

MOJAVE BASIN AREA WATERMASTER

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

May 1, 2020

**TO: Clerk of the Superior Court
of Riverside County, California**

RE: Watermaster Annual Report for Water Year 2018-19

Pursuant to Judgment After Trial in the case of City of Barstow, et al., vs. City of Adelanto, et al., Case No. 208568 entered January 10, 1996, submitted herewith is the Twenty-sixth Annual Report of the Mojave Basin Area Watermaster, dated May 1, 2020, setting forth the activities and determinations of the Watermaster for Water Year 2018-19.

Respectfully submitted,

MOJAVE BASIN AREA WATERMASTER

By: *V. Wiegstein*
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Jeanette Hayhurst, Vice Chairman
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TWENTY-SIXTH ANNUAL REPORT

OF THE

MOJAVE BASIN AREA WATERMASTER

WATER YEAR 2018-19

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

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MOJAVE BASIN AREA WATERMASTER
FOR WATER YEAR 2018-19**

TABLE OF CONTENTS

CHAPTER 1

	<u>Page</u>
INTRODUCTION.....	1
Scope of Report.....	1
History of Litigation	2
Summary of the Judgment	4
The Physical Solution	6

CHAPTER 2

SUMMARY OF WATERMASTER ACTIVITIES	9
Transfers	9
Rules and Regulations.....	10
Biological Resources Trust Fund.....	10
Storage Agreements	10
Subarea Advisory Committees	12
Water Production and Verification	13
Quantifying Production not Under the Judgment	13
Streamflow, Precipitation and Other Data	14
Related MWA Activities.....	15

CHAPTER 3

WATER SUPPLY CONDITIONS	19
Precipitation during 2018-19	19
Runoff during 2018-19	19
At the Forks.....	21
At Lower Narrows	21
At Barstow	21
At Afton	21
Wastewater Imports	22
Victor Valley Wastewater Reclamation Authority Wastewater Effluent Discharges	22
Imported Water Deliveries by MWA	23
Transition Zone Water Levels	24
Transition Zone Water Balance	25
Subarea Water Levels	27
State of the Basin	29

CHAPTER 4

STATUS OF REPLACEMENT WATER AND MAKEUP WATER OBLIGATIONS	32
Replacement Water	32
Makeup Water.....	33

CHAPTER 5

FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21.....	36
--	-----------

CHAPTER 6

FINANCIAL REPORT PROPOSED BUDGET AND ASSESSMENT RATES	41
Income Statement/Balance Sheet Summary	41
Biological Resources Trust Fund Summary	41
Administrative Budget for 2020-21	41
Summary of Makeup Water Purchases.....	41
Summary of Replacement Water Purchases	42
Administrative and Biological Assessment Rates for 2020-21	42
Projected Replacement and Makeup Water Assessment Rates for 2019-20 and 2020-21	42

TABLES

	<u>Title</u>	<u>Page</u>
2-1	Administrative Budget and Assessment Rates for Water Year 2019-20.....	11
3-1	Monthly Discharge Amounts for Water Year 2018-19	20
3-2	Annual Change in Storage by Subarea for Water Year 2018-19.....	31
4-1	Summary of Replacement Water Obligations and Replacement Water Assessments for Water Year 2018-19.....	33
4-2	Status of Subarea Obligations at the End of Water Year 2018-19	34
4-3	Status of Alto Subarea Obligations for Water Years 2009-10 through 2018-19.....	35
5-1	Subarea Hydrological Inventory Based on Long Term Average Natural Water Supply and Outflow and 2017-18 Imports and Consumptive Use	40
6-1	Administrative Budget for Water Year 2020-21	43

FIGURES

	<u>Title</u>	Following Page
3-1	Precipitation Characteristics, Mojave River Watershed	19
3-2	Seasonal Precipitation at Victorville Pump Plant and Seasonal Precipitation at Barstow Fire Station	19
3-3	Discharge Characteristics, Mojave River at the Forks.....	21
3-4	Seasonal Discharge of Mojave River at Lower Narrows and Seasonal Annual Discharge of Victor Valley Wastewater Reclamation Authority to Mojave River	21
3-5	Seasonal Discharge of Mojave River at Barstow and Seasonal Discharge of Mojave River at Afton.....	21
3-6	Alto Transition Zone – Location of Water Level Monitoring Wells.....	26
3-7	North Transition Zone Water Level Hydrographs.....	26
3-8	Middle Transition Zone Water Level Hydrographs.....	26
3-9	South Transition Zone Water Level Hydrographs.....	26
3-10	Transition Zone Water Balance	26
3-11	Alto Subarea (West Portion) Water Level Hydrographs and Map	28
3-12	Alto Subarea (East Portion) Water Level Hydrographs and Map	28
3-13	Alto Subarea (Transition Zone Area) Water Level Hydrographs and Map.....	28
3-14	Baja Subarea Water Level Hydrographs and Map	28
3-15	Centro Subarea Water Level Hydrographs and Map.....	28
3-16	Este Subarea Water Level Hydrographs and Map.....	28
3-17	Oeste Subarea Water Level Hydrographs and Map.....	28
3-18	State of the Basin-Alto Subarea Net Change in Storage.....	31
3-19	State of the Basin-Centro Subarea Net Change in Storage.....	31
3-20	State of the Basin-Baja Subarea Net Change in Storage	31
3-21	State of the Basin-Este Subarea Net Change in Storage.....	31
3-22	State of the Basin-Oeste Subarea Net Change in Storage.....	31

APPENDICES

Title

- A. Map of the Mojave Basin Area
- B. Producer Replacement Water and Makeup Water Obligations and Assessments Due for 2018-19
- C. Separation of Flow Components at Lower Narrows and Afton for 2018-19
- D. Calculation of Subsurface Flows between Subareas [Reserved]
- E. Transfers of Base Annual Production, Free Production Allowance and Prior Year Carryover
- F. Balances in Storage Agreements
- G. Auditor's Report as of June 30, 2019
- H. Free Production Allowance for Water Year 2019-20 and Proposed Free Production Allowance for Water Year 2020-21
- I. Amended Appendix B for Water Year 2017-18 Reconciled for Carryover Transfers In Lieu of Payment of Replacement and Makeup Water Assessments and All Other Errata
- J. Mojave Basin Area Watermaster--Notice List
- K. Permanent Transfers of Base Annual Production Right, 2018-19 Water Year
- L. Published Separately

APPENDIX L

(Published Separately)

	<u>Page</u>
Introduction	I
Mojave Basin Area Water Production Facilities, Cross Index by Owner	1
Mojave Basin Area Water Production Facilities, Cross Index by State Well Number	55
<u>TABLE 1</u>	
Mojave Basin Area Verified Production by Owner and Facility	109
<u>TABLE 1A</u>	
Mojave Basin Area Verified Production for Aquaculture and Recreational Lake Purposes	222
<u>TABLE 2</u>	
Mojave Basin Area Summary of Verified Production, Owner Total	224
<u>TABLE 3</u>	
Mojave Basin Area Summary of Verified Production in Alto Subarea, Owner Total	243
<u>TABLE 4</u>	
Mojave Basin Area Summary of Verified Production in Baja Subarea, Owner Total	249

TABLE 5

Mojave Basin Area Summary of Verified Production in Centro Subarea, Owner Total	257
---	-----

TABLE 6

Mojave Basin Area Summary of Verified Production in Este Subarea, Owner Total	260
---	-----

TABLE 7

Mojave Basin Area Summary of Verified Production in Oeste Subarea, Owner Total	263
--	-----

TABLE 8

Mojave Basin Area Permanent Transfers of Base Annual Production Right October 1, 1993 Through September 30, 2019	264
--	-----

TABLE 9

Mojave Basin Area Facility Transfers Reported to Watermaster October 1, 1993 Through September 30, 2019	288
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CHAPTER 1

INTRODUCTION

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

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

Scope of Report

This Report summarizes most of the information required by the Stipulated Judgment and includes a summary of the Watermaster activities and water supply conditions for Water Year 2018-19. Appendix L to this report consists of a detailed accounting of surface water and groundwater production for Water Year 2018-19. Also included in Appendix L is a list of Base Annual Production (“BAP”) transfers and changes in ownership. Following is a list of the specific items required by the Judgment and where they may be found in the Report.

- a. Fiscal Report: Chapter 6
- b. Review of Watermaster Activities: Chapter 2
- c. Replacement and Makeup Obligations: Chapter 4 and Appendix B
- d. Hydrologic Data: Chapter 3
- e. Purchase of Supplemental Water: Chapter 6
- f. Recharge with Supplemental Water: Chapter 4
- g. Notice List: Appendix J
- h. Rules and Regulations Adopted: Chapter 2
- i. Proposed Administrative Budget for 2020-21: Chapter 6
- j. Transfers of Base Annual Production Rights: Appendix E, K & L (Table 8)

- k. Transfers of Free Production Allowance during 2018-19: Appendix E
- l. Proposed Free Production Allowances for Subareas: Chapter 5 and Appendix H
- m. Summary of Water Production: Appendix B and Appendix L (Tables 1-7)
- n. Replacement Water Assessments: Appendix B
- o. Makeup Water Assessments: Appendix B
- p. Proposed Administrative and Biological Assessment Rates for 2020-21: Chapter 6
- q. Projected Replacement and Makeup Water Assessment Rates for 2019-20 and 2020-21: Chapter 6
- r. Status of Subarea Obligations: Chapter 4
- s. Biological Trust Fund Financial Report: Chapter 6
- t. Auditor's Report: Appendix G

History of Litigation

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

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

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

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

Over 75 percent of the parties agreed to the Stipulated Judgment, which was entered by the Court on September 22, 1993, binding all stipulating parties. After entry of the Stipulated Judgment, additional parties agreed to its terms. These parties represented over 80 percent of the verified water production in the Basin. A trial of the claims of the non-stipulating parties began on February 6, 1995 and was completed on March 21, 1995. Final Judgment was entered on January 10, 1996 adopting the physical solution set forth in the Stipulated Judgment.

Fourth District Court of Appeal and California Supreme Court Review. Nine non-stipulating parties referred to as the "Cardozo Group" chose to appeal the Judgment entered by the Superior Court. The Appellate Court issued a Tentative Opinion in April 1998 and received oral argument from both the stipulating and non-stipulating parties in May 1998. The Appellate Court issued its final opinion on June 1, 1998. The final opinion affirmed in part and reversed in part the Superior Court Judgment by excluding specific non-stipulating parties (the Cardozo Group) from the Superior Court Judgment and at the same time affirming it as to the stipulating parties. The decision also remanded the issue of the amount of transferable production rights for Jess Ranch Water Company back to the Superior Court for a new determination.

The MWA board voted in June 1998 to seek California Supreme Court Review of the Appellate Court's decision. A petition for review was filed with the Supreme Court in July 1998 and the Supreme Court granted review of the case on August 26, 1998. Oral Arguments were heard by the Supreme Court on June 5, 2000 and its opinion was issued on August 21, 2000. The Supreme Court's opinion affirmed in part and reversed in part the June 1, 1998 opinion of the Fourth District Court of Appeal. The Supreme Court affirmed the Court of Appeal's decision "in

all respects,” except it reversed the Court of Appeal decision as to the Jess Ranch Water Company.

The Court of Appeal had affirmed the Judgment as to the stipulating parties but had reversed it as to the Cardozo Appellants and as to Jess Ranch Water Company. The Court of Appeal opinion essentially excluded the Cardozo Appellants from the Stipulated Judgment, including the Judgment’s assessment provisions. Further, the Court of Appeal granted Judgment to the Cardozo Appellants in the form of injunctive relief to protect their riparian and overlying water rights to the current and prospective reasonable and beneficial need for water on their respective properties.

Final Resolution of Cardozo Group and Jess Ranch Water Company Appellants. Effective August 6, 2002 the Cardozo appellants and MWA, on behalf of the stipulating parties, reached agreement regarding the Cardozo appellants’ water rights. Consistent with the ruling from the California Supreme Court in this case, Cardozo Group’s right to pump water from the ground underneath their respective lands for the current and prospective reasonable and beneficial need for water on their respective properties was recognized by the Stipulating parties. Further, to settle all outstanding issues in connection with the Cardozo Group water rights, MWA and Cardozo agreed that “if the parties who stipulated to the Judgment are in full compliance with the Judgment there shall be a rebuttable presumption that the Cardozo Appellants’ water rights are not being interfered with.”

In addition, all remaining water rights issues related to Jess Ranch Water Company and the Stipulating Parties were settled on August 16, 2002. Stipulation for Intervention and Entry of Judgment for Jess Ranch Water Company was filed in Riverside County Superior Court on August 23, 2002.

Summary of the Judgment

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

between the Subareas over the 60-year period 1930-31 through 1989-90. If the Subarea obligation is not met, Producers of water that does not bear a replacement obligation in the upstream Subarea must provide makeup water.

To maintain proper water balances within each Subarea, the Judgment establishes a decreasing Free Production Allowance (“FPA”) in each Subarea during the first five years and provides for the Court to review and adjust, as appropriate, the FPA for each Subarea annually thereafter. The FPA is allocated among the Producers in the Subarea based on each Producer’s percentage share of the FPA. All water produced in excess of any Producer’s share of the FPA must be replaced by the Producer, normally by payment to the Watermaster of funds sufficient to purchase Replacement Water.

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

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

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

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

The Physical Solution

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

Water Year 1993-94	-	100 %
Water Year 1994-95	-	95 %
Water Year 1995-96	-	90 %
Water Year 1996-97	-	85 %
Water Year 1997-98	-	80 %

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

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

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

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

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

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

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

The Judgment sets forth some rules governing transfers. The rules are designed to assure that the total consumptive use within a Subarea does not increase as a result of any transfer.

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

In the event standards are not met, a trust fund is established by the Judgment to provide money to buy water, construct wells or other projects proposed by the California Department of Fish and Wildlife (“DFW”). The trust fund, which is capped initially at \$1,000,000.00 (in 1993 dollars), will be financed by an escalating per acre-foot assessment on production beginning at \$0.50.

Producer Responsibilities: Reporting and Assessments. Each Producer is responsible for reporting accurately the amount of water produced and for paying all applicable assessments promptly. Any transfer of BAP or FPA or change in purpose of use must also be reported.

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

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

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

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

CHAPTER 2

SUMMARY OF WATERMASTER ACTIVITIES

During Water Year 2018-19, the Mojave Basin Area Watermaster consisted of Carl Coleman, Kimberly Cox, Richard Hall, Jeanette Hayhurst, Mike Page, Thurston Smith and Jim Ventura. Jim Ventura and Jeanette Hayhurst served as Chairman and Vice Chairman respectively. Tom McCarthy served as Executive Officer, Joanne James as Secretary and Kathy Cortner as Treasurer.

The first Watermaster meeting of the 2018-19 Water Year was held on October 24, 2018 and six additional meetings were held throughout the year. Copies of the minutes of the meetings as well as other official records are maintained and available at the office of the Watermaster, which is located at 13846 Conference Center Drive, Apple Valley, CA 92307.

As required by the Judgment, the Watermaster prepared the Twenty-fifth Annual Report of the Mojave Basin Area Watermaster for Water Year 2017-18, which was published under the date May 1, 2019.

Watermaster adopted recommendations for FPA for Water Year 2019-20 as indicated in Watermaster's Twenty-fifth Annual Report to the Court. The Court subsequently adopted Watermaster's recommendations, but modified the recommendation for Alto Agriculture, Este and Centro. The modifications are included in the Court's Order dated July 23, 2019.

Actions taken by the Watermaster during the year included acceptance of the Report on Audit for Fiscal Year 2017-18, approval of the Administrative Budget for Water Year 2019-20, and approval of Replacement, Makeup, Administrative and Biological Assessment Rates for Water Year 2019-20. The Administrative Budget and Assessment Rates for 2019-20 were adopted and are summarized on Table 2-1.

Transfers

There were 209 transfers of FPA and Carryover FPA during the year. These transfers are reported in Appendix E. There were 22 transfers of BAP. Transfers of BAP are reported in Appendix E, K & L (Table 8). Any additional transfers of unused 2018-19 FPA that may take place prior to June 1, 2020 will be reported in Appendix E of the Watermaster's Annual Report for 2019-20.

Rules and Regulations

The Rules and Regulations that were adopted by Watermaster June 30, 1994 and revised December 11, 1996, March 23, 2005 and October 29, 2008 remain in effect.

Biological Resources Trust Fund

The Biological Resources Assessment Rate for 2018-19 was \$0.94 per acre-foot. Expenditures from the Biological Resources Trust Fund during the year for DFW projects totaled \$138,833.83. The Biological Resources Assessment Rate for 2019-20 was increased to \$0.95 per acre-foot.

Storage Agreements

A Storage Agreement between Watermaster and MWA covering each Subarea was approved during the 1994-95 Water Year. In September 2016 an amendment and a 20-year extension to 2036 was approved by Watermaster, per the terms of the agreement. In October 2018, an amendment was approved by Watermaster to increase the storage limit for Baja from 23,000 acre-feet to 50,000 acre-feet.

Watermaster entered into a storage agreement with Victorville Water District (formerly VVWD) in June 2002. Per the terms of the agreement, an extension to June 30, 2022 was approved by Watermaster. Another Storage Agreement was entered into with Victorville Water District under different terms in July 2016 for a period of two years. This agreement was extended by Watermaster for an additional 10 years in Oct 2018. The status of each storage account is reported in Appendix F.

TABLE 2-1

**MOJAVE BASIN AREA WATERMASTER
ADMINISTRATIVE BUDGET AND ASSESSMENT RATES
FOR WATER YEAR 2019-20**

ADMINISTRATIVE BUDGET

1.	Administrative Services	\$ 353,267.00
2.	Engineering Services	\$ 93,500.00
3.	Legal Services	\$ 60,000.00
4.	Audit Services	\$ 3,700.00
Total Estimated Budget		\$ <u>510,467.00</u>

ASSESSMENT RATES

1. Administrative
\$3.55/acre-foot of Production
2. Biological
\$ 0.95/acre-foot of Production
3. Replacement and Makeup Water
2018-19 \$591.00 /acre-foot¹
(6/1/20 Invoice Date)
2019-20 “*Not to exceed*” \$652.00 /acre-foot²
(6/1/21 Invoice Date)

^{1.} The rate adopted for Water Year 2018-19 was adopted by the Mojave Water Agency on January 9, 2020 pursuant to Resolution No. 1082-20 in accordance with the changes to the Watermaster Rules and Regulations adopted October 29, 2008.

^{2.} This rate is for obligations incurred in the 2019-20 Water Year which will be billed in June 2021. The fixed rate that will be used for invoicing will be determined by the Mojave Water Agency in February 2021.

Subarea Advisory Committees

The Judgment requires that every third year the Subarea Advisory Committees elect new members. Each Subarea Advisory Committee consists of five members elected by the producers, with the California Department of Fish and Wildlife acting as an ex-officio member on the Alto and Baja Committees. Nominations, voting and tabulation of results were conducted by Watermaster during January, February and March 2018.

The Subarea Advisory Committees during the 2018-19 Water Year were made up as follows:

ALTO SUBAREA

City of Victorville*
Steve Samaras
San Bernardino County Service Areas
Craig Carlson
Helendale Community Services District
Tina Souza
Hesperia Water District
Bobby Boytor
Mojave Resource Management LLC
California Department of Fish & Game **

BAJA SUBAREA

Annette (Netta) DeJong
Ellen Johnson*
Calico Lakes Homeowners Association
Jeff Gaastra
Newberry Springs Recreational Lake
Association
Lee Hiett
Daggett Community Services District
California Department of Fish & Game **

CENTRO SUBAREA

Dale Ruisch
Golden State Water Company*
Eldert Van Dam
City of Victorville
Bobby Boytor
Mojave Resource Management LLC

ESTE SUBAREA

Chuck Bell*
Golden State Water Company
James Pettigrew
David Rib
Mitsubishi Cement Corporation
Richard Selby

OESTE SUBAREA

Kent T. Christensen
Aerochem, Inc.
--Vacant Seat--
--Vacant Seat--
--Vacant Seat--
--Vacant Seat--

* Chairperson
** Ex-officio Member

Water Production and Verification

In order to document water usage and to determine each Producer's Replacement Water and Makeup Water Obligations, the Judgment provides for the collection, analysis and verification of annual water production by Producers within each of the five Subareas beginning with Water Year 1993-94. All Producers are required to file quarterly statements (or as otherwise specified in the Rules and Regulations) of production. Verification of production for Water Year 2018-19 was conducted by the Watermaster staff and included verification of all parties to the Judgment. The verified production of all parties for Water Year 2018-19 is assembled and presented in Appendix B and Appendix L (Tables 1-7).

The Watermaster obtained protective orders from the Court in 1992 and 2005 for access and use of annual electrical data from the local service provider Southern California Edison Company (SCE). This data is essential for the verification of water production of parties within the Mojave Basin Area. Pursuant to the protective order, all data is confidential and can only be used by Watermaster for the purpose of calculating water production. This data may not be disseminated to the public in any way. All parties are notified of the release of this information at least 30 days ahead of time and have the option to decline the release of this data. An indemnity clause within the order protects SCE from any potential complaint.

Section 11 of the Rules and Regulations sets forth the criteria for monitoring production. The Watermaster informed Producers of their responsibility to measure production in accordance with the terms of the Judgment and the Rules and Regulations by letter on July 1, 2019. Watermaster will continue its efforts to obtain voluntary compliance with the Rules and Regulations from each Producer.

Quantifying Production not Under the Judgment

Starting in 2015, Watermaster began an effort to review, catalog and quantify uses of water that may be over 10 acre-feet per year which are not currently included in the Judgment. Watermaster obtains aerial photographs encompassing the Mojave Basin Area annually and uses them to assist in annual water production verification for parties to the Judgment. In that effort Watermaster also reviews the photographs to identify properties where water might be produced but where the property and owner are not currently subject to the Judgment. Properties are identified and the extent (acreage) of disturbed lands is estimated from the aerial photographs.

Identifying these parties requires detailed evaluation of hundreds of photographs throughout the 3,400 square mile area of the basin.

Watermaster maintains a database of the parties identified with information such as current owner, addresses, assessor parcel number, estimates of potential water use, crops and land uses. Potential water use was calculated based on climate data and assumptions about crops and land uses as seen on the aerial photographs. In some cases, physical inspection of the property is performed (on a drive by basis) if warranted from the size of the disturbance shown on the photographs or to fully identify crop types. Watermaster has coordinated with the Subarea Advisory Committees as well as obtained information from local residents and water purveyors to identify subject properties.

In the 2016 and 2017 (follow-up in 2018) from the evaluations conducted and at the direction of the Watermaster Board, Watermaster staff and the engineer engaged the parties that were identified through a detailed letter describing the Judgment and potential obligations of producers pumping in excess of 10 acre-feet under the Judgment. Subsequently, staff personally met with over half of the identified parties on a voluntary basis. Voluntary stipulations to the Judgment were obtained from 7 of these parties (generally the larger pumpers). Many of those engaged indicated that they were not pumping more than 10 acre-feet per year, however, most did not have data to support their level of water production. Many of the small producers that pump less than 10 acre-feet per year have established small orchards with young trees where water demand is small. The demand will increase as the trees age, grow, and produce fruit. Those producers may in time exceed 10 acre-feet per year and will need to be managed in some manner so as not to exacerbate overdraft.

Watermaster continues to pursue obtaining voluntary compliance from these pumpers and ask that they consider stipulating to the Judgment. The process of identifying, tracking and public outreach continues as part of Watermaster's annual evaluations of the Basin Area.

Streamflow, Precipitation and Other Data

Various data, including streamflow and precipitation data, are needed to estimate the natural water supplies accruing to each Subarea and to calculate compliance with certain Subarea obligations. Streamflow data required by the Watermaster was furnished by the U.S. Geological Survey ("USGS"). The MWA, under a Cooperative Agreement with the USGS, currently funds 50 percent of the stream gage operation and maintenance at the Deep Creek, Lower Narrows,

Barstow and Afton stations. The U.S. Army Corps of Engineers (“ACOE”) funds the West Fork Mojave River gage. Beginning with the 1993-94 Water Year, the frequency of direct measurements at the Lower Narrows was increased from once to twice monthly in order to improve the record. The measurements were subsequently increased from twice monthly to weekly during the 1995-96 Water Year, a practice which continued through the 2018-19 Water Year.

The USGS conducted a review of its measurement procedures and statistical data analysis procedures for the Lower Narrows gage in 1998 and reported that the “published stream flow records represent the best determinations of flow possible given the primary data collected in support of the stream flow gaging stations”. The USGS concluded by saying that it is confident that its flow measurement and computation techniques will be found adequate and stream flow records validated.

Records of the discharge of reclaimed wastewater to the Mojave River downstream from the Lower Narrows gage were furnished by the Victor Valley Wastewater Reclamation Authority (“VWVRA”) and the City of Victorville, Public Works Department (Victorville). These discharge records are used to determine the contribution of the combined VWVRA and Victorville discharge to the Alto Subarea’s annual flow obligation to the Centro Subarea.

Precipitation data utilized by Watermaster is compiled from records obtained from the National Oceanographic and Atmospheric Administration (“NOAA”) for Victorville and Barstow precipitation stations and for Lake Arrowhead from the San Bernardino County, Department of Public Works precipitation Station #5140 (Lake Arrowhead Fire Station #1).

Related MWA Activities

In July 2011, MWA entered into an agreement to amend and extend the 2003 water storage program with the Metropolitan Water District of Southern California (MWDSC). The amended agreement allows up to 390,000 acre-feet of MWDSC entitlement water from the State Water Project (SWP) to be stored in the Mojave Basin. MWDSC has until December 31, 2035 to take return delivery of the water, through exchange of MWA entitlement from the SWP for delivery to MWDSC. Roughly 60,000 acre-feet was delivered and stored within the Mojave Basin under the amended storage agreement and will be eventually returned via entitlement exchange to MWDSC. MWA has returned 41,200 acre-feet to MWDSC. This program provides a benefit to the region by recharging groundwater basins at a relatively low cost to MWA using SWP water from

MWDSC's entitlement and allowing the water to be returned to MWDSC via MWA's unused SWP entitlement at no cost to MWA.

The Oro Grande Wash Recharge Project completed in 2019 can recharge up to 8,000 acre-feet per year to support groundwater pumping in the western part of the Alto Subarea. This recharge basin is a dual-purpose recharge and flood control basin. MWA also completed preliminary design reports for future dual-purpose recharge and flood control basins in Antelope Wash and Bandicoot Wash in the southern Alto region. MWA purchased land in the upper Mojave River area and about 40 acres is available for off-river recharge starting in 2018. The Helendale Bluffs pressure reducing valve station along the Mojave River pipeline was retrofit to provide for recharge into the Alto Transition Zone. Environmental work has been completed to build a groundwater recharge facility in the Este Subarea. A feasibility study for an Oeste managed aquifer recharge area began in January 2019 and will help assess the regional suitability for the project. The study will characterize surface infiltration rates, subsurface hydrogeologic zones and properties, groundwater levels, hydraulic properties and alluvial sediments of the aquifer as well as identify favorable areas for recharge facilities.

MWA approved a request for proposals for consulting services to evaluate the potential for a large-scale Groundwater Banking Program. The technical study will evaluate water banking alternatives and associated necessary capital improvements, financial benefits and implications, basin effects, environmental/permitting requirements, coordination with the Judgment and other technical issues associated with initiating a groundwater bank. Work will begin in February 2020 and will be a multi-year project.

Geotechnical and geohydrology investigations in the upper Alto, Oeste and western Este Subareas continued that will provide better information and data to use in determining the best locations for future off-river recharge basins. Two monitoring wells will be installed in the west Victorville area to help characterize the subsurface geology and provide permanent high-quality groundwater monitoring data points. The Agency's groundwater model for the upper Mojave River Basin will be updated as part of the ongoing investigations.

The Regional, Recharge and Recovery Project (R³) was constructed by MWA as a basin management tool that could be used to help manage where water is recharged and pumped in the Alto Subarea in order to help alleviate basin pumping stresses. MWA maintains three Mojave River recharge sites in the upper Alto Subarea, all upstream of the six R³ Wells that were constructed for the project. Water from the R³ project is pumped on behalf of a stipulating party,

as requested, and is subject to the same rules and assessments under the Judgment. Watermaster reports the amount of R³ water delivered to specific stipulating parties in Appendix B. The total amount of deliveries for the 2018-19 Water Year was 4,782 acre-feet. Operational water associated with this project is the responsibility of MWA and is also shown on Appendix B. In May 2019 the design phase of a pipeline extension for R³ began which will provide for delivery locations farther west in the Alto Subarea.

In September 2018, the MWA initiated the purchase of 2,100 acre-feet (\$500,000) of imported State Water Project water for delivery to the Baja Subarea in an effort to address ongoing overdraft conditions. An amendment to MWA's storage agreement with Watermaster was increased from 23,000 acre-feet to 50,000 acre-feet in the Baja Subarea to accommodate additional deliveries. In September 2019, the MWA finalized the purchase of 7,194 acre-feet of Base Annual Production rights in the Baja Subarea in an effort to conserve groundwater in the Baja Subarea and in consideration of future uses for the population and environment. Any future use of these purchased rights is within the discretion of the Board of Directors of Mojave Water Agency and subject to the terms of the Judgment and the Watermaster Rules and Regulations.

The MWA completed a technical study for the Mojave Basin Area to estimate the groundwater production of minimal producers by using aerial photography, sophisticated land use software and local control groups. The data was used to better understand the amount of minimal producer production and to develop a system to account for future minimal producer water use. The estimate of water use by minimal pumpers as of 2011 is substantially less than the amount estimated at the time of trial in 1995. Consequently, the amount of pumping attributed to minimal producers cannot affect a given Party's Base Annual Production Right relative to the Judgment. MWA will continue to evaluate and update estimated water use by the minimal producers during 2018-19.

The MWA entered into a Memorandum of Understanding with the Mojave Desert Resource Conservation District (MDRCD) for the removal of invasive, non-native plants along the Mojave River riparian corridor. The invasive plants, primarily tamarisk, displace native riparian plants species, increase the risk for flooding and fire hazard and use disproportionate quantities of groundwater within the Mojave River floodplain aquifer. Over the last five years, about 10,400 acres have been canvassed for invasive plant species along the Mojave River riparian corridor and approximately 1,780 weed acres have been removed and treated. MWA contributed \$25,000 to the program in 2018-19, and another \$25,000 in 2019-20, which will focus on

retreatment and monitoring in the previously treated areas. DFW contributed \$70,000 in 2018-19 and another \$30,000 in 2019-20 to the project for removal and retreatment in the Exhibit H areas identified in the Judgment in the Alto and Baja Subareas.

Launched in 2008, the Cash for Grass program was used by MWA to help achieve a goal of helping local communities meet the state mandated goals of reducing water usage by 20 percent among residential users by the year 2020. Funded with local money and grants from the Department of Water Resources, the program has surpassed its goals resulting in the removal of more than 9 million square feet of residential turf. In 2015, the large-scale Cash for Grass program was initiated and has focused on removal of turf from larger landscape areas such as schools, homeowner associations, golf courses and commercial properties. This program has been very successful and has currently removed 2 million square feet of turf and will remove 1 million more by the end of 2020. Ten years ago, per capita water use in the region was 250 gallons a day. Today, that figure has dropped to under 150 gallons per person. The conservation programs instituted have resulted in a reduction of water consumption of more than 30 percent.

