. 17. The (f) modification is also not necessary because replenishment amounts have always been included in the table.

- b) Table 17 also has additional modifications to account for new deliveries of extractions from San Bernardino Basin Area to the Colton and Riverside Basin Areas.

4) Table No. 18

The original intent of Table No. 18 in the Annual Report for calendar year 1976 was: 1) to show whether or not Plaintiffs had exceeded their rights to extract from the San Bernardino Basin Area, and 2) to show the amount of replenishment required by Western and San Bernardino Valley.

Since an Appellate Court found the entire watershed to be in overdraft prior to settlement in 1969, the expectation at the time was that replenishment water would be required routinely. That has not proven to be the case. In fact, neither district has ever been required to provide replenishment. Plaintiffs have also incurred very few violations. Out of a potential for over 1,200 possible violations (41 years times 32 potential violations per year) less than 10 have occurred.

In the years following 1976, Table No. 18 evolved into a much more detailed statement of credits and obligations for individual basins. Recently the table did not reflect the ability for under extractions to offset excess extractions by users within Western in the Colton and Riverside Basin Areas. The table implied that there could be a need for replenishment where none is required. Hence, during preparation of this Annual Report, Watermaster concluded that Table No. 18 was no longer an effective means of summarizing compliance with the general provisions of the Judgment as it was in 1976.

After considerable experimentation and review of alternative Table No. 18 designs, Watermaster selected a new design that is very consistent with the original intent in 1976. The resulting modified Table No. 18 is designed to

directly address and only address, in a concise, accurate and easy to understand manner, the four basic questions regarding compliance with four general provisions of the Judgment. The modified Table No. 18, including the responses to the four basic questions for calendar year 2012, are described in the Summary of Compliance on page 109.

TABLE NO. 10
 ANNUAL ACCOUNTING OF EXTRACTIONS BY THE CITY OF RIVERSIDE
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 (Including those rights acquired as successor to the
 Riverside Water Company and the Gage Canal Company)
 ANNUAL TOTALS
 (All Values in Acre-Feet)

Calendar Year	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted Right 1	Maximum Allowable 2	Extractions 3	Adjusted Right 4	Maximum Allowable 2	Deliveries 3	Adjusted Right 4	Maximum Allowable 2	Deliveries 3	Adjusted Right 1	Maximum Allowable 2	Deliveries 3
1971	53,448	69,482	53,882	1,462	1,901	98	1,260	1,638	669	50,726	65,944	53,115
1972	52,199	67,859	45,694	1,427	1,855	85	1,230	1,599	547	49,542	64,405	45,062
1973	52,199	67,859	43,022	1,427	1,855	156	1,230	1,599	512	49,542	64,405	42,354
1974	52,199	67,859	43,367	1,427	1,855	0	1,230	1,599	550	49,542	64,405	42,817
1975	52,199	67,859	47,962	1,427	1,855	0	1,230	1,599	498	49,542	64,405	47,464
1976	52,199	67,859	51,374	1,427	1,855	0	1,230	1,599	523	49,542	64,405	50,851
1977	52,199	67,859	50,999	1,427	1,855	0	1,230	1,599	346	49,542	64,405	50,653
1978	52,199	67,859	45,384	1,427	1,855	646	1,230	1,599	301	49,542	64,405	44,437
1979	52,199	67,859	52,377	1,427	1,855	0	1,230	1,599	415	49,542	64,405	51,962
1980	52,199	67,859	50,756	1,427	1,855	383	1,230	1,599	0	49,542	64,405	50,373
1981	52,199	67,859	51,009	1,427	1,855	724	1,230	1,599	0	49,542	64,405	50,285
1982	52,199	67,859	49,599	1,427	1,855	162	1,230	1,599	0	49,542	64,405	49,437
1983	52,199	67,859	45,988	1,427	1,855	335	1,230	1,599	0	49,542	64,405	45,653
1984	52,199	67,859	49,574	1,427	1,855	32	1,230	1,599	0	49,542	64,405	49,542
1985	52,199	67,859	49,601	1,427	1,855	59	1,230	1,599	0	49,542	64,405	49,542
1986	52,199	67,859	49,979	1,427	1,855	437	1,230	1,599	0	49,542	64,405	49,542
1987	52,199	67,859	49,876	1,427	1,855	334	1,230	1,599	0	49,542	64,405	49,542
1988	52,199	67,859	50,311	1,427	1,855	815	1,230	1,599	0	49,542	64,405	49,496
1989	52,199	67,859	50,784	1,427	1,855	28	1,230	1,599	0	49,542	64,405	50,756
1990	52,199	67,859	47,637	1,427	1,855	19	1,230	1,599	0	49,542	64,405	47,618

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TABLE NO. 10
 ANNUAL ACCOUNTING OF EXTRactions BY THE CITY OF RIVERSIDE
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 (Including those rights acquired as successor to the
 Riverside Water Company and the Gage Canal Company)
 ANNUAL TOTALS
 (All Values in Acre-Feet)

Calendar Year	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted Right ¹	Maximum Allowable ²	Extractions ³	Adjusted Right ⁴	Maximum Allowable ²	Deliveries ³	Adjusted Right ⁴	Maximum Allowable ²	Deliveries ³	Adjusted Right ¹	Maximum Allowable ²	Deliveries ³
1991	52,199	67,859	49,697	1,427	1,855	155	1,230	1,599	0	49,542	64,405	49,542
1992	52,199	67,859	43,062	1,427	1,855	203	1,230	1,599	0	49,542	64,405	42,859
1993	52,199	67,859	44,962	1,427	1,855	-108	1,230	1,599	0	49,542	64,405	42,305
1994	52,199	67,859	51,340	1,427	1,855	46	1,230	1,599	0	49,542	64,405	49,542
1995	52,199	67,859	49,593	1,427	1,855	99	1,230	1,599	0	49,542	64,405	46,936
1996	52,199	67,859	54,992	1,427	1,855	278	1,230	1,599	0	49,542	64,405	52,335
1997	52,199	67,859	52,443	1,427	1,855	494	1,230	1,599	0	49,542	64,405	49,786
1998	52,199	67,859	47,746	1,427	1,855	0	1,230	1,599	0	49,542	64,405	47,746
1999	52,199	67,859	52,199	1,427	1,855	181	1,230	1,599	0	49,542	64,405	49,542
2000	52,199	67,859	52,199	1,427	1,855	117	1,230	1,599	0	49,542	64,405	49,542
2001	52,199	67,859	52,199	1,427	1,855	229	1,230	1,599	0	49,542	64,405	49,542
2002	52,199	67,859	52,199	1,427	1,855	172	1,230	1,599	0	49,542	64,405	49,542
2003	52,199	67,859	54,514	1,427	1,855	10	1,230	1,599	0	49,542	64,405	54,504
2004	52,199	67,859	52,199	1,427	1,855	0	1,230	1,599	0	49,542	64,405	49,542
2005	52,199	67,859	44,696	1,427	1,855	13	1,230	1,599	0	49,542	64,405	44,683
2006	52,199	67,859	49,444	1,427	1,855	30	1,230	1,599	0	49,542	64,405	49,414
2007	52,199	67,859	49,559	1,427	1,855	39	1,230	1,599	0	49,542	64,405	49,520
2008	52,199	67,859	53,581	1,427	1,855	70	1,230	1,599	0	49,542	64,405	53,511
2009	52,199	67,859	43,061	1,427	1,855	121	1,230	1,599	0	49,542	64,405	42,940
2010	52,199	67,859	45,713	1,427	1,855	80	1,230	1,599	0	49,542	64,405	45,633

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TABLE NO. 10
 ANNUAL ACCOUNTING OF EXTRACTIONS BY THE CITY OF RIVERSIDE
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 (Including those rights acquired as successor to the
 Riverside Water Company and the Gage Canal Company)
 ANNUAL TOTALS
 (All Values in Acre-Feet)

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Calendar Year	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted Right ¹	Maximum Allowable ²	Extractions ³	Adjusted Right ⁴	Maximum Allowable ²	Deliveries ³	Adjusted Right ⁴	Maximum Allowable ²	Deliveries ³	Adjusted Right ¹	Maximum Allowable ²	Deliveries ³
2011	52,199	67,859	46,488	1,427	1,855	72	1,230	1,599	0	49,542	64,405	46,416
2012	52,199	67,859		1,427	1,855		1,230	1,599		49,542	64,405	
2013	53,918	70,093		1,427	1,855		1,230	1,599		51,261	66,639	
2014	53,918	70,093		1,427	1,855		1,230	1,599		51,261	66,639	
2015	53,918	70,093		1,427	1,855		1,230	1,599		51,261	66,639	
2016	53,918	70,093		1,427	1,855		1,230	1,599		51,261	66,639	
2017	53,918	70,093		1,427	1,855		1,230	1,599		51,261	66,639	
2018	53,918	70,093		1,427	1,855		1,230	1,599		51,261	66,639	
2019	53,918	70,093		1,427	1,855		1,230	1,599		51,261	66,639	
2020	53,918	70,093		1,427	1,855		1,230	1,599		51,261	66,639	

See Report of Watermaster, Tables 3A-1 and 3A-2

¹ Adjusted Right equals Safe Yield Adjusted Right plus New Conservation Allocation.

² Maximum Allowable for any one year, not to exceed 130% of Adjusted Right.

³ Extractions and Deliveries from Table No. 3A-2.

⁴ New Conservation Allocation may also be used in the San Bernardino Basin Area, or the Colton Basin Area and Riverside Basin Area in San Bernardino County.

Note: Annual Accounting of Extractions as required in Paragraphs V and VI of the Judgment.