CHAPTER 3

WATER SUPPLY CONDITIONS

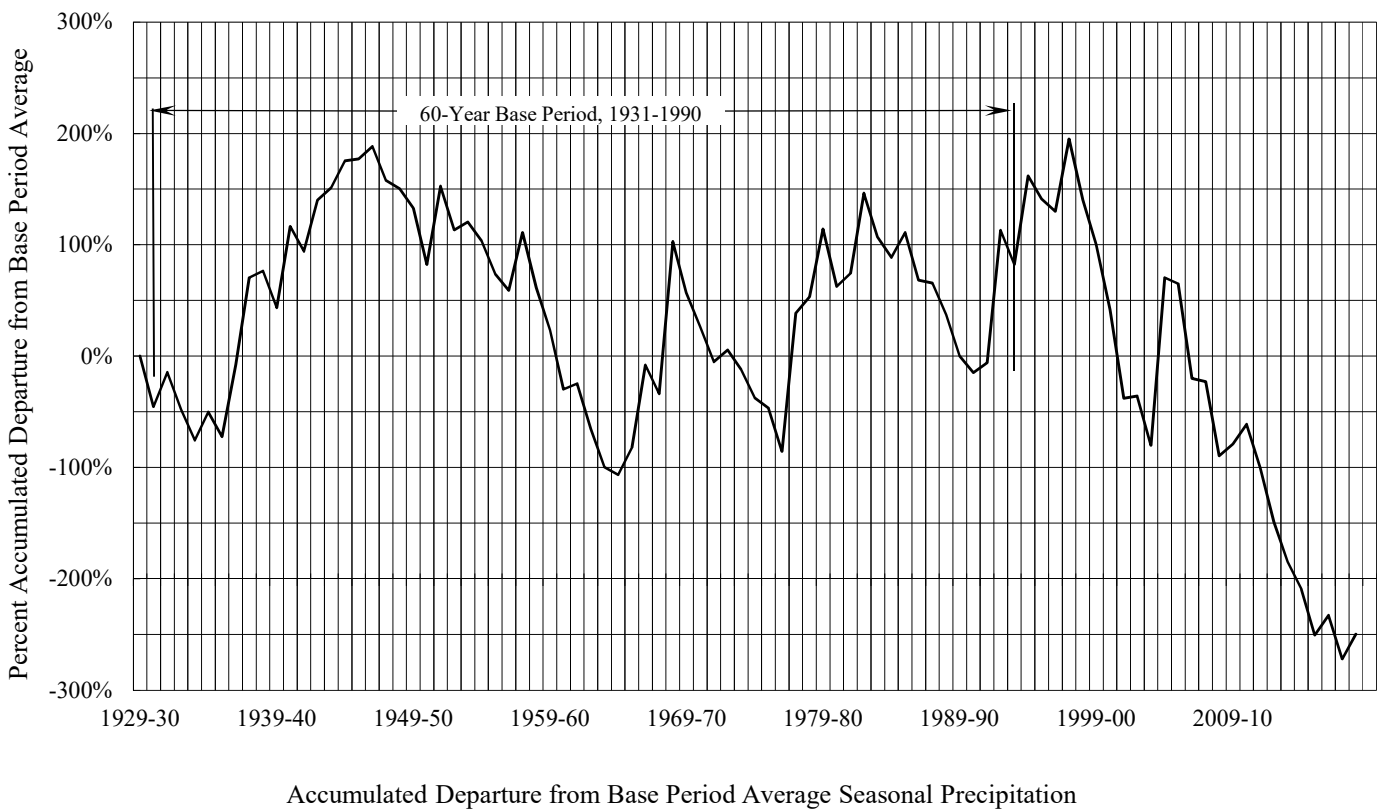
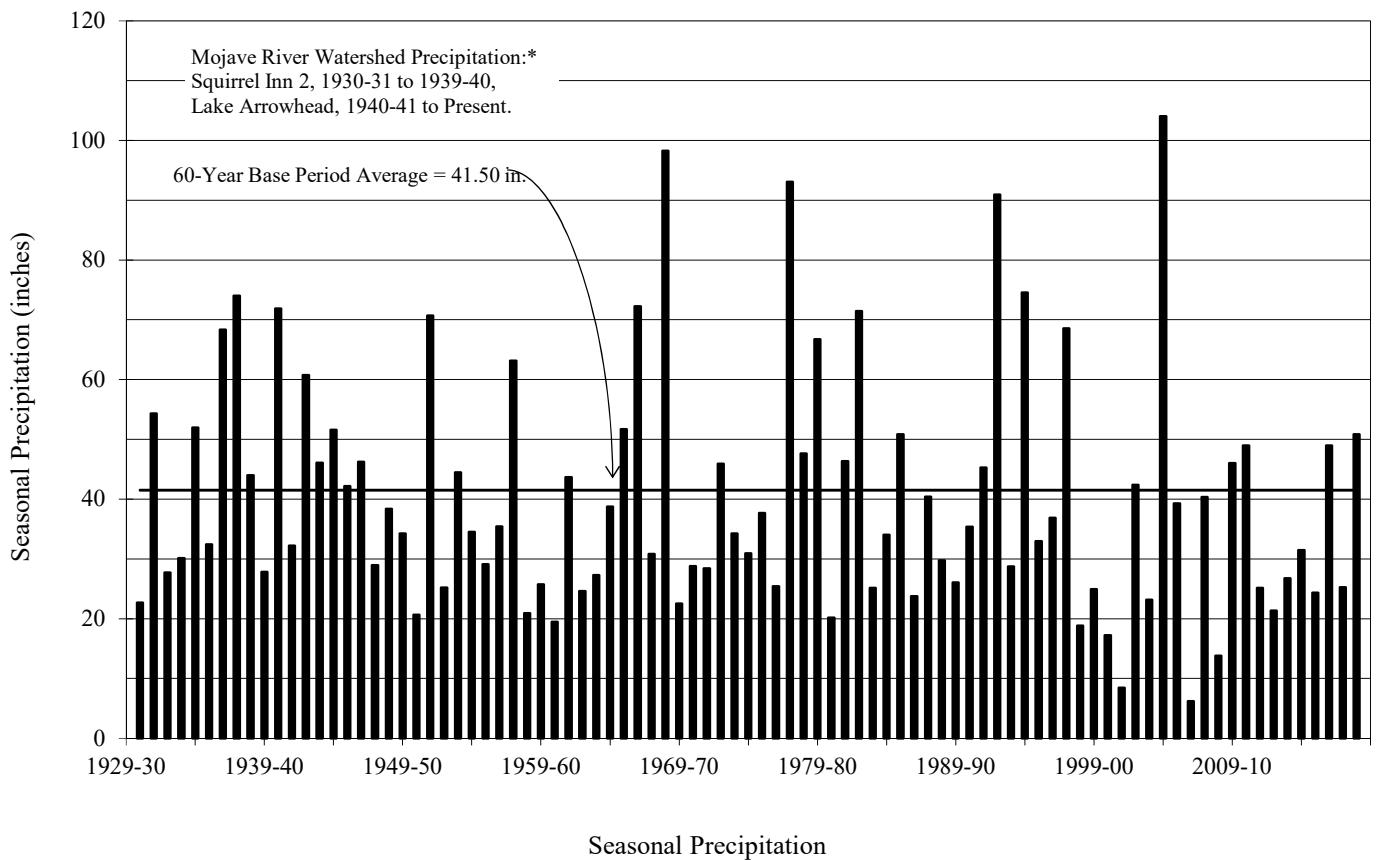
After experiencing below average precipitation during 2017-18, the precipitation in the Mojave River Watershed during 2018-19, as measured at Lake Arrowhead was above average at about 122 percent of the 60 Year Base Period average. The combined flow of the West Fork Mojave River and Deep Creek during the 2018-19 Water Year was about 139 percent of the 60-Year Base Period average.

Precipitation During 2018-19

Rainfall in the mountain areas is the principal source of natural water supply to the Mojave Basin Area. During the 2018-19 Water Year the precipitation at Lake Arrowhead amounted to 50.82 inches, which is about 122 percent of the Base Period average of 41.5 inches. The maximum monthly rainfall of 15.09 inches occurred in February 2019, with 14.43 inches and 5.91 inches occurring during January 2019 and March 2019, respectively. Figure 3-1 shows the seasonal precipitation from 1930-31 through 2018-19 and the accumulated departure from the 1930-31 through 1989-90 Base Period average. Seasonal rainfall within the Basin Area as measured at Victorville and Barstow totaled 6.36 inches and 6.33 inches, respectively. The amount recorded at Victorville represents approximately 117 percent of the annual average of 5.43 inches and the amount recorded at Barstow represents approximately 139 percent of the annual average of 4.56 inches. Figure 3-2 shows the seasonal precipitation at Victorville and Barstow.

Runoff During 2018-19

Locations of stream flow gages for the Mojave River system are shown on Appendix A. Table 3-1 shows monthly discharge amounts for 2018-19 at these locations.



Precipitation Characteristics, Mojave River Watershed

FIGURE 3-1

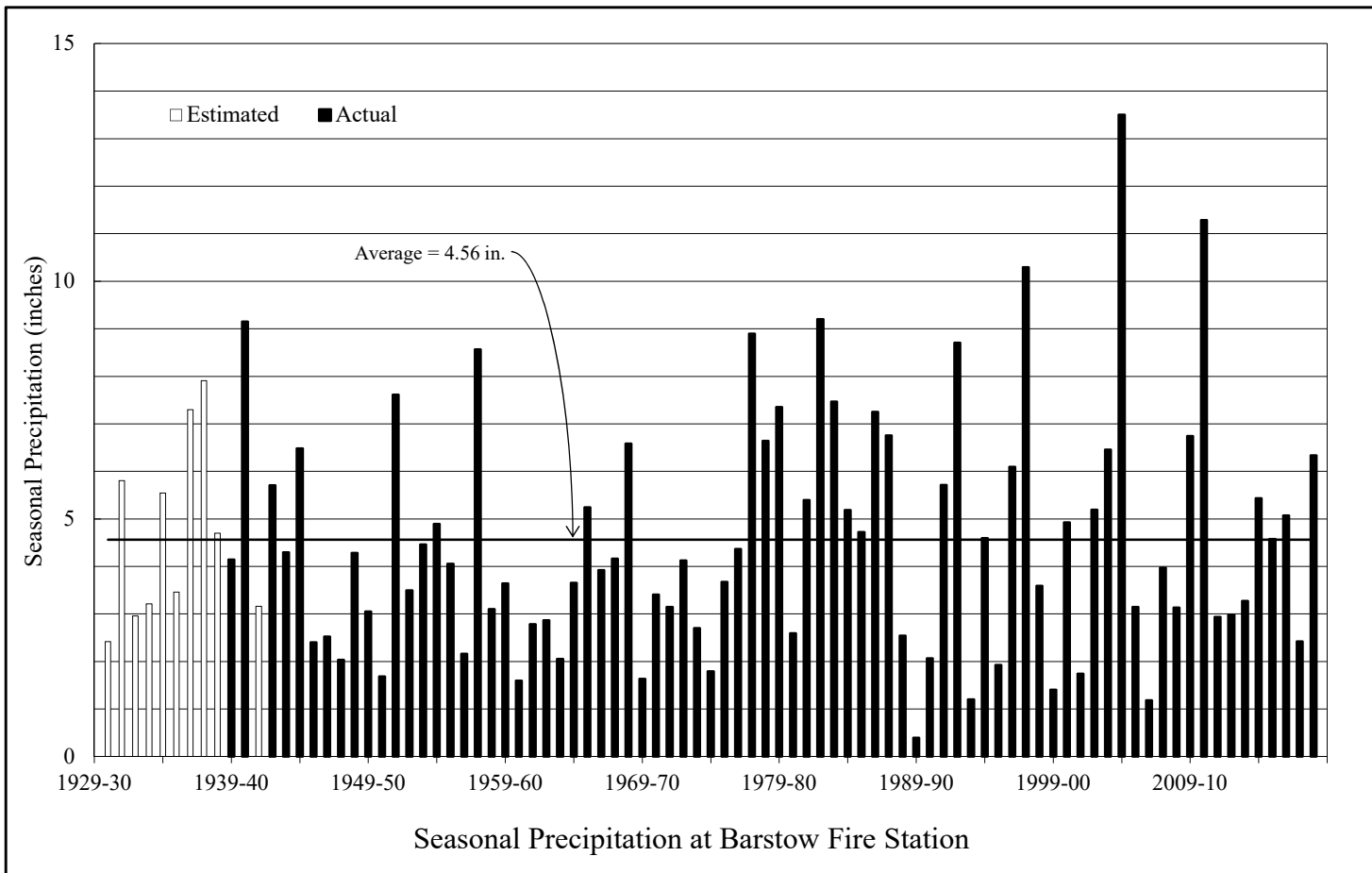
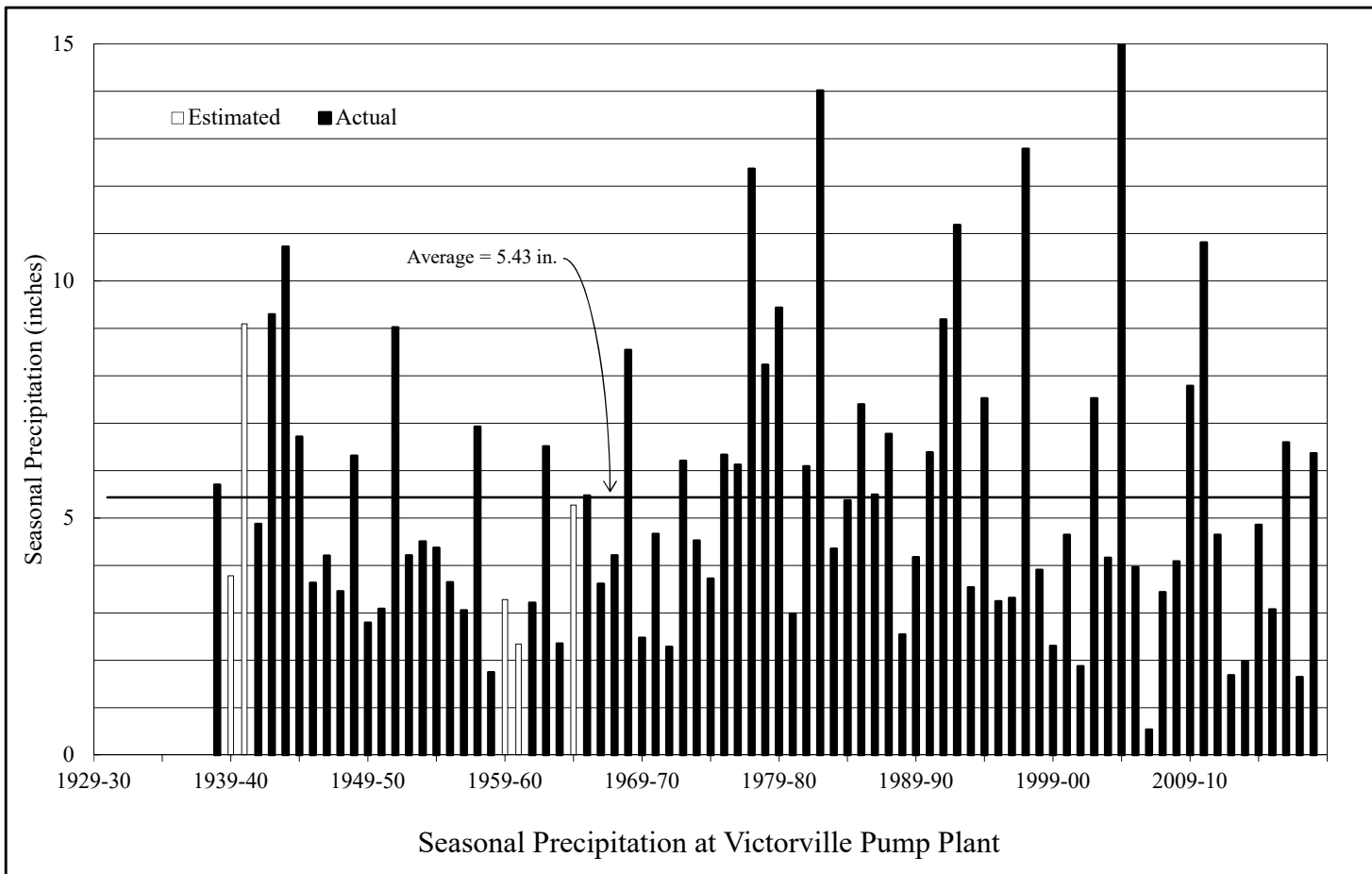


FIGURE 3-2

TABLE 3-1
MONTHLY DISCHARGE AMOUNTS
FOR WATER YEAR 2018-19
(Acre-Feet)

Month	Forks ¹	Lower Narrows ²			Barstow ³	Afton ⁴		
	Measured Discharge	Base Flow	Storm Flow	Total	Measured Discharge	Base Flow	Storm Flow	Total
October	59.9	105	0	105	0.0	0.00	0.0	0.00
November	218.0	171	0	171	0.0	3.57	0.0	3.57
December	599.0	464	467	931	0.0	11.30	0.0	11.30
January	6,730.0	614	577	1,191	0.0	16.40	0.0	16.40
February	37,686.0	779	18,051	18,830	169.0	21.70	0.0	21.70
March	24,472.0	892	3,811	4,703	0.0	18.30	0.0	18.30
April	9,939.0	535	0	535	0.0	12.40	0.0	12.40
May	7,722.0	388	65	453	0.0	2.44	0.0	2.44
June	2,877.0	213	0	213	0.0	0.00	0.0	0.00
July	330.5	136	0	136	0.0	0.00	0.0	0.00
August	120.0	123	0	123	0.0	0.00	0.0	0.00
September	79.7	113	0	113	0.0	0.00	0.0	0.00
Total (AF)	90,833.1	4,533	22,971	27,504	169	86	0	86

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

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

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

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

At the Forks

The total surface flow of the Mojave River at the Forks during 2018-19 as measured by the combined discharges of the West Fork Mojave River and Deep Creek was 90,833 acre-feet or about 139 percent of the Base Period average of 65,540 acre-feet. The combined discharges of the West Fork Mojave River and Deep Creek for the period 1930-31 through 2018-19 and the accumulated departure from the Base Period average are shown on Figure 3-3.

At Lower Narrows

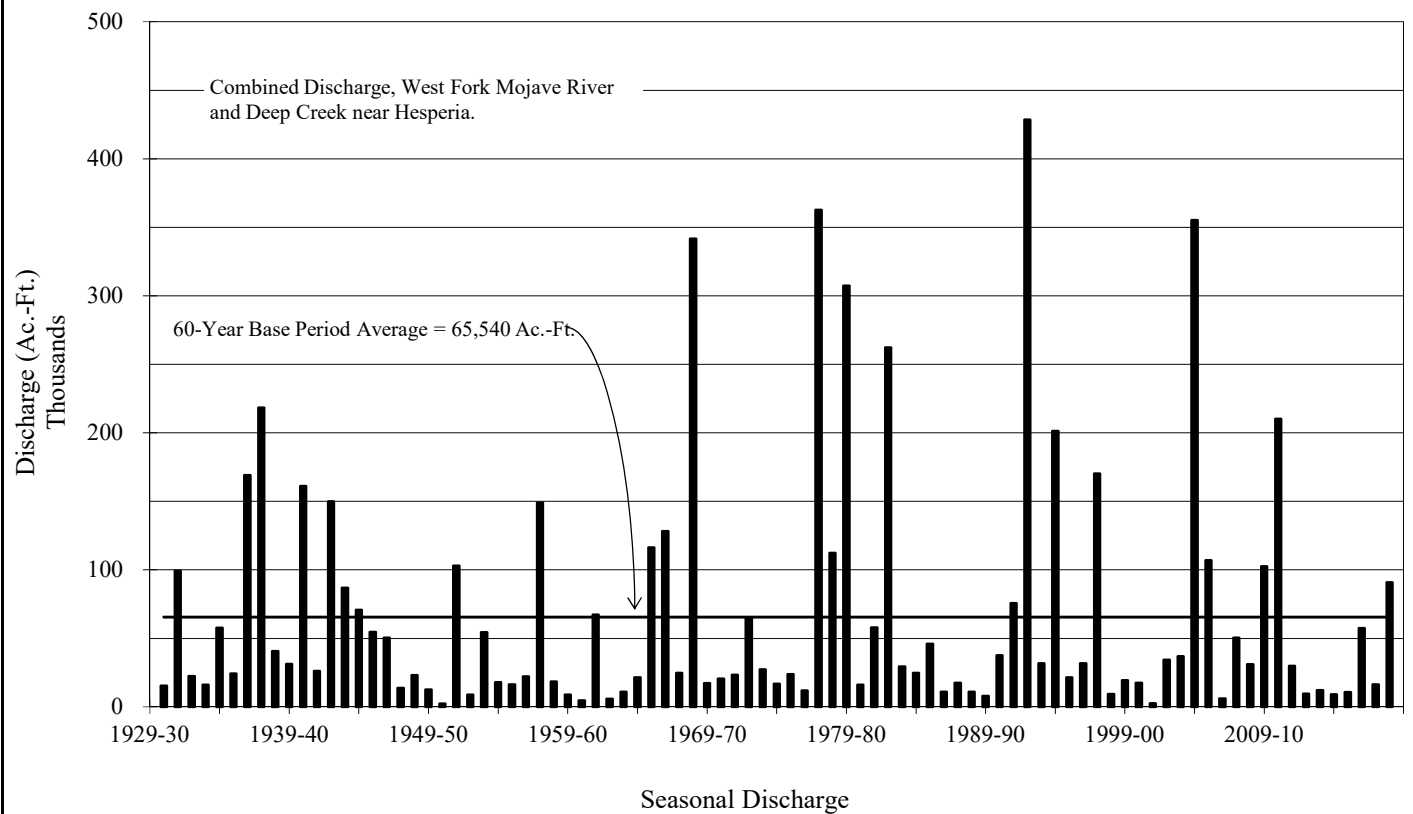
The total surface flow of the Mojave River at the Lower Narrows was 27,504 acre-feet, which is about 52.9 percent of the 60-Year Base Period average of 51,960 acre-feet. During Water Year 2018-19 the total flow accruing to the Lower Narrows Gage was estimated to consist of 22,971 acre-feet of storm flow and 4,533 acre-feet of base flow. Figure 3-4 shows the storm and base flow components of the total flow in the Mojave River at the Lower Narrows for the period 1930-31 through 2018-19.

At Barstow

The total surface flow of the Mojave River at Barstow was 169 acre-feet. Figure 3-5 shows the total flow in the Mojave River at Barstow for the period 1930-31 through 2018-19.

At Afton

The total surface flow of the Mojave River at Afton was 86 acre-feet, which is about 1.0 percent of the Base Period average of 8,247 acre-feet. During 2018-19 the total flow accruing to the Afton Gage was estimated to consist of 0 acre-feet of storm flow and 86 acre-feet of base flow. Figure 3-5 shows the storm and base flow components of the total flow in the Mojave River at Afton for the period 1930-31 through 2018-19.



Discharge Characteristics, Mojave River at the Forks

FIGURE 3-3

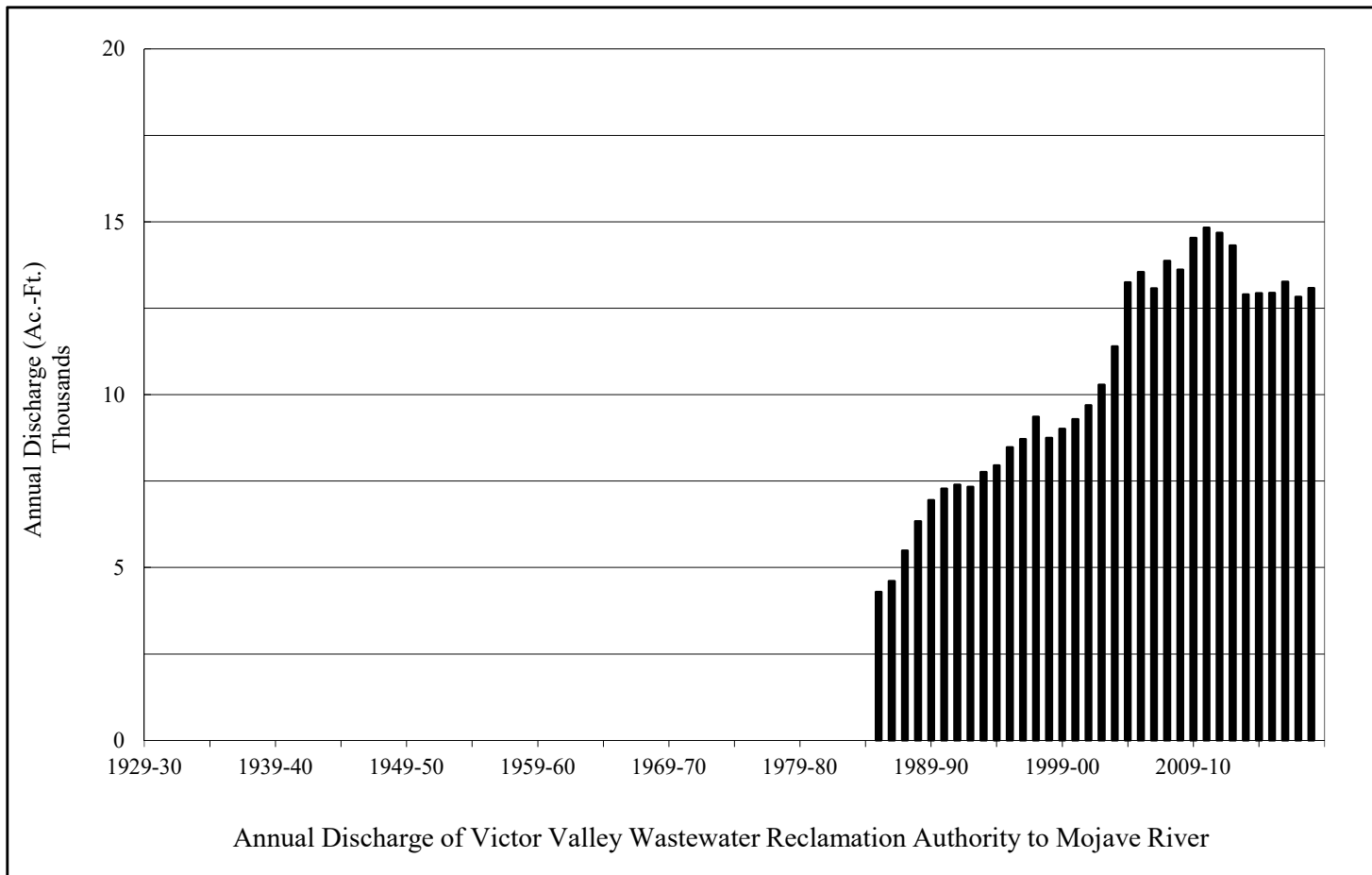
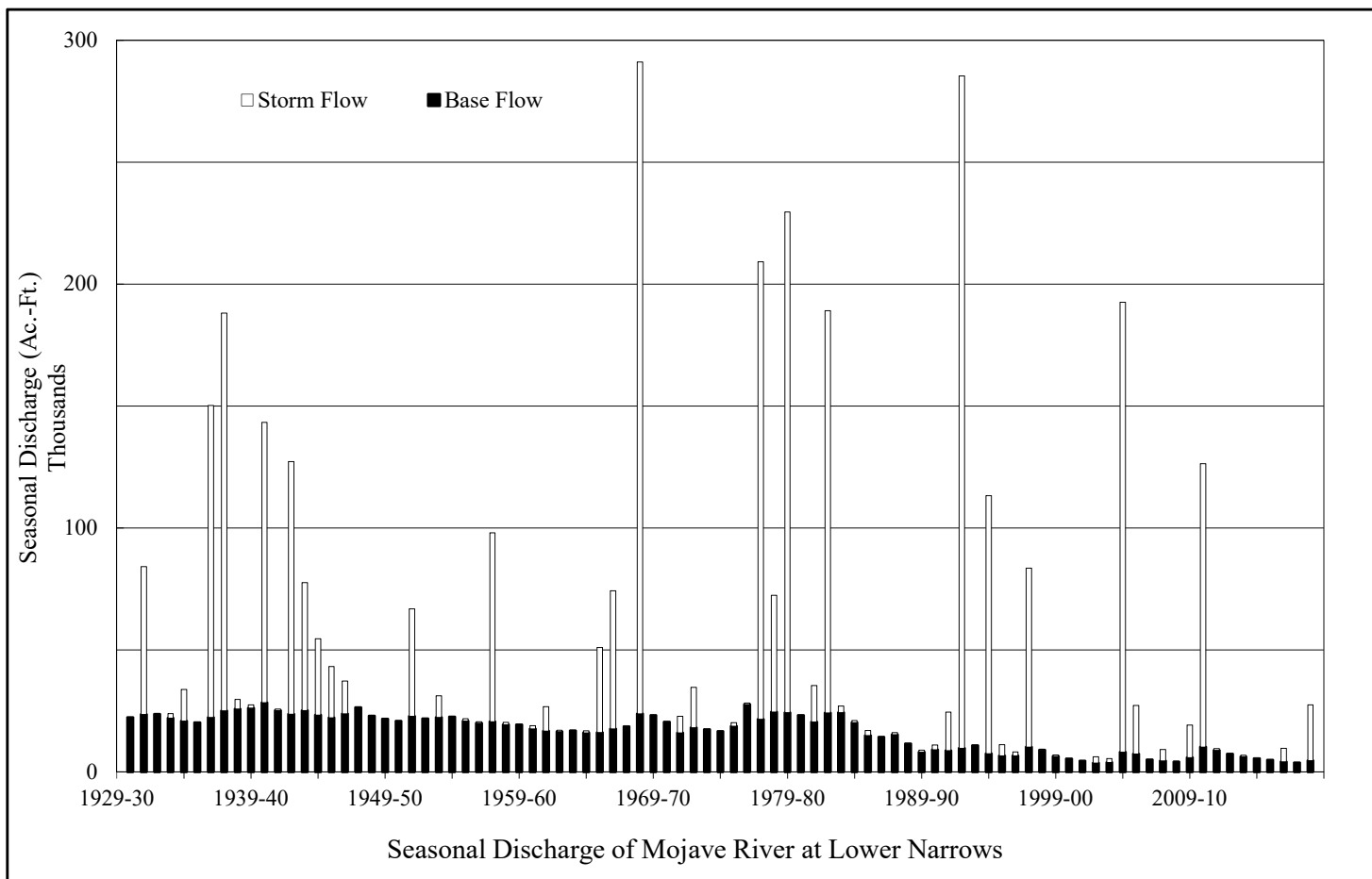


FIGURE 3-4

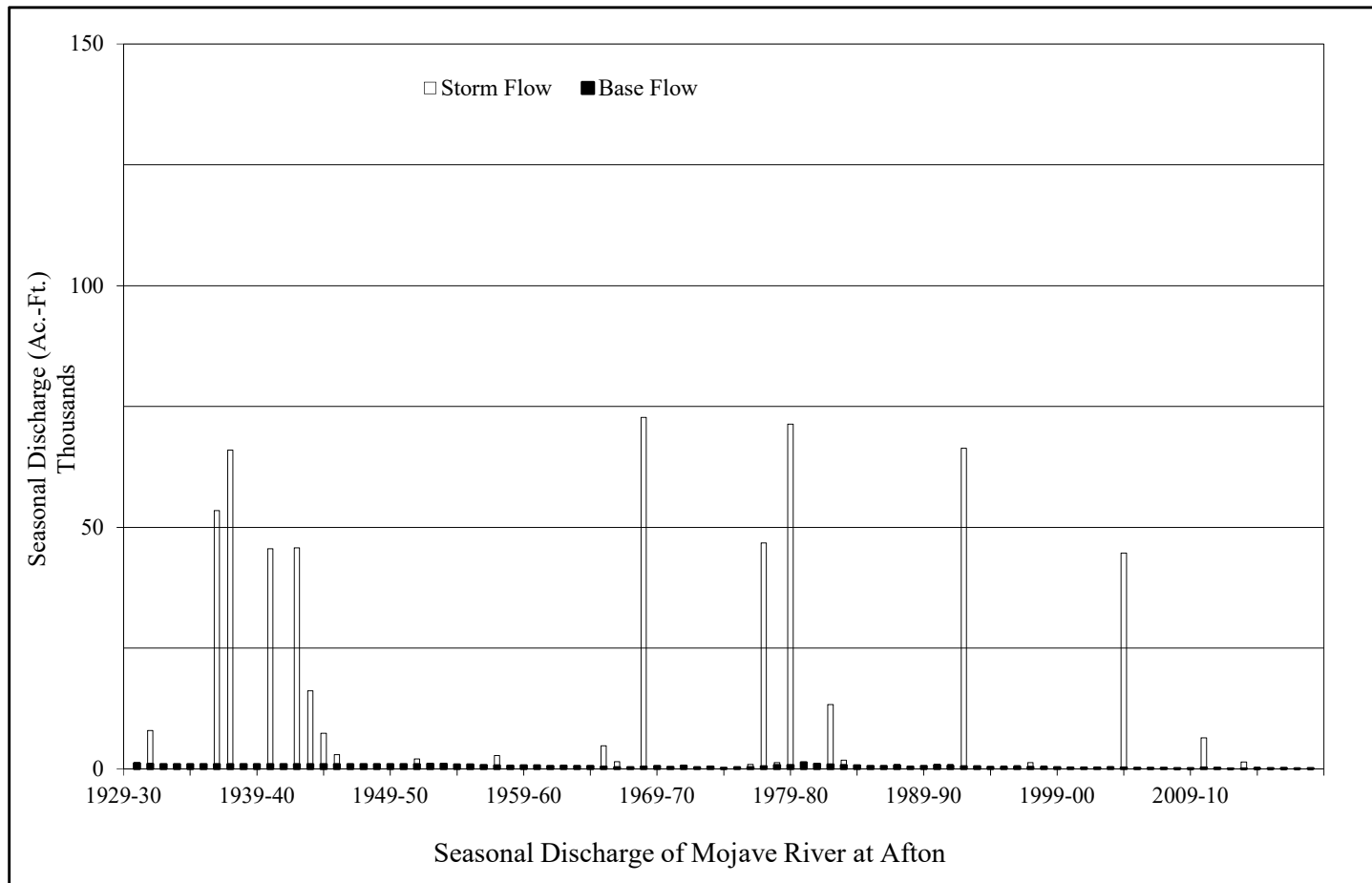
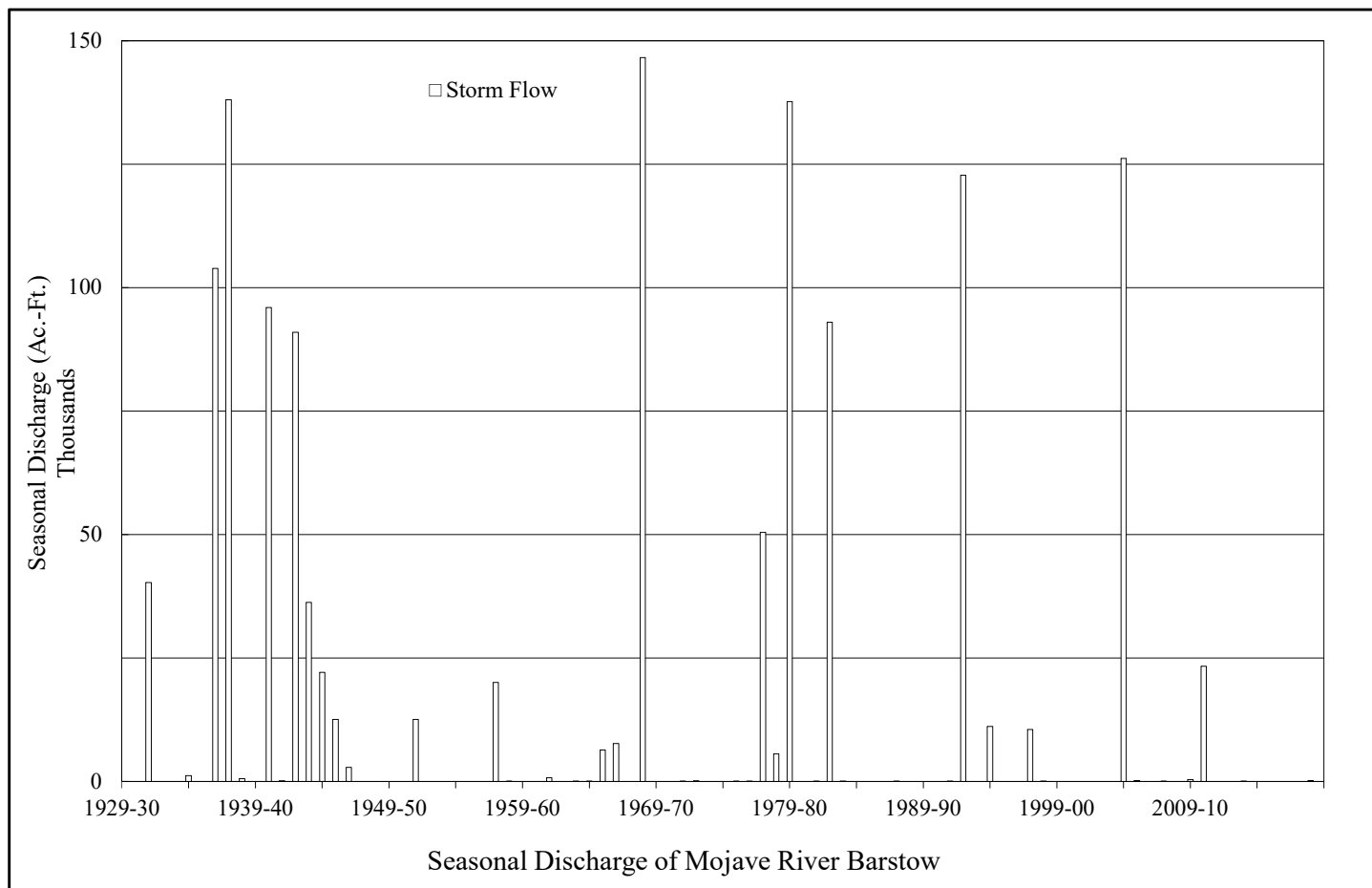


FIGURE 3-5

Wastewater Imports

During 2018-19 reclaimed wastewater was delivered to the Mojave Basin Area for disposal by the following agencies:

	Amount Delivered (acre-feet)
Lake Arrowhead Community Services District	1,113
Crestline Sanitation District	811
Big Bear Area Regional Wastewater Agency	2,705
	<hr/>
	4,629

Victor Valley Wastewater Reclamation Authority Wastewater Effluent Discharges

The VVWRA and Victorville deliver treated wastewater effluent to the Mojave River downstream from the Lower Narrows. This water is credited toward the Alto Subarea's Obligation to the Centro Subarea and amounted to 13,077 acre-feet for Water Year 2018-19. The annual wastewater effluent discharge to the Mojave River for the period 1985-86 through 2018-19 is shown on Figure 3-4.

Imported Water Deliveries by MWA

During 2018-19 MWA delivered 9,682 acre-feet of State Water Project water to the Alto, Centro and Baja Subareas.

		(All Amounts in Acre-feet)					
	<u>Month</u>	<u>Alto</u> ¹	<u>Alto</u> ²	<u>Centro</u> ³	<u>Centro</u> ⁴	<u>Baja</u> ⁵	<u>Total</u>
(2018)	October	0	0	47	0	0	47
	November	0	0	24	0	1	25
	December	0	0	18	0	20	38
(2019)	January	0	2	10	0	8	20
	February	0	0	17	0	0	17
	March	0	0	36	0	258	294
	April	0	0	42	69	259	370
	May	0	0	36	294	378	708
	June	0	200	88	215	260	763
	July	0	1,157	80	284	337	1,858
	August	0	1,726	100	260	264	2,350
	September	0	2,819	50	146	177	3,192
Total		0	5,904	548	1,268	1,962	9,682

¹ Deliveries to the power plant at SCLA.

² Deliveries to recharge facilities in the Alto Subarea pursuant to a storage agreement with Watermaster.

³ Deliveries to the solar generating facility at Kramer Junction.

⁴ Deliveries to recharge facilities in the Centro Subarea pursuant to a storage agreement with Watermaster.

⁵ Deliveries to recharge facilities in the Baja Subarea pursuant to a storage agreement with Watermaster.

Transition Zone Water Levels

The Judgment requires that minimum water levels be established in the Transition Zone primarily for the purpose of prioritizing recharge within the Alto Subarea. According to the Judgment, until minimum water levels are established, recharge of supplemental water must be delivered to the Transition Zone first, if there is a mandatory replacement obligation in the Transition Zone. Since entry of the Judgment, there has not been a mandatory replacement obligation in the Transition Zone.

Watermaster submitted to the Court in April 2007, and the Court approved recommended water levels in the Transition Zone and a water level monitoring procedure as required by the Judgment.

There are three areas within the Transition Zone that are to be evaluated annually. Water level data will be collected from wells in these areas and presented in the Watermaster's Annual Report to the Court. Well locations are shown on Figure 3-6. Water level hydrographs for Transition Zone wells are shown on Figures 3-7, 3-8 and 3-9.

Figure 3-7 shows water levels in three wells near the Helendale Fault. Well number 08N04W20N01 & P02 provides historical reference for water levels dating back to 1930. The composite water level has changed nominally since 1930. Because this well has been discontinued, Watermaster proposes to monitor wells 08N04W19G04 and 08N04W29E06. Both of these wells indicate water level stability over the period of record (since 1994). Water level variation over a two-year period exceeding 20 feet will be considered to have encroached on the minimum Transition Zone Water Levels and will require corrective measures. Water levels in this area remained stable during the previous Water Year and exhibit the same seasonal variation as the past 5 years.

Figure 3-8 shows water levels in wells downstream from Victor Valley Wastewater Reclamation Authority's (VWVRA) point of discharge to the Mojave River. VWVRA discharged 13,077 acre-feet during 2018-19 which supports water levels within the Transition Zone. These water levels remained stable during Water Year 2018-19.

Figure 3-9 shows water levels in two shallow wells and a multi-nested well in the vicinity of the City of Adelanto's municipal water supply wells, and downstream of the United States Geological Survey (USGS) gage, "Mojave River at Lower Narrows near Victorville". These wells

show seasonal variability but no long-term downward trend. The multi-nested well was installed by MWA and the California Department of Fish and Wildlife (DFW) in February 2008. Watermaster reported to the Court that it would revisit minimum water levels in the Transition Zone after collecting data for five (5) years from this new well. The water level measurements since installation in 2008 indicate seasonal fluctuation and year over year stability. The decreasing seasonal water level fluctuation is an indication of an equilibrium condition in the Transition Zone. As the data from this well has only been collected since 2008 (date of installation), and indicates a rising or stable condition, there is insufficient information to recommend a reasonable minimum water level. If the condition of rising water or stable water level over time continues, there may be no reason for a control point for minimum levels.

Transition Zone Water Balance

Watermaster prepares a water balance calculation for each subarea annually pursuant to the Judgment. For purposes of tracking annual variability in Transition Zone water supply, we are including a water balance calculation specifically for the Transition Zone. Figure 3-10 shows the annual calculated Transition Zone outflow since 1991, versus the 60-year base period average (1931-1990 “Base Period”). Total outflow from the Transition Zone is inflow to Centro. On an annual basis, outflow to Centro is highly variable consistent with the infrequent storms typical of desert environments. Transition Zone water levels have been stable or rising since 1994, suggesting that change in storage within the Transition Zone is nearly zero.

The elements of Transition Zone water supply include:

- Surface water inflow from the Mojave River, measured at the USGS Gaging Station at Lower Narrows (Table 3-1)
- Measured Victor Valley Wastewater Reclamation Authority (VWRA) effluent discharges (Chapter 3)
- Ungaged estimated contributions from urban development
- Long-term subsurface flow (Table 5-1)
- Return flows from production

Return flows are determined by analyzing verified production and use data maintained by Watermaster to provide estimates of consumptive use for all uses within the subarea since 2012

(see the State of the Basin section for more information about the consumptive use analysis). Return flow from production for water years 1994 through 2011 is estimated based on verified production and historic consumptive use in Alto Subarea, analysis of irrigation demands for Silver Lakes Golf Course, lake evaporation, Helendale Community Services District (HCSD) wastewater flow, and estimations of domestic use based on HCSD flows. Verified production less estimated consumptive use becomes return flow to the Transition Zone.

The elements of use from the Transition Zone are:

- Groundwater extractions (production)
- Consumptive use by native vegetation (phreatophytes)

Verified production is compiled, verified, and maintained by Watermaster annually. Consumptive use for phreatophytes in the Transition Zone is based on a 2011 study by USBR which quantified consumptive use by phreatophytes in 2007 and 2010 (USBR 2011). Consumptive use for phreatophytes for 2010 was independently analyzed by Wagner & Bonsignore and compared to the findings of the USBR study, from which a coefficient was derived and used to adjust subsequent years. It is assumed the biomass recorded in 2010 by USBR remains the same through the current year, while consumptive use varies year-over-year based on changes in climate conditions.

The elements for calculating outflow from the Transition Zone to the Centro Subarea include:

- Long-term subsurface outflow (Table 5-1)
- Surface water outflow leaving the Transition Zone (which becomes inflow to the Centro Subarea)

Surface water outflow from the Transition Zone to the Centro Subarea is calculated based on the assumption that change in storage in the Transition Zone is zero. Historical water levels in the Transition Zone are stable over long periods of time (Figure 3-13). Therefore, for simplicity, surface water outflow is determined as the sum of water supply, less the sum of consumptive use and subsurface flow. Figure 3-10 shows that since the end of the hydrologic Base Period (1931-1990), average flow to Centro (1991-2019) has exceeded the Base Period average.

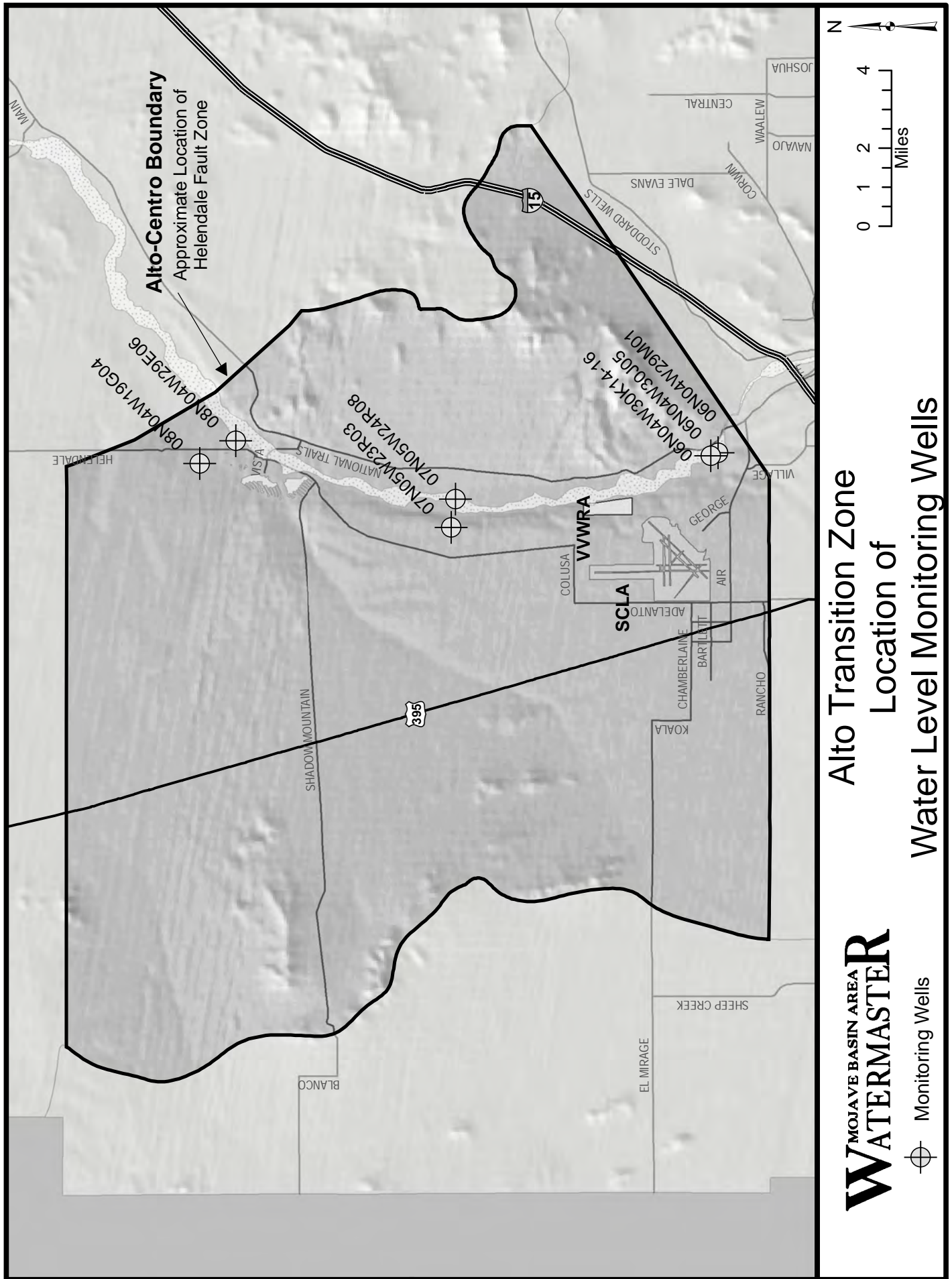


FIGURE 3-6

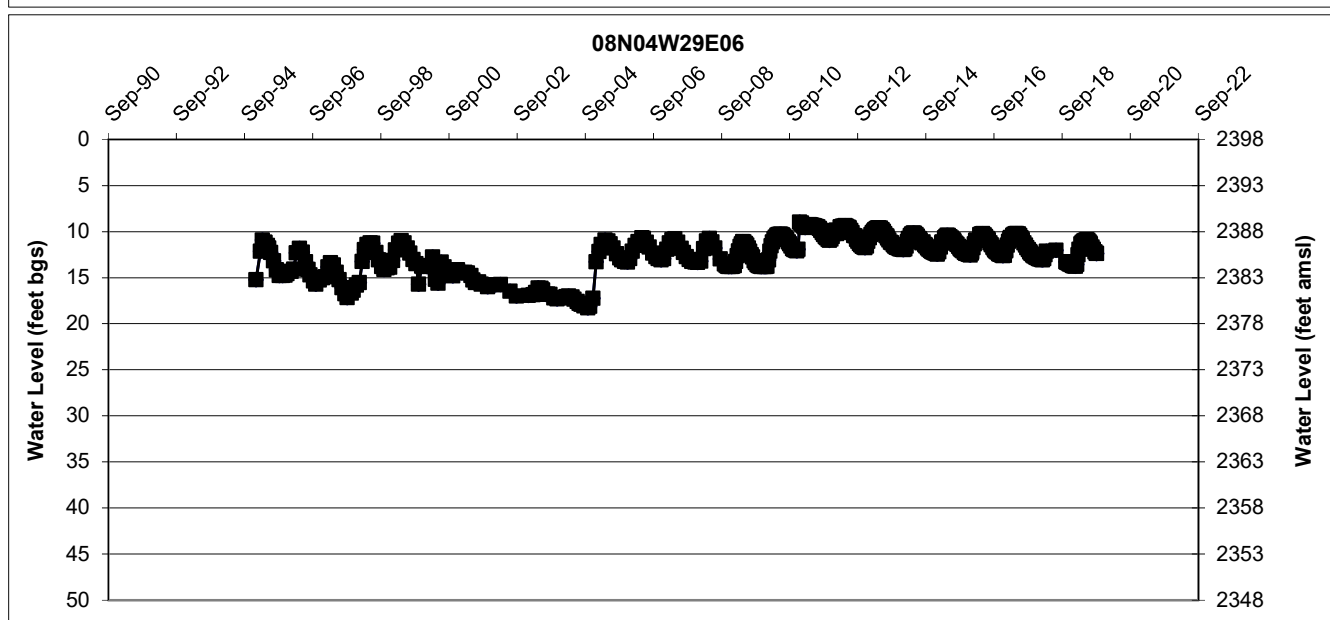
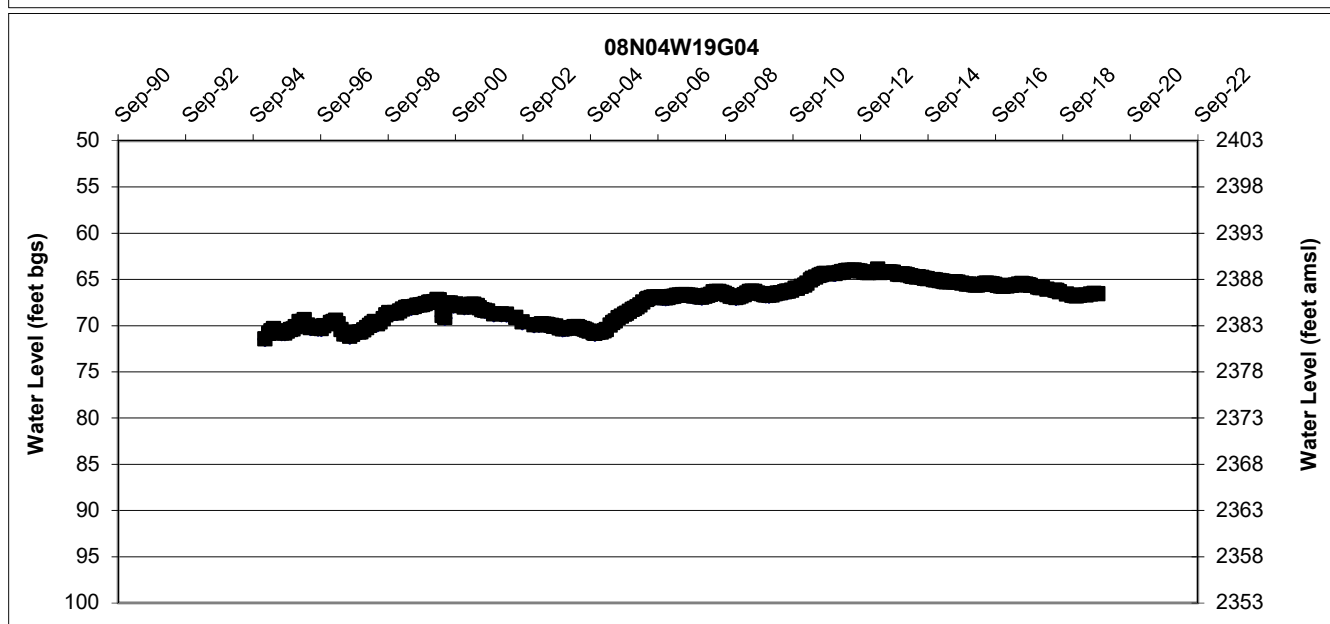
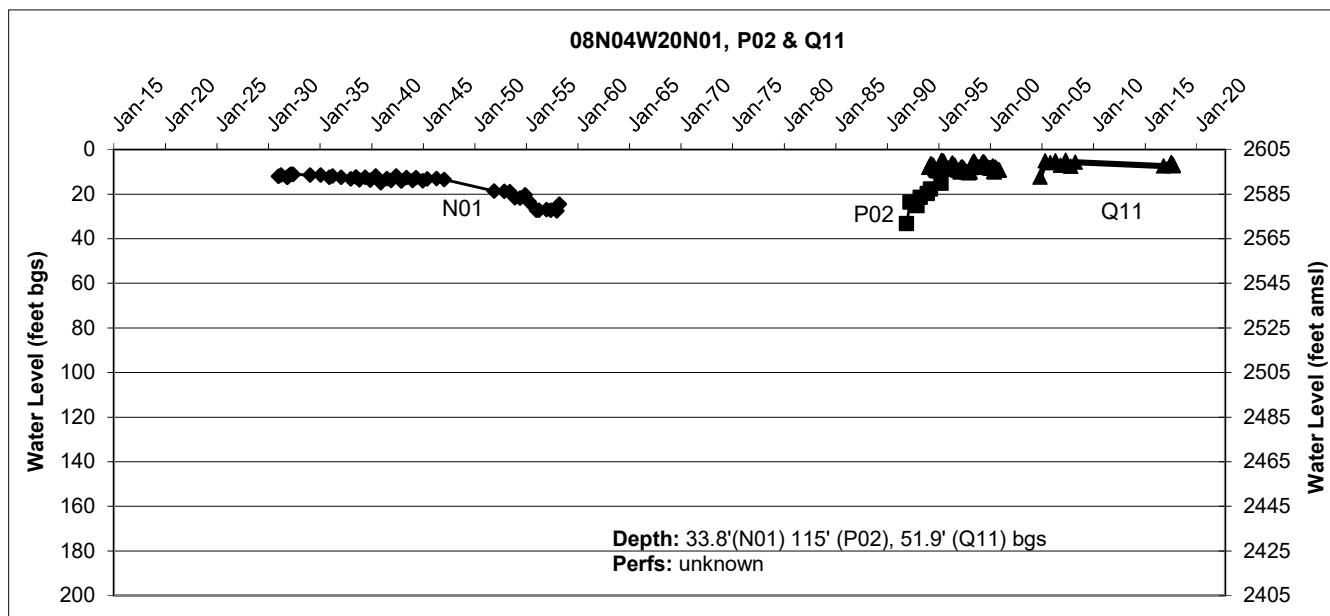


FIGURE 3-7

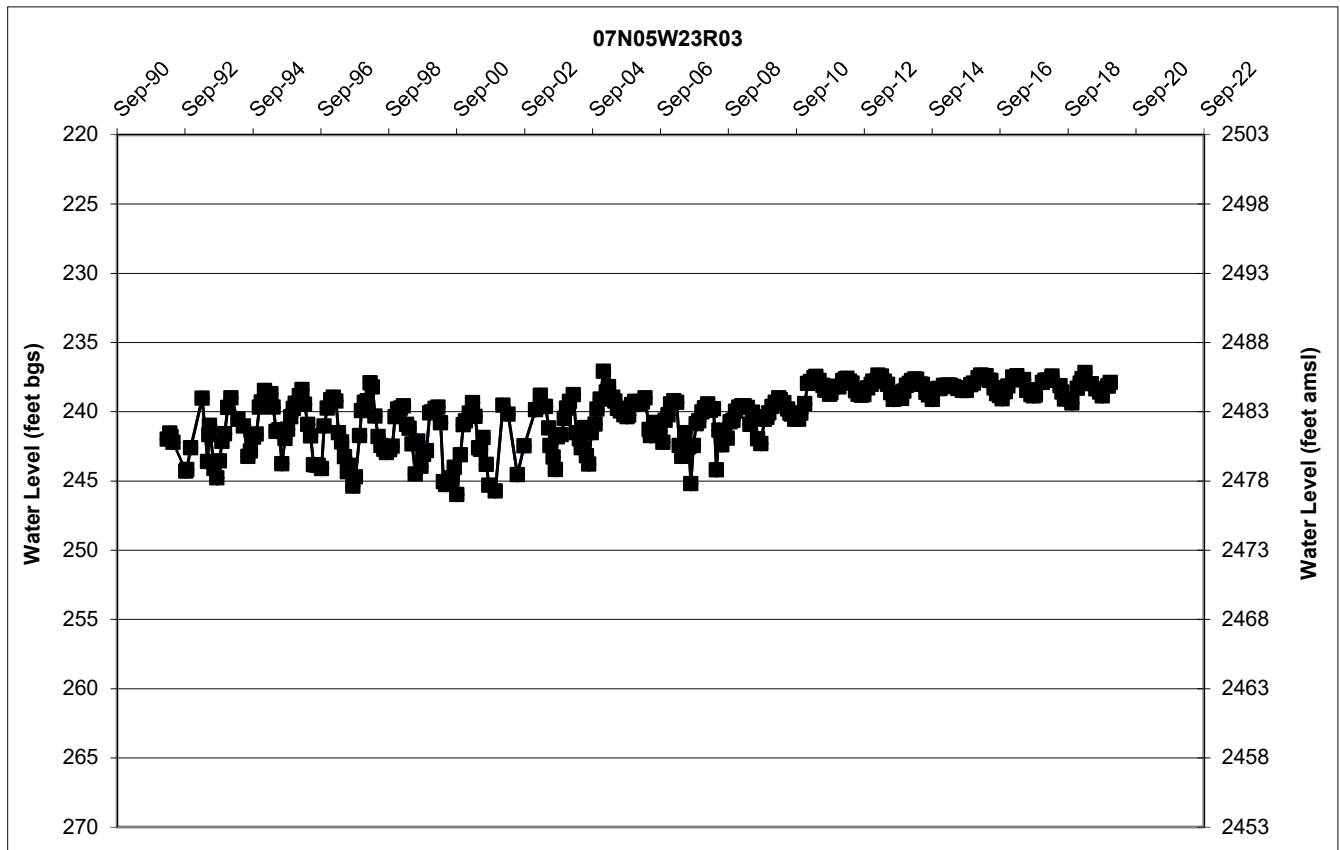
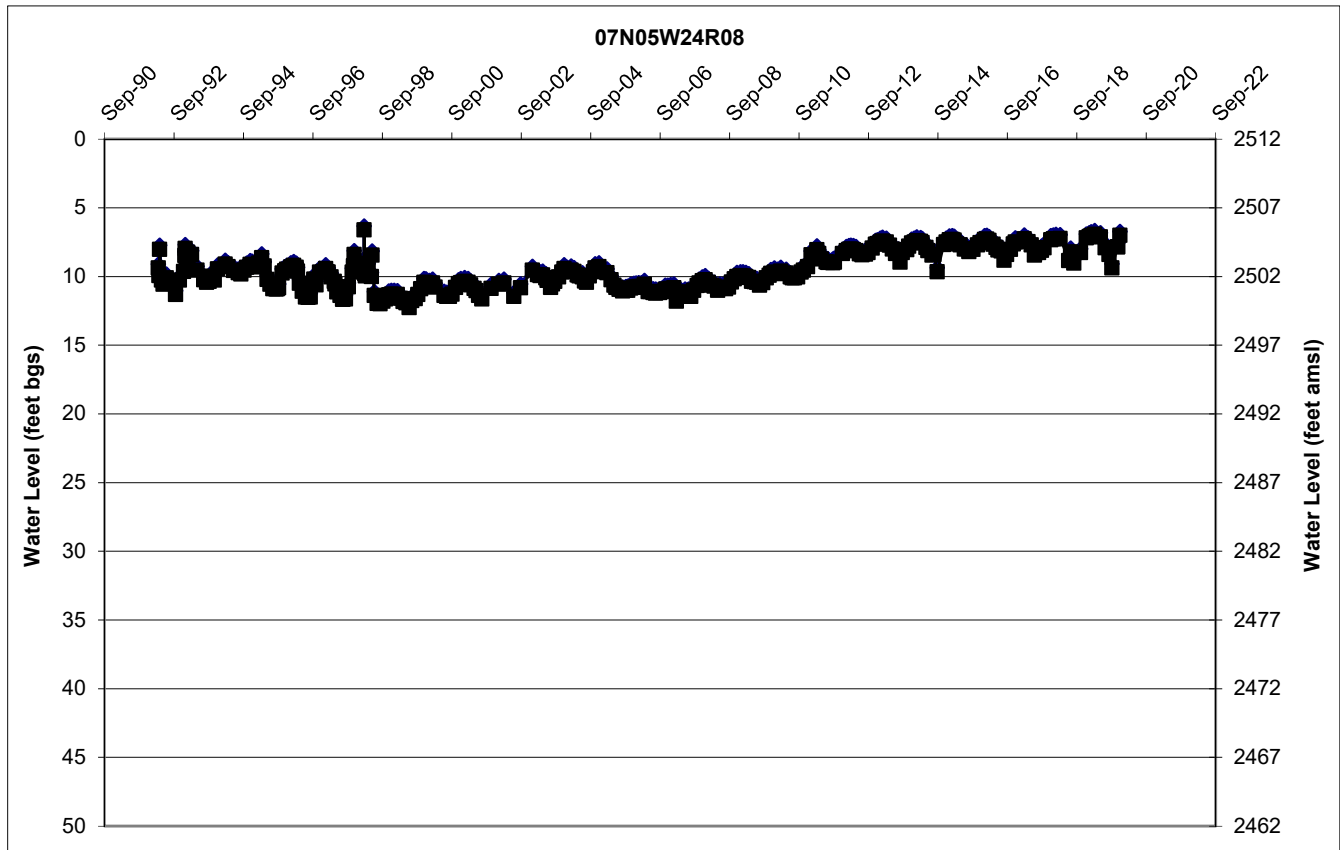