TABLE NO. 10
ANNUAL ACCOUNTING OF EXTRactions BY THE CITY OF RIVERSIDE
FROM THE SAN BERNARDINO BASIN AREA
FOR DELIVERY TO EACH SERVICE AREA
(Including those rights acquired as successor to the
Riverside Water Company and the Gage Canal Company)
FIVE-YEAR TOTALS
(All Values in Acre-Feet)

Five-Year Period	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted Right 1	Maximum Allowable 2	Extractions 3	Adjusted Right 4	Maximum Allowable 2	Deliveries 3	Adjusted Right 4	Maximum Allowable 2	Deliveries 3	Adjusted Right 1	Maximum Allowable 2	Deliveries 3
1971-75	262,244	262,244	233,927	7,170	7,170	339	6,180	6,180	2,776	248,894	248,894	230,812
1972-76	260,995	260,995	231,419	7,135	7,135	241	6,150	6,150	2,630	247,710	247,710	228,548
1973-77	260,995	260,995	236,724	7,135	7,135	156	6,150	6,150	2,429	247,710	247,710	234,139
1974-78	260,995	260,995	239,086	7,135	7,135	646	6,150	6,150	2,218	247,710	247,710	236,222
1975-79	260,995	260,995	248,096	7,135	7,135	646	6,150	6,150	2,083	247,710	247,710	245,367
1976-80	260,995	260,995	250,890	7,135	7,135	1,029	6,150	6,150	1,585	247,710	247,710	248,276
1977-81	260,995	260,995	250,525	7,135	7,135	1,753	6,150	6,150	1,062	247,710	247,710	247,710
1978-82	260,995	260,995	249,125	7,135	7,135	1,915	6,150	6,150	716	247,710	247,710	246,494
1979-83	260,995	260,995	249,729	7,135	7,135	1,604	6,150	6,150	415	247,710	247,710	247,710
1980-84	260,995	260,995	246,926	7,135	7,135	1,636	6,150	6,150	0	247,710	247,710	245,290
1981-85	260,995	260,995	245,771	7,135	7,135	1,312	6,150	6,150	0	247,710	247,710	244,459
1982-86	260,995	260,995	244,741	7,135	7,135	1,025	6,150	6,150	0	247,710	247,710	243,716
1983-87	260,995	260,995	245,018	7,135	7,135	1,197	6,150	6,150	0	247,710	247,710	243,821
1984-88	260,995	260,995	249,341	7,135	7,135	1,677	6,150	6,150	0	247,710	247,710	247,664
1985-89	260,995	260,995	250,551	7,135	7,135	1,673	6,150	6,150	0	247,710	247,710	248,878
1986-90	260,995	260,995	248,587	7,135	7,135	1,633	6,150	6,150	0	247,710	247,710	246,954
1987-91	260,995	260,995	248,305	7,135	7,135	1,351	6,150	6,150	0	247,710	247,710	246,954
1988-92	260,995	260,995	241,491	7,135	7,135	1,220	6,150	6,150	0	247,710	247,710	240,271
1989-93	260,995	260,995	236,142	7,135	7,135	297	6,150	6,150	0	247,710	247,710	233,080
1990-94	260,995	260,995	236,698	7,135	7,135	315	6,150	6,150	0	247,710	247,710	231,866

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TABLE NO. 10
 ANNUAL ACCOUNTING OF EXTRACTIONS BY THE CITY OF RIVERSIDE
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 (Including those rights acquired as successor to the
 Riverside Water Company and the Gage Canal Company)
 FIVE-YEAR TOTALS
 (All Values in Acre-Feet)

Five-Year Period	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted Right 1	Maximum Allowable 2	Extractions 3	Adjusted Right 4	Maximum Allowable 2	Deliveries 3	Adjusted Right 4	Maximum Allowable 2	Deliveries 3	Adjusted Right 1	Maximum Allowable 2	Deliveries 3
1991-95	260,995	260,995	238,654	7,135	7,135	395	6,150	6,150	0	247,710	247,710	231,184
1992-96	260,995	260,995	243,949	7,135	7,135	518	6,150	6,150	0	247,710	247,710	233,977
1993-97	260,995	260,995	253,330	7,135	7,135	809	6,150	6,150	0	247,710	247,710	240,904
1994-98	260,995	260,995	256,114	7,135	7,135	917	6,150	6,150	0	247,710	247,710	246,345
1995-99	260,995	260,995	256,973	7,135	7,135	1,052	6,150	6,150	0	247,710	247,710	246,345
1996-00	260,995	260,995	259,579	7,135	7,135	1,070	6,150	6,150	0	247,710	247,710	248,951
1997-01	260,995	260,995	256,786	7,135	7,135	1,021	6,150	6,150	0	247,710	247,710	246,158
1998-02	260,995	260,995	256,542	7,135	7,135	699	6,150	6,150	0	247,710	247,710	245,914
1999-03	260,995	260,995	263,310	7,135	7,135	709	6,150	6,150	0	247,710	247,710	252,672
2000-04	260,995	260,995	263,310	7,135	7,135	528	6,150	6,150	0	247,710	247,710	252,672
2001-05	260,995	260,995	255,807	7,135	7,135	424	6,150	6,150	0	247,710	247,710	247,813
2002-06	260,995	260,995	253,052	7,135	7,135	225	6,150	6,150	0	247,710	247,710	247,685
2003-07	260,995	260,995	250,412	7,135	7,135	92	6,150	6,150	0	247,710	247,710	247,663
2004-08	260,995	260,995	249,479	7,135	7,135	152	6,150	6,150	0	247,710	247,710	246,670
2005-09	260,995	260,995	240,341	7,135	7,135	273	6,150	6,150	0	247,710	247,710	240,068
2006-10	260,995	260,995	241,358	7,135	7,135	340	6,150	6,150	0	247,710	247,710	241,018
2007-11	260,995	260,995	238,402	7,135	7,135	382	6,150	6,150	0	247,710	247,710	238,020
2008-12	260,995	260,995		7,135	7,135		6,150	6,150		247,710	247,710	
2009-13	262,714	262,714		7,135	7,135		6,150	6,150		249,429	249,429	
2010-14	264,433	264,433		7,135	7,135		6,150	6,150		251,148	251,148	

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TABLE NO. 10
 ANNUAL ACCOUNTING OF EXTRACTIONS BY THE CITY OF RIVERSIDE
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 (Including those rights acquired as successor to the
 Riverside Water Company and the Gage Canal Company)
 FIVE-YEAR TOTALS
 (All Values in Acre-Feet)

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Five-Year Period	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted Right ¹	Maximum Allowable ²	Extractions ³	Adjusted Right ⁴	Maximum Allowable ²	Deliveries ³	Adjusted Right ⁴	Maximum Allowable ²	Deliveries ³	Adjusted Right ¹	Maximum Allowable ²	Deliveries ³
2011-15	266,152	266,152		7,135	7,135		6,150	6,150		252,867	252,867	
2012-16	267,871	267,871		7,135	7,135		6,150	6,150		254,586	254,586	
2013-17	269,590	269,590		7,135	7,135		6,150	6,150		256,305	256,305	
2014-18	269,590	269,590		7,135	7,135		6,150	6,150		256,305	256,305	
2015-19	269,590	269,590		7,135	7,135		6,150	6,150		256,305	256,305	
2016-20	269,590	269,590		7,135	7,135		6,150	6,150		256,305	256,305	
Excess Extractions												
2007-11		(22,593) *			(6,753) *			(6,150) *			(9,690) *	

* Parentheses indicate that Extractions and Deliveries are less than Adjusted Right.

- 1 Adjusted Right equals Safe Yield Adjusted Right plus New Conservation Allocation.
- 2 Maximum allowable for the five-year period is the same as the five-year-period Adjusted Right.
- 3 Extractions and Deliveries from Table No. 3A-2.
- 4 New Conservation Allocation may also be used in the San Bernardino Basin Area, or the Colton Basin Area and Riverside Basin Area in San Bernardino County.

TABLE NO. 11
 ANNUAL ACCOUNTING OF EXTRactions BY RIVERSIDE HIGHLAND WATER COMPANY
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 ANNUAL TOTALS

(All Values in Acre-Feet)

Calendar Year	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted	Maximum	Extractions ³	Adjusted	Maximum	Deliveries ³	Adjusted	Maximum	Deliveries ³	Adjusted	Maximum	Deliveries ³
	Right ¹	Allowable ²		Right ⁴	Allowable ²		Right ⁴	Allowable ²		Right ¹	Allowable ²	
1971	4,399	5,719	4,012	0	0	0	2,509	3,262	2,388	1,890	2,457	1,624
1972	4,294	5,582	4,532	0	0	0	2,449	3,184	2,239	1,845	2,399	2,293
1973	4,294	5,582	3,512	0	0	0	2,449	3,184	1,751	1,845	2,399	1,761
1974	4,294	5,582	4,088	0	0	0	2,449	3,184	1,985	1,845	2,399	2,103
1975	4,294	5,582	4,709	0	0	0	2,449	3,184	2,002	1,845	2,399	2,707
1976	4,294	5,582	4,519	0	0	0	2,449	3,184	2,050	1,845	2,399	2,469
1977	4,294	5,582	3,583	0	0	0	2,449	3,184	1,820	1,845	2,399	1,763
1978	4,294	5,582	1,350	0	0	0	2,449	3,184	1,051	1,845	2,399	299
1979	4,294	5,582	3,369	0	0	0	2,449	3,184	1,781	1,845	2,399	1,588
1980	4,294	5,582	3,677	0	0	0	2,449	3,184	2,060	1,845	2,399	1,617
1981	4,294	5,582	3,604	0	0	0	2,449	3,184	2,151	1,845	2,399	1,453
1982	4,294	5,582	2,795	0	0	0	2,449	3,184	1,775	1,845	2,399	1,020
1983	4,294	5,582	3,161	0	0	0	2,449	3,184	2,318	1,845	2,399	843
1984	4,294	5,582	4,759	0	0	0	2,449	3,184	2,671	1,845	2,399	2,088
1985	4,294	5,582	3,312	0	0	0	2,449	3,184	1,978	1,845	2,399	1,334
1986	4,294	5,582	4,744	0	0	0	2,449	3,184	2,130	1,845	2,399	2,614
1987	4,294	5,582	3,919	0	0	0	2,449	3,184	2,229	1,845	2,399	1,690
1988	4,294	5,582	4,775	0	0	0	2,449	3,184	2,229	1,845	2,399	2,546
1989	4,294	5,582	4,681	0	0	0	2,449	3,184	1,968	1,845	2,399	2,713
1990	4,294	5,582	4,092	0	0	0	2,449	3,184	2,313	1,845	2,399	1,779

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TABLE NO. 11
 ANNUAL ACCOUNTING OF EXTRACTIONS BY RIVERSIDE HIGHLAND WATER COMPANY
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 ANNUAL TOTALS

(All Values in Acre-Feet)

Calendar Year	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted	Maximum	Extractions ³	Adjusted	Maximum	Deliveries ³	Adjusted	Maximum	Deliveries ³	Adjusted	Maximum	Deliveries ³
	Right ¹	Allowable ²		Right ⁴	Allowable ²		Right ⁴	Allowable ²		Right ¹	Allowable ²	
1991	4,294	5,582	3,021	0	0	0	2,449	3,184	1,669	1,845	2,399	1,352
1992	4,294	5,582	4,052	0	0	0	2,449	3,184	2,275	1,845	2,399	1,777
1993	4,294	5,582	3,241	0	0	0	2,449	3,184	1,777	1,845	2,399	1,464
1994	4,294	5,582	4,324	0	0	0	2,449	3,184	2,201	1,845	2,399	2,123
1995	4,294	5,582	3,955	0	0	0	2,449	3,184	2,146	1,845	2,399	1,809
1996	4,294	5,582	4,588	0	0	0	2,449	3,184	2,756	1,845	2,399	1,832
1997	4,294	5,582	4,476	0	0	0	2,449	3,184	2,656	1,845	2,399	1,820
1998	4,294	5,582	2,787	0	0	0	2,449	3,184	1,961	1,845	2,399	826
1999	4,294	5,582	2,931	0	0	0	2,449	3,184	2,082	1,845	2,399	849
2000	4,294	5,582	2,856	0	0	0	2,449	3,184	2,811	1,845	2,399	45
2001	4,294	5,582	2,665	0	0	0	2,449	3,184	2,543	1,845	2,399	122
2002	4,294	5,582	2,400	0	0	0	2,449	3,184	2,272	1,845	2,399	128
2003	4,294	5,582	3,878	0	0	0	2,449	3,184	2,036	1,845	2,399	1,842
2004	4,294	5,582	1,754	0	0	0	2,449	3,184	1,301	1,845	2,399	453
2005	4,294	5,582	3,377	0	0	0	2,449	3,184	1,532	1,845	2,399	1,845
2006	4,294	5,582	4,149	0	0	0	2,449	3,184	2,304	1,845	2,399	1,845
2007	4,294	5,582	3,633	0	0	0	2,449	3,184	1,772	1,845	2,399	1,861
2008	4,294	5,582	2,730	0	0	0	2,449	3,184	2,054	1,845	2,399	676
2009	4,294	5,582	1,648	0	0	0	2,449	3,184	1,073	1,845	2,399	575
2010	4,294	5,582	1,136	0	0	0	2,449	3,184	629	1,845	2,399	507

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TABLE NO. 11
 ANNUAL ACCOUNTING OF EXTRACTIONS BY RIVERSIDE HIGHLAND WATER COMPANY
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 ANNUAL TOTALS

(All Values in Acre-Feet)

Calendar Year	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted Right ¹	Maximum Allowable ²	Extractions ³	Adjusted Right ⁴	Maximum Allowable ²	Deliveries ³	Adjusted Right ⁴	Maximum Allowable ²	Deliveries ³	Adjusted Right ¹	Maximum Allowable ²	Deliveries ³
2011	4,294	5,582	1,655	0	0	0	2,449	3,184	1,087	1,845	2,399	568
2012	4,294	5,582		0	0		2,449	3,184		1,845	2,399	
2013	4,435	5,766		0	0		2,449	3,184		1,986	2,582	
2014	4,435	5,766		0	0		2,449	3,184		1,986	2,582	
2015	4,435	5,766		0	0		2,449	3,184		1,986	2,582	
2016	4,435	5,766		0	0		2,449	3,184		1,986	2,582	
2017	4,435	5,766		0	0		2,449	3,184		1,986	2,582	
2018	4,435	5,766		0	0		2,449	3,184		1,986	2,582	
2019	4,435	5,766		0	0		2,449	3,184		1,986	2,582	
2020	4,435	5,766		0	0		2,449	3,184		1,986	2,582	

See Report of Watermaster, Tables 3B-1 and 3B-2

¹ Adjusted Right equals Safe Yield Adjusted Right plus New Conservation Allocation.

² Maximum Allowable for any one year, not to exceed 130% of Adjusted Right.

³ Extractions and Deliveries from Table No. 3B-2.

⁴ New Conservation Allocation may also be used in the San Bernardino Basin Area, or the Colton Basin Area and Riverside Basin Area in San Bernardino County.

Note: Annual Accounting of Extractions as required in Paragraphs V and VI of the Judgment.

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TABLE NO. 11
 ANNUAL ACCOUNTING OF EXTRACTIONS BY RIVERSIDE HIGHLAND WATER COMPANY
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 FIVE-YEAR TOTALS

(All Values in Acre-Feet)

Five-Year Period	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted Right 1	Maximum Allowable 2	Extractions 3	Adjusted Right 4	Maximum Allowable 2	Deliveries 3	Adjusted Right 4	Maximum Allowable 2	Deliveries 3	Adjusted Right 1	Maximum Allowable 2	Deliveries 3
1971-75	21,575	21,575	20,853	0	0	0	12,305	12,305	10,365	9,270	9,270	10,488
1972-76	21,470	21,470	21,360	0	0	0	12,245	12,245	10,027	9,225	9,225	11,333
1973-77	21,470	21,470	20,411	0	0	0	12,245	12,245	9,608	9,225	9,225	10,803
1974-78	21,470	21,470	18,249	0	0	0	12,245	12,245	8,908	9,225	9,225	9,341
1975-79	21,470	21,470	17,530	0	0	0	12,245	12,245	8,704	9,225	9,225	8,826
1976-80	21,470	21,470	16,498	0	0	0	12,245	12,245	8,762	9,225	9,225	7,736
1977-81	21,470	21,470	15,583	0	0	0	12,245	12,245	8,863	9,225	9,225	6,720
1978-82	21,470	21,470	14,795	0	0	0	12,245	12,245	8,818	9,225	9,225	5,977
1979-83	21,470	21,470	16,606	0	0	0	12,245	12,245	10,085	9,225	9,225	6,521
1980-84	21,470	21,470	17,996	0	0	0	12,245	12,245	10,975	9,225	9,225	7,021
1981-85	21,470	21,470	17,631	0	0	0	12,245	12,245	10,893	9,225	9,225	6,738
1982-86	21,470	21,470	18,771	0	0	0	12,245	12,245	10,872	9,225	9,225	7,899
1983-87	21,470	21,470	19,895	0	0	0	12,245	12,245	11,326	9,225	9,225	8,569
1984-88	21,470	21,470	21,509	0	0	0	12,245	12,245	11,237	9,225	9,225	10,272
1985-89	21,470	21,470	21,431	0	0	0	12,245	12,245	10,534	9,225	9,225	10,897
						0						
1986-90	21,470	21,470	22,211	0	0	0	12,245	12,245	10,869	9,225	9,225	11,342
1987-91	21,470	21,470	20,488	0	0	0	12,245	12,245	10,408	9,225	9,225	10,080
1988-92	21,470	21,470	20,621	0	0	0	12,245	12,245	10,454	9,225	9,225	10,167
1989-93	21,470	21,470	19,087	0	0	0	12,245	12,245	10,002	9,225	9,225	9,085
1990-94	21,470	21,470	18,730	0	0	0	12,245	12,245	10,235	9,225	9,225	8,495

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TABLE NO. 11
 ANNUAL ACCOUNTING OF EXTRACTIONS BY RIVERSIDE HIGHLAND WATER COMPANY
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 FIVE-YEAR TOTALS

(All Values in Acre-Feet)

Five-Year Period	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted Right 1	Maximum Allowable 2	Extractions 3	Adjusted Right 4	Maximum Allowable 2	Deliveries 3	Adjusted Right 4	Maximum Allowable 2	Deliveries 3	Adjusted Right 1	Maximum Allowable 2	Deliveries 3
1991-95	21,470	21,470	18,593	0	0	0	12,245	12,245	10,068	9,225	9,225	8,525
1992-96	21,470	21,470	20,160	0	0	0	12,245	12,245	11,155	9,225	9,225	9,005
1993-97	21,470	21,470	20,584	0	0	0	12,245	12,245	11,536	9,225	9,225	9,048
1994-98	21,470	21,470	20,130	0	0	0	12,245	12,245	11,720	9,225	9,225	8,410
1995-99	21,470	21,470	18,737	0	0	0	12,245	12,245	11,601	9,225	9,225	7,136
1996-00	21,470	21,470	17,638	0	0	0	12,245	12,245	12,266	9,225	9,225	5,372
1997-01	21,470	21,470	15,715	0	0	0	12,245	12,245	12,053	9,225	9,225	3,662
1998-02	21,470	21,470	13,639	0	0	0	12,245	12,245	11,669	9,225	9,225	1,970
1999-03	21,470	21,470	14,730	0	0	0	12,245	12,245	11,744	9,225	9,225	2,986
2000-04	21,470	21,470	13,553	0	0	0	12,245	12,245	10,963	9,225	9,225	2,590
2001-05	21,470	21,470	14,074	0	0	0	12,245	12,245	9,684	9,225	9,225	4,390
2002-06	21,470	21,470	15,558	0	0	0	12,245	12,245	9,445	9,225	9,225	6,113
2003-07	21,470	21,470	16,791	0	0	0	12,245	12,245	8,945	9,225	9,225	7,846
2004-08	21,470	21,470	15,643	0	0	0	12,245	12,245	8,963	9,225	9,225	6,680
2005-09	21,470	21,470	15,537	0	0	0	12,245	12,245	8,735	9,225	9,225	6,802
2006-10	21,470	21,470	13,296	0	0	0	12,245	12,245	7,832	9,225	9,225	5,464
2007-11	21,470	21,470	10,802	0	0	0	12,245	12,245	6,615	9,225	9,225	4,187
2008-12	21,470	21,470		0	0		12,245	12,245		9,225	9,225	
2009-13	21,611	21,611		0	0		12,245	12,245		9,366	9,366	
2010-14	21,752	21,752		0	0		12,245	12,245		9,507	9,507	

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TABLE NO. 11
ANNUAL ACCOUNTING OF EXTRACTIONS BY RIVERSIDE HIGHLAND WATER COMPANY
FROM THE SAN BERNARDINO BASIN AREA
FOR DELIVERY TO EACH SERVICE AREA
FIVE-YEAR TOTALS

(All Values in Acre-Feet)

Five-Year Period	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted Right 1	Maximum Allowable 2	Extractions 3	Adjusted Right 4	Maximum Allowable 2	Deliveries 3	Adjusted Right 4	Maximum Allowable 2	Deliveries 3	Adjusted Right 1	Maximum Allowable 2	Deliveries 3
2011-15	21,893	21,893		0	0		12,245	12,245		9,648	9,648	
2012-16	22,034	22,034		0	0		12,245	12,245		9,789	9,789	
2013-17	22,175	22,175		0	0		12,245	12,245		9,930	9,930	
2014-17	22,175	22,175		0	0		12,245	12,245		9,930	9,930	
2015-19	22,175	22,175		0	0		12,245	12,245		9,930	9,930	
2016-20	22,175	22,175		0	0		12,245	12,245		9,930	9,930	
Excess Extractions												
2007-11		(10,668) *			0 *			(5,630) *			(5,038) *	

* Parentheses indicate that Extractions and Deliveries are less than Adjusted Right.

1 Adjusted Right equals Safe Yield Adjusted Right plus New Conservation Allocation.

2 Maximum allowable for the five-year period is the same as the five-year-period Adjusted Right.

3 Extractions and Deliveries from Table No. 3B-2.

4 New Conservation Allocation may also be used in the San Bernardino Basin Area, or the Colton Basin Area and Riverside Basin Area in San Bernardino County.