FIGURE 3-8

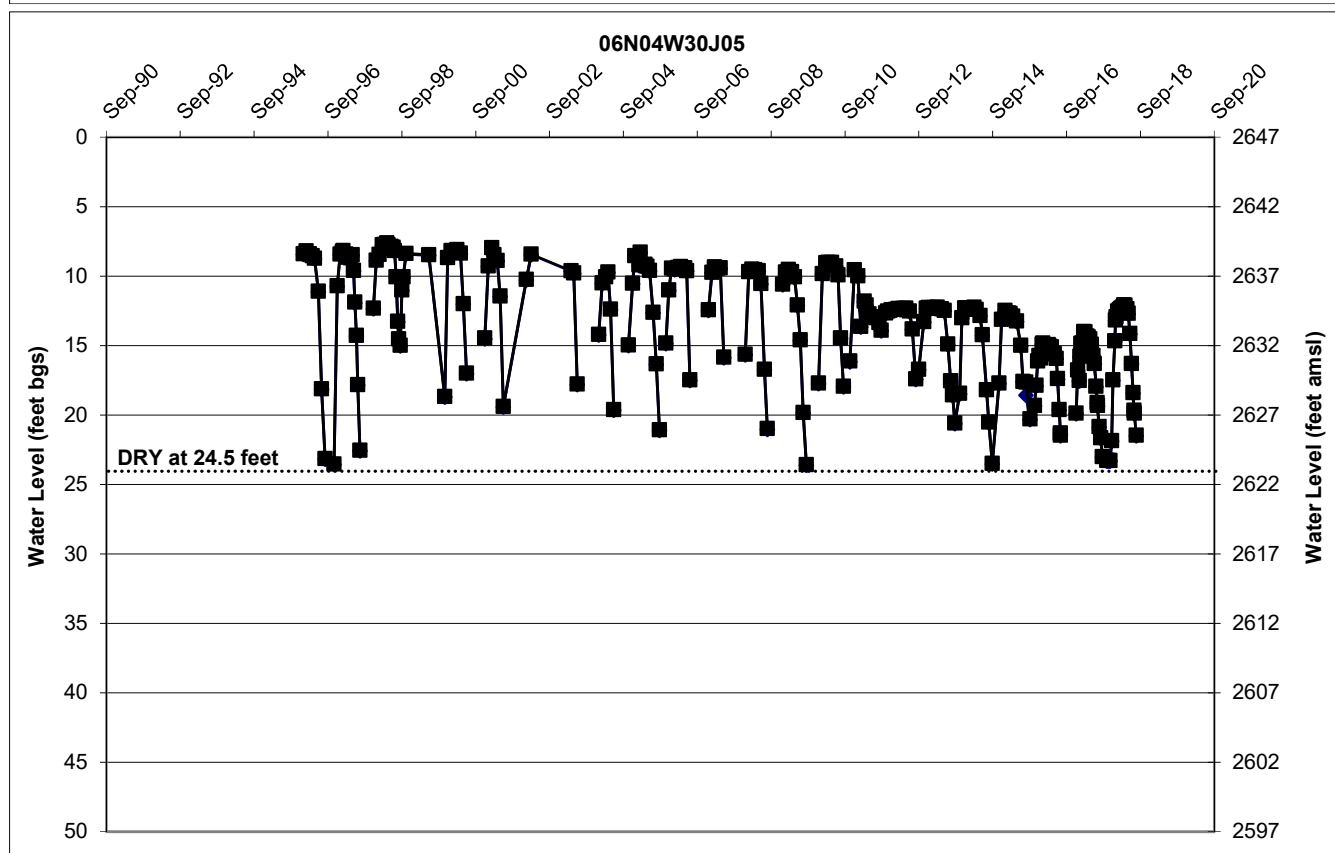
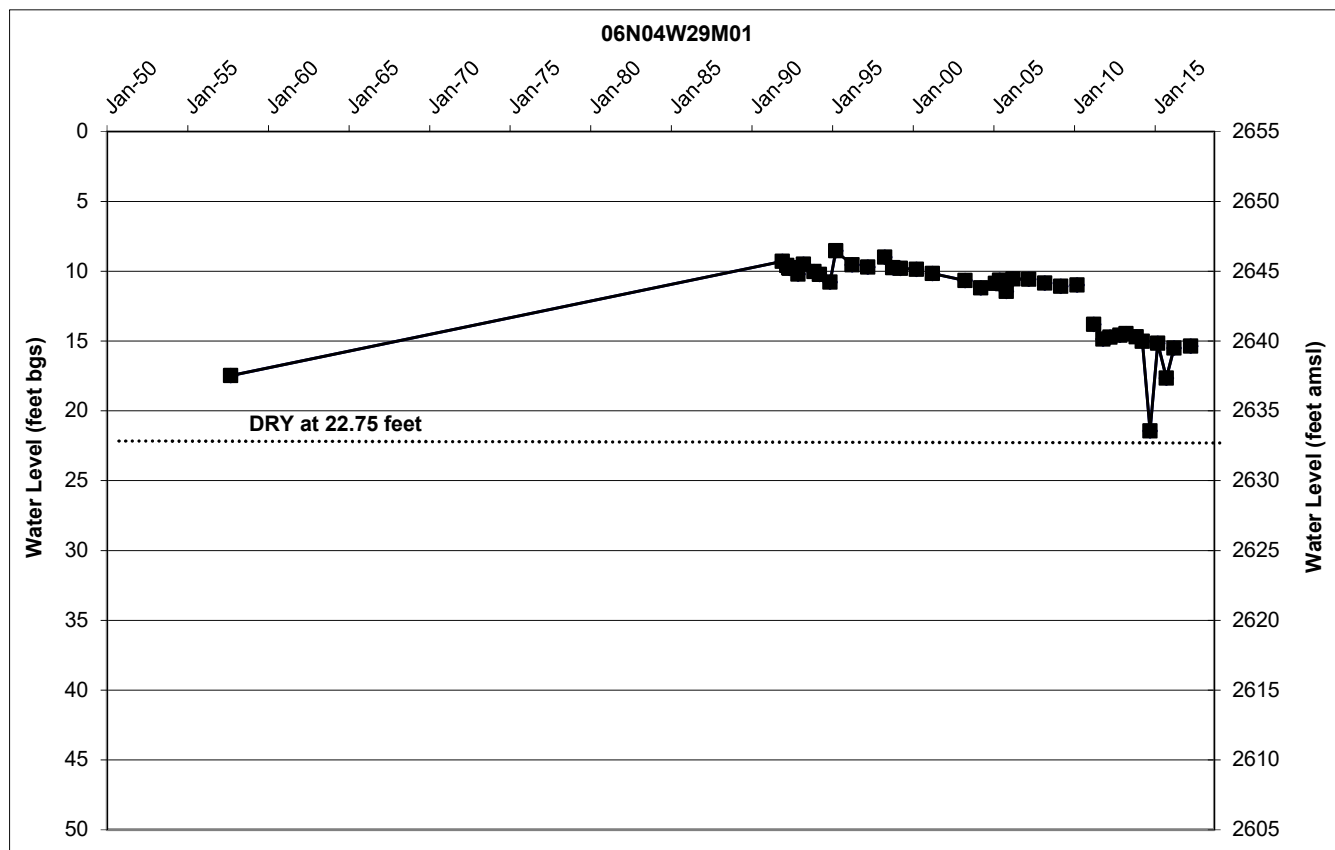


FIGURE 3-9

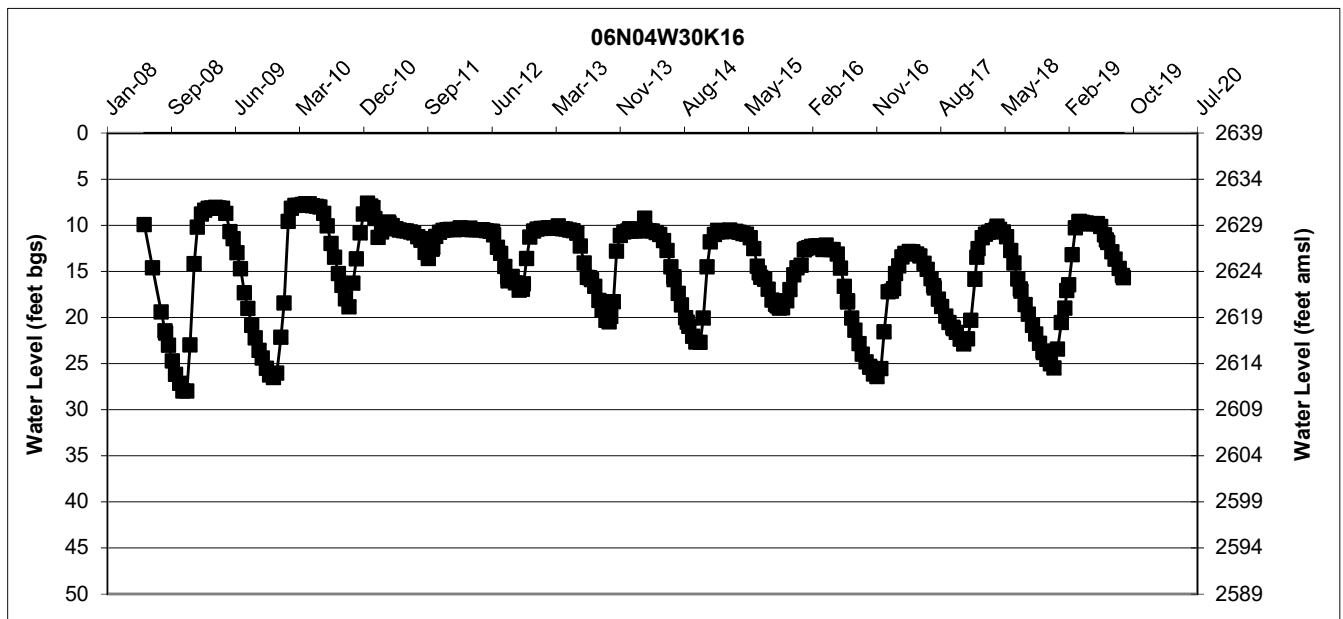
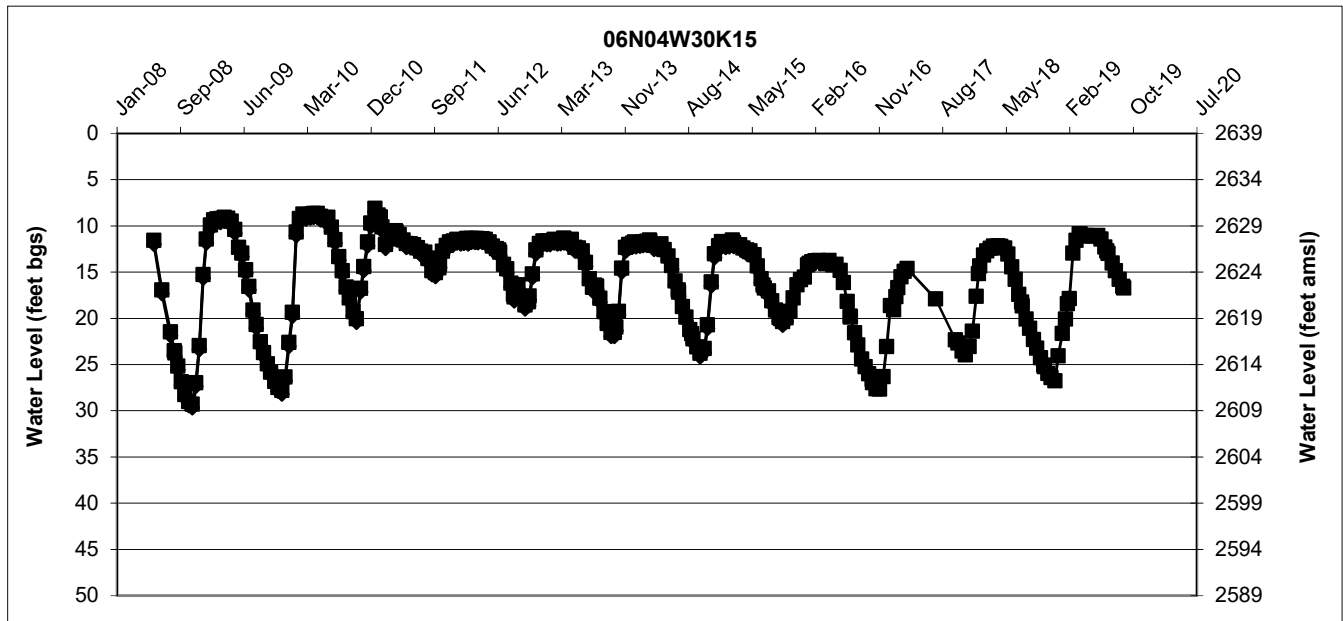
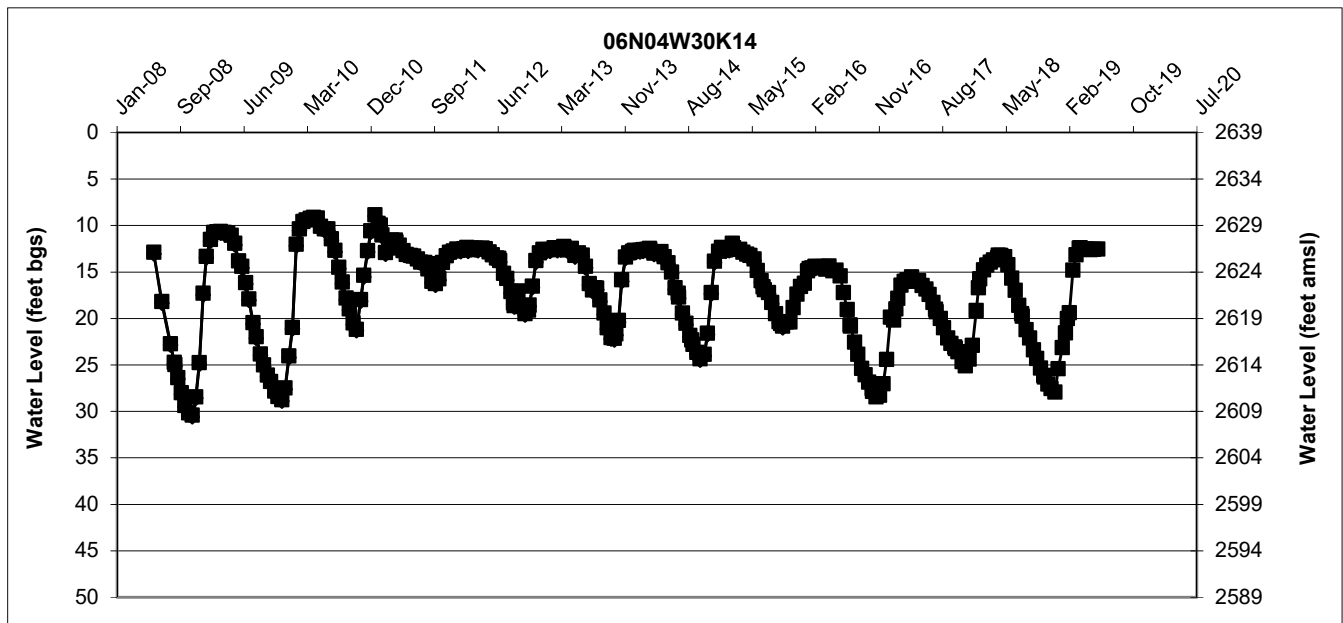


FIGURE 3-9

Transition Zone Water Balance

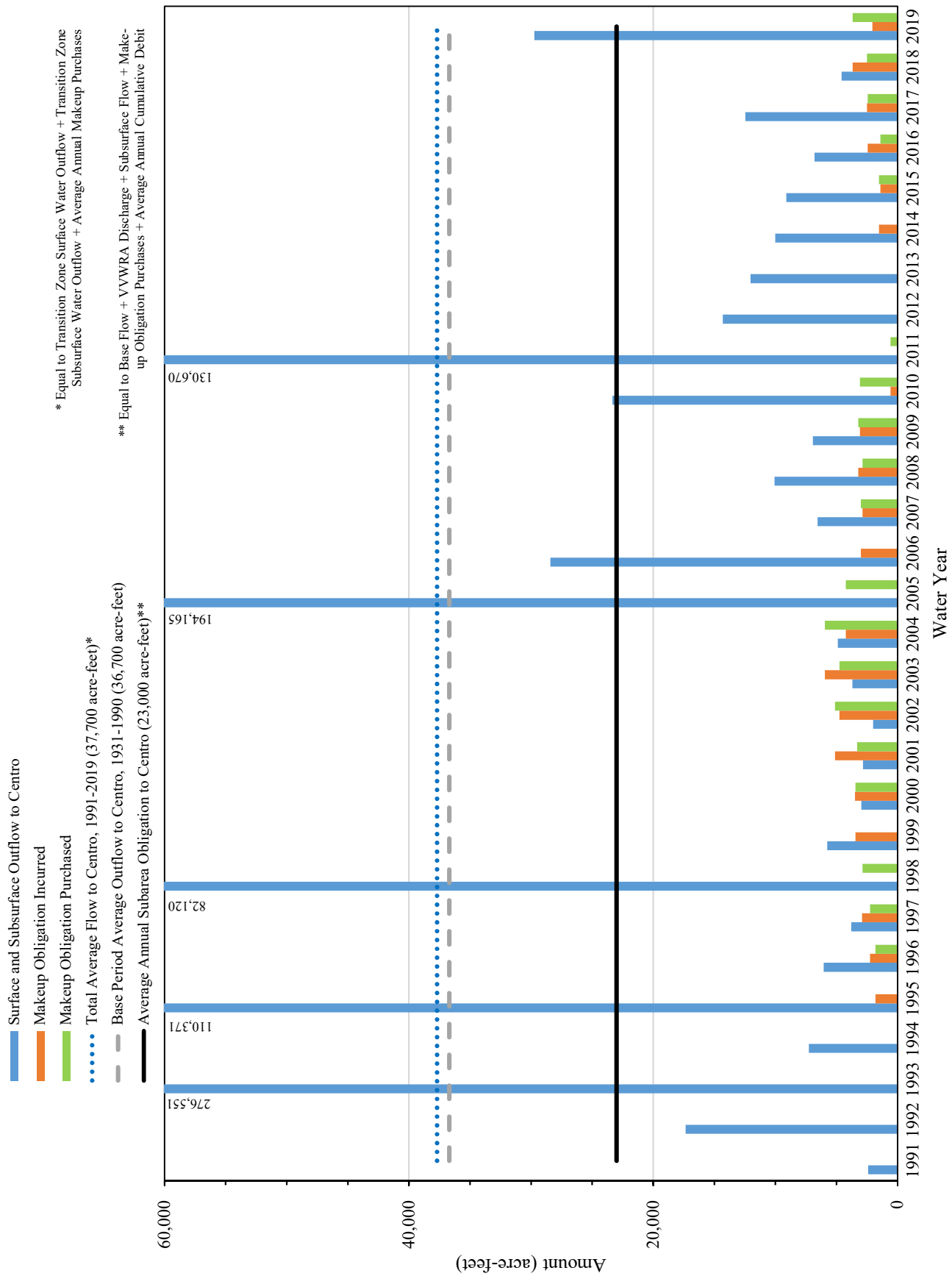


FIGURE 3-10

Subarea Water Levels

Water levels within each of the five Subareas were reviewed as part of the Watermaster's investigation into Subarea conditions and recommendations on Free Production Allowance. Water levels are measured by the Mojave Water Agency and are also reported to the California Statewide Groundwater Elevation Monitoring (CASGEM) program. The Judgment does not specifically require that Watermaster consider changes in water levels in its investigation but Paragraph 24 (o) of the Judgment requires Watermaster to consider changes of water in storage. Rising and falling water levels within the Basin Area are indications of changes in storage over time. While the amount of water level data collected and maintained by MWA is extensive, it is not sufficient to determine changes in storage in each Subarea by using changes in water levels. However, the data is sufficient to make generalizations about the conditions in each Subarea. Watermaster has estimated the annual change in storage for each Subarea in Table 3-2.

Hydrographs of wells generally representative of Subarea conditions are maintained by MWA for public review at: <http://www.mojavewater.org/subarea-hydrograph-gallery.html>

A more extensive set of water level data is reported by Mojave Water Agency to the CASGEM program at: http://www.water.ca.gov/groundwater/casgem/online_system.cfm

The hydrographs were presented for inspection at the February and March 2020 Watermaster meetings and discussed in detail by the Engineer. Figures 3-11 through 3-17 are reduced copies of the exhibits available on the MWA website. A summary of the water levels for each Subarea is presented below.

Alto Subarea

Water levels in Alto are presented on three maps depicting hydrographs that represent conditions throughout Alto. 1) Western portion is generally west of the Mojave River (the river is included in the western portion); 2) Eastern portion is generally east of the Mojave River; and 3) Alto Transition Zone. Alto water levels near the river are exhibiting seasonal variation, rising in winter and falling in summer. It is expected that, under current pumping conditions and long-term water supply, near river wells will remain stable; however it is noted, that variability showing lower lows and lower highs is an indication of extractions exceeding recharge. Water levels in the western portion of Alto in the regional aquifer exhibit declines consistent with locally heavy pumping and limited local recharge. Water levels in the eastern portion of Alto indicate similar trends although to a lesser extent; most likely due to limited pumping in the regional aquifer east

of the river. Continued pumping in depleted areas of the regional system may result in long local negative impacts such as declining yields and water quality problems. Watermaster is not aware of widespread problems in the regional system due to the falling water table. Water levels in near river wells, particularly in the upper part of Alto, experienced a trend of decline for 6 years consistent with limited recharge due to drought conditions. However, several wells show response to available recharge from the storms of 2019. As previously noted, water supply conditions for the past 8 years have been dry (44.9% of Base Period average). Continuation of dry conditions will result in water level declines.

Baja Subarea

Baja water levels continue to decline due to over pumping and limited recharge opportunities. Wells near the river in the Daggett area respond to recharge when it is available but continue to fall immediately following storm events. Water levels elsewhere in Baja show declines without indicating recovery after storms.

Centro Subarea

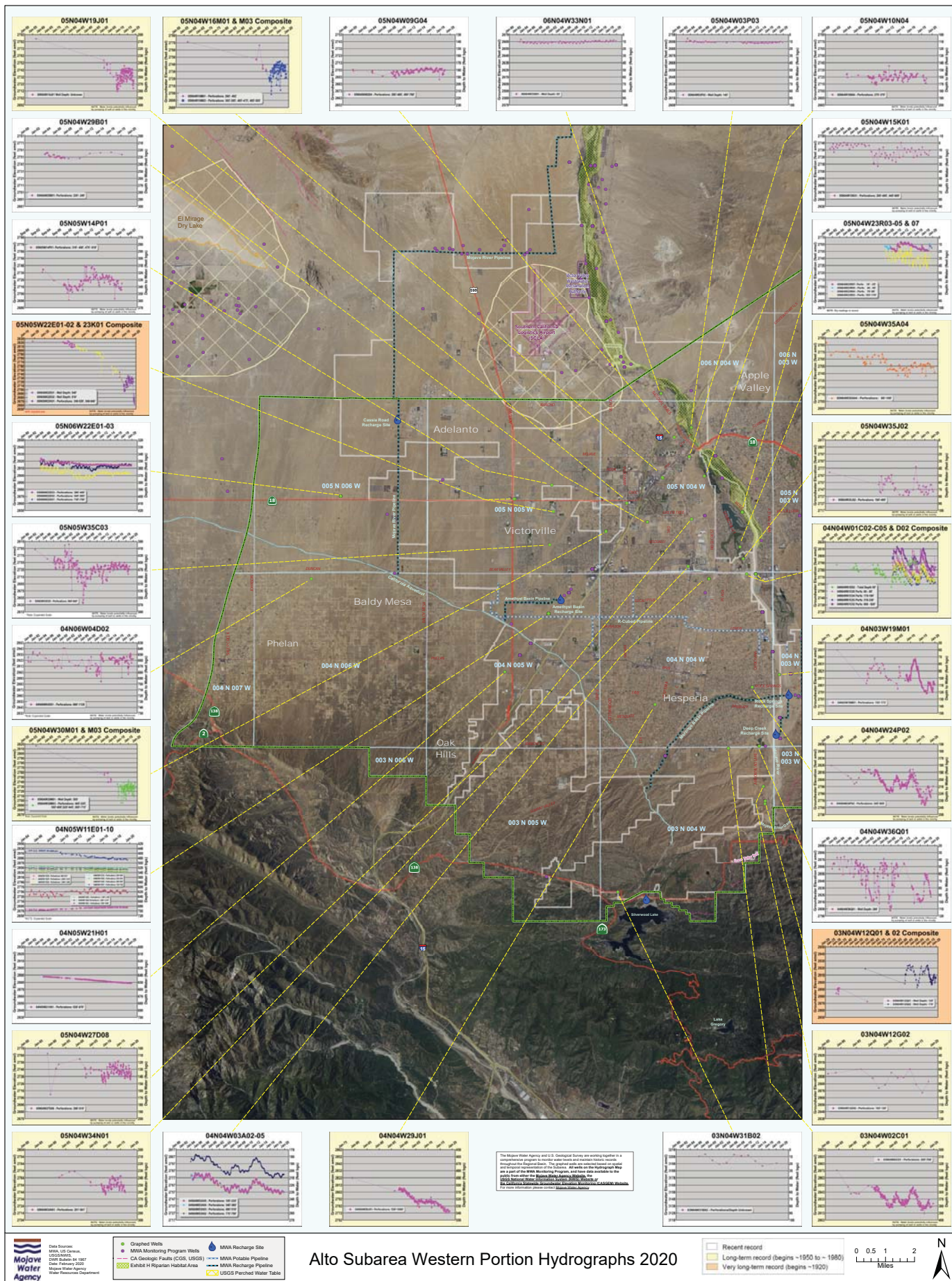
Water levels in Centro have been stable showing seasonal variability and declines during dry years but generally recover during wet periods. Water levels in the Harper Lake area indicate a slow recovery due primarily to cessation of pumping during the past several years. Water levels near Hodge and Lenwood road show the effects of pumping and limited recharge during at least the past 8 years.

Este Subarea

Water levels in Este have remained stable for the past several years indicating a relative balance between recharge and outflow.

Oeste Subarea

Water levels in Oeste have declined over time and are likely to continue to decline as water production increases in-step with projected population growth. However, reviewing the available data on a shorter time frame of 15-20 years indicates that, in the short-term, water levels are variable but stable. Water production, water use and water level data indicate that over the past 15-20 years, water supply and demands (local precipitation, return flow from pumping, extractions, and outflow) are about equal. However, the past 15-20 years may not be representative of the longer-term water supply conditions in Oeste. Further, population and thus water demand is expected to increase in the future, which will result in continued water level decline.