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TABLE NO. 12
 ANNUAL ACCOUNTING OF EXTRACTIONS BY AGUA MANSA WATER COMPANY AND MEEKS & DALEY WATER COMPANY
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 ANNUAL TOTALS

(All Values in Acre-Feet)

Calendar Year	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted Right 1	Maximum Allowable 2	Extractions 3	Adjusted Right 4	Maximum Allowable 2	Deliveries 3	Adjusted Right 4	Maximum Allowable 2	Deliveries 3	Adjusted Right 1	Maximum Allowable 2	Deliveries 3
	1971	8,026	10,434	2,902	0	0	0	325	423	383	7,700	10,010
1972	7,833	10,183	3,527	0	0	0	318	413	377	7,515	9,770	3,150
1973	7,833	10,183	2,979	0	0	0	318	413	250	7,515	9,770	2,729
1974	7,833	10,183	4,504	0	0	0	318	413	246	7,515	9,770	4,258
1975	7,833	10,183	3,950	0	0	0	318	413	168	7,515	9,770	3,782
1976	7,833	10,183	5,393	0	0	0	318	413	182	7,515	9,770	5,211
1977	7,833	10,183	4,220	0	0	0	318	413	146	7,515	9,770	4,074
1978	7,833	10,183	2,254	0	0	0	318	413	161	7,515	9,770	2,093
1979	7,833	10,183	3,930	0	0	0	318	413	166	7,515	9,770	3,764
1980	7,833	10,183	2,333	0	0	0	318	413	323	7,515	9,770	2,010
1981	7,833	10,183	3,092	0	0	0	318	413	358	7,515	9,770	2,734
1982	7,833	10,183	3,716	0	0	0	318	413	169	7,515	9,770	3,547
1983	7,833	10,183	2,651	0	0	0	318	413	245	7,515	9,770	2,406
1984	7,833	10,183	5,165	0	0	0	318	413	233	7,515	9,770	4,932
1985	7,833	10,183	5,385	0	0	0	318	413	210	7,515	9,770	5,175
1986	7,833	10,183	5,570	0	0	0	318	413	234	7,515	9,770	5,336
1987	7,833	10,183	4,914	0	0	0	318	413	193	7,515	9,770	4,721
1988	7,833	10,183	4,966	0	0	0	318	413	233	7,515	9,770	4,733
1989	7,833	10,183	5,392	0	0	0	318	413	240	7,515	9,770	5,152
1990	7,833	10,183	3,851	0	0	0	318	413	83	7,515	9,770	3,768

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TABLE NO. 12
 ANNUAL ACCOUNTING OF EXTRACTIONS BY AGUA MANSA WATER COMPANY AND MEEKS & DALEY WATER COMPANY
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 ANNUAL TOTALS

(All Values in Acre-Feet)

Calendar Year	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted Right 1	Maximum Allowable 2	Extractions 3	Adjusted Right 4	Maximum Allowable 2	Deliveries 3	Adjusted Right 4	Maximum Allowable 2	Deliveries 3	Adjusted Right 1	Maximum Allowable 2	Deliveries 3
	1991	7,833	10,183	4,426	0	0	0	318	413	190	7,515	9,770
1992	7,833	10,183	4,100	0	0	0	318	413	118	7,515	9,770	3,982
1993	7,833	10,183	5,013	0	0	0	318	413	276	7,515	9,770	4,737
1994	7,833	10,183	4,525	0	0	0	318	413	227	7,515	9,770	4,298
1995	7,833	10,183	3,560	0	0	0	318	413	145	7,515	9,770	3,415
1996	7,833	10,183	3,912	0	0	0	318	413	194	7,515	9,770	3,718
1997	7,833	10,183	4,165	0	0	0	318	413	137	7,515	9,770	4,028
1998	7,833	10,183	3,828	0	0	0	318	413	210	7,515	9,770	3,618
1999	7,833	10,183	6,289	0	0	0	318	413	90	7,515	9,770	6,199
2000	7,833	10,183	3,832	0	0	0	318	413	352	7,515	9,770	3,480
2001	7,833	10,183	3,671	0	0	0	318	413	192	7,515	9,770	3,479
2002	7,833	10,183	5,800	0	0	0	318	413	202	7,515	9,770	5,598
2003	7,833	10,183	7,440	0	0	0	318	413	49	7,515	9,770	7,391
2004	7,833	10,183	3,782	0	0	0	318	413	19	7,515	9,770	3,763
2005	7,833	10,183	5,891	0	0	0	318	413	4	7,515	9,770	5,887
2006	7,833	10,183	7,515	0	0	0	318	413	0	7,515	9,770	7,515
2007	7,833	10,183	7,591	0	0	0	318	413	0	7,515	9,770	7,591
2008	7,833	10,183	4,832	0	0	0	318	413	0	7,515	9,770	4,832
2009	7,833	10,183	6,345	0	0	0	318	413	0	7,515	9,770	6,345
2010	7,833	10,183	6,738	0	0	0	318	413	0	7,515	9,770	6,738

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TABLE NO. 12
 ANNUAL ACCOUNTING OF EXTRACTIONS BY AGUA MANSA WATER COMPANY AND MEEKS & DALEY WATER COMPANY
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 ANNUAL TOTALS

(All Values in Acre-Feet)

Calendar Year	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted Right ¹	Maximum Allowable ²	Extractions ³	Adjusted Right ⁴	Maximum Allowable ²	Deliveries ³	Adjusted Right ⁴	Maximum Allowable ²	Deliveries ³	Adjusted Right ¹	Maximum Allowable ²	Deliveries ³
2011	7,833	10,183	7,127	0	0	0	318	413	0	7,515	9,770	7,127
2012	7,833	10,183		0	0		318	413		7,515	9,770	
2013	8,091	10,518		0	0		318	413		7,773	10,105	
2014	8,091	10,518		0	0		318	413		7,773	10,105	
2015	8,091	10,518		0	0		318	413		7,773	10,105	
2016	8,091	10,518		0	0		318	413		7,773	10,105	
2017	8,091	10,518		0	0		318	413		7,773	10,105	
2018	8,091	10,518		0	0		318	413		7,773	10,105	
2019	8,091	10,518		0	0		318	413		7,773	10,105	
2020	8,091	10,518		0	0		318	413		7,773	10,105	

See Report of Watermaster, Tables 3C-1 and 3C-2.

1 Adjusted Right equals Safe Yield Adjusted Right plus New Conservation Allocation.

2 Maximum Allowable for any one year, not to exceed 130% of Adjusted Right.

3 Extractions and Deliveries from Table No. 3C-2

4 New Conservation Allocation may also be used in the San Bernardino Basin Area, or the Colton Basin Area and Riverside Basin Area in San Bernardino County.

Note: Annual Accounting of Extractions as required in Paragraphs V and VI of the Judgment.

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TABLE NO. 12
 ANNUAL ACCOUNTING OF EXTRactions BY AGUA MANSA WATER COMPANY AND MEEKS & DALEY WATER COMPANY
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 FIVE-YEAR TOTALS

(All Values in Acre-Feet)

Five-Year Period	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted Right ¹	Maximum Allowable ²	Extractions ³	Adjusted Right ⁴	Maximum Allowable ²	Deliveries ³	Adjusted Right ⁴	Maximum Allowable ²	Deliveries ³	Adjusted Right ¹	Maximum Allowable ²	Deliveries ³
1971-75	39,358	39,358	17,862	0	0	0	1,597	1,597	1,424	37,760	37,760	16,438
1972-76	39,165	39,165	20,353	0	0	0	1,590	1,590	1,223	37,575	37,575	19,130
1973-77	39,165	39,165	21,046	0	0	0	1,590	1,590	992	37,575	37,575	20,054
1974-78	39,165	39,165	20,321	0	0	0	1,590	1,590	903	37,575	37,575	19,418
1975-79	39,165	39,165	19,747	0	0	0	1,590	1,590	823	37,575	37,575	18,924
1976-80	39,165	39,165	18,130	0	0	0	1,590	1,590	978	37,575	37,575	17,152
1977-81	39,165	39,165	15,829	0	0	0	1,590	1,590	1,154	37,575	37,575	14,675
1978-82	39,165	39,165	15,325	0	0	0	1,590	1,590	1,177	37,575	37,575	14,148
1979-83	39,165	39,165	15,722	0	0	0	1,590	1,590	1,261	37,575	37,575	14,461
1980-84	39,165	39,165	16,957	0	0	0	1,590	1,590	1,328	37,575	37,575	15,629
1981-85	39,165	39,165	20,009	0	0	0	1,590	1,590	1,215	37,575	37,575	18,794
1982-86	39,165	39,165	22,487	0	0	0	1,590	1,590	1,091	37,575	37,575	21,396
1983-87	39,165	39,165	23,685	0	0	0	1,590	1,590	1,115	37,575	37,575	22,570
1984-88	39,165	39,165	26,000	0	0	0	1,590	1,590	1,103	37,575	37,575	24,897
1985-89	39,165	39,165	26,227	0	0	0	1,590	1,590	1,110	37,575	37,575	25,117
1986-90	39,165	39,165	24,693	0	0	0	1,590	1,590	983	37,575	37,575	23,710
1987-91	39,165	39,165	23,549	0	0	0	1,590	1,590	939	37,575	37,575	22,610
1988-92	39,165	39,165	22,735	0	0	0	1,590	1,590	864	37,575	37,575	21,871
1989-93	39,165	39,165	22,782	0	0	0	1,590	1,590	907	37,575	37,575	21,875
1990-94	39,165	39,165	21,915	0	0	0	1,590	1,590	894	37,575	37,575	21,021

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TABLE NO. 12
 ANNUAL ACCOUNTING OF EXTRACTIONS BY AGUA MANSA WATER COMPANY AND MEEKS & DALEY WATER COMPANY
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 FIVE-YEAR TOTALS

(All Values in Acre-Feet)

Five-Year Period	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted Right ¹	Maximum Allowable ²	Extractions ³	Adjusted Right ⁴	Maximum Allowable ²	Deliveries ³	Adjusted Right ⁴	Maximum Allowable ²	Deliveries ³	Adjusted Right ¹	Maximum Allowable ²	Deliveries ³
1991-95	39,165	39,165	21,624	0	0	0	1,590	1,590	956	37,575	37,575	20,668
1992-96	39,165	39,165	21,110	0	0	0	1,590	1,590	960	37,575	37,575	20,150
1993-97	39,165	39,165	21,175	0	0	0	1,590	1,590	979	37,575	37,575	20,196
1994-98	39,165	39,165	19,990	0	0	0	1,590	1,590	913	37,575	37,575	19,077
1995-99	39,165	39,165	21,754	0	0	0	1,590	1,590	776	37,575	37,575	20,978
1996-00	39,165	39,165	22,026	0	0	0	1,590	1,590	983	37,575	37,575	21,043
1997-01	39,165	39,165	21,785	0	0	0	1,590	1,590	981	37,575	37,575	20,804
1998-02	39,165	39,165	23,420	0	0	0	1,590	1,590	1,046	37,575	37,575	22,374
1999-03	39,165	39,165	27,032	0	0	0	1,590	1,590	885	37,575	37,575	26,147
2000-04	39,165	39,165	24,525	0	0	0	1,590	1,590	814	37,575	37,575	23,711
2001-05	39,165	39,165	26,584	0	0	0	1,590	1,590	466	37,575	37,575	26,118
2002-06	39,165	39,165	30,428	0	0	0	1,590	1,590	274	37,575	37,575	30,154
2003-07	39,165	39,165	32,219	0	0	0	1,590	1,590	72	37,575	37,575	32,147
2004-08	39,165	39,165	29,611	0	0	0	1,590	1,590	23	37,575	37,575	29,588
2005-09	39,165	39,165	32,174	0	0	0	1,590	1,590	4	37,575	37,575	32,170
2006-10	39,165	39,165	33,021	0	0	0	1,590	1,590	0	37,575	37,575	33,021
2007-11	39,165	39,165	32,633	0	0	0	1,590	1,590	0	37,575	37,575	32,633
2008-12	39,165	39,165		0	0		1,590	1,590		37,575	37,575	
2009-13	39,423	39,423		0	0		1,590	1,590		37,833	37,833	
2010-14	39,681	39,681		0	0		1,590	1,590		38,091	38,091	