Alto Subarea Western Portion Hydrographs 2020

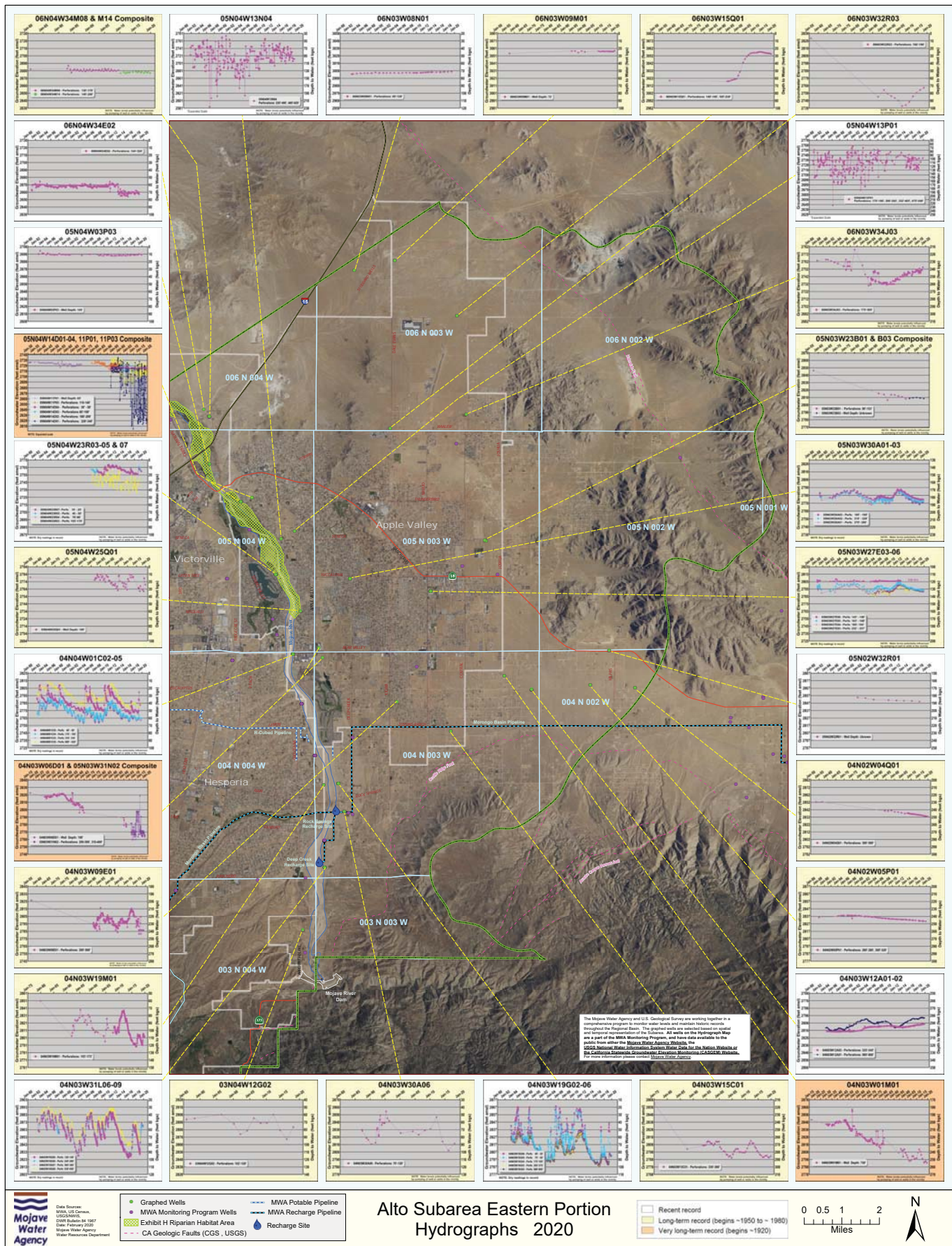


FIGURE 3-12

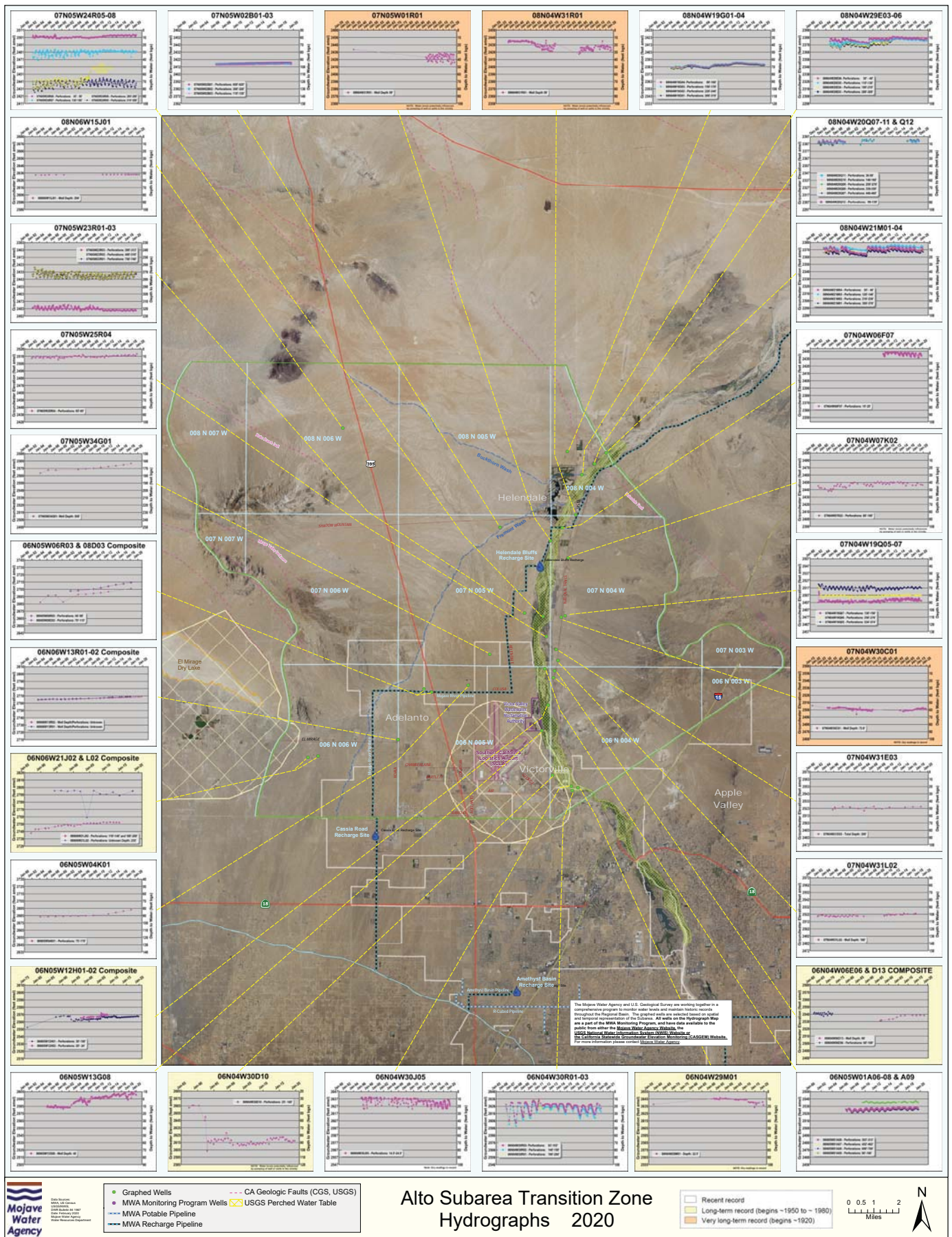


FIGURE 3-13

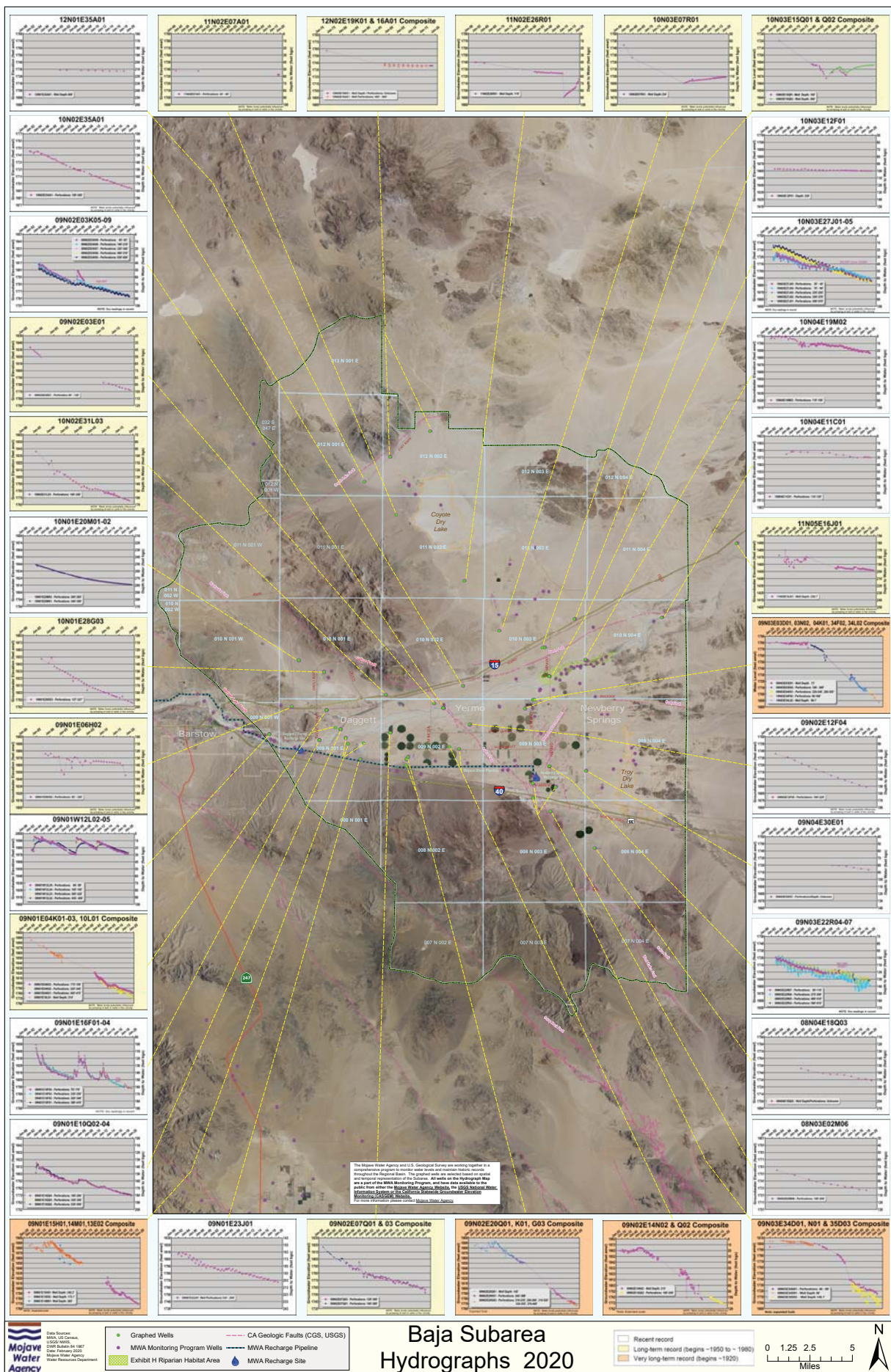


FIGURE 3-14

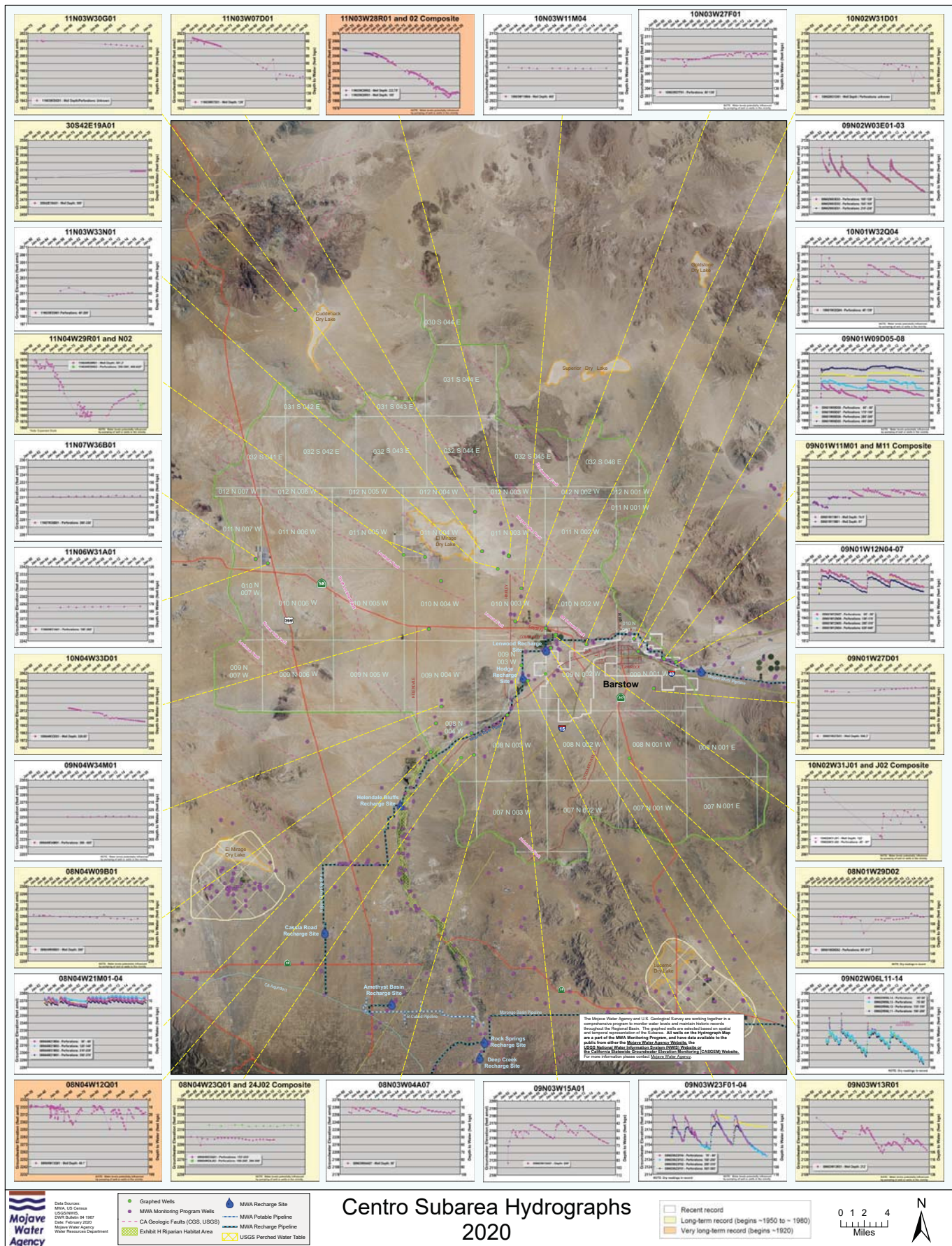


FIGURE 3-15



FIGURE 3-16

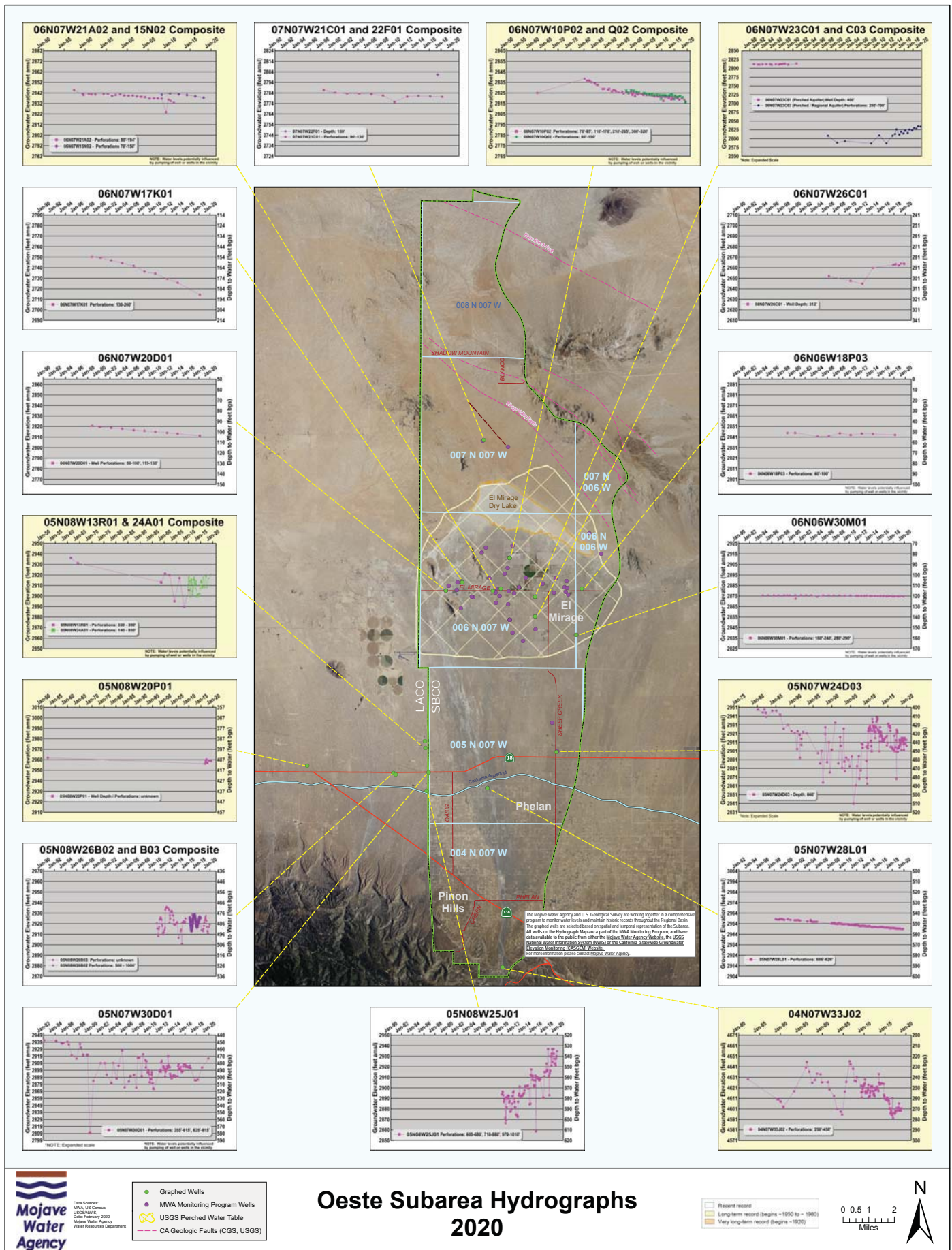


FIGURE 3-17

State of the Basin

Watermaster has developed a graphical decision-making tool to assess changes of water in storage over time. Developed cooperatively with MWA, the tool is part of a larger program to track changes in water levels and match the changes with an annual calculation of inflow, outflow, and consumptive uses. Watermaster has developed a methodology for evaluating and estimating consumptive uses on an individual producer basis providing a more precise estimate of water use in each Subarea resulting in a more reliable calculation of change in storage. Consumptive use has been evaluated for the last seven years and continues to become increasingly fine-tuned as individual producer's use and each Subarea's hydrogeology are fully understood.

Watermaster has conducted an annual estimate of consumptive uses concurrent with Watermaster annual water production verification. Water production and use data compiled, verified and maintained by Watermaster were analyzed to determine the portion of water produced that was consumptively used.

The consumptive use analysis has been conducted annually since Water Year 2011-12 to provide estimates for irrigation demands for crops, septic return flow, sewage return flow, municipal and domestic outdoor return flow, as well as estimates of consumptive use for golf courses, parks and recreational lakes. The analysis breaks down each producer's water production into component parts, calculates a consumptive use for each sequential use and sums the results. Production records and land uses are evaluated annually for each individual producer. Daily climate data, soil survey information, crop development characteristics (crop coefficients, maximum effective rooting depth, and allowable soil water depletion), and producer's agricultural uses are analyzed to determine an irrigation demand. For municipal uses, available water purveyor data is evaluated to estimate per capita indoor and outdoor use for single-family and multi-family residential uses as well as industrial and commercial uses where applicable. Domestic uses are also evaluated on an individual producer level and indoor and outdoor use is estimated. The aggregate of each individual producer's consumptive use, in conjunction with available surface flow data, estimates of subsurface flow between subareas, and imported water result in the annual change in storage calculation.

Figures 3-18 through 3-22 show the accumulated storage change annually in each Subarea. Change in storage in the groundwater basin is calculated by subtracting the sum of the elements of inflow including imports, from outflow, consumptive uses, and exports. The information shown on the figures is indicative of the sustainability of the water supply conditions in each subarea.

Various ranges, shown by color gradations from blue to red, were developed for the Alto and Centro Subareas. In Alto (Figure 3-18), the minimum operating level is the amount of calculated storage change as of 2005, during which time the basin was considered to be healthy. The maximum operating level is the minimum level plus 5 years of average annual consumptive use. Average annual consumptive use in Alto is about 56,000 acre-feet, representing a year of pumping under the land and water use conditions existing since 1996.

In Centro (Figure 3-19) the minimum operating range is the amount of calculated storage change since 1997, the lowest since the Judgment, during which time the basin was considered to be healthy. The maximum operating level is the minimum level plus a supply of 5 average annual consumptive uses, with an average annual consumptive use being about 18,000 acre-feet from 1996 to 2019.

Conditions in Baja (Figure 3-20) have yet to stabilize since 1996. As such, optimal operating parameters have not been established. Figure 3-20, (for Baja), shows the continued overdraft and continued depletion of groundwater in storage.

The optimal operating parameters for Este (Figure 3-21) have not been established, though the elements of water supply use and disposal appear to be balanced based on water level data for at least the past 19 years. As shown on Table 3-2, water supply for Este for 2018-2019 is approximately 3,900 acre-feet, assuming annual average change in storage is approximately zero.

Elements of water production, water supply, and outflow in Oeste (Figure 3-22) are roughly in balance over the past 18 years. A detailed review of the water levels in Oeste over the past several years indicates a short-term stability in some areas. In order to reflect the relatively stable water levels as indicated in the regional well hydrographs, Table 3-2 reflects “no change in storage.” Optimal operating parameters for Oeste have not been established.

MWA’s 2015 Urban Water Management Plan considered three water shortage scenarios for evaluating water supply reliability. The scenarios included a six-month outage of the State Water Project (SWP) as well as a single year historic drought on the SWP and the historic four-

year SWP drought. In part, the Operating Ranges for healthy long-term subarea operation as shown on Figures 3-18 and 3-19 are reflective of the dry year scenarios referenced in the 2015 UWMP. During the 19 years since Entry of Judgment, basin operating storage has ranged from a decline of approximately 3.4 years of consumptive use in Alto (189,342 acre-feet), and 3 years in Centro (55,058 acre-feet), to an increase of 4 years in Alto (226,489 acre-feet), and 7.5 years in Centro (137,389 acre-feet). The operating ranges, about 282,000 acre-feet in Alto and about 92,000 acre-feet in Centro, are well within the limits identified for dry year reliability envisioned by the 2015 UWMP. Since 1996, Baja has lost about 455,465 acre-feet of groundwater storage. There is concern that the Baja subarea could not sustain a continued reduction in storage.

Watermaster uses the State of the Basin analysis for documenting sustainability of the groundwater basin in reference to legislation enacted as Water Code sections 10720-10720.9 known as the Sustainable Groundwater Management Act (SGMA). The annual change in storage determined from the methodology described above for Water Year 2018-19 is shown on Table 3-2.

TABLE 3-2

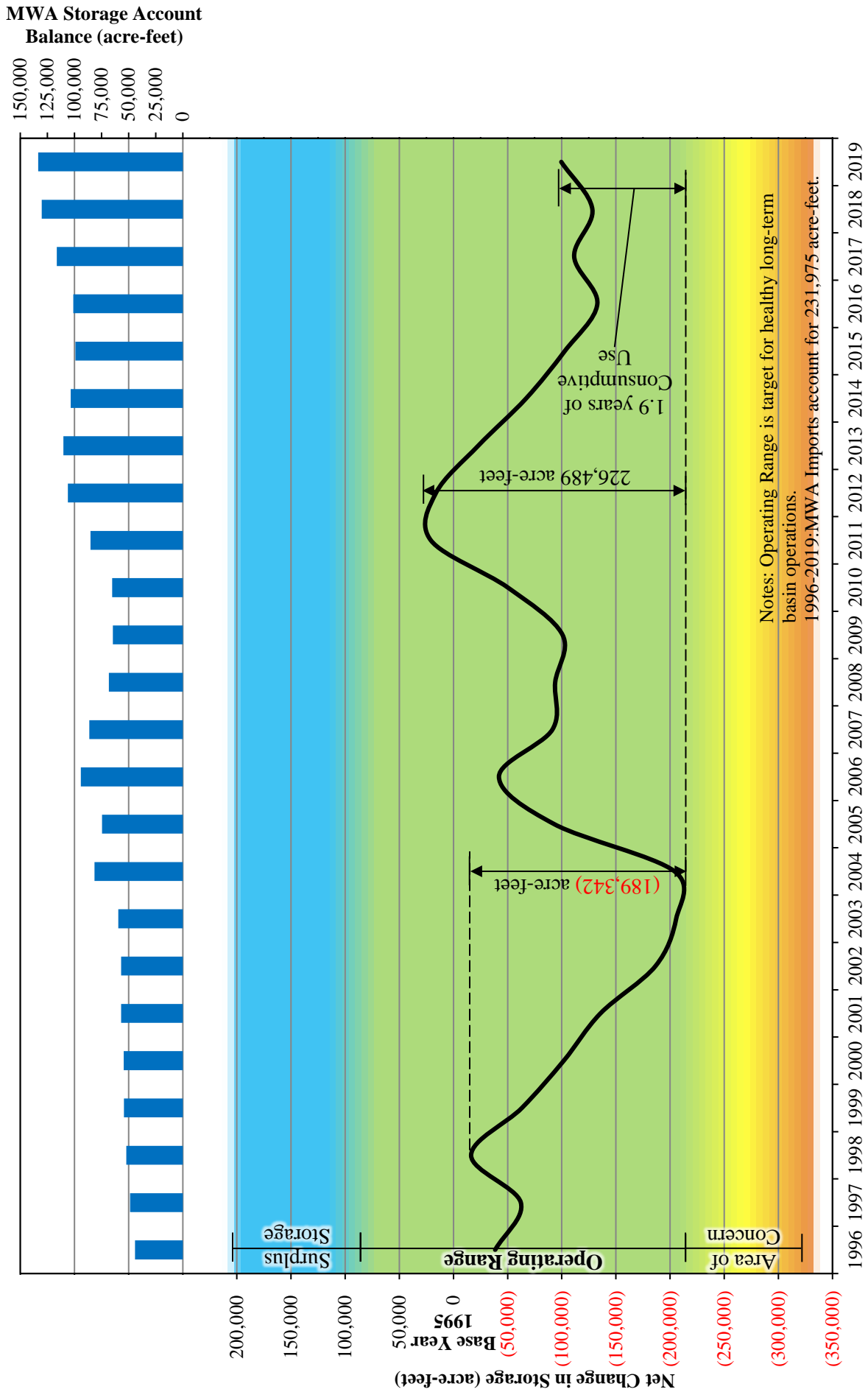
**ANNUAL CHANGE IN STORAGE BY SUBAREA
WATER YEAR 2018-19
(AMOUNTS IN ACRE-FEET)**

	<u>Este¹</u>	<u>Oeste²</u>	<u>Alto</u>	<u>Centro</u>	<u>Baja</u>	<u>Total</u>
Total Water Supply	3,834	3,372	107,061	30,949	3,584	148,800
Total Outflow and Consumptive Use	3,834	3,372	78,398	19,675	24,697	129,977
Net Change in Storage	0	0	28,663	11,274	(21,113)	18,823

Notes

- 1. Water level data indicates little or no change in storage on an average annual basis; water supply is estimated to balance outflow and consumptive use.**
- 2. Short term water levels indicate balance supply and demand for the past 15-20 years. This condition is unstable as population and water demand is expected to increase.**

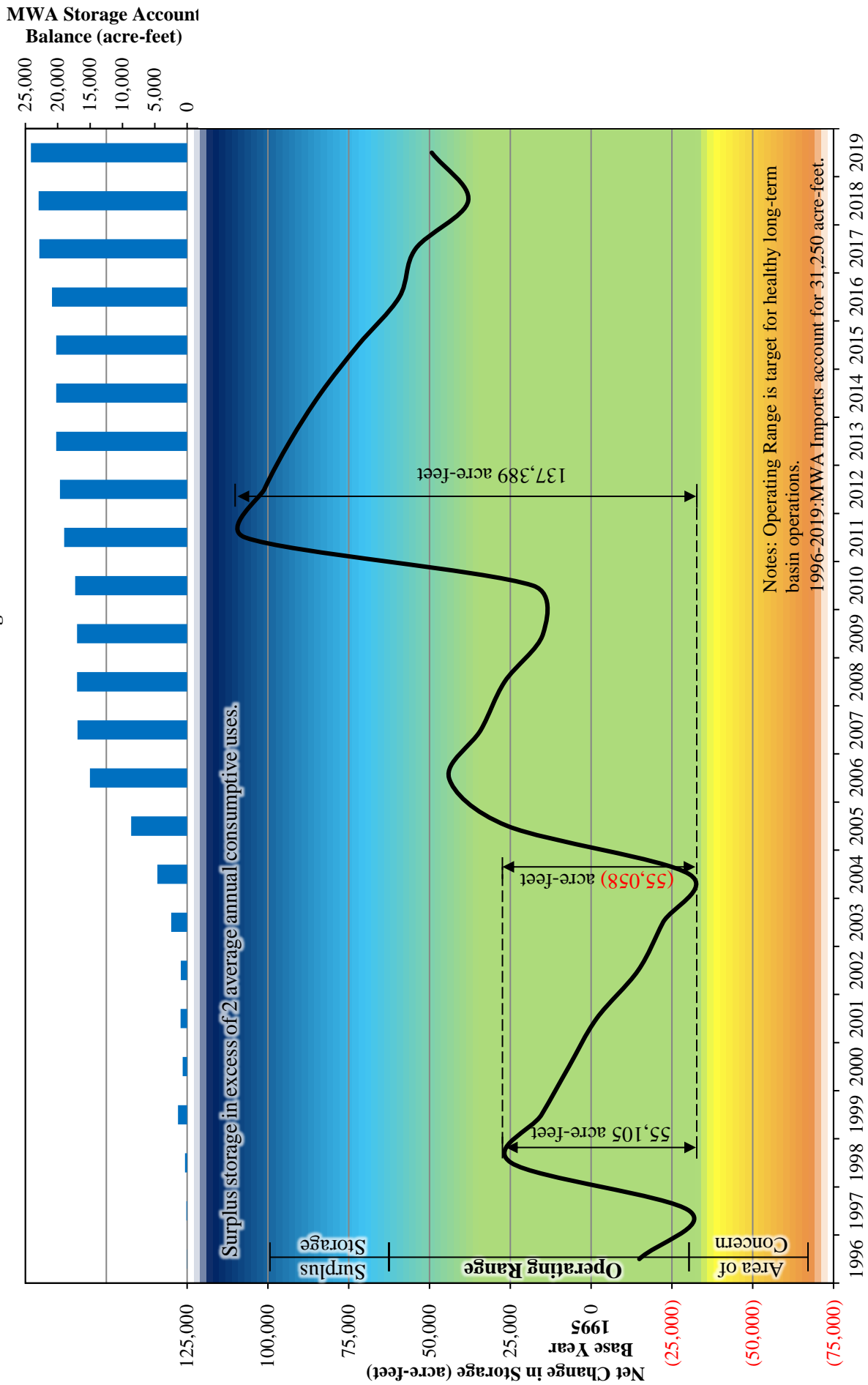
Alto Subarea Net Change in Storage and MWA Storage Account Balance Water Years 1996 through 2019



Operating range based on lowest amount in storage of -205,635af, during which the basin was considered to be healthy, plus a supply of 5 average annual consumptive uses, with an average annual consumptive use equating to 56,191 af from 1996 through present. Surplus Storage and Area of Concern each represent 2 average annual consumptive uses.
Source: Consumptive Use for 1996-2011 per Robert C. Wagner, Watermaster Engineer. Consumptive Use for 2012-2019 based on analysis of individual producers, Robert C. Wagner, Watermaster Engineer, 2020.

FIGURE 3-18

Centro Subarea Net Change in Storage and MWA Storage Account Balance Water Years 1996 through 2019

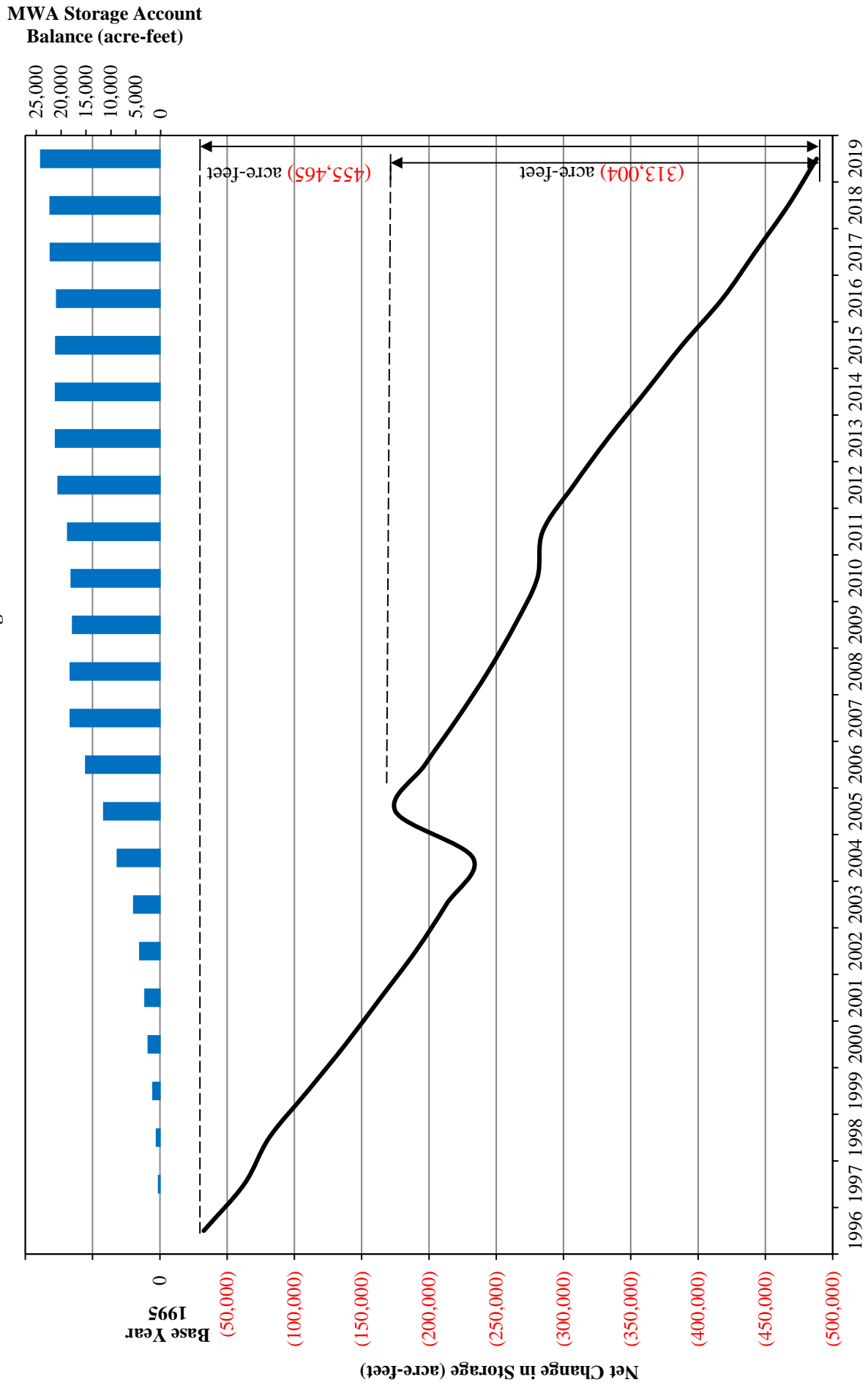


Operating range based on lowest amount in storage of -30,407af, during which the basin was considered to be healthy, plus a supply of 5 average annual consumptive uses, with an average annual consumptive use equating to 18,485 af from 1996 through present. Surplus Storage and Area of Concern each represent 2 average annual consumptive uses.

Source: Consumptive Use for 1996-2011 per Robert C. Wagner, Watermaster Engineer. Consumptive Use for 2012-2019 based on analysis of individual producers, Robert C. Wagner, Watermaster Engineer, 2020.

FIGURE 3-19

Baja Subarea **Net Change in Storage and MWA Storage Account Balance** Water Years 1996 through 2019



Source: Consumptive Use for 1996-2011 per Robert C. Wagner, Watermaster Engineer. Consumptive Use for 2012-2019 based on analysis of individual producers. Robert C. Wagner, Watermaster Engineer, 2020.

FIGURE 3-20

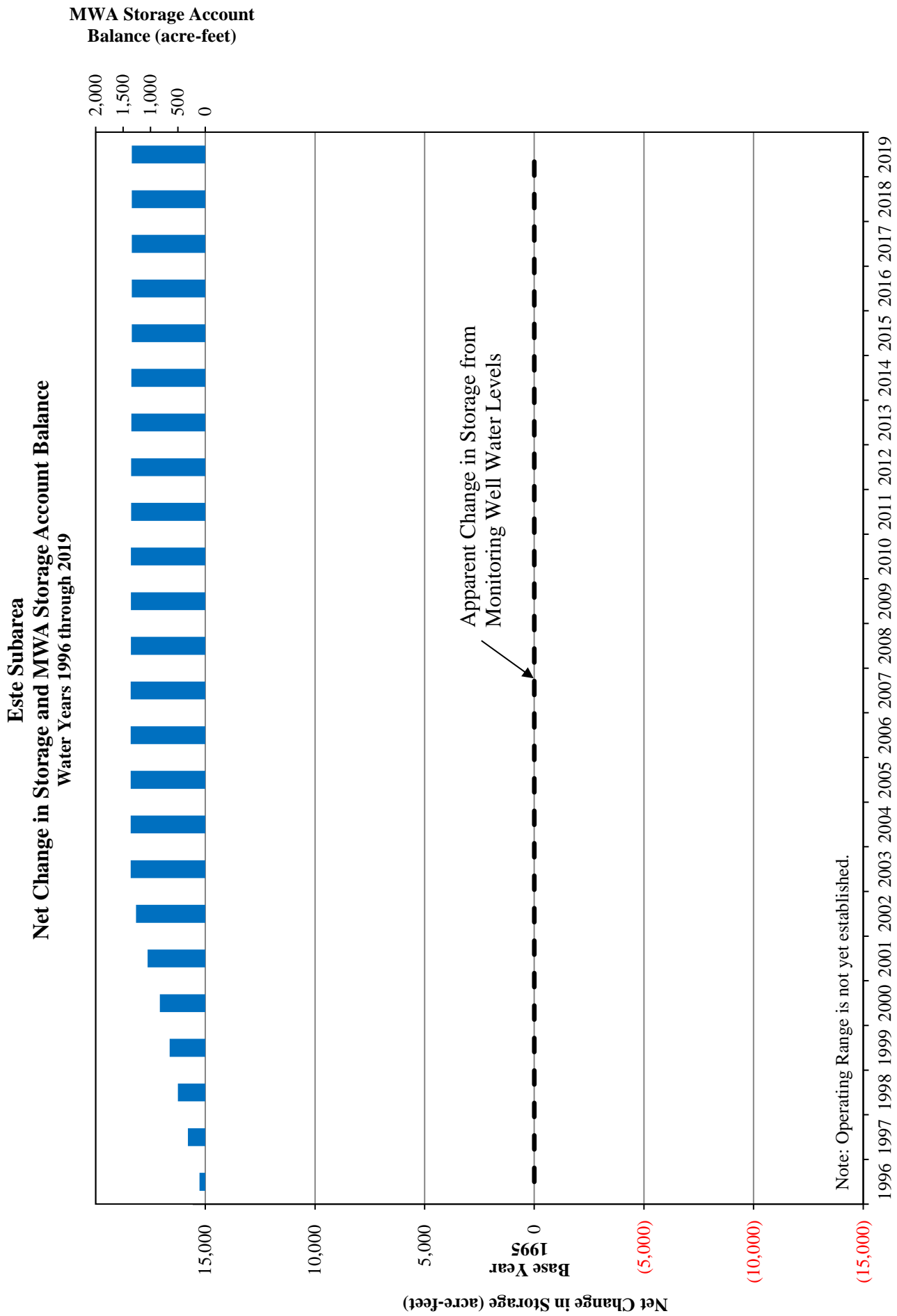


FIGURE 3-21

Oeste Subarea
Net Change in Storage and MWA Storage Account Balance
Water Years 1996 through 2019

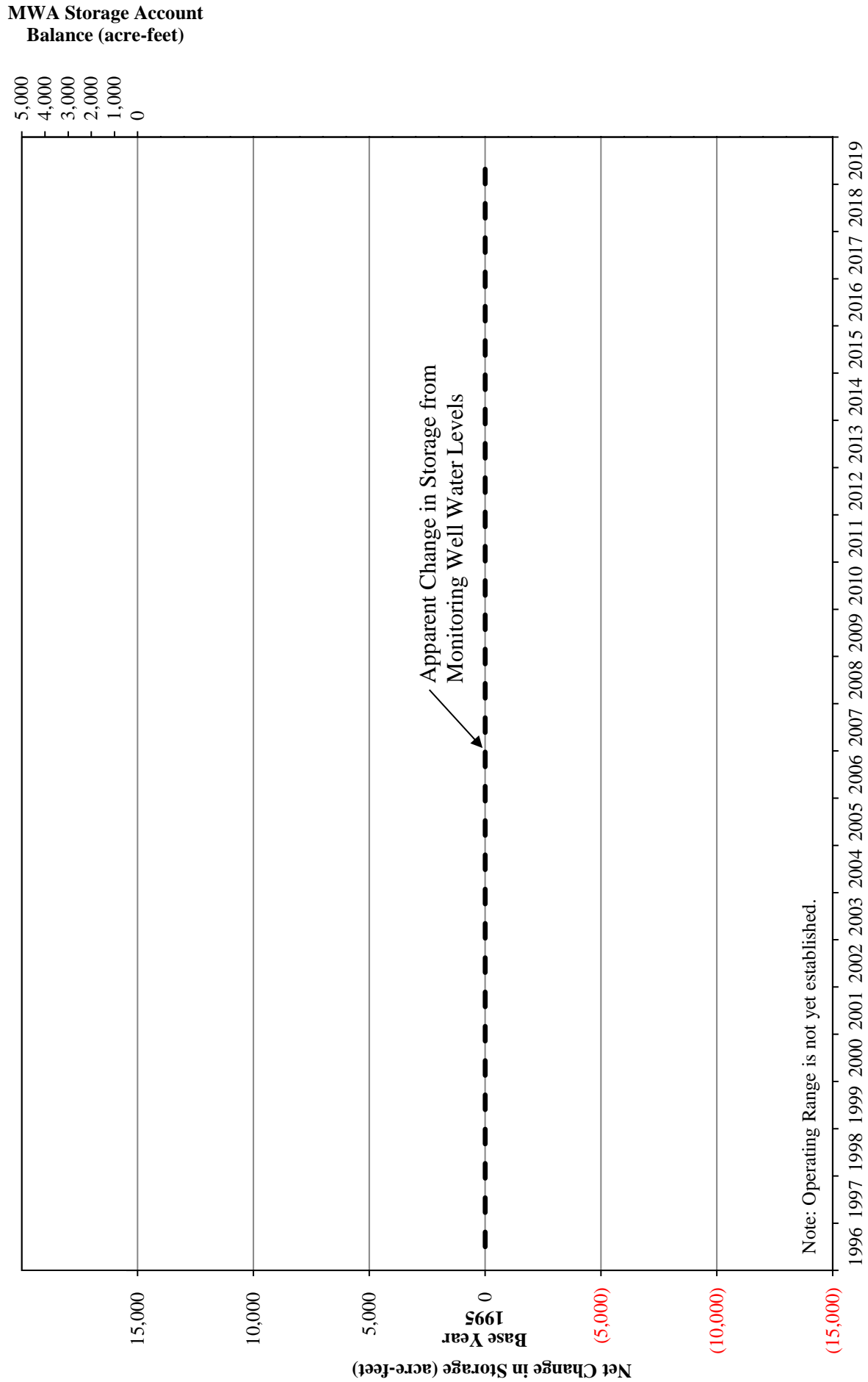


FIGURE 3-22

CHAPTER 4

STATUS OF REPLACEMENT WATER AND MAKEUP WATER OBLIGATIONS

Appendix B summarizes each Producer's Replacement Water and Makeup Water Obligations as well as any related assessments due and payable by July 1, 2020.