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TABLE NO. 12
 ANNUAL ACCOUNTING OF EXTRACTIONS BY AGUA MANSA WATER COMPANY AND MEEKS & DALEY WATER COMPANY
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 FIVE-YEAR TOTALS

(All Values in Acre-Feet)

Five-Year Period	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted Right ¹	Maximum Allowable ²	Extractions ³	Adjusted Right ⁴	Maximum Allowable ²	Deliveries ³	Adjusted Right ⁴	Maximum Allowable ²	Deliveries ³	Adjusted Right ¹	Maximum Allowable ²	Deliveries ³
2011-15	39,939	39,939		0	0		1,590	1,590		38,349	38,349	
2012-16	40,197	40,197		0	0		1,590	1,590		38,607	38,607	
2013-17	40,455	40,455		0	0		1,590	1,590		38,865	38,865	
2014-18	40,455	40,455		0	0		1,590	1,590		38,865	38,865	
2015-19	40,455	40,455		0	0		1,590	1,590		38,865	38,865	
2016-20	40,455	40,455		0	0		1,590	1,590		38,865	38,865	
Excess												
Extractions												
2007-11		(6,532) *			0 *			(1,590) *			(4,942) *	

* Parentheses indicate that Extractions and Deliveries are less than Adjusted Right.

- 1 Adjusted Right equals Safe Yield Adjusted Right plus New Conservation Allocation.
- 2 Maximum allowable for the five-year period is the same as the five-year-period Adjusted Right.
- 3 Extractions and Deliveries from Table No. 3C-2.
- 4 New Conservation Allocation may also be used in the San Bernardino Basin Area, or the Colton Basin Area and Riverside Basin Area in San Bernardino County.

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TABLE NO. 13
 ANNUAL ACCOUNTING OF EXTRactions BY THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 ANNUAL TOTALS

(All Values in Acre-Feet)

Calendar Year	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted Right ¹	Maximum Allowable ²	Extractions ³	Adjusted Right ⁴	Maximum Allowable ²	Deliveries ³	Adjusted Right ⁴	Maximum Allowable ²	Deliveries ³	Adjusted Right ¹	Maximum Allowable ²	Deliveries ³
1971	581	755	219	0	0	0	0	0	0	581	755	219
1972	536	697	239	0	0	0	0	0	0	536	697	239
1973	536	697	239	0	0	0	0	0	0	536	697	239
1974	536	697	267	0	0	0	0	0	0	536	697	267
1975	536	697	179	0	0	0	0	0	0	536	697	179
1976	536	697	245	0	0	0	0	0	0	536	697	245
1977	536	697	87	0	0	0	0	0	0	536	697	87
1978	536	697	183	0	0	0	0	0	0	536	697	183
1979	536	697	83	0	0	0	0	0	0	536	697	83
1980	536	697	7	0	0	0	0	0	0	536	697	7
1981	536	697	143	0	0	0	0	0	0	536	697	143
1982	536	697	48	0	0	0	0	0	0	536	697	48
1983	536	697	0	0	0	0	0	0	0	536	697	0
1984	536	697	0	0	0	0	0	0	0	536	697	0
1985	536	697	0	0	0	0	0	0	0	536	697	0
1986	536	697	48	0	0	0	0	0	0	536	697	48
1987	536	697	195	0	0	0	0	0	0	536	697	195
1988	536	697	179	0	0	0	0	0	0	536	697	179
1989	536	697	62	0	0	0	0	0	0	536	697	62
1990	536	697	95	0	0	0	0	0	0	536	697	95

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TABLE NO. 13
 ANNUAL ACCOUNTING OF EXTRACTIONS BY THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 ANNUAL TOTALS

(All Values in Acre-Feet)

Calendar Year	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted Right ¹	Maximum Allowable ²	Extractions ³	Adjusted Right ⁴	Maximum Allowable ²	Deliveries ³	Adjusted Right ⁴	Maximum Allowable ²	Deliveries ³	Adjusted Right ¹	Maximum Allowable ²	Deliveries ³
1991	536	697	23	0	0	0	0	0	0	536	697	23
1992	536	697	32	0	0	0	0	0	0	536	697	32
1993	536	697	0	0	0	0	0	0	0	536	697	0
1994	536	697	0	0	0	0	0	0	0	536	697	0
1995	536	697	0	0	0	0	0	0	0	536	697	0
1996	536	697	445	0	0	0	0	0	0	536	697	445
1997	536	697	447	0	0	0	0	0	0	536	697	447
1998	536	697	536	0	0	0	0	0	0	536	697	536
1999	536	697	536	0	0	0	0	0	0	536	697	536
2000	536	697	536	0	0	0	0	0	0	536	697	536
2001	536	697	536	0	0	0	0	0	0	536	697	536
2002	536	697	536	0	0	0	0	0	0	536	697	536
2003	536	697	536	0	0	0	0	0	0	536	697	536
2004	536	697	536	0	0	0	0	0	0	536	697	536
2005	536	697	536	0	0	0	0	0	0	536	697	536
2006	536	697	536	0	0	0	0	0	0	536	697	536
2007	536	697	536	0	0	0	0	0	0	536	697	536
2008	536	697	536	0	0	0	0	0	0	536	697	536
2009	536	697	536	0	0	0	0	0	0	536	697	536
2010	536	697	536	0	0	0	0	0	0	536	697	536

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TABLE NO. 13
 ANNUAL ACCOUNTING OF EXTRactions BY THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 ANNUAL TOTALS

(All Values in Acre-Feet)

Calendar Year	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted Right ¹	Maximum Allowable ²	Extractions ³	Adjusted Right ⁴	Maximum Allowable ²	Deliveries ³	Adjusted Right ⁴	Maximum Allowable ²	Deliveries ³	Adjusted Right ¹	Maximum Allowable ²	Deliveries ³
2011	536	697	536	0	0	0	0	0	0	536	697	536
2012	536	697		0	0		0	0		536	697	
2013	554	720		0	0		0	0		554	720	
2014	554	720		0	0		0	0		554	720	
2015	554	720		0	0		0	0		554	720	
2016	554	720		0	0		0	0		554	720	
2017	554	720		0	0		0	0		554	720	
2018	554	720		0	0		0	0		554	720	
2019	554	720		0	0		0	0		554	720	
2020	554	720		0	0		0	0		554	720	

See Report of Watermaster, Tables 3D-1 and 3D-2

¹ Adjusted Right equals Safe Yield Adjusted Right plus New Conservation Allocation.

² Maximum Allowable for any one year, not to exceed 130% of Adjusted Right.

³ Extractions and Deliveries from Table No. 3D-2.

⁴ New Conservation Allocation may also be used in the San Bernardino Basin Area, or the Colton Basin Area and Riverside Basin Area in San Bernardino County.

Note: Annual Accounting of Extractions as required in Paragraphs V and VI of the Judgment.

TABLE NO. 13
 ANNUAL ACCOUNTING OF EXTRACTIONS BY THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 FIVE-YEAR TOTALS

(All Values in Acre-Feet)

Five-Year Period	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted Right 1	Maximum Allowable 2	Extractions 3	Adjusted Right 4	Maximum Allowable 2	Deliveries 3	Adjusted Right 4	Maximum Allowable 2	Deliveries 3	Adjusted Right 1	Maximum Allowable 2	Deliveries 3
1971-75	2,725	2,725	1,143	0	0	0	0	0	0	2,725	2,725	1,143
1972-76	2,680	2,680	1,169	0	0	0	0	0	0	2,680	2,680	1,169
1973-77	2,680	2,680	1,017	0	0	0	0	0	0	2,680	2,680	1,017
1974-78	2,680	2,680	961	0	0	0	0	0	0	2,680	2,680	961
1975-79	2,680	2,680	777	0	0	0	0	0	0	2,680	2,680	777
1976-80	2,680	2,680	605	0	0	0	0	0	0	2,680	2,680	605
1977-81	2,680	2,680	503	0	0	0	0	0	0	2,680	2,680	503
1978-82	2,680	2,680	464	0	0	0	0	0	0	2,680	2,680	464
1979-83	2,680	2,680	281	0	0	0	0	0	0	2,680	2,680	281
1980-84	2,680	2,680	198	0	0	0	0	0	0	2,680	2,680	198
1981-85	2,680	2,680	191	0	0	0	0	0	0	2,680	2,680	191
1982-86	2,680	2,680	96	0	0	0	0	0	0	2,680	2,680	96
1983-87	2,680	2,680	243	0	0	0	0	0	0	2,680	2,680	243
1984-88	2,680	2,680	422	0	0	0	0	0	0	2,680	2,680	422
1985-89	2,680	2,680	484	0	0	0	0	0	0	2,680	2,680	484
1986-90	2,680	2,680	579	0	0	0	0	0	0	2,680	2,680	579
1987-91	2,680	2,680	554	0	0	0	0	0	0	2,680	2,680	554
1988-92	2,680	2,680	391	0	0	0	0	0	0	2,680	2,680	391
1989-93	2,680	2,680	212	0	0	0	0	0	0	2,680	2,680	212
1990-94	2,680	2,680	150	0	0	0	0	0	0	2,680	2,680	150

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TABLE NO. 13
 ANNUAL ACCOUNTING OF EXTRACTIONS BY THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 FIVE-YEAR TOTALS

(All Values in Acre-Feet)

Five-Year Period	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted Right 1	Maximum Allowable 2	Extractions 3	Adjusted Right 4	Maximum Allowable 2	Deliveries 3	Adjusted Right 4	Maximum Allowable 2	Deliveries 3	Adjusted Right 1	Maximum Allowable 2	Deliveries 3
1991-95	2,680	2,680	55	0	0	0	0	0	0	2,680	2,680	55
1992-96	2,680	2,680	477	0	0	0	0	0	0	2,680	2,680	477
1993-97	2,680	2,680	892	0	0	0	0	0	0	2,680	2,680	892
1994-98	2,680	2,680	1,428	0	0	0	0	0	0	2,680	2,680	1,428
1995-99	2,680	2,680	1,964	0	0	0	0	0	0	2,680	2,680	1,964
1996-00	2,680	2,680	2,500	0	0	0	0	0	0	2,680	2,680	2,500
1997-01	2,680	2,680	2,591	0	0	0	0	0	0	2,680	2,680	2,591
1998-02	2,680	2,680	2,680	0	0	0	0	0	0	2,680	2,680	2,680
1999-03	2,680	2,680	2,680	0	0	0	0	0	0	2,680	2,680	2,680
2000-04	2,680	2,680	2,680	0	0	0	0	0	0	2,680	2,680	2,680
2001-05	2,680	2,680	2,680	0	0	0	0	0	0	2,680	2,680	2,680
2002-06	2,680	2,680	2,680	0	0	0	0	0	0	2,680	2,680	2,680
2003-07	2,680	2,680	2,680	0	0	0	0	0	0	2,680	2,680	2,680
2004-08	2,680	2,680	2,680	0	0	0	0	0	0	2,680	2,680	2,680
2005-09	2,680	2,680	2,680	0	0	0	0	0	0	2,680	2,680	2,680
2006-10	2,680	2,680	2,680	0	0	0	0	0	0	2,680	2,680	2,680
2007-11	2,680	2,680	2,680	0	0	0	0	0	0	2,680	2,680	2,680
2008-12	2,680	2,680		0	0		0	0		2,680	2,680	
2009-13	2,698	2,698		0	0		0	0		2,698	2,698	
2010-14	2,716	2,716		0	0		0	0		2,716	2,716	

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TABLE NO. 13
 ANNUAL ACCOUNTING OF EXTRACTIONS BY THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
 FROM THE SAN BERNARDINO BASIN AREA
 FOR DELIVERY TO EACH SERVICE AREA
 FIVE-YEAR TOTALS

(All Values in Acre-Feet)

Five-Year Period	Verified Extractions from the San Bernardino Basin Area			Delivery for Use in San Bernardino Basin Area			Delivery for Use in Colton Basin Area and Riverside Basin Area in San Bernardino County			Delivery for Use in Areas Outside San Bernardino Valley		
	Adjusted Right 1	Maximum Allowable 2	Extractions 3	Adjusted Right 4	Maximum Allowable 2	Deliveries 4	Adjusted Right 1	Maximum Allowable 2	Deliveries 3	Adjusted Right 1	Maximum Allowable 2	Deliveries 3
2011-15	2,734	2,734		0	0		0	0		2,734	2,734	
2012-16	2,752	2,752		0	0		0	0		2,752	2,752	
2013-17	2,770	2,770		0	0		0	0		2,770	2,770	
2014-18	2,770	2,770		0	0		0	0		2,770	2,770	
2015-19	2,770	2,770		0	0		0	0		2,770	2,770	
2016-20	2,770	2,770		0	0		0	0		2,770	2,770	
Excess Extractions												
2007-11		0 *			0 *			0 *			0 *	

* Parentheses indicate that Extractions and Deliveries are less than Adjusted Right.

- 1 Adjusted Right equals Safe Yield Adjusted Right plus New Conservation Allocation.
- 2 Maximum allowable for the five-year period is the same as the five-year-period Adjusted Right.
- 3 Extractions and Deliveries from Table No. 3D-2.
- 4 New Conservation Allocation may also be used in the San Bernardino Basin Area, or the Colton Basin Area and Riverside Basin Area in San Bernardino County.

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TABLE NO. 14

ANNUAL ACCOUNTING FOR
 WESTERN MUNICIPAL WATER DISTRICT
 EXPORT OF EXTRACTIONS FROM SAN BERNARDINO BASIN AREA,
 COLTON BASIN AREA, AND RIVERSIDE BASIN AREA
 FOR USE WITHIN WESTERN ON LANDS THAT ARE NOT TRIBUTARY
 TO THE RIVERSIDE NARROWS
 (All Values in Acre-Feet)

		Calendar Years				
		2007	2008	2009	2010	2011
EXPORTS						
Annual 1959-63 Average		42,535	42,535	42,535	42,535	42,535
Actual Export	1	37,230	38,261	38,815	37,891	40,494
ACCUMULATED EXPORT	2	1,443,707	1,481,968	1,520,783	1,558,674	1,599,168
OBLIGATIONS						
Total New Export	3	(5,305)	(4,274)	(3,720)	(4,644)	(2,041)
Additional New Export	4	0	0	0	0	0
New Export	5	(5,305)	(4,274)	(3,720)	(4,644)	(2,041)
ACCUMULATED NEW EXPORT	2	(307,295)	(311,569)	(315,289)	(319,933)	(321,974)

1 See Table 8 of Watermaster Report. (Data from Volume 6, Table A.)

2 Accumulated values include amounts accumulated prior to current 5-year period.

3 Actual Export minus Annual 1959-63 Average. (Parentheses indicate that Actual Export is less than Annual 1959-63 Average.)

4 New Export which was allowed under High Groundwater Mitigation agreements without replenishment obligation.

5 Total New Export minus Additional New Export.

TABLE NO. 15A

ANNUAL ACCOUNTING FOR
 SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT
 EXPORT OF EXTRACTIONS FROM SAN BERNARDINO BASIN AREA
 FOR USE ON LANDS
 NOT WITHIN WESTERN NOR TRIBUTARY
 TO THE RIVERSIDE NARROWS

(All Values in Acre-Feet)
 Calendar Years

		2007	2008	2009	2010	2011
EXPORTS						
Annual 1959-63 Average	1	11,701	11,701	11,701	11,701	11,701
Actual Export	1	25,678	27,869	22,041	25,317	34,865
ACCUMULATED EXPORT	2	844,453	872,322	894,363	919,680	954,545
OBLIGATIONS						
Total New Export	3	13,977	16,168	10,340	13,616	23,164
Additional New Export	4					
New Export	5	13,977	16,168	10,340	13,616	23,164
ACCUMULATED NEW EXPORT	2	215,907	232,075	242,415	256,031	279,195

1 See Table No. 9A. (Data from Volume 7, Tables C and D)

2 Accumulated values include amounts accumulated prior to current 5-year period.

3 Actual Export minus Annual 1959-63 Average. (Parentheses indicate that Actual Export is less than Annual 1959-63 Average.)

4 New Export which was allowed under High Groundwater Mitigation agreements without replenishment obligation.

5 Total New Export minus Additional New Export.

TABLE NO. 15B

ANNUAL ACCOUNTING FOR
 SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT
 DELIVERY OF EXTRACTIONS FROM SAN BERNARDINO BASIN AREA
 FOR USE ON LANDS
 WITHIN COLTON AND RIVERSIDE BASIN AREAS

(All Values in Acre-Feet)
 Calendar Years

DELIVERIES		2007	2008	2009	2010	2011
Annual 1959-63 Average	1	17,837	17,837	17,837	17,837	17,837
Actual Deliveries	1	28,807	29,771	27,651	20,564	21,772
ACCUMULATED DELIVERIES	2	814,947	844,718	872,369	892,933	914,705
OBLIGATIONS						
Total New Deliveries	3	10,970	11,934	9,814	2,727	3,935
Additional New Deliveries	4	0	0	0	0	0
New Deliveries	5	10,970	11,934	9,814	2,727	3,935
ACCUMULATED NEW DELIVERIES	2	101,198	113,132	122,946	125,673	129,608

1 See Table No. 9B. (Data from Volume 7, Tables E and F)

2 Accumulated values include amounts accumulated prior to current 5-year period.

3 Actual Deliveries minus Annual 1959-63 Average. (Parentheses indicate that Actual Deliveries are less than Annual 1959-63 Average.)

4 New Deliveries which were allowed under High Groundwater Mitigation agreements without replenishment obligation.

5 Total New Deliveries minus Additional New Deliveries.

ANNUAL ACCOUNTING FOR
WESTERN MUNICIPAL WATER DISTRICT
EXTRACTIONS FROM COLTON BASIN AREA AND
RIVERSIDE BASIN AREA
IN RIVERSIDE AND SAN BERNARDINO COUNTIES
FOR USE OUTSIDE SAN BERNARDINO VALLEY
(All Values in Acre-Feet)

		Calendar Years				
		2007	2008	2009	2010	2011
EXTRACTIONS						
Base Right - Colton	1	3,381	3,381	3,381	3,381	3,381
Base Right - Riverside North	2	21,085	21,085	21,085	21,085	21,085
Base Right - Riverside South	3	29,633	29,633	29,633	29,633	29,633
Total Base Right		54,099	54,099	54,099	54,099	54,099
Extractions - Colton	1	742	939	378	77	173
Extractions - Riverside North	2	8,603	13,134	16,792	12,675	13,276
Extractions - Riverside South	3	38,237	31,205	35,519	29,077	30,560
Total Extractions		47,582	45,278	52,689	41,829	44,009
New Export	4	(5,305)	(4,274)	(3,720)	(4,644)	(2,041)
Total Extractions Excluding New Export	5	52,887	49,552	56,409	46,473	46,050
Under Extractions Excluding New Export	6	1,212	4,547	0	7,626	8,049
Excess Extractions Excluding New Export	7	0	0	2,310	0	0
CREDITS						
Extraction Credit	8	1,212	4,547	0	7,626	8,049
Return from From Excess Extractions	9	0	0	832	0	0
New Export Credit	10	5,305	4,274	3,720	4,644	2,041
Replenishment	11	0	0	0	0	0
Return from Imported Water	12	2,146	1,265	1,454	1,335	1,382
Return from New Conservation	13	0	0	0	0	0
Total Credits		8,663	10,086	6,006	13,605	11,472
ACCUMULATED CREDITS	14	520,045	530,131	536,137	549,742	561,214
OBLIGATIONS						
Extraction Obligation	15	0	0	2,310	0	0
Return from Under Extractions	16	436	1,637	0	2,745	2,898
New Export Obligation	17	0	0	0	0	0
Land Use Conversion	18	579	579	579	579	579
Total Obligations		1,015	2,216	2,889	3,324	3,477
ACCUMULATED OBLIGATIONS	14	125,261	127,477	130,366	133,690	137,167
(CREDIT) OR OBLIGATION	19	(7,648)	(7,870)	(3,117)	(10,281)	(7,995)
NET ACCUMULATED (CREDIT) OR OBLIGATION	14	(394,784)	(402,654)	(405,771)	(416,052)	(424,047)