Replacement Water

Each Producer's Replacement Water Obligation in each Subarea was calculated by subtracting that Producer's 2018-19 share of FPA (plus any transferred or carryover FPA) from that Producer's verified production in 2018-19. Each Producer's Replacement Water Assessment was calculated by multiplying that Producer's Replacement Water Obligation by the 2018-19 Replacement Water Assessment Rate of \$591.00 per acre-foot. In lieu of paying Replacement Water Assessments, a Producer may satisfy a Replacement Water Obligation in a Subarea by acquiring another Producer's Unused FPA from 2018-19 in the same Subarea (subject to any consumptive use adjustments) and reporting such acquisition to the Watermaster on appropriate forms provided by the Watermaster not later than 30 days prior to the regularly scheduled Watermaster Meeting in May 2020. Unused FPA during 2018-19 for each Producer within each Subarea is set forth in Appendix B.

Table 4-1 summarizes the Replacement Water Obligations and Assessments and Unused FPA for 2018-18 in each Subarea.

TABLE 4-1

**SUMMARY OF REPLACEMENT WATER OBLIGATIONS
AND
REPLACEMENT WATER ASSESSMENTS FOR
WATER YEAR 2018-19**

<u>Subarea</u>	<u>Replacement Water Obligations</u> (acre-feet)	<u>Replacement Water Assessments</u>	<u>Unused FPA</u> (acre-feet)
Este	376	\$222,216.00	15,084
Oeste	0	\$0.00	4,897
Alto	14,721	\$8,700,111.00	21,382
Centro	112	\$66,192.00	36,517
Baja	1,254	\$741,114.00	16,993
Total	16,463	\$9,729,633.00	94,873

Makeup Water

The Base Flow determination of 4,533 acre-feet prepared by the Watermaster Engineer was presented to the Watermaster at the regularly scheduled meeting January 22, 2020. Table 4-2 summarizes the flows credited to each Subarea obligation during Water Year 2018-19, the status of each Subarea at the end of the year and each minimum obligation for Water Year 2018-19. The Makeup Obligation from the Alto Subarea to the Centro Subarea for Water Year 2018-19 is 2,051 acre-feet. Table 4-3 shows the year over year Makeup Obligation from Alto to Centro beginning in Water Year 2009-10.

During the first ten years of implementation of the Judgment, the subsurface flow obligations between Subareas were assumed to be met. Subsequently, Watermaster revisited the subsurface flow assumptions in the Judgment and recommended no changes. Subject to continued monitoring, the Makeup Obligations are assumed to be met.

TABLE 4-2
STATUS OF SUBAREA OBLIGATIONS
AT THE END OF WATER YEAR 2018-19

Subareas	<u>Este</u>	<u>Oeste</u>	<u>Alto</u>	<u>Centro</u>	<u>Baja</u>
			Transition		
Obligation to	Alto	Alto	Zone	Baja	Afton
Average Annual Obligation in acre-feet	200	800	23,000	1,200	400
Status at Beginning of 2018-19					
Cumulative Obligation	5,000	20,000	575,000	30,000	10,000
Cumulative Flow	5,000	20,000	554,196	30,000	7,042
Net cumulative Credit (Debit)	0	0	(20,804)	0	(2,958)
Flow During 2018-19					
Base Flow	---	---	4,533	---	---
Subsurface Flow	200	800	2,000	1,200	249
Other Water	0	0	13,077	0	0
Makeup Water Purchased	<u>0</u>	<u>0</u>	<u>3,674</u>	<u>0</u>	<u>0</u>
Total Flow	200	800	23,284	1,200	249
Minimum Obligations for 2018-19	160	640	25,335	960	2,878
Makeup Obligation Incurred	0	0	2,051	0	2,629
Status at End of 2018-19					
Cumulative Obligation	5,200	20,800	598,000	31,200	10,400
Cumulative Flow	<u>5,200</u>	<u>20,800</u>	<u>577,480</u>	<u>31,200</u>	<u>7,291</u>
Net Cumulative Credit (Debit)	0	0	(20,520)	0	(3,109)
Minimum Obligation for 2019-20					
Annual Minimum	160	640	18,400	960	320
+ 1/3 of Cumulative Debit	0	0	6,840	0	1,036
+ Additional to reduce Cumulative Debit to Annual Obligation	0	0	0	0	1,673
Alternative Minimum for Alto ¹	---	---	---	---	---
Minimum Obligation for 2019-20	160	640	25,240	960	3,029 ²

1) Annual Minimum minus Cumulative Credit but not less than 15,000 acre-feet.

2) The accounting for the Baja Subarea Obligation is shown for illustrative purposes only. Pursuant to Paragraph 6 of Appendix G of the Judgment, subsurface flow obligations are assumed to have been met. Pursuant to the Court order dated 6/5/2006, Watermaster is relieved of evaluation of the subsurface flow from BAJA across the Mojave Water Agency administrative boundary about six miles upstream of Afton.

TABLE 4-3

**STATUS OF ALTO SUBAREA OBLIGATIONS
WATER YEARS 2009-10 THROUGH 2018-19**

Water Year	<u>2009-10</u>	<u>2010-11</u>	<u>2011-12</u>	<u>2012-13</u>	<u>2013-14</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>
Average Annual Obligation in acre-feet	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000
Status at Beginning of Water Year										
Cumulative Obligation	368,000	391,000	414,000	437,000	460,000	483,000	506,000	529,000	552,000	575,000
Cumulative Flow	<u>345,161</u>	<u>370,609</u>	<u>398,148</u>	<u>423,651</u>	<u>447,286</u>	<u>468,411</u>	<u>490,268</u>	<u>511,465</u>	<u>533,205</u>	<u>554,196</u>
Net cumulative Credit (Debit)	(22,839)	(20,391)	(15,852)	(13,349)	(12,714)	(14,589)	(15,732)	(17,535)	(18,795)	(20,804)
Flow During Water Year										
Base Flow	5,849	10,149	8,829	7,325	6,227	5,418	4,851	4,031	3,662	4,533
Subsurface Flow	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Other Water	14,525	14,825	14,674	14,310	12,898	12,926	12,940	13,262	12,824	13,077
Makeup Water Purchased	<u>3,074</u>	<u>565</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1,513</u>	<u>1,406</u>	<u>2,447</u>	<u>2,505</u>	<u>3,674</u>
Total Flow	25,448	27,539	25,503	23,635	21,125	21,857	21,197	21,740	20,991	23,284
Minimum Obligations	26,013	25,197	23,684	22,850	22,638	23,263	23,644	24,245	24,665	25,335
Makeup Obligation Incurred	565	0	0	0	1,513	1,406	2,447	2,505	3,674	2,051
Status at End of Water Year										
Cumulative Obligation	391,000	414,000	437,000	460,000	483,000	506,000	529,000	552,000	575,000	598,000
Cumulative Flow	<u>370,609</u>	<u>398,148</u>	<u>423,651</u>	<u>447,286</u>	<u>468,411</u>	<u>490,268</u>	<u>511,465</u>	<u>533,205</u>	<u>554,196</u>	<u>577,480</u>
Net Cumulative Credit (Debit)	(20,391)	(15,852)	(13,349)	(12,714)	(14,589)	(15,732)	(17,535)	(18,795)	(20,804)	(20,520)
Minimum Obligation for Next Year										
Annual Minimum	18,400	18,400	18,400	18,400	18,400	18,400	18,400	18,400	18,400	18,400
+ 1/3 of Cumulative Debit	6,797	5,284	4,450	4,238	4,863	5,244	5,845	6,265	6,935	6,840
+ Additional to reduce Cumulative Debit to Annual Obligation	0	0	0	0	0	0	0	0	0	0
Alternative Minimum ¹	---	---	---	---	---	---	---	---	---	---
Minimum Obligation for Next Year	25,197	23,684	22,850	22,638	23,263	23,644	24,245	24,665	25,335	25,240

1) Annual Minimum minus Cumulative Credit but not less than 15,000 acre-feet.

CHAPTER 5

FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21

Pursuant to paragraph 24 (o) of the Judgment After Trial dated January 10, 1996, the Watermaster is required to make a recommendation to the Court for adjusting the FPA of each Subarea, if necessary.

Exhibit H of the Judgment provides that in the event that the FPA exceeds the estimated Production Safe Yield (PSY) by five percent or more (of the Subarea BAP), Watermaster shall recommend a reduction in FPA equal to a full five percent of the aggregate Subarea BAP.

In 2018 an update to Production Safe Yield and Consumptive Use for each subarea was completed at the court's request. Previously, PSY was updated in August 2000. Consumptive use and PSY are defined by the Judgment as follows:

- Production Safe Yield - The highest average Annual Amount of water that can be produced from a Subarea: (1) over a sequence of years that is representative of long-term average annual natural water supply to the Subarea net of long-term average annual natural outflow from the Subarea, (2) under given patterns of Production, applied water, return flows and Consumptive Use, and (3) without resulting in a long-term net reduction of groundwater in storage in the Subarea.
- Consumption or Consumptive Use - The permanent removal of water from the Mojave Basin Area through evaporation or evapo-transpiration.

Consumptive use is important because it is used to estimate return flow. Return flow is the difference between water production for a particular use and the estimated consumptive use of the production. Return flow is therefore considered part of the water supply.

The PSY estimate includes long-term hydrology as specified in the Judgment, consumptive uses for 2017-18 (updated), phreatophyte use as indicated in the Judgment, Subarea subsurface obligations and surface obligations between Alto and Centro (there are no other surface obligations in the Judgment). Table 5-1 shows the current PSY calculation.

The following table shows the current FPA for each Subarea and the estimated PSY.

<u>Subarea</u>	<u>Base Annual Production</u>	<u>2019-20 FPA</u>	<u>Production Safe Yield</u>	<u>Percent Difference¹</u>	<u>2018-19 Verified Production</u>
Alto	116,412	66,836	64,406	2.1%	69,782
Baja	66,157	21,474	12,189	14.0%	21,162
Centro	51,030	38,684	21,088	34.5%	18,231
Este	20,205	15,412	4,728	52.9%	4,029
Oeste	7,095	5,382	1,712	51.7%	3,380

¹This value represents the percent of BAP that PSY departs from FPA.

The Judgment's purpose is to balance supply and demand and allocate the cost to parties that over pump FPA. The purpose of Rampdown is not to cause a reduction in pumping but a reduction in FPA to cause imported water supply to be purchased to offset deficits.

The following is the recommendation for setting FPA for Water Year 2020-21:

<u>Subarea</u>	<u>Proposed 2020-21 Free Production Allowance</u>
Alto – Agriculture	70% of Base Annual Production
Alto – Municipal & Industrial	55% of Base Annual Production
Centro	70% of Base Annual Production
Baja	25% of Base Annual Production
Este	70% of Base Annual Production
Oeste	70% of Base Annual Production

**Alto – 55% of BAP for M&I
70% of BAP for Agriculture**

FPA in Alto is within 5% of PSY of BAP (2.1%). Municipal and Industrial (M&I) producers' FPA is within 5% of the indicated PSY at the current level of 55%. It is recommended that Agricultural producers FPA be reduced by 5% to 70% for Water Year 2020-21. M&I FPA will remain at 55% for Water Year 2020-21. As noted above, FPA is within 5% (percentage of BAP) of PSY and thus, Exhibit H does not compel Watermaster to recommend rampdown. However, the purpose of Exhibit H is to require rampdown as needed for resource protection of the Exhibit H habitat areas. Water levels in some wells rose in response to recharge during 2019, but other wells show a continuing downward trend in response to locally drier than average water supply during the past 8 years. During 2018-19, inflow measured at Deep Creek and West Fork

Mojave River (the forks), was about 139% of base period average however the average water supply during the recent 8-year period 2012 to 2019, was only 44.9% of the long-term average. Sustained periods of below average inflow will cause continued water level declines.

Centro – 70% of BAP

FPA in Centro exceeds PSY by more than 5% of BAP (34.5%). Water levels in Centro are stable in most of Centro, and generally respond to storm flow when available in sufficient amounts to partially recharge the aquifer. However, in some areas, localized pumping causes water levels to be depressed. In order to balance FPA with PSY under the Judgment additional Rampdown is required. It is recommended that Centro FPA be reduced by 5% to 70% for Water Year 2020-21.

Baja – 25% of BAP

FPA in Baja exceeds PSY by more than 5% of BAP (14.0%). Overdraft continues as water levels continue to fall. Continuous declines result from pumping in excess of supply. It is recommended that FPA be reduced by 5% to 25% for Water Year 2020-21.

Este – 70% of BAP

FPA in Este exceeds PSY by more than 5% of BAP (52.9%). Water levels in Este are stable as water production has declined. Water production has declined in Este from 15,700 acre-feet in 1990 to 4,029 acre-feet in 2019. In order to balance FPA with PSY under the Judgment additional Rampdown is required. It is recommended that Este FPA be reduced by 5% to 70% for Water Year 2020-21.

Oeste – 70% of BAP

FPA in Oeste exceeds PSY by more than 5% of BAP (51.7%). Some water levels in Oeste exhibit steady decline and others are stable, although variable, over the past 15 years. Water levels in Oeste wells will decline as population growth increases water demands. In order to balance FPA with PSY under the Judgment additional Rampdown is required. It is recommended that Oeste FPA be reduced by 5% to 70% for Water Year 2020-21.

--SAMPLE CALCULATION--
TABLE C-1 OF JUDGMENT

Mojave Basin Area Adjudication
Subarea Hydrological Inventory Based On
Long-Term Average Natural Water Supply and Outflow
and Current Year Imports and Consumptive Use
(All Amounts in Acre-Feet)

	<u>Este</u>	<u>Oeste</u>	<u>Alto</u>	<u>Centro</u>	<u>Baja</u>	<u>Basin Totals</u>
WATER SUPPLY						
Surface Water Inflow						
Gaged	0	0	65,000	0	0	65,000
Ungaged	1,700	1,500	3,000	37,300 ¹	14,300 ²	6,500 ³
Subsurface Inflow	0	0	1,000	2,000	1,200	0 ⁴
Deep Percolation of Precipitation	0	0	3,500	0	100	3,600
Imports						
Lake Arrowhead CSD	0	0	1,500	0	0	1,500
Big Bear ARWWA	2,000	0	0	0	0	2,000
TOTAL	<u>3,700</u>	<u>1,500</u>	<u>74,000</u>	<u>39,300</u>	<u>15,600</u>	<u>78,600</u>
CONSUMPTIVE USE AND OUTFLOW						
Surface Water Outflow						
Gaged	0	0	0	0	8,200	8,200
Ungaged	0	0	37,300 ¹	14,000 ⁵	0	0
Subsurface Outflow	200	800	2,000	1,200	0	0
Consumptive Use						
Agriculture	6,800	2,900	16,300	20,300	30,200	76,500
Urban	1,900	1,200	36,300	9,500	9,700	58,600
Phreatophytes	0	0	5,100	900	1,500	7,500 ⁶
Exports	0	0	0	0	0	0
TOTAL	<u>8,900</u>	<u>4,900</u>	<u>97,000</u>	<u>45,900</u>	<u>49,600</u>	<u>150,800</u>
 Surplus / (Deficit)	 (5,200)	 (3,400)	 (23,000)	 (6,600)	 (34,000)	 (72,200)
Total Estimated Production (Current Year) ⁷	<u>15,700</u>	<u>7,600</u>	<u>98,900</u>	<u>46,500</u>	<u>54,300</u>	<u>223,000</u>
 PRODUCTION SAFE YIELD (Current Year) ⁷	 10,500	 4,200	 75,900	 39,900	 20,300	 150,800

¹ Estimated from reported flows at USGS gaging station, Mojave River at Victorville Narrows.

² Includes 14,000 acre-feet of Mojave River surface flow across the Waterman Fault estimated from reported flows at USGS gaging station, Mojave River at Barstow and 300 acre-feet of local surface inflow from Kane Wash.

³ Represents the sum of Este (1,700 af), Oeste (1,500 af), Alto (3,000 af) and Baja (300 af from Kane Wash).

⁴ Inter subarea subsurface flows do not accrue to the total basin water supply.

⁵ Estimated from reported flows at USGS gaging station, Mojave River at Barstow.

⁶ Estimated by Bookman-Edmonston.

⁷ For purposes of this Table, the current year is 1990.

TABLE 5-1

**SUBAREA HYDROLOGICAL INVENTORY BASED ON
LONG TERM AVERAGE NATURAL WATER SUPPLY AND OUTFLOW
AND 2017-18 IMPORTS AND CONSUMPTIVE USE**

(ALL AMOUNTS IN ACRE-FEET)

WATER SUPPLY	<u>Este</u>	<u>Oeste</u>	<u>Alto</u>	<u>Centro</u>	<u>Baja</u>	<u>Basin Totals</u>
Surface Water Inflow	1,700	1,500	68,500 ¹	33,600 ²	17,358 ³	72,652 ⁴
Subsurface Inflow	0	0	1,000	2,000	1,581 ⁵	0 ⁶
Deep Percolation of Precipitation	0	0	3,500	0	100	3,600
Imports ⁷	2,000	0	2,234	2,262	0	6,496
TOTAL	3,700	1,500	75,234	37,862	19,039	82,748
CONSUMPTIVE USE AND OUTFLOW						
Surface Water Outflow	0	0	33,600 ²	16,406 ⁸	5,372 ⁹	5,372
Subsurface Outflow	200	800	2,000	1,581 ⁵	0	0
Consumptive use						
Agriculture ¹⁰	2,327	1,208	1,311	8,895	17,664	31,405
Urban ^{10,11}	1,500	1,724	40,603	7,557	6,338	57,722
Phreatophytes	0	0	11,000	3,000	2,000	16,000 ¹²
TOTAL	4,027	3,732	88,514	37,439	31,374	110,499
Surplus / (Deficit)	(327)	(2,232)	(13,280)	423	(12,335)	(27,751)
Total Estimated Production ¹³	5,055	3,944	77,686	20,665	24,524	131,874
PRODUCTION SAFE YIELD ¹⁴	4,728	1,712	64,406	21,088	12,189	104,123

¹ Average discharge of Mojave River at The Forks, 1931-1990 (The Forks is the addition of reported values from USGS stations at West Fork Mojave River Near Hesperia, CA (10261000) and Deep Creek Near Hesperia, CA (10260500). Includes 3,000 af of ungaged inflow (Judgment, 1996).

² Estimated based on reported flows at USGS gaging station, Mojave River at Victorville Narrows and 1991-2018 Transition Zone water balance (Watermaster Engineer, 2019).

³ Estimated from reported flows at USGS gaging station, Mojave River at Barstow. Includes 16,406 af of Mojave River surface flow across the Waterman Fault estimated by "Evaluations of Potential Mojave River Recharge Losses between Barstow and Waterman Fault", Wagner & Bonsignore, 2012 (see Appendix A, Table 6), and 747 af of local surface inflow from Kane Wash and Boom Creek, and 205 af from washes (Wagner, 2011).

⁴ Represents the sum of Este (1,700 af), Oeste (1,500 af), Alto (68,500 af) and Baja (747 af from Kane Wash and Boom Creek, 205 af from washes).

⁵ Stamos, 2001 (USGS).

⁶ Inter subarea subsurface flows do not accrue to the total basin water supply.

⁷ Imports for Este are from the Big Bear Area Regional Wastewater Authority; Alto are from Lake Arrowhead Community Services District and pre-purchased groundwater storage for HDPP; Centro are the average make-up water purchases, 1995-2018.

⁸ Estimated from reported flows at USGS gaging station, Mojave River at Barstow (see note #2 above).

⁹ Based on USGS station Mojave River at Afton, CA (10263000) reported discharge for 1931, 1953-2018. Water Years 1979 and 1980 estimated by Mojave Basin Area Watermaster.

¹⁰ 2018 Consumptive Use Analysis by Watermaster.

¹¹ Includes consumptive use of "Minimals Pool" (estimated Minimal's production is 7,077 af).

¹² From USGS Water-Resources Investigation Report 96-4241 "Riparian Vegetation and Its Water Use During 1995 Along the Mojave River, Southern California" 1996.

¹³ Water production for 2017-18. Included in the production values are the estimated minimal producer's water use by Subarea.

¹⁴ Imported State Water Project water purchased by MWA is not reflected in the above table.

CHAPTER 6

FINANCIAL REPORT PROPOSED BUDGET AND ASSESSMENT RATES

Statements of Revenues, Expenses and Changes in Net Position

	<u>2018</u>	<u>2019</u>
Operating Revenue	\$ 628,328.00	\$ 1,392,018.00
Operating Expenses	497,210.00	1,466,170.00
Non-operating Revenue (Expense)	(35,418.00)	(256,258.00)
Change in Net Position	95,700.00	(330,410.00)
Net Position, beginning of year	1,277,859.00	1,373,559.00
Net Position, end of year	\$ 1,373,559.00	\$ 1,043,149.00

The Auditor's Report for Fiscal Year 2018-19 ending June 30, 2019 is presented in Appendix G and includes a summary of the significant categories of receivables and other current assets.

Biological Resources Trust Fund Summary

The Biological Resources Trust Fund balance as of June 30, 2019 was \$679,930.00.

Administrative Budget for 2020-21

The Administrative Budget for 2020-21 is \$568,658 and is shown on Table 6-1.

Summary of Makeup Water Purchases

The Watermaster purchased 15 acre-feet of Makeup water during the 2018-19 Water Year for the Centro Subarea.

Summary of Replacement Water Purchases

Replacement water purchases by Watermaster during 2018-19 are as follows:

Alto ¹	2,986	acre-feet
Baja	4	acre-feet
Centro	0	acre-feet
Este	0	acre-feet
Oeste	0	acre-feet
Total	2,990	acre-feet

¹ 7 acre-feet of Alto Replacement water was pre-purchased under the MWA Claim Program.
1,497 acre-feet was pre-stored under a storage agreement.

Administrative and Biological Assessment Rates for 2020-21

The Administrative and Biological Assessment Rates for 2020-21 adopted by the Watermaster on March 25, 2020 are as follows:

Administrative	\$ 3.55 per acre-foot of Production
Biological Resources	\$ 0.96 per acre-foot of Production

Projected Replacement and Makeup Water Assessment Rates for 2019-20 and 2020-21

The Replacement and Makeup Water Assessment Rates projected by the Watermaster on March 25, 2020 are as follows:

Replacement and Makeup Water Rate

2019-20	<i>Not to Exceed</i> \$652.00 per acre-foot ¹ (Invoice Date 6-1-2021)
2020-21	\$666.00 per acre-foot (projected) ² (Invoice Date 6-1-2022)

¹ This rate is for obligations incurred in the 2019-20 Water Year which will be billed in June 2021. The fixed rate that will be used for invoicing will be determined by the Mojave Water Agency in February 2021.

² This is a projected rate for obligations incurred in the 2020-21 Water Year which will be billed in June 2022. The fixed rate that will be used for invoicing will be determined by the Mojave Water Agency in February 2022.

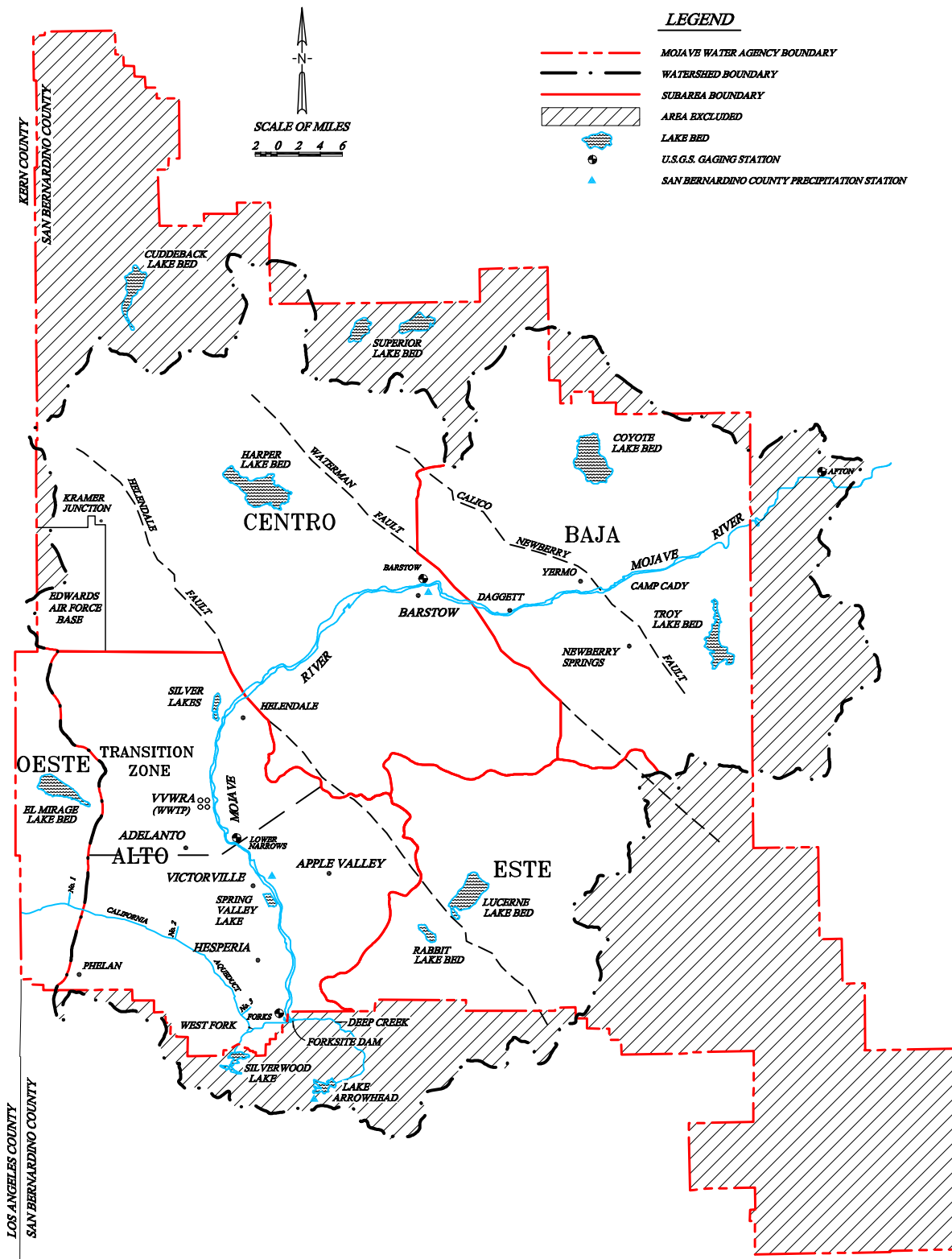
TABLE 6-1

**MOJAVE BASIN AREA WATERMASTER
ADMINISTRATIVE BUDGET
FOR WATER YEAR 2020-21**

1.	Administrative Services	\$ 386,358.00
2.	Engineering Services	\$ 118,500.00
3.	Legal Services	\$ 60,000.00
4.	Audit Services	\$ 3,800.00
Total Estimated Budget		<u>\$ 568,658.00</u>

APPENDIX A

MAP OF THE MOJAVE BASIN AREA



MOJAVE BASIN AREA

APPENDIX B

PRODUCER REPLACEMENT WATER AND MAKEUP WATER OBLIGATIONS

AND ASSESSMENTS DUE FOR 2018-19

APPENDIX B

MARCH 25, 2020

PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS DUE FOR 2018-19
(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)

ESTE SUBAREA

PRODUCER	2018-19 FREE PRODUCTION ALLOWANCE						PRODUCTION						ASSESSMENTS DUE BY JULY 1, 2020 (AMOUNTS IN DOLLARS)		
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2018-19 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT WATER \$591.00/AF	MAKEUP WATER N/A	TOTAL	
				2017-18 CARRYOVER ³	2018-19 FPA ⁴										
ABDUL, HARRY AND ANITA	194	156	156	0	0	312	87	156	0	87	0.00	0.00	0.00	0.00	
ABSHIRE, DAVID V.	24	20	20	0	0	40	38	2	0	38	0.00	0.00	0.00	0.00	
AHN REVOCABLE LIVING TRUST	0	0	0	0	0	0	63	0	63	0	0.00	37,233.00	0.00	37,233.00	
AHN REVOCABLE TRUST	28	23	23	0	0	46	20	23	0	20	0.00	0.00	0.00	0.00	
AHN, CHUN SOO AND DAVID	400	320	320	(115)	0	525	0	320	0	0	0.00	0.00	0.00	0.00	
ANDERSON, ROSS C. AND BETTY J.	34	28	28	0	0	56	0	28	0	0	0.00	0.00	0.00	0.00	
AVILA, ANGEL AND EVALIA	573	459	459	(11)	0	907	286	459	0	286	0.00	0.00	0.00	0.00	
BAR H MUTUAL WATER COMPANY	53	43	43	0	0	86	25	43	0	25	0.00	0.00	0.00	0.00	
BELL, CHARLES H. TRUST DATED MARCH 7, 2014	494	396	396	0	0	792	243	396	0	243	0.00	0.00	0.00	0.00	
BRACHT, WILLIAM F. AND ALEXANDER, ALICIA M.	50	40	21	0	0	61	48	13	0	48	0.00	0.00	0.00	0.00	
CASA COLINA FOUNDATION	90	72	72	0	0	144	47	72	0	47	0.00	0.00	0.00	0.00	
CENTER WATER COMPANY	40	32	32	0	0	64	19	32	0	19	0.00	0.00	0.00	0.00	
CHUNG, ET AL.	0	0	0	0	0	0	34	0	34	0	0.00	20,094.00	0.00	20,094.00	
CLUB VIEW PARTNERS	1,276	1,021	1,021	(21)	0	2,021	0	1,021	0	0	0.00	0.00	0.00	0.00	
CROSS, SHARON I.	23	19	19	0	0	38	1	19	0	1	0.00	0.00	0.00	0.00	
DACOSTA, DEAN EDWARD	56	45	45	0	0	90	1	45	0	1	0.00	0.00	0.00	0.00	
DAHLQUIST, GEORGE R.	524	420	476	0	0	896	0	420	0	0	0.00	0.00	0.00	0.00	
DESERT DAWN MUTUAL WATER COMPANY	15	12	0	0	0	12	20	0	8	12	0.00	4,728.00	0.00	4,728.00	
DESERT SPRINGS MUTUAL WATER COMPANY	78	63	63	0	0	126	40	63	0	40	0.00	0.00	0.00	0.00	
DJC CORPORATION	0	0	53	(53)	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
GABRYCH, EUGENE	2,201	1,761	1,761	(91)	0	3,431	0	1,761	0	0	0.00	0.00	0.00	0.00	
GAETA, MIGUEL AND MARIA	1,500	1,200	1,200	0	0	2,400	97	1,200	0	97	0.00	0.00	0.00	0.00	
GAETA, TRINIDAD	512	410	410	0	0	820	144	410	0	144	0.00	0.00	0.00	0.00	
GARDENA MISSION CHURCH, INC.	0	0	0	0	0	0	9	0	9	0	0.00	5,319.00	0.00	5,319.00	
GAYJIKIAN, SAMUEL AND HAZEL	102	82	82	0	0	164	1	82	0	1	0.00	0.00	0.00	0.00	
GOLDEN STATE WATER COMPANY	178	143	143	0	0	286	112	143	0	112	0.00	0.00	0.00	0.00	
GORDON ACRES WATER COMPANY	54	44	44	0	0	88	20	44	0	20	0.00	0.00	0.00	0.00	
GUBLER, HANS	30	24	24	0	0	48	9	24	0	9	0.00	0.00	0.00	0.00	
HAL-DOR LTD.	0	0	19	(19)	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
HARVEY, LISA M.	300	240	240	0	0	480	4	240	0	4	0.00	0.00	0.00	0.00	
HERT, SCOTT	276	221	221	0	0	442	224	218	0	224	0.00	0.00	0.00	0.00	
HI-GRADE MATERIALS COMPANY	442	354	354	0	0	708	165	354	0	165	0.00	0.00	0.00	0.00	
HITCHIN LUCERNE, INC.	16	13	13	0	0	26	10	13	0	10	0.00	0.00	0.00	0.00	
JONES TRUST DATED MARCH 16, 2002 (FORMERLY: DJC CORPORATION)	89	72	0	72	0	144	17	72	0	17	0.00	0.00	0.00	0.00	
JUBILEE MUTUAL WATER COMPANY	142	114	45	0	0	159	109	50	0	109	0.00	0.00	0.00	0.00	
JUNIPER RIVIERA COUNTY WATER DISTRICT	37	30	6	0	0	36	70	0	34	36	0.00	20,094.00	0.00	20,094.00	