ANNUAL ACCOUNTING FOR
WESTERN MUNICIPAL WATER DISTRICT
EXTRACTIONS FROM COLTON BASIN AREA AND
RIVERSIDE BASIN AREA
IN RIVERSIDE AND SAN BERNARDINO COUNTIES
FOR USE OUTSIDE SAN BERNARDINO VALLEY

- 1 See Table 4 of Watermaster Report
- 2 See Table 5 of Watermaster Report
- 3 See Table 6 of Watermaster Report
- 4 See Table 14 of Watermaster Report
- 5 Equals Total Extractions minus New Export
- 6 Total Base Right minus Total Extractions Excluding New Export, if positive
- 7 Total Extractions Excluding New Export minus Total Base Right, if positive
- 8 Amounts which may be extracted without replenishment obligation, which in fact are not extracted. Equals Under Extractions Excluding New Export.
- 9 Return from Excess Extractions equals 36% of Extraction Obligation
- 10 New Export Credit equals New Export, if negative
- 11 Imported water recharged in Colton Basin Area, Riverside Basin Area In San Bernardino County, or Riverside Basin Area In Riverside County
- 12 Return from Imported Water equals 36% of direct delivered Imported Water. May include return from imported water extracted from SBBA pursuant to August 18, 2004 Agreement.
- 13 Return from New Conservation equals 36% of New Conservation. See Tables 3A-1, 3A-2, 3B-1, 3B-2, 3C-1, 3C-2, 3D-1 and 3D-2 of Watermaster Report.
- 14 Accumulated values include amounts accumulated prior to current 5-year period
- 15 Equals Excess Extractions Excluding New Export
- 16 Return from Under Extractions equals 36% of Extraction Credit
- 17 New Export Obligation equals New Export, if positive
- 18 See Table 7 of Watermaster Report
- 19 Net Credit or Obligation for this calendar year.

ANNUAL ACCOUNTING FOR
SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT
EXTRACTIONS FROM SAN BERNARDINO BASIN AREA

(All Values in Acre-Feet)

		Calendar Years				
		2007	2008	2009	2010	2011
EXTRACTIONS						
Adjusted Right	1	167,238	167,238	167,238	167,238	167,238
Extractions	1	199,366	196,170	179,077	166,131	173,544
New Export	2	13,977	16,168	10,340	13,616	23,164
New Deliveries to Colton and Riverside Basin Areas	3	10,970	11,934	9,814	2,727	3,935
Extractions Excluding New Export and New Deliveries	4	174,419	168,068	158,923	149,788	146,445
Under Extractions Excluding New Export and New Deliveries	5	0	0	8,315	17,450	20,793
Excess Extractions Excluding New Export and New Deliveries	6	7,181	830	0	0	0
CREDITS						
Extraction Credit	7	0	0	8,315	17,450	20,793
Return From Excess Extractions	8	2,585	299	0	0	0
New Export Credit	9	0	0	0	0	0
New Deliveries Credit	10	0	0	0	0	0
Replenishment	11	7,238	14,266	12,622	18,717	18,999
Return from Imported Water	12	2,346	1,359	1,249	0	138
Return from New Conservation	13	0	0	0	0	0
Total Credits		12,169	15,924	22,186	36,167	39,930
ACCUMULATED CREDITS	14	621,042	636,966	659,152	695,319	735,249
OBLIGATIONS						
Extraction Obligation	15	7,181	830	0	0	0
Return From Under Extractions	16	0	0	2,993	6,282	7,485
New Export Obligation	17	13,977	16,168	10,340	13,616	23,164
New Deliveries Obligation	18	10,970	11,934	9,814	2,727	3,935
Total Obligations		32,128	28,932	23,147	22,625	34,584
ACCUMULATED OBLIGATIONS	14	511,592	540,524	563,671	586,296	620,880
(CREDIT) OR OBLIGATION	19	19,959	13,008	961	(13,542)	(5,346)
NET ACCUMULATED (CREDIT) OR OBLIGATION						
	14	(109,450)	(96,442)	(95,481)	(109,023)	(114,369)

ANNUAL ACCOUNTING FOR
SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT
EXTRACTIONS FROM SAN BERNARDINO BASIN AREA

- 1 See Table No. 2 of Watermaster Report
- 2 See Table No. 15A of Watermaster Report
- 3 See Table No. 15B of Watermaster Report
- 4 Extractions minus New Export minus New Deliveries
- 5 Adjusted Right minus Extractions Excluding New Export and New Deliveries, if positive
- 6 Extractions Excluding New Export and New Deliveries minus Adjusted Right, if positive
- 7 Amounts which may be extracted without replenishment obligation, which in fact are not extracted. Equals Under Extractions Excluding New Export and New Deliveries.
- 8 Return from Excess Extractions equals 36% of Extraction Obligation
- 9 New Export Credit equals New Export, if negative
- 10 New Deliveries Credit equals New Deliveries, if negative
- 11 See Volume 7, Table No. 14, Imported water recharged in SBBA
- 12 Return from Imported Water equals 36% of directed delivered Imported Water excluding In-Lieu Deliveries to BVMWC. See Volume 7, Table No. 15
- 13 Return from New Conservation equals 36% of New Conservation. See Table 2 of Watermaster Report
- 14 Accumulated values include amounts accumulated prior to current 5-year period
- 15 Equals Excess Extractions Excluding New Export and New Deliveries
- 16 Return from Under Extractions equals 36% of Extraction Credit
- 17 New Export Obligation equals New Export, if positive
- 18 New Deliveries Obligation equals New Deliveries, if positive
- 19 Net Credit or Obligation for this calendar year.

ANNUAL ACCOUNTING FOR
 ADDITIONAL EXTRACTIONS OF IMPORTED WATER
 FROM SAN BERNARDINO BASIN AREA
 BY WESTERN MUNICIPAL WATER DISTRICT
 (All Values in Acre-Feet)

		Calendar Years				
		2007	2008	2009	2010	2011
<u>ADDITIONAL EXTRACTIONS</u>						
Imported Water Acquired By Western	1	0	0	0	0	0
Extractions	2	2,459	7	0	0	0
<u>CREDITS</u>						
Imported Water Acquired By Western	1	0	0	2,459	0	0
Plaintiff Transfer To Western	3	0	0	0	0	0
Total Credits		0	0	2,459	0	0
ACCUMULATED CREDITS	4	6,000	6,000	8,459	8,459	8,459
<u>OBLIGATIONS</u>						
Extraction Obligation	5	2,459	0	0	0	0
Total Obligations		2,459	0	0	0	0
ACCUMULATED OBLIGATIONS	4	2,459	2,459	2,459	2,459	2,459
(CREDIT) OR OBLIGATION	6	2,459	0	(2,459)	0	0
NET ACCUMULATED						
(CREDIT) OR OBLIGATION	4	(3,541)	(3,541)	(6,000)	(6,000)	(6,000)

ANNUAL ACCOUNTING FOR
ADDITIONAL EXTRACTIONS OF IMPORTED WATER
FROM SAN BERNARDINO BASIN AREA
BY WESTERN MUNICIPAL WATER DISTRICT

- 1 Imported water acquired by Western and replenished pursuant to the August 18, 2004 Western-San Bernardino agreement for additional extractions by Western prepared in accordance with Paragraph VI(b)6 and XV(a) of the Judgment.*
- 2 Extraction by Western or extractions by Plaintiffs of imported water transferred from Western of Western imported water stored in San Bernardino Basin Area.*
- 3 Pursuant to paragraph 11 of 2013 Agreement Regarding Additional Extractions of New Conservation Water from San Bernardino Basin Area, July 17, 2013.*
- 4 Accumulated values include amounts accumulated prior to current 5-year period. Credit represents the amount by which replenishment has exceeded extractions. The amount of Accumulated Credit may be extracted by Western at any time, or transferred to any Plaintiff to extract in addition to whatever rights such transferee may have. To the extent permitted by agreement with San Bernardino Valley Municipal Water District, if extractions have been made prior to replenishment, the Accumulated Obligation reflects the amount of future replenishment that must be made.*
- 5 Equals Extractions.*
- 6 Credit or Obligation for this calendar year.*
- 7 Transferred to City of Riverside in 2007. See Table No. 3A-2 of Watermaster Report.*

ANNUAL ACCOUNTING FOR
ADDITIONAL EXTRACTIONS OF NEW CONSERVATION WATER
FROM SAN BERNARDINO BASIN AREA
BY CITY OF RIVERSIDE

(All Values in Acre-Feet)

	Calendar Years					
	2013	2014	2015	2016	2017	
<u>ADDITIONAL EXTRACTIONS</u>						
New Conservation Allocation	1	9,635	6	0	0	0
Additional Extractions	2	0	0	0	0	0
<u>CREDITS</u>						
New Conservation Allocation	1	9,635	6	0	0	0
Transfer From Another Plaintiff	3	0	0	0	0	0
Total Credits		9,635	0	0	0	0
ACCUMULATED CREDITS	4	9,635	9,635	9,635	9,635	9,635
<u>OBLIGATIONS</u>						
Additional Extractions	2	0	0	0	0	0
Transfer To Another Plaintiff	3	0	0	0	0	0
Total Obligations		0	0	0	0	0
ACCUMULATED OBLIGATIONS	4	0	0	0	0	0
(CREDIT)	5	(9,635)	0	0	0	0
NET ACCUMULATED (CREDIT)	4	(9,635)	(9,635)	(9,635)	(9,635)	(9,635)

ANNUAL ACCOUNTING FOR
ADDITIONAL EXTRACTIONS OF NEW CONSERVATION WATER
FROM SAN BERNARDINO BASIN AREA
BY CITY OF RIVERSIDE

- 1 *New Conservation Allocation pursuant to a specific VI(b)6 agreement. See footnote next to allocation in the year it occurs.*
- 2 *Extraction by Plaintiff of its New Conservation Allocation water in San Bernardino Basin Area.*
- 3 *Transfer of New Conservation Allocation water from or to another Plaintiff's Additional Extraction account to or from City of Riverside's Additional Extraction account.*
- 4 *Accumulated values include amounts accumulated prior to current 5-year period. Accumulated Credit represents the amount by which Accumulated Credits have exceeded Accumulated Obligations. The amount of Net Accumulated Credit may be extracted by City of Riverside at any time, or transferred to any other Plaintiff to extract in addition to whatever rights such transferee may have.*
- 5 *Credit for this calendar year.*
- 6 *Credited to City of Riverside's account pursuant to Paragraph 3(a) of 2013 Agreement Regarding Additional Extractions of New Conservation Water From The San Bernardino Basin Area.*

ANNUAL ACCOUNTING FOR
 ADDITIONAL EXTRACTIONS OF NEW CONSERVATION WATER
 FROM SAN BERNARDINO BASIN AREA
 BY RIVERSIDE HIGHLAND WATER COMPANY

(All Values in Acre-Feet)

	Calendar Years					
	2013	2014	2015	2016	2017	
<u>ADDITIONAL EXTRACTIONS</u>						
New Conservation Allocation	1	793	6	0	0	0
Additional Extractions	2	0	0	0	0	0
<u>CREDITS</u>						
New Conservation Allocation	1	793	6	0	0	0
Transfer From Another Plaintiff	3	0	0	0	0	0
Total Credits		793	0	0	0	0
ACCUMULATED CREDITS	4	793	793	793	793	793
<u>OBLIGATIONS</u>						
Additional Extractions	2	0	0	0	0	0
Transfer To Another Plaintiff	3	0	0	0	0	0
Total Obligations		0	0	0	0	0
ACCUMULATED OBLIGATIONS	4	0	0	0	0	0
(CREDIT)	5	(793)	0	0	0	0
NET ACCUMULATED (CREDIT)	4	(793)	(793)	(793)	(793)	(793)

ANNUAL ACCOUNTING FOR
ADDITIONAL EXTRACTIONS OF NEW CONSERVATION WATER
FROM SAN BERNARDINO BASIN AREA
BY RIVERSIDE HIGHLAND WATER COMPANY

- 1 *New Conservation Allocation pursuant to a specific VI(b)6 agreement. See footnote next to allocation in the year it occurs.*
- 2 *Extraction by Plaintiff of its New Conservation Allocation water in San Bernardino Basin Area.*
- 3 *Transfer of New Conservation Allocation water from or to another Plaintiff's Additional Extraction account to or from Riverside Highland Water Company's Additional Extraction account.*
- 4 *Accumulated values include amounts accumulated prior to current 5-year period. Accumulated Credit represents the amount by which Accumulated Credits have exceeded Accumulated Obligations. The amount of Net Accumulated Credit may be extracted by Riverside Highland Water Company at any time, or transferred to any other Plaintiff to extract in addition to whatever rights such transferee may have.*
- 5 *Credit for this calendar year.*
- 6 *Credited to Riverside Highland Water Company's account pursuant to Paragraph 3(c) of 2013 Agreement Regarding Additional Extractions of New Conservation Water From The San Bernardino Basin Area.*

ANNUAL ACCOUNTING FOR
 ADDITIONAL EXTRACTIONS OF NEW CONSERVATION WATER
 FROM SAN BERNARDINO BASIN AREA
 BY AGUA MANSA WATER COMPANY AND MEEKS & DALEY WATER COMPANY

(All Values in Acre-Feet)

	Calendar Years					
	2013	2014	2015	2016	2017	
<u>ADDITIONAL EXTRACTIONS</u>						
New Conservation Allocation	1	1,448	6	0	0	0
Additional Extractions	2	0	0	0	0	0
<u>CREDITS</u>						
New Conservation Allocation	1	1,448	6	0	0	0
Transfer From Another Plaintiff	3	0	0	0	0	0
Total Credits		1,448	0	0	0	0
ACCUMULATED CREDITS	4	1,448	1,448	1,448	1,448	1,448
<u>OBLIGATIONS</u>						
Additional Extractions	2	0	0	0	0	0
Transfer To Another Plaintiff	3	0	0	0	0	0
Total Obligations		0	0	0	0	0
ACCUMULATED OBLIGATIONS	4	0	0	0	0	0
(CREDIT)	5	(1,448)	0	0	0	0
NET ACCUMULATED (CREDIT)	4	(1,448)	(1,448)	(1,448)	(1,448)	(1,448)

ANNUAL ACCOUNTING FOR
ADDITIONAL EXTRACTIONS OF NEW CONSERVATION WATER
FROM SAN BERNARDINO BASIN AREA
BY AGUA MANSA WATER COMPANY AND MEEKS & DALEY WATER COMPANY

- 1 *New Conservation Allocation pursuant to a specific VI(b)6 agreement. See footnote next to allocation in the year it occurs.*
- 2 *Extraction by Plaintiff of its New Conservation Allocation water in San Bernardino Basin Area.*
- 3 *Transfer of New Conservation Allocation water from or to another Plaintiff's Additional Extraction account to or from Agua Mansa Water Company and Meeks & Daley Water Company's Additional Extraction account.*
- 4 *Accumulated values include amounts accumulated prior to current 5-year period. Accumulated Credit represents the amount by which Accumulated Credits have exceeded Accumulated Obligations. The amount of Net Accumulated Credit may be extracted by Agua Mansa Water Company and Meeks & Daley Water Company at any time, or transferred to any other Plaintiff to extract in addition to whatever rights such transferee may have.*
- 5 *Credit for this calendar year.*
- 6 *Credited to Agua Mansa Water Company and Meeks & Daley Water Company's account pursuant to Paragraph 3(b) of 2013 Agreement Regarding Additional Extractions of New Conservation Water From The San Bernardino Basin Area.*

ANNUAL ACCOUNTING FOR
 ADDITIONAL EXTRACTIONS OF NEW CONSERVATION WATER
 FROM SAN BERNARDINO BASIN AREA
 BY THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

(All Values in Acre-Feet)

	Calendar Years					
	2013	2014	2015	2016	2017	
<u>ADDITIONAL EXTRACTIONS</u>						
New Conservation Allocation	1	98	6	0	0	0
Additional Extractions	2	0	0	0	0	0
<u>CREDITS</u>						
New Conservation Allocation	1	98	6	0	0	0
Transfer From Another Plaintiff	3	0	0	0	0	0
Total Credits		98	0	0	0	0
ACCUMULATED CREDITS	4	98	98	98	98	98
<u>OBLIGATIONS</u>						
Additional Extractions	2	0	0	0	0	0
Transfer To Another Plaintiff	3	0	0	0	0	0
Total Obligations		0	0	0	0	0
ACCUMULATED OBLIGATIONS	4	0	0	0	0	0
(CREDIT)	5	(98)	0	0	0	0
NET ACCUMULATED (CREDIT)	4	(98)	(98)	(98)	(98)	(98)

ANNUAL ACCOUNTING FOR
ADDITIONAL EXTRACTIONS OF NEW CONSERVATION WATER
FROM SAN BERNARDINO BASIN AREA
BY THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

- 1 *New Conservation Allocation pursuant to a specific VI(b)6 agreement. See footnote next to allocation in the year it occurs.*
- 2 *Extraction by Plaintiff of its New Conservation Allocation water in San Bernardino Basin Area.*
- 3 *Transfer of New Conservation Allocation water from or to another Plaintiff's Additional Extraction account to or from The Regents of The University of California's Additional Extraction account.*
- 4 *Accumulated values include amounts accumulated prior to current 5-year period. Accumulated Credit represents the amount by which Accumulated Credits have exceeded Accumulated Obligations. The amount of Net Accumulated Credit may be extracted by The Regents of The University of California at any time, or transferred to any other Plaintiff to extract in addition to whatever rights such transferee may have.*
- 5 *Credit for this calendar year.*
- 6 *Credited to The Regents of The University of California's account pursuant to Paragraph 3(d) of 2013 Agreement Regarding Additional Extractions of New Conservation Water From The San Bernardino Basin Area.*

ANNUAL ACCOUNTING FOR
 ADDITIONAL EXTRACTIONS OF NEW CONSERVATION WATER
 FROM SAN BERNARDINO BASIN AREA
 BY SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT

(All Values in Acre-Feet)

	Calendar Years					
	2013	2014	2015	2016	2017	
<u>ADDITIONAL EXTRACTIONS</u>						
New Conservation Allocation	1	30,866	6	0	0	0
Additional Extractions	2	0	0	0	0	0
<u>CREDITS</u>						
New Conservation Allocation	1	30,866	6	0	0	0
Transfer	3	0	0	0	0	0
Total Credits		30,866	0	0	0	0
ACCUMULATED CREDITS	4	30,866	30,866	30,866	30,866	30,866
<u>OBLIGATIONS</u>						
Additional Extractions	2	0	0	0	0	0
Transfer	3	0	0	0	0	0
Total Obligations		0	0	0	0	0
ACCUMULATED OBLIGATIONS	4	0	0	0	0	0
(CREDIT)	5	(30,866)	0	0	0	0
NET ACCUMULATED (CREDIT)	4	(30,866)	(30,866)	(30,866)	(30,866)	(30,866)

ANNUAL ACCOUNTING FOR
ADDITIONAL EXTRACTIONS OF NEW CONSERVATION WATER
FROM SAN BERNARDINO BASIN AREA
BY SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT

- 1** *New Conservation Allocation pursuant to a specific VI(b)6 agreement. See footnote next to allocation in the year it occurs.*
- 2** *Extraction by users within San Bernardino Valley of New Conservation Allocation water in San Bernardino Basin Area.*
- 3** *Transfer of New Conservation Allocation water to San Bernardino Valley Municipal Water District's Additional Extraction account.*
- 4** *Accumulated values include amounts accumulated prior to current 5-year period. Accumulated Credit represents the amount by which Accumulated Credits have exceeded Accumulated Obligations. The amount of Net Accumulated Credit may be extracted by San Bernardino Valley Municipal Water District at any time, or transferred.*
- 5** *Credit for this calendar year.*
- 6** *Credited to San Bernardino Valley Municipal Water District's account pursuant to Paragraph 4 of 2013 Agreement Regarding Additional Extractions of New Conservation Water From The San Bernardino Basin Area.*

TABLE NO. 18

SUMMARY OF COMPLIANCE WITH FOUR
PRINCIPAL PROVISIONS OF THE JUDGMENT

COMPLIANCE IN THE SAN BERNARDINO BASIN AREA

■ PLAINTIFF EXTRACTATIONS ARE LESS THAN THE
MAXIMUM ALLOWABLE EXTRACTATIONS

During the five-year period 2007 through 2011 extractions by Plaintiffs did not exceed the maximum allowable which is five times the annual Adjusted Right (See Page 2b of 2 of Table Nos. 10 through 13) Also, in calendar year 2011 extractions by each Plaintiff did not exceed the maximum allowable, which is 1.3 times the annual Adjusted Right. (See Page 1b of 2 of Table Nos. 10 through 13)

■ SAN BERNARDINO VALLEY IS NOT REQUIRED TO
PROVIDE REPLENISHMENT

For the period 1971 through 2011, San Bernardino Valley credits exceed obligation by 114,369 AF. (See Table No. 17)

COMPLIANCE IN THE COLTON AND RIVERSIDE BASIN AREAS

■ WESTERN IS NOT REQUIRED TO PROVIDE
REPLENISHMENT

For the period 1971 through 2011, Western credits exceed obligations by 424,047 AF. (See Table No. 16)

■ SAN BERNARDINO VALLEY IS NOT REQUIRED TO
PROVIDE REPLENISHMENT FOR MAINTAINING
GROUNDWATER LEVEL

The average lowest water level in the three key wells for calendar year 2012 is 13.85 feet higher than the required minimum average level of 822.04 feet. (See Chapter V)