APPENDIX B

MARCH 25, 2020

**PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS DUE FOR 2018-19
(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)**

ESTE SUBAREA

PRODUCER	2018-19 FREE PRODUCTION ALLOWANCE						ASSESSMENTS DUE BY JULY 1, 2020 (AMOUNTS IN DOLLARS)								
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2018-19 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	PRODUCTION SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT WATER \$591.00/AF	MAKEUP WATER N/A	TOTAL	
				2017-18 CARRYOVER ³	2018-19 FPA ⁴										
KIM, JU SANG	30	24	24	0	0	48	1	24	0	1	0.00	0.00	0.00	0.00	
LEE, ANNA K. AND ESHBAN K.	33	27	27	0	0	54	0	27	0	0	0.00	0.00	0.00	0.00	
LEE, DOO HWAN	78	63	63	0	0	126	0	63	0	0	0.00	0.00	0.00	0.00	
LOPEZ, BALTAZAR	385	308	308	0	0	616	0	308	0	0	0.00	0.00	0.00	0.00	
LUA, MICHAEL T. AND DONNA S.	348	279	279	0	0	558	0	279	0	0	0.00	0.00	0.00	0.00	
LUCERNE VALLEY MUTUAL WATER COMPANY	54	44	44	0	0	88	35	44	0	35	0.00	0.00	0.00	0.00	
LUCERNE VALLEY PARTNERS	1,213	971	971	0	0	1,942	0	971	0	0	0.00	0.00	0.00	0.00	
LUCERNE VISTA MUTUAL WATER COMPANY	21	17	15	0	0	32	16	16	0	16	0.00	0.00	0.00	0.00	
M.B. LANDSCAPING AND NURSERY, INC.	1,773	1,419	1,419	0	0	2,838	1,047	1,419	0	1,047	0.00	0.00	0.00	0.00	
MITSUBISHI CEMENT CORPORATION	1,395	1,116	1,116	(121)	0	2,111	322	1,116	0	322	0.00	0.00	0.00	0.00	
MONACO INVESTMENT COMPANY	70	56	56	0	0	112	0	56	0	0	0.00	0.00	0.00	0.00	
MOSS, LAWRENCE W. AND HELEN J.	43	35	35	0	0	70	36	34	0	36	0.00	0.00	0.00	0.00	
NORRIS TRUST, MARY ANN	73	59	59	0	0	118	1	59	0	1	0.00	0.00	0.00	0.00	
OASIS WORLD MISSION	0	0	0	0	0	0	66	0	66	0	0.00	39,006.00	0.00	39,006.00	
OMYA CALIFORNIA, INC.	23	19	0	0	0	19	24	0	5	19	0.00	2,955.00	0.00	2,955.00	
PAK, KAE SOO AND MYONG HUI KANG	247	198	198	(27)	0	369	67	198	0	67	0.00	0.00	0.00	0.00	
PETTIGREW, DAN	22	18	18	0	0	36	0	18	0	0	0.00	0.00	0.00	0.00	
PETTIGREW, JAMES AND CHERLYN	500	400	400	0	0	800	5	400	0	5	0.00	0.00	0.00	0.00	
REED, MIKE	58	47	47	0	0	94	1	47	0	1	0.00	0.00	0.00	0.00	
RHEE, ANDREW N. (FORMERLY: DAHLQUIST, GEORGE R.)	70	56	0	0	0	56	23	33	0	23	0.00	0.00	0.00	0.00	
ROBERTSON'S READY MIX	0	0	0	0	0	0	124	0	124	0	0.00	73,284.00	0.00	73,284.00	
ROYAL WAY	200	160	160	0	0	320	53	160	0	53	0.00	0.00	0.00	0.00	
S AND E 786 ENTERPRISES, LLC	597	478	478	0	0	956	0	478	0	0	0.00	0.00	0.00	0.00	
SABA, SABA A. AND SHIRLEY L.	1,120	896	896	0	0	1,792	0	896	0	0	0.00	0.00	0.00	0.00	
SAN BERNARDINO COUNTY SERVICE AREA 29	40	32	0	0	0	32	41	0	9	32	0.00	5,319.00	0.00	5,319.00	
SON'S RANCH	140	112	112	0	0	224	56	112	0	56	0.00	0.00	0.00	0.00	
SPECIALTY MINERALS, INC.	42	34	0	0	0	34	43	0	9	34	0.00	5,319.00	0.00	5,319.00	
SPILLMAN, JAMES R. AND NANCY J.	23	19	19	0	0	38	5	19	0	5	0.00	0.00	0.00	0.00	
THE CUSHENBURY TRUST, C/O SPECIALTY MINERALS, INC.	10	8	8	0	0	16	0	8	0	0	0.00	0.00	0.00	0.00	
WEISER, ET AL.	90	72	0	0	0	72	87	0	15	72	0.00	8,865.00	0.00	8,865.00	
WEST END MUTUAL WATER COMPANY	30	24	23	(12)	0	35	13	22	0	13	0.00	0.00	0.00	0.00	
WILSHIRE ROAD PARTNERS	692	554	554	0	0	1,108	0	554	0	0	0.00	0.00	0.00	0.00	
TOTAL	19,251	15,422	15,138	(398)	0	30,162	4,029	15,084	376	3,653	0.00	222,216.00	0.00	222,216.00	

APPENDIX B

MARCH 25, 2020

PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS DUE FOR 2018-19
(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)

OESTE SUBAREA

PRODUCER	2018-19 FREE PRODUCTION ALLOWANCE						PRODUCTION					ASSESSMENTS DUE BY JULY 1, 2020 (AMOUNTS IN DOLLARS)		
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2018-19 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT WATER \$591.00/AF	MAKEUP WATER N/A	TOTAL
				2017-18 CARRYOVER ³	2018-19 FPA ⁴									
AEROCHEM, INC.	660	528	328	0	0	856	7	528	0	7	0.00	0.00	0.00	0.00
BROWN, SUE	46	37	37	0	0	74	0	37	0	0	0.00	0.00	0.00	0.00
CHAMISAL MUTUAL WATER COMPANY	96	77	5	0	0	82	30	52	0	30	0.00	0.00	0.00	0.00
HANDRINOS, NICOLE A.	7	6	6	0	0	12	1	6	0	1	0.00	0.00	0.00	0.00
HETTINGA REVOCABLE TRUST	1,256	1,005	301	0	0	1,306	866	440	0	866	0.00	0.00	0.00	0.00
PHELAN PIÑON HILLS COMMUNITY SERVICES DISTRICT (SEE NOTE 10)	4,680	3,744	3,744	0	0	7,488	2,472	3,744	0	2,472	0.00	0.00	0.00	0.00
TROEGER FAMILY TRUST, RICHARD H.	112	90	90	0	0	180	4	90	0	4	0.00	0.00	0.00	0.00
TOTAL	6,857	5,487	4,511	0	0	9,998	3,380	4,897	0	3,380	0.00	0.00	0.00	0.00

APPENDIX B

MARCH 25, 2020

PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS DUE FOR 2018-19
(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)

ALTO SUBAREA

PRODUCER	2018-19 FREE PRODUCTION ALLOWANCE						ASSESSMENTS DUE BY JULY 1, 2020 (AMOUNTS IN DOLLARS)								
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2018-19 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT WATER \$591.00/AF	MAKEUP WATER \$591.00/AF	TOTAL	
				2017-18	2018-19										
				CARRYOVER ³	FPA ⁴										
ADELANTO, CITY OF	5,182	3,110	0	94	0	3,204	3,864	0	660	3,204	121.93	390,060.00	72,060.63	462,120.63	
ADES, JOHN AND DEVON	37	30	24	(24)	0	30	5	25	0	5	0.19	0.00	112.29	112.29	
AGCON, INC.	384	231	0	0	0	231	314	0	83	231	8.79	49,053.00	5,194.89	54,247.89	
AMERICAN STATES WATER COMPANY	1,000	600	600	(600)	0	600	0	600	0	0	0.00	0.00	0.00	0.00	
APPLE VALLEY FOOTHILL COUNTY WATER DISTRICT	167	101	11	0	0	112	82	30	0	82	3.12	0.00	1,843.92	1,843.92	
APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT	125	75	0	29	0	104	101	3	0	101	3.84	0.00	2,269.44	2,269.44	
APPLE VALLEY UNIFIED SCHOOL DISTRICT	0	0	0	0	0	0	27	0	27	0	0.00	15,957.00	0.00	15,957.00	
APPLE VALLEY VIEW MUTUAL WATER COMPANY	36	22	0	0	0	22	22	0	0	22	0.84	0.00	496.44	496.44	
APPLE VALLEY, TOWN OF	1,082	650	563	0	0	1,213	468	650	0	468	17.81	0.00	10,525.71	10,525.71	
BASS TRUST, NEWTON T.	514	412	410	(410)	0	412	3	409	0	3	0.11	0.00	65.01	65.01	
BASTIANON REVOCABLE TRUST	77	62	61	(61)	0	62	1	61	0	1	0.04	0.00	23.64	23.64	
BEEBE, ROBERT W. AND DOROTHY K.	6	5	5	(5)	0	5	0	5	0	0	0.00	0.00	0.00	0.00	
BEINSCHROTH FAMILY TRUST	670	536	593	(593)	0	536	8	528	0	8	0.30	0.00	177.30	177.30	
BEINSCHROTH FAMILY TRUST	25	20	0	0	0	20	0	20	0	0	0.00	0.00	0.00	0.00	
BOX, GEARY S. AND LAURA	22	18	18	(18)	0	18	5	13	0	5	0.19	0.00	112.29	112.29	
BROWN, BOBBY G. AND VALERIA R.	42	34	33	(33)	0	34	1	33	0	1	0.04	0.00	23.64	23.64	
BROWN, JENNIFER	41	33	29	(29)	0	33	6	27	0	6	0.23	0.00	135.93	135.93	
BRUNEAU, KAREN	10	8	8	0	0	16	1	8	0	1	0.04	0.00	23.64	23.64	
BRYANT, IAN	29	24	24	(24)	0	24	0	24	0	0	0.00	0.00	0.00	0.00	
BUNNELL, DICK	24	20	18	(18)	0	20	2	18	0	2	0.08	0.00	47.28	47.28	
CALMAT COMPANY	25	15	11	(11)	0	15	4	11	0	4	0.15	0.00	88.65	88.65	
CALPORTLAND COMPANY - AGRICULTURE	643	515	515	(515)	0	515	0	515	0	0	0.00	0.00	0.00	0.00	
CALPORTLAND COMPANY - ORO GRANDE PLANT	2,809	1,686	1,127	(1,127)	0	1,686	598	1,088	0	598	22.76	0.00	13,451.16	13,451.16	
CDFW - MOJAVE NARROWS REGIONAL PARK	2,107	1,265	0	0	0	1,265	1,590	0	325	1,265	48.14	192,075.00	28,450.74	220,525.74	
CDFW - MOJAVE RIVER FISH HATCHERY (SEE NOTE 11)	20	16	0	0	0	16	21	0	0	0	0.00	0.00	0.00	0.00	
CEMEX, INC.	1,499	900	0	0	0	900	1,120	0	220	900	34.25	130,020.00	20,241.75	150,261.75	
CUNNINGHAM, JERRY	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
DLW REVOCABLE TRUST	70	56	56	(56)	0	56	0	56	0	0	0.00	0.00	0.00	0.00	
DOLCH, ROBERT AND JUDY	100	80	76	(76)	0	80	4	76	0	4	0.15	0.00	88.65	88.65	
DORA LAND, INC.	15	12	12	(12)	0	12	0	12	0	0	0.00	0.00	0.00	0.00	
EAST DESERT LAND COMPANY, LLC	0						1,144								
EVENSON, EDWIN H. AND JOYCELAINE C.	70	56	56	0	0	112	1	56	0	1	0.04	0.00	23.64	23.64	
FEDERAL BUREAU OF PRISONS, VICTORVILLE	686	412	0	0	(412)	0	0	0	0	0	0.00	0.00	0.00	0.00	
FINCH, JENIFER (FORMERLY: MCINNIS, WILLIAM S.)	30	24	0	0	0	24	0	24	0	0	0.00	0.00	0.00	0.00	
FISCHER REVOCABLE LIVING TRUST	36	29	28	(28)	0	29	1	28	0	1	0.04	0.00	23.64	23.64	

APPENDIX B
PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS DUE FOR 2018-19

(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)

ALTO SUBAREA

PRODUCER	2018-19 FREE PRODUCTION ALLOWANCE						PRODUCTION					ASSESSMENTS DUE BY JULY 1, 2020 (AMOUNTS IN DOLLARS)			
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2018-19 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT	MAKEUP	TOTAL	
				2017-18 CARRYOVER ³	2018-19 FPA ⁴							WATER	WATER		
												\$591.00/AF	\$591.00/AF		
FISHER TRUST, JEROME R.	633	507	507	(507)	0	507	0	507	0	0	0.00	0.00	0.00	0.00	
FITZWATER, R. E. (SEE NOTE 12)	291						1								
FRAZIER, ET AL.	50	40	40	(40)	0	40	0	40	0	0	0.00	0.00	0.00	0.00	
GOLDEN STATE WATER COMPANY	940	564	0	0	0	564	839	0	275	564	21.46	162,525.00	12,682.86	175,207.86	
GREEN ACRES ESTATES	25	15	15	0	0	30	6	15	0	6	0.23	0.00	135.93	135.93	
GULBRANSON, MERLIN	5	4	4	0	0	8	0	4	0	0	0.00	0.00	0.00	0.00	
HAAS, BRYAN C. AND HINKLE, MARY H.	9	8	8	(8)	0	8	0	8	0	0	0.00	0.00	0.00	0.00	
HALANNA EQUITIES III	19	16	10	(10)	0	16	4	12	0	4	0.15	0.00	88.65	88.65	
HAMILTON FAMILY TRUST	108	87	72	(72)	0	87	15	72	0	15	0.57	0.00	336.87	336.87	
HELENDALE COMMUNITY SERVICES DISTRICT	3,999	2,240	686	(686)	120	2,360	1,479	1,041	0	1,479	56.28	0.00	33,261.48	33,261.48	
HELENDALE SCHOOL DISTRICT	18	11	11	0	0	22	7	11	0	7	0.27	0.00	159.57	159.57	
HESPERIA - GOLF COURSE, CITY OF	678	407	0	0	0	407	547	0	140	407	15.49	82,740.00	9,154.59	91,894.59	
HESPERIA VENTURE I, LLC	0	0	0	0	0	0	1	0	1	0	0.00	591.00	0.00	591.00	
HESPERIA WATER DISTRICT	14,171	8,503	0	130	299	8,932	13,245	0	4,313	8,932	339.91	2,548,983.00	200,886.81	2,749,869.81	
HESPERIA, CITY OF	6,736	4,042	4,042	(4,042)	0	4,042	0	4,042	0	0	0.00	0.00	0.00	0.00	
HI-GRADE MATERIALS COMPANY	149	90	72	(72)	0	90	18	72	0	18	0.68	0.00	401.88	401.88	
HOLWAY JEFFREY R AND PATRICIA GAGE	8	7	7	(7)	0	7	0	7	0	0	0.00	0.00	0.00	0.00	
HOLWAY, JEFFREY R	11	9	9	(9)	0	9	0	9	0	0	0.00	0.00	0.00	0.00	
HUNT, CONNIE	66	53	53	(53)	0	53	0	53	0	0	0.00	0.00	0.00	0.00	
JAMBOREE HOUSING CORPORATION	0	0	0	54	0	54	45	0	0	45	1.71	0.00	1,010.61	1,010.61	
JESS RANCH WATER COMPANY	7,230	4,338	3,679	(3,171)	0	4,846	1,492	3,354	0	1,492	56.78	0.00	33,556.98	33,556.98	
JOHNSON, CARLEAN	23	19	3	0	0	22	25	0	3	22	0.84	1,773.00	496.44	2,269.44	
JOHNSON, RONALD	31	25	25	(25)	0	25	0	25	0	0	0.00	0.00	0.00	0.00	
JOHNSTON, HARRIET AND JOHNSTON, LAWRENCE W.	127	102	98	(98)	0	102	3	99	0	3	0.11	0.00	65.01	65.01	
KANESAKA, KENJI AND YUKARI	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
KEMPER CAMPBELL RANCH	473	379	236	(236)	0	379	65	314	0	65	2.47	0.00	1,459.77	1,459.77	
LAGUNA WATER II, LTD.	0	160	0	0	(160)	0	0	0	0	0	0.00	0.00	0.00	0.00	
LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT	658	527	527	(527)	0	527	0	527	0	0	0.00	0.00	0.00	0.00	
LANGLEY, JAMES	5	4	4	(4)	0	4	0	4	0	0	0.00	0.00	0.00	0.00	
LANGLEY, JAMES - INDUSTRIAL	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
LAWSON, ERNEST AND BARBARA	15	12	11	(11)	0	12	1	11	0	1	0.04	0.00	23.64	23.64	
LENHERT, RONALD AND TONI	37	30	30	0	0	60	8	30	0	8	0.30	0.00	177.30	177.30	
LHC ALLIGATOR, LLC	498	399	399	(399)	(399)	0	0	0	0	0	0.00	0.00	0.00	0.00	
LIBERTY UTILITIES (APPLE VALLEY RANCHOS WATER) CORP. (SEE NOTE 13)	13,610	8,166	2,549	0	0	10,715	7,907	2,808	0	7,907	300.90	0.00	177,831.90	177,831.90	
LOW, DEAN	199	160	160	(160)	0	160	0	160	0	0	0.00	0.00	0.00	0.00	

APPENDIX B

MARCH 25, 2020

PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS DUE FOR 2018-19
(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)

ALTO SUBAREA

PRODUCER	2018-19 FREE PRODUCTION ALLOWANCE						ASSESSMENTS DUE BY JULY 1, 2020 (AMOUNTS IN DOLLARS)								
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2018-19 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	PRODUCTION SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT WATER \$591.00/AF	MAKEUP WATER \$591.00/AF	TOTAL	
				2017-18 CARRYOVER ³	2018-19 FPA ⁴										
LUCKEY 2010 REVOCABLE TRUST	300	240	239	(239)	0	240	1	239	0	1	0.04	0.00	23.64	23.64	
MARIANA RANCHOS COUNTY WATER DISTRICT	270	162	0	0	0	162	207	0	45	162	6.16	26,595.00	3,640.56	30,235.56	
MCINNIS, WILLIAM S.	0	0	17	(17)	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
MCKINNEY, PAULA	33	27	27	(27)	0	27	0	27	0	0	0.00	0.00	0.00	0.00	
MLH, LLC	13	11	6	(6)	0	11	7	4	0	7	0.27	0.00	159.57	159.57	
MOJAVE DESERT LAND TRUST (FORMERLY: WESTERN RIVERS CONSERVENCY)	40	32	0	0	0	32	1	31	0	1	0.04	0.00	23.64	23.64	
MOJAVE WATER AGENCY (SEE NOTE 14)	0	0	0	0	0	0	22	0	22	0	0.00	13,002.00	0.00	13,002.00	
NAVAJO MUTUAL WATER COMPANY	88	53	53	0	0	106	25	53	0	25	0.95	0.00	561.45	561.45	
NUÑEZ, LUIS SEGUNDO	0	0	0	0	0	0	1	0	1	0	0.00	591.00	0.00	591.00	
NUNN FAMILY TRUST	36	29	28	(28)	0	29	1	28	0	1	0.04	0.00	23.64	23.64	
ORO GRANDE SCHOOL DISTRICT	107	65	65	0	0	130	75	55	0	75	2.85	0.00	1,684.35	1,684.35	
PERRY REVOCABLE LIVING TRUST, THOMAS AND PATRICIA	0	0	0	0	0	0	1	0	1	0	0.00	591.00	0.00	591.00	
PHELAN PIÑON HILLS COMMUNITY SERVICES DISTRICT	355	213	123	0	0	336	129	207	0	129	4.91	0.00	2,901.81	2,901.81	
PITTMAN, LEROY W.	148	119	119	0	0	238	1	119	0	1	0.04	0.00	23.64	23.64	
POLICH, DONNA	65	52	52	(52)	0	52	0	52	0	0	0.00	0.00	0.00	0.00	
RANCHERITOS MUTUAL WATER COMPANY	169	102	0	0	0	102	105	0	3	102	3.88	1,773.00	2,293.08	4,066.08	
RIM PROPERTIES, A GENERAL PARTNERSHIP	9	8	8	(8)	0	8	0	8	0	0	0.00	0.00	0.00	0.00	
RUE RANCH, INC.	30	24	24	(24)	0	24	9	15	0	9	0.34	0.00	200.94	200.94	
SAN BERNARDINO COUNTY - HIGH DESERT DETENTION CENT	0	0	0	0	0	0	188	0	188	0	0.00	111,108.00	0.00	111,108.00	
SAN BERNARDINO COUNTY SERVICE AREA 42	465	279	213	(213)	0	279	54	225	0	54	2.05	0.00	1,211.55	1,211.55	
SAN BERNARDINO COUNTY SERVICE AREA 64	3,822	2,294	0	462	0	2,756	2,617	139	0	2,617	99.59	0.00	58,857.69	58,857.69	
SAN BERNARDINO COUNTY SERVICE AREA 70J	1,015	609	0	213	0	822	1,524	0	702	822	31.28	414,882.00	18,486.48	433,368.48	
SAPP, ROBERT D. AND LEE, TERESA J.	0	0	27	(27)	0	0	8	0	8	0	0.00	4,728.00	0.00	4,728.00	
SCRAY, MICHELLE A. TRUST	15	12	11	(11)	0	12	1	11	0	1	0.04	0.00	23.64	23.64	
SERVICE ROCK PRODUCTS CORPORATION	20	12	7	0	0	19	5	12	0	5	0.19	0.00	112.29	112.29	
SHEEP CREEK WATER COMPANY	0	0	0	0	0	0	38	0	38	0	0.00	22,458.00	0.00	22,458.00	
SILVER LAKES ASSOCIATION	4,987	2,993	0	0	0	2,993	3,234	0	241	2,993	113.90	142,431.00	67,314.90	209,745.90	
SNOWBALL DEVELOPMENT, INC.	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
SPRING VALLEY LAKE ASSOCIATION	3,768	2,261	0	0	0	2,261	2,140	121	0	2,140	81.44	0.00	48,131.04	48,131.04	
SPRING VALLEY LAKE COUNTRY CLUB	977	587	35	188	0	810	560	250	0	560	21.31	0.00	12,594.21	12,594.21	
STORM, RANDALL	62	50	50	(50)	0	50	0	50	0	0	0.00	0.00	0.00	0.00	
SUDMEIER, GLENN W.	20	16	15	(15)	0	16	1	15	0	1	0.04	0.00	23.64	23.64	
SUMMIT VALLEY RANCH, LLC	57	46	27	(27)	0	46	3	43	0	3	0.11	0.00	65.01	65.01	
THOMPSON LIVING TRUST, JAMES A. AND SULA B.	418	335	334	(334)	0	335	4	331	0	4	0.15	0.00	88.65	88.65	
THOMPSON LIVING TRUST, R.L. AND R.A.	2	2	0	0	0	2	1	1	0	1	0.04	0.00	23.64	23.64	

APPENDIX B

MARCH 25, 2020

PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS DUE FOR 2018-19
(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)

ALTO SUBAREA

PRODUCER	2018-19 FREE PRODUCTION ALLOWANCE						ASSESSMENTS DUE BY JULY 1, 2020 (AMOUNTS IN DOLLARS)								
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2018-19 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT WATER \$591.00/AF	MAKEUP WATER \$591.00/AF	TOTAL	
				2017-18 CARRYOVER ³	2018-19 FPA ⁴										
THRASHER, GARY	373	299	284	(284)	0	299	8	291	0	8	0.30	0.00	177.30	177.30	
THUNDERBIRD COUNTY WATER DISTRICT	118	71	0	0	0	71	109	0	38	71	2.70	22,458.00	1,595.70	24,053.70	
TRANSAMERICA FIN'L SVC - SPEARS, LARRY B. AND ERLINDA	26	21	21	0	0	42	0	21	0	0	0.00	0.00	0.00	0.00	
VANHOOPS HOLDINGS, LP	360	288	288	(288)	0	288	0	288	0	0	0.00	0.00	0.00	0.00	
VICTOR VALLEY COMMUNITY COLLEGE DISTRICT	240	144	0	0	0	144	336	0	192	144	5.48	113,472.00	3,238.68	116,710.68	
VICTOR VALLEY MEMORIAL PARK	0	0	0	0	0	0	41	0	41	0	0.00	24,231.00	0.00	24,231.00	
VICTORVILLE WATER DISTRICT, ID#1 (SEE NOTE 13)	23,020	13,812	0	42	412	14,266	18,368	0	4,102	14,266	542.90	2,424,282.00	320,853.91	2,745,135.91	
VICTORVILLE WATER DISTRICT, ID#2 (SEE NOTE 13)	2,932	1,760	0	0	0	1,760	4,800	0	3,040	1,760	66.98	1,796,640.00	39,585.18	1,836,225.18	
VOGLER, ALBERT H.	62	50	49	(49)	0	50	1	49	0	1	0.04	0.00	23.64	23.64	
WAGNER LIVING TRUST	1,224	980	980	(980)	0	980	0	980	0	0	0.00	0.00	0.00	0.00	
WAKULA FAMILY TRUST	11	9	9	(9)	0	9	1	8	0	1	0.04	0.00	23.64	23.64	
WARD, KEN AND BARBARA	65	52	36	(36)	0	52	16	36	0	16	0.61	0.00	360.51	360.51	
WEST, HOWARD AND SUZY	72	58	58	(58)	0	58	0	58	0	0	0.00	0.00	0.00	0.00	
WEST, JIMMIE E.	10	8	7	(7)	0	8	1	7	0	1	0.04	0.00	23.64	23.64	
WESTERN RIVERS CONSERVANCY	0	0	7	(7)	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
WESTERN WATER COMPANY	15	12	12	0	0	24	0	12	0	0	0.00	0.00	0.00	0.00	
WESTLAND INDUSTRIES, INC.	54	33	29	0	0	62	25	33	0	25	0.95	0.00	561.45	561.45	
WIENER, MELVIN AND MARIAM S.	30	18	18	0	0	36	0	18	0	0	0.00	0.00	0.00	0.00	
WOOD, MICHAEL AND DENISE	0	0	0	0	0	0	12	0	12	0	0.00	7,092.00	0.00	7,092.00	
TOTAL	114,308	70,229	20,813	(15,361)	(140)	75,541	69,782	21,382	14,721	53,895	2,050.97	8,700,111.00	1,212,123.28	9,912,234.28	

APPENDIX B

MARCH 25, 2020

**PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS DUE FOR 2018-19
(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)
CENTRO SUBAREA**

PRODUCER	2018-19 FREE PRODUCTION ALLOWANCE						PRODUCTION					ASSESSMENTS DUE BY JULY 1, 2020 (AMOUNTS IN DOLLARS)		
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2018-19 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT	MAKEUP	TOTAL
				2017-18 CARRYOVER ³	2018-19 FPA ⁴							WATER	WATER	
												\$591.00/AF	N/A	
APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT	29	24	24	(24)	0	24	0	24	0	0	0.00	0.00	0.00	0.00
AQUA CAPITAL MANAGEMENT, LP	2,106	1,709	1,869	(1,869)	(902)	807	0	783	0	0	0.00	0.00	0.00	0.00
ATCHISON, TOPEKA, SANTA FE RAILWAY COMPANY	120	96	50	(50)	(96)	0	0	0	0	0	0.00	0.00	0.00	0.00
BAR-LEN MUTUAL WATER COMPANY	48	39	33	0	0	72	25	39	0	25	0.00	0.00	0.00	0.00
BARSTOW COMMUNITY DEVELOPERS, LLC	0	0	0	0	0	0	6	0	6	0	0.00	3,546.00	0.00	3,546.00
BEST, BYRON L.	21	17	17	0	0	34	0	17	0	0	0.00	0.00	0.00	0.00
BROMMER FAMILY TRUST	361	289	259	(259)	0	289	0	289	0	0	0.00	0.00	0.00	0.00
CALMAT COMPANY	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CHAFAR, LARRY R. AND DELINDA C.	46	37	37	0	0	74	1	37	0	1	0.00	0.00	0.00	0.00
CHOI, YONG IL AND JOUNG AE	38	31	31	0	0	62	0	31	0	0	0.00	0.00	0.00	0.00
CHONG, JOAN	10	8	42	0	0	50	28	8	0	28	0.00	0.00	0.00	0.00
CHRISTISON, JOEL	75	60	60	0	0	120	1	60	0	1	0.00	0.00	0.00	0.00
CONTRATTO, ERSULA	151	121	120	(120)	0	121	1	120	0	1	0.00	0.00	0.00	0.00
DARR, JAMES S.	408	327	327	0	0	654	321	327	0	321	0.00	0.00	0.00	0.00
DE VRIES, NEIL AND MARY FAMILY TRUST	3,800	3,040	3,040	0	0	6,080	1	3,040	0	1	0.00	0.00	0.00	0.00
DORRANCE, DAVID W. AND TAMELA L.	19	16	0	0	(16)	0	0	0	0	0	0.00	0.00	0.00	0.00
EYGNOR, ROBERT E.	50	40	40	0	0	80	0	40	0	0	0.00	0.00	0.00	0.00
FEDERAL NATIONAL MORTGAGE ASSOCIATION - FANNIE MA	30	24	24	0	0	48	0	24	0	0	0.00	0.00	0.00	0.00
FOURFREE USA, INC. (FORMERLY: CHONG, JOAN)	42	34	0	0	0	34	0	34	0	0	0.00	0.00	0.00	0.00
FRATES, D. COLE	13	11	0	0	(11)	0	0	0	0	0	0.00	0.00	0.00	0.00
FRIEND, JOSEPH AND DEBORAH	60	48	48	0	0	96	8	48	0	8	0.00	0.00	0.00	0.00
GABRYCH, EUGENE	132	106	106	0	0	212	0	106	0	0	0.00	0.00	0.00	0.00
GAINES FAMILY TRUST, JACK AND MARY	92	74	74	0	0	148	0	74	0	0	0.00	0.00	0.00	0.00
GOLDEN STATE WATER COMPANY	14,407	11,526	11,526	(3,506)	0	19,546	5,494	11,526	0	5,494	0.00	0.00	0.00	0.00
GRILL, NICHOLAS P. AND MILLIE D. (SEE NOTE 15)	0	0	0	0	0	0	99	0	99	0	0.00	58,509.00	0.00	58,509.00
GUTIERREZ, JOSE AND GLORIA	130	104	98	0	0	202	85	104	0	85	0.00	0.00	0.00	0.00
HANIFY, MICHAEL D., DBA - WHITE BEAR RANCH	152	122	10	(10)	(83)	39	0	39	0	0	0.00	0.00	0.00	0.00
HARMSSEN FAMILY TRUST	722	578	578	0	0	1,156	391	578	0	391	0.00	0.00	0.00	0.00
HARPER LAKE COMPANY VIII	1,433	1,147	1,030	0	0	2,177	934	1,147	0	934	0.00	0.00	0.00	0.00
HASKINS, JAMES J. (FORMERLY: AQUA CAPITAL MANAGEMENT, LP)	30	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
HELENDALE COMMUNITY SERVICES DISTRICT	219	176	0	0	(176)	0	0	0	0	0	0.00	0.00	0.00	0.00
HENSLEY, MARK P.	27	22	22	0	0	44	22	22	0	22	0.00	0.00	0.00	0.00
HI DESERT MUTUAL WATER COMPANY	34	28	27	0	0	55	20	28	0	20	0.00	0.00	0.00	0.00
HIGH DESERT ASSOCIATES, INC.	513	411	411	0	0	822	0	411	0	0	0.00	0.00	0.00	0.00

APPENDIX B

MARCH 25, 2020

PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS DUE FOR 2018-19
(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)

CENTRO SUBAREA

PRODUCER	2018-19 FREE PRODUCTION ALLOWANCE						ASSESSMENTS DUE BY JULY 1, 2020 (AMOUNTS IN DOLLARS)								
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2018-19 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	PRODUCTION SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT	MAKEUP	TOTAL	
				2017-18 CARRYOVER ³	2018-19 FPA ⁴							WATER	WATER		
												\$591.00/AF	N/A		
HI-GRADE MATERIALS COMPANY	0	0	0	0	0	0	2	0	2	0	0.00	1,182.00	0.00	1,182.00	
HILL FAMILY TRUST AND HILL'S RANCH, INC.	2,335	1,868	1,868	(1,239)	0	2,497	30	1,868	0	30	0.00	0.00	0.00	0.00	
HOWARD, ET AL.	43	35	35	0	0	70	0	35	0	0	0.00	0.00	0.00	0.00	
HUERTA, HECTOR	656	525	525	800	0	1,850	883	525	0	883	0.00	0.00	0.00	0.00	
JONES, JOETTE	22	18	18	0	0	36	0	18	0	0	0.00	0.00	0.00	0.00	
JORDAN FAMILY TRUST	460	368	364	(364)	0	368	4	364	0	4	0.00	0.00	0.00	0.00	
KASNER FAMILY LIMITED PARTNERSHIP	421	337	337	(213)	0	461	0	337	0	0	0.00	0.00	0.00	0.00	
KIM, JIN S. AND HYUN H.	190	152	152	(152)	0	152	0	152	0	0	0.00	0.00	0.00	0.00	
LEE, ET AL., SEPOONG AND WOO POONG	77	62	62	0	0	124	1	62	0	1	0.00	0.00	0.00	0.00	
LEYERLY, GENEVA (SEE NOTE 12)	65						3								
MCCOLLUM, CHARLES L.	115	92	92	0	0	184	0	92	0	0	0.00	0.00	0.00	0.00	
MEAD FAMILY TRUST	115	92	92	0	0	184	1	92	0	1	0.00	0.00	0.00	0.00	
MOJAVE SOLAR, LLC	5,239	4,192	4,192	0	0	8,384	1,306	4,192	0	1,306	0.00	0.00	0.00	0.00	
MOST FAMILY TRUST	56	45	45	0	0	90	0	45	0	0	0.00	0.00	0.00	0.00	
ODESSA WATER DISTRICT	299	240	240	0	0	480	0	240	0	0	0.00	0.00	0.00	0.00	
OHAI, REYNOLDS AND DOROTHY	137	110	110	0	0	220	1	110	0	1	0.00	0.00	0.00	0.00	
OSTERKAMP, GEROLD (SEE NOTE 12)	260						125								
PACIFIC GAS AND ELECTRIC COMPANY	4,474	3,580	3,580	(200)	0	6,960	2,898	3,580	0	2,898	0.00	0.00	0.00	0.00	
RIOS, MARIANO V.	8	7	6	0	0	13	6	7	0	6	0.00	0.00	0.00	0.00	
RIVERO, FIDEL V.	20	16	16	0	0	32	1	16	0	1	0.00	0.00	0.00	0.00	
RUISCH TRUST, DALE W. AND NELLIE H.	650	520	281	200	0	1,001	611	390	0	611	0.00	0.00	0.00	0.00	
RUISCH, ET AL. (SEE NOTE 12)	862						415								
SERVICE ROCK PRODUCTS CORPORATION	766	613	613	0	0	1,226	15	613	0	15	0.00	0.00	0.00	0.00	
SEXTON, RODNEY A. AND SEXTON, DEREK R.	232	186	186	0	0	372	0	186	0	0	0.00	0.00	0.00	0.00	
SOPPELAND REVOCABLE TRUST	478	383	382	(25)	0	740	1	383	0	1	0.00	0.00	0.00	0.00	
SYNAGRO-WWT, INC. (DBA NURSURY PRODUCTS, LLC)	0	0	0	0	0	0	5	0	5	0	0.00	2,955.00	0.00	2,955.00	
TALLAKSON FAMILY REVOCABLE TRUST	17	14	14	0	0	28	6	14	0	6	0.00	0.00	0.00	0.00	
VALENTI, VITO	17	14	14	0	0	28	0	14	0	0	0.00	0.00	0.00	0.00	
VAN DAM REVOCABLE TRUST, E AND S	722	578	578	(116)	0	1,040	158	578	0	158	0.00	0.00	0.00	0.00	
VAN LEEUWEN, JOHN	1,465	1,172	1,052	0	0	2,224	1,087	1,137	0	1,087	0.00	0.00	0.00	0.00	
VERNOLA TRUST, PAT AND MARY ANN	3,116	2,493	2,493	1,600	0	6,586	3,234	2,493	0	3,234	0.00	0.00	0.00	0.00	
VICTORVILLE WATER DISTRICT, ID#1	796	637	0	0	(637)	0	0	0	0	0	0.00	0.00	0.00	0.00	
WERNER, ANDREW J.	18	15	0	0	(15)	0	0	0	0	0	0.00	0.00	0.00	0.00	
WESTERN DEVELOPMENT AND STORAGE, LLC	6	5	0	0	(5)	0	0	0	0	0	0.00	0.00	0.00	0.00	

APPENDIX B

MARCH 25, 2020

PRODUCER REPLACEMENT WATER

AND

MAKEUP WATER OBLIGATIONS

AND

ASSESSMENTS DUE FOR 2018-19

(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)

CENTRO SUBAREA

PRODUCER	2018-19 FREE PRODUCTION ALLOWANCE						PRODUCTION					ASSESSMENTS DUE BY JULY 1, 2020 (AMOUNTS IN DOLLARS)		
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2018-19 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT WATER \$591.00/AF	MAKEUP WATER N/A	TOTAL
				2017-18 CARRYOVER ³	2018-19 FPA ⁴									
WITHEY, CONNIE	22	18	18	0	0	36	1	18	0	1	0.00	0.00	0.00	0.00
TOTAL	49,477	38,652	37,268	(5,547)	(1,941)	68,432	18,231	36,517	112	17,576	0.00	66,192.00	0.00	66,192.00

APPENDIX B

MARCH 25, 2020

PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS DUE FOR 2018-19
(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)

BAJA SUBAREA

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	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2018-19 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT	MAKEUP	TOTAL	
				2017-18 CARRYOVER ³	2018-19 FPA ⁴							WATER	WATER		
												\$591.00/AF	N/A		
35250 YERMO, LLC	24	9	5	0	0	14	4	9	0	4	0.00	0.00	0.00	0.00	
AHN, CHUN SOO AND WHA JA	50	18	20	0	0	38	1	18	0	1	0.00	0.00	0.00	0.00	
AKE, CHARLES J. AND MARJORIE M.	23	9	10	0	0	19	0	9	0	0	0.00	0.00	0.00	0.00	
ARCHIBEK, ERIC	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
ARGUELLES, ALFREDO	647	227	259	0	0	486	248	227	0	248	0.00	0.00	0.00	0.00	
ATCHISON, TOPEKA, SANTA FE RAILWAY COMPANY	80	28	0	33	0	61	56	5	0	56	0.00	0.00	0.00	0.00	
BAILEY 2007 LIVING REVOCABLE TRUST, SHERÉ R.	27	10	11	0	0	21	0	10	0	0	0.00	0.00	0.00	0.00	
BARBER, JAMES B.	167	59	32	0	0	91	32	59	0	32	0.00	0.00	0.00	0.00	
BARON, SUSAN AND PALMER, CURTIS	26	10	11	0	0	21	0	10	0	0	0.00	0.00	0.00	0.00	
BENDER TRUST, DOLORES M.	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
BORGOGNO REVOCABLE LIVING TRUST	1,844	646	736	0	0	1,382	685	646	0	685	0.00	0.00	0.00	0.00	
BORJA, LEONIL T. AND TITAL L.	20	7	8	0	0	15	0	7	0	0	0.00	0.00	0.00	0.00	
BREDELIS, RONALD C. AND JEAN	64	23	26	0	0	49	31	18	0	31	0.00	0.00	0.00	0.00	
BROWN, RONALD A.	0	0	420	0	0	420	0	0	0	0	0.00	0.00	0.00	0.00	
BUBIER, DIANE GAIL	54	19	22	0	0	41	9	19	0	9	0.00	0.00	0.00	0.00	
BUDGET FINANCE COMPANY	32	12	13	0	0	25	0	12	0	0	0.00	0.00	0.00	0.00	
BUSH, KEVIN	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
CALICO JUNCTION	20	7	8	0	0	15	0	7	0	0	0.00	0.00	0.00	0.00	
CALICO LAKES HOMEOWNERS ASSOCIATION	1,293	453	518	(155)	0	816	255	453	0	255	0.00	0.00	0.00	0.00	
CALIFORNIA DEPARTMENT OF TRANSPORTATION	71	25	29	0	0	54	10	25	0	10	0.00	0.00	0.00	0.00	
CALMAT COMPANY	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
CAMANGA, TONY AND MARIETTA	47	17	19	0	0	36	1	17	0	1	0.00	0.00	0.00	0.00	
CAMPBELL, M. A. AND DIANNE	22	8	9	0	0	17	0	8	0	0	0.00	0.00	0.00	0.00	
CARLTON, SUSAN	155	55	62	0	0	117	1	55	0	1	0.00	0.00	0.00	0.00	
CDFW - CAMP CADY	921	323	369	0	0	692	70	323	0	70	0.00	0.00	0.00	0.00	
CF PROPERTIES, LLC	0	0	338	(338)	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
CHEYENNE LAKE, INC.	522	183	209	27	0	419	195	183	0	195	0.00	0.00	0.00	0.00	
CLARK, ARTHUR	50	18	20	0	0	38	0	18	0	0	0.00	0.00	0.00	0.00	
CONNER, WILLIAM H.	25	9	10	0	0	19	0	9	0	0	0.00	0.00	0.00	0.00	
CORBRIDGE, LINDA S.	32	12	13	0	0	25	8	12	0	8	0.00	0.00	0.00	0.00	
CROSS, FRANCIS AND BEVERLY	40	14	16	0	0	30	0	14	0	0	0.00	0.00	0.00	0.00	
CRYSTAL LAKES PROPERTY OWNERS ASSOCIATION	701	246	281	160	0	687	429	246	0	429	0.00	0.00	0.00	0.00	
DAGGETT COMMUNITY SERVICES DISTRICT	304	107	0	0	0	107	219	0	112	107	0.00	66,192.00	0.00	66,192.00	
DAGGETT RANCH, LLC	76	27	29	0	0	56	40	16	0	40	0.00	0.00	0.00	0.00	
DE JONG FAMILY TRUST	3,131	1,096	1,253	630	0	2,979	1,645	1,096	0	1,645	0.00	0.00	0.00	0.00	
DENNISON, QUENTIN D. - CLEGG, FRIZELL AND JOKE	29	11	12	0	0	23	0	11	0	0	0.00	0.00	0.00	0.00	

APPENDIX B

MARCH 25, 2020

PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS DUE FOR 2018-19
(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)

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	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2018-19 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT WATER \$591.00/AF	MAKEUP WATER N/A	TOTAL	
				2017-18	2018-19										
				CARRYOVER ³	FPA ⁴										
DOCIMO LIVING TRUST, ALLEN LEE	0	0	28	(28)	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
DONALDSON, JERRY AND BEVERLY	90	32	36	0	0	68	1	32	0	1	0.00	0.00	0.00	0.00	
DOWELL, LEONARD	23	9	10	0	0	19	0	9	0	0	0.00	0.00	0.00	0.00	
EVERT FAMILY TRUST	173	61	41	0	0	102	26	61	0	26	0.00	0.00	0.00	0.00	
FEJFAR, MONICA KAY	20	7	8	0	0	15	0	7	0	0	0.00	0.00	0.00	0.00	
FERNANDEZ, ARTURO	76	27	31	0	0	58	0	27	0	0	0.00	0.00	0.00	0.00	
FERRO, DENNIS AND NORMA	32	12	13	0	0	25	0	12	0	0	0.00	0.00	0.00	0.00	
FIRST CPA LLC	57	20	14	0	0	34	21	13	0	21	0.00	0.00	0.00	0.00	
FOOTHILL ESTATES MHP, LLC (FORMERLY: POZZATO PARTNERS, LIMITED)	54	19	0	0	0	19	33	0	14	19	0.00	8,274.00	0.00	8,274.00	
FUNDAMENTAL CHRISTIAN ENDEAVORS, INC.	425	149	170	0	0	319	117	149	0	117	0.00	0.00	0.00	0.00	
GABRYCH, EUGENE	1,637	573	511	0	0	1,084	865	219	0	865	0.00	0.00	0.00	0.00	
GARCIA, DANIEL	23	9	10	0	0	19	2	9	0	2	0.00	0.00	0.00	0.00	
GARG, OM P.	483	170	194	0	0	364	4	170	0	4	0.00	0.00	0.00	0.00	
GENON CALIFORNIA SOUTH, LP (SEE NOTE 16)	7,194	2,518	2,124	(2,100)	0	2,542	559	1,983	0	559	0.00	0.00	0.00	0.00	
GRAY, GEORGE F. AND BETTY E.	94	33	38	(38)	0	33	0	33	0	0	0.00	0.00	0.00	0.00	
HACKBARTH, EDWARD E.	1,517	531	441	46	0	1,018	676	342	0	676	0.00	0.00	0.00	0.00	
HANSON AGGREGATES WRP, INC.	31	11	13	0	0	24	0	11	0	0	0.00	0.00	0.00	0.00	
HARESON, NICHOLAS AND MARY	8	3	4	0	0	7	0	3	0	0	0.00	0.00	0.00	0.00	
HARTER, JOE AND SUE	5,234	1,832	1,868	0	0	3,700	2,408	1,292	0	2,408	0.00	0.00	0.00	0.00	
HASS, PAULINE L.	35	13	14	(14)	0	13	1	12	0	1	0.00	0.00	0.00	0.00	
HAWKINS, JAMES B.	854	299	342	0	0	641	0	299	0	0	0.00	0.00	0.00	0.00	
HENDLEY, RICK AND BARBARA	48	17	20	0	0	37	10	17	0	10	0.00	0.00	0.00	0.00	
HIETT, HARRY L.	29	11	12	(10)	0	13	1	11	0	1	0.00	0.00	0.00	0.00	
HILARIDES 1998 REVOCABLE FAMILY TRUST	303	107	121	(121)	0	107	2	105	0	2	0.00	0.00	0.00	0.00	
HO, TING-SENG AND AH-GIT	300	105	120	0	0	225	0	105	0	0	0.00	0.00	0.00	0.00	
HOLLISTER, ROBERT H. AND RUTH M.	44	16	18	0	0	34	1	16	0	1	0.00	0.00	0.00	0.00	
HONG, PAUL B. AND MAY	85	30	34	0	0	64	0	30	0	0	0.00	0.00	0.00	0.00	
HOOD FAMILY TRUST	41	15	17	0	0	32	14	15	0	14	0.00	0.00	0.00	0.00	
HORTON, JOHN	242	85	97	(97)	0	85	0	85	0	0	0.00	0.00	0.00	0.00	
HORTON'S CHILDREN'S TRUST	199	70	0	3	0	73	96	0	31	73	0.00	18,321.00	0.00	18,321.00	
HUBBARD, ESTER AND MIZUNO, ARLEAN	28	10	12	0	0	22	3	10	0	3	0.00	0.00	0.00	0.00	
HUNT, RALPH M. AND LILLIAN F.	51	18	21	0	0	39	3	18	0	3	0.00	0.00	0.00	0.00	
HYATT, JAMES AND BRENDA	210	74	84	(84)	0	74	17	57	0	17	0.00	0.00	0.00	0.00	
IM, NICHOLAS NAK-KYUN	150	53	60	0	0	113	54	53	0	54	0.00	0.00	0.00	0.00	
IRVIN, BERTRAND W.	29	11	12	5	0	28	13	11	0	13	0.00	0.00	0.00	0.00	

APPENDIX B

MARCH 25, 2020

PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS DUE FOR 2018-19
(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)

BAJA SUBAREA

PRODUCER	2018-19 FREE PRODUCTION ALLOWANCE						ASSESSMENTS DUE BY JULY 1, 2020 (AMOUNTS IN DOLLARS)								
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2018-19 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	PRODUCTION SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT WATER \$591.00/AF	MAKEUP WATER N/A	TOTAL	
				2017-18 CARRYOVER ³	2018-19 FPA ⁴										

ITALMOOD INC., ET. AL.	190	67	76	0	0	143	46	67	0	46	0.00	0.00	0.00	0.00
JACKS, JAMES F.	10	4	4	0	0	8	1	4	0	1	0.00	0.00	0.00	0.00
JACKSON, JAMES N. JR REVOCABLE LIVING TRUST	54	19	22	(5)	0	36	0	19	0	0	0.00	0.00	0.00	0.00
JACKSON, RAY REVOCABLE TRUST NO. 45801	1	1	1	0	0	2	0	1	0	0	0.00	0.00	0.00	0.00
JOHNSON, JAMES R. AND ELLEN	247	87	73	(73)	0	87	22	65	0	22	0.00	0.00	0.00	0.00
KARIMI, HOOSHANG	70	25	28	0	0	53	1	25	0	1	0.00	0.00	0.00	0.00
KASNER FAMILY LIMITED PARTNERSHIP	843	296	0	0	0	296	1,063	0	767	296	0.00	453,297.00	0.00	453,297.00
KASNER, ROBERT (SEE NOTE 15)	5,713	2,000	1,682	984	0	4,666	3,381	1,285	0	3,381	0.00	0.00	0.00	0.00
KATCHER, AUGUST M. AND MARCELINE	23	9	10	0	0	19	1	9	0	1	0.00	0.00	0.00	0.00
KEMP, ROBERT AND ROSE	32	12	13	0	0	25	0	12	0	0	0.00	0.00	0.00	0.00
KIM, JOON HO AND MAL BOON REVOCABLE TRUST	764	268	306	(46)	0	528	259	268	0	259	0.00	0.00	0.00	0.00
KIM, SEON JA	50	18	20	0	0	38	1	18	0	1	0.00	0.00	0.00	0.00
KOEGLER, RONALD R. AND CAROLYN V.	26	10	9	0	0	19	10	9	0	10	0.00	0.00	0.00	0.00
KOERING, RICHARD AND KOERING, DONNA	20	7	8	0	0	15	1	7	0	1	0.00	0.00	0.00	0.00
KOROGHLIAN, TED AND NAJWA	15	6	1	0	0	7	6	1	0	6	0.00	0.00	0.00	0.00
KOSHAREK, JOHN AND JOANN	54	19	22	0	0	41	11	19	0	11	0.00	0.00	0.00	0.00
LAKE JODIE PROPERTY OWNERS ASSOCIATION	311	109	125	205	0	439	292	109	0	292	0.00	0.00	0.00	0.00
LAKE WAIKIKI	98	35	40	0	0	75	0	35	0	0	0.00	0.00	0.00	0.00
LAKE WAINANI OWNERS ASSOCIATION	938	329	298	0	0	627	203	289	0	203	0.00	0.00	0.00	0.00
LAM, PHILLIP	105	37	42	0	0	79	6	37	0	6	0.00	0.00	0.00	0.00
LANGLEY, MICHAEL R. AND SHARON	20	7	3	0	0	10	12	0	2	10	0.00	1,182.00	0.00	1,182.00
LAVANH, ET AL.	24	9	10	0	0	19	1	9	0	1	0.00	0.00	0.00	0.00
LAWRENCE, WILLIAM W.	45	16	18	0	0	34	1	16	0	1	0.00	0.00	0.00	0.00
LEE, VIN JANG T.	630	221	252	0	0	473	0	221	0	0	0.00	0.00	0.00	0.00
LEM, HOY	32	12	13	0	0	25	0	12	0	0	0.00	0.00	0.00	0.00
LIANG, YUAN - I AND TZU - MEI CHEN	200	70	80	0	0	150	0	70	0	0	0.00	0.00	0.00	0.00
LIBERTY UTILITIES (APPLE VALLEY RANCHOS WATER) CORP.	453	159	182	0	0	341	124	159	0	124	0.00	0.00	0.00	0.00
LIN, KUAN JUNG AND CHUNG, DER-BING	451	158	181	0	0	339	0	158	0	0	0.00	0.00	0.00	0.00
LO, ET AL.	59	21	0	0	0	21	33	0	12	21	0.00	7,092.00	0.00	7,092.00
M BIRD CONSTRUCTION	41	15	17	0	0	32	0	15	0	0	0.00	0.00	0.00	0.00
MAHJOUBI, AFSAR S.	63	23	26	0	0	49	0	23	0	0	0.00	0.00	0.00	0.00
MALONEY, JANICE	36	13	15	0	0	28	2	13	0	2	0.00	0.00	0.00	0.00
MANNING, SHARON S.	63	23	0	19	0	42	16	23	0	16	0.00	0.00	0.00	0.00
MARCROFT, JAMES A. AND JOAN	38	14	2	0	0	16	14	2	0	14	0.00	0.00	0.00	0.00
MARSHALL, CHARLES	20	7	8	0	0	15	0	7	0	0	0.00	0.00	0.00	0.00
MARTIN, MICHAEL D. AND ARLENE D.	63	23	0	0	0	23	42	0	19	23	0.00	11,229.00	0.00	11,229.00

APPENDIX B

MARCH 25, 2020

PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS DUE FOR 2018-19
(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)

BAJA SUBAREA

PRODUCER	2018-19 FREE PRODUCTION ALLOWANCE						PRODUCTION									ASSESSMENTS DUE BY JULY 1, 2020 (AMOUNTS IN DOLLARS)		
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2018-19 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT WATER \$591.00/AF	MAKEUP WATER N/A	TOTAL				
				2017-18 CARRYOVER ³	2018-19 FPA ⁴													
MILBRAT, IRVING H.	73	26	30	0	0	56	31	25	0	31	0.00	0.00	0.00	0.00				
MILLER LIVING TRUST	18	7	8	0	0	15	0	7	0	0	0.00	0.00	0.00	0.00				
MIZRAHIE, ET AL.	145	51	58	0	0	109	0	51	0	0	0.00	0.00	0.00	0.00				
MORRIS TRUST, JULIA V.	304	107	122	(121)	0	108	1	107	0	1	0.00	0.00	0.00	0.00				
MULLIGAN, ROBERT AND INEZ	35	13	14	0	0	27	0	13	0	0	0.00	0.00	0.00	0.00				
MURPHY, JEAN	24	9	10	(10)	0	9	5	4	0	5	0.00	0.00	0.00	0.00				
NEW SPRINGS LIMITED PARTNERSHIP	2,329	816	732	(521)	0	1,027	0	816	0	0	0.00	0.00	0.00	0.00				
NEWBERRY COMMUNITY SERVICES DISTRICT	23	9	3	0	0	12	15	0	3	12	0.00	1,773.00	0.00	1,773.00				
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	1,085	380	2	2	0	384	0	380	0	0	0.00	0.00	0.00	0.00				
NSSLC, INC. (FORMERLY: DOCIMO LIVING TRUST, ALLEN LEE)	109	39	0	28	0	67	65	2	0	65	0.00	0.00	0.00	0.00				
O. F. D. L., INC.	300	105	120	58	0	283	165	105	0	165	0.00	0.00	0.00	0.00				
P AND H ENGINEERING AND DEVELOPMENT CORPORATION	667	234	267	0	0	501	0	234	0	0	0.00	0.00	0.00	0.00				
PATINO, JOSÉ	22	8	9	0	0	17	5	8	0	5	0.00	0.00	0.00	0.00				
PEARCE, CRAIG L.	150	53	60	0	0	113	13	53	0	13	0.00	0.00	0.00	0.00				
PERKO, BERT K.	132	47	53	0	0	100	26	47	0	26	0.00	0.00	0.00	0.00				
POLAND, JOHN R. AND KATHLEEN A.	92	33	37	0	0	70	8	33	0	8	0.00	0.00	0.00	0.00				
PORTER, TIMOTHY M.	30	11	12	0	0	23	0	11	0	0	0.00	0.00	0.00	0.00				
PRECISION INVESTMENTS SERVICES, LLC (FORMERLY: CF PROPERTIES, LLC)	845	296	0	193	0	489	189	296	0	189	0.00	0.00	0.00	0.00				
PRICE, DONALD AND RUTH	42	15	17	0	0	32	1	15	0	1	0.00	0.00	0.00	0.00				
PRUETT, ANDREA	36	13	15	0	0	28	0	13	0	0	0.00	0.00	0.00	0.00				
QUAKENBUSH, SAMUEL R.	19	7	8	0	0	15	5	7	0	5	0.00	0.00	0.00	0.00				
QUIROS, FRANCISCO J. AND HERRMANN, RONALD	38	14	0	20	0	34	35	0	1	34	0.00	591.00	0.00	591.00				
RICE, HENRY C. AND DIANA	24	9	10	0	0	19	0	9	0	0	0.00	0.00	0.00	0.00				
RIZVI, S.R ALI	27	10	11	0	0	21	0	10	0	0	0.00	0.00	0.00	0.00				
ROSSI, JAMES L. AND NAOMI I.	614	215	108	0	0	323	376	0	53	323	0.00	31,323.00	0.00	31,323.00				
S AND B BROTHERS, LLC	221	78	89	0	0	167	0	78	0	0	0.00	0.00	0.00	0.00				
SAGABEAN-BARKER, KANOELOKELANI L.	34	12	14	0	0	26	14	11	0	14	0.00	0.00	0.00	0.00				
SAMPLES, BERNARD D. AND JANICE E. (FORMERLY: SHAW, ROBERT M. AND LORI A. SLATER-SHAW)	43	16	0	18	0	34	7	16	0	7	0.00	0.00	0.00	0.00				
SAMRA, JAGTAR S.	30	11	12	0	0	23	2	11	0	2	0.00	0.00	0.00	0.00				
SAN BERNARDINO CO BARSTOW - DAGGETT AIRPORT	168	59	68	0	0	127	14	59	0	14	0.00	0.00	0.00	0.00				
SERVICE ROCK PRODUCTS CORPORATION	0	0	0	0	0	0	1	0	1	0	0.00	591.00	0.00	591.00				
SHAW, ROBERT M. AND LORI A. SLATER-SHAW	0	0	18	(18)	0	0	0	0	0	0	0.00	0.00	0.00	0.00				
SHENG, JEN	33	12	14	0	0	26	1	12	0	1	0.00	0.00	0.00	0.00				
SHEPPARD, THOMAS AND GLORIA	217	76	87	0	0	163	11	76	0	11	0.00	0.00	0.00	0.00				

APPENDIX B

MARCH 25, 2020

**PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS DUE FOR 2018-19
(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)**

BAJA SUBAREA

PRODUCER	2018-19 FREE PRODUCTION ALLOWANCE						PRODUCTION					ASSESSMENTS DUE BY JULY 1, 2020 (AMOUNTS IN DOLLARS)		
	BASE ANNUAL PRODUCTION	BASE FREE	CARRYOVER	TRANSFERS + OR (-)		TOTAL ⁵	2018-19 VERIFIED ⁶	UNUSED ⁷	REPLACEMENT	SUBJECT TO	MAKEUP	REPLACEMENT	MAKEUP	TOTAL
		PRODUCTION	FROM	2017-18	2018-19				WATER	MAKEUP	WATER	WATER		
		ALLOWANCE ¹	PREVIOUS YEAR ²	CARRYOVER ³	FPA ⁴				OBLIGATION ⁸	OBLIGATION ⁹	OBLIGATION	\$591.00/AF	N/A	
SHORT, JEROME E.	30	11	7	0	0	18	17	1	0	17	0.00	0.00	0.00	0.00
SINGH, ET AL.	31	11	13	0	0	24	0	11	0	0	0.00	0.00	0.00	0.00
SMITH, DENISE DBA AMEREQUINE BEAUTY, INC	0	0	0	0	0	0	82	0	82	0	0.00	48,462.00	0.00	48,462.00
SMITH, PORTER AND ANITA	25	9	10	0	0	19	0	9	0	0	0.00	0.00	0.00	0.00
SOUTHERN CALIFORNIA EDISON COMPANY	600	210	240	0	0	450	0	210	0	0	0.00	0.00	0.00	0.00
SOUTHERN CALIFORNIA GAS COMPANY	98	35	40	0	0	75	6	35	0	6	0.00	0.00	0.00	0.00
SPERRY, WESLEY	4	2	2	0	0	4	0	2	0	0	0.00	0.00	0.00	0.00
ST. ANTONY COPTIC ORTHODOX MONASTERY	130	46	249	0	0	295	287	8	0	287	0.00	0.00	0.00	0.00
STARKE, GEORGE A. AND JAYNE E.	23	9	10	0	0	19	0	9	0	0	0.00	0.00	0.00	0.00
SUNDOWN LAKES, INC.	420	147	168	52	0	367	168	147	0	168	0.00	0.00	0.00	0.00
SUNRAY LAND COMPANY, LLC	63	23	26	0	0	49	1	23	0	1	0.00	0.00	0.00	0.00
SZYNKOWSKI, RUTH J.	29	11	12	0	0	23	2	11	0	2	0.00	0.00	0.00	0.00
TAPIE, RAYMOND L.	18	7	8	0	0	15	1	7	0	1	0.00	0.00	0.00	0.00
TEISAN, JERRY	96	34	39	0	0	73	0	34	0	0	0.00	0.00	0.00	0.00
THAYER, SHARON	97	34	39	0	0	73	31	33	0	31	0.00	0.00	0.00	0.00
THOMAS, STEPHEN AND LORI	49	18	20	0	0	38	3	18	0	3	0.00	0.00	0.00	0.00
TRIPLE H PARTNERSHIP	218	77	88	0	0	165	78	77	0	78	0.00	0.00	0.00	0.00
TURNER, TERRY	30	11	12	0	0	23	1	11	0	1	0.00	0.00	0.00	0.00
UNION PACIFIC RAILROAD COMPANY	249	88	100	0	0	188	52	88	0	52	0.00	0.00	0.00	0.00
VACA, ANDY AND TERESITA S.	20	7	6	0	0	13	5	7	0	5	0.00	0.00	0.00	0.00
VAN BASTELAAR, ALPHONSE	78	28	0	0	0	28	106	0	78	28	0.00	46,098.00	0.00	46,098.00
VAN DAM FAMILY TRUST, GLEN AND JENNIFER	5,430	1,901	1,482	0	0	3,383	2,367	1,016	0	2,367	0.00	0.00	0.00	0.00
VAN LEEUWEN, JOHN	2,018	707	649	100	0	1,456	757	699	0	757	0.00	0.00	0.00	0.00
VANDER DUSSEN TRUST, AGNES AND EDWARD	1,792	628	443	0	0	1,071	741	330	0	741	0.00	0.00	0.00	0.00
WANG, STEVEN	10	4	4	0	0	8	0	4	0	0	0.00	0.00	0.00	0.00
WARD, RAYMOND (SEE NOTE 15)	105	37	0	41	0	78	50	4	0	50	0.00	0.00	0.00	0.00
WEEMS, LIZZIE	53	19	22	0	0	41	0	19	0	0	0.00	0.00	0.00	0.00
WEERAISINGHE, MAITHRI N.	15	6	6	0	0	12	1	6	0	1	0.00	0.00	0.00	0.00
WESTERN HORIZON ASSOCIATES, INC.	1,363	478	180	0	0	658	737	0	79	658	0.00	46,689.00	0.00	46,689.00
WET SET, INC.	404	142	89	54	0	285	130	142	0	130	0.00	0.00	0.00	0.00
WITTE, E. DANIEL AND MARCIA	27	10	11	0	0	21	1	10	0	1	0.00	0.00	0.00	0.00
WLSR, INC.	328	115	132	42	0	289	133	115	0	133	0.00	0.00	0.00	0.00
WORSEY, JOSEPH A. AND REVAE	29	11	12	0	0	23	0	11	0	0	0.00	0.00	0.00	0.00
TOTAL	63,929	22,454	21,020	(1,059)	0	42,415	21,162	17,371	1,254	19,916	0.00	741,114.00	0.00	741,114.00

**APPENDIX B - SUMMARY
PRODUCER REPLACEMENT WATER
AND**

MARCH 25, 2020

**MAKEUP WATER OBLIGATIONS
AND**

ASSESSMENTS DUE FOR 2018-19

(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)

SUBAREA	2018-19 FREE PRODUCTION ALLOWANCE						PRODUCTION					ASSESSMENTS DUE BY JULY 1, 2020 (AMOUNTS IN DOLLARS)		
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2018-19 VERIFIED PRODUCTION ⁶	UNUSED ⁷ FPA	REPLACEMENT WATER OBLIGATION ⁸	PRODUCTION SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT WATER	MAKEUP WATER	TOTAL
				2017-18 CARRYOVER ³	2018-19 FPA ⁴									
ESTE	19,251	15,422	15,138	(398)	0	30,162	4,029	15,084	376	3,653	0.00	222,216.00	0.00	222,216.00
OESTE	6,857	5,487	4,511	0	0	9,998	3,380	4,897	0	3,380	0.00	0.00	0.00	0.00
ALTO	114,308	70,229	20,813	(15,361)	(140)	75,541	69,782	21,382	14,721	53,895	2,050.97	8,700,111.00	1,212,123.28	9,912,234.28
CENTRO	49,477	38,652	37,268	(5,547)	(1,941)	68,432	18,231	36,517	112	17,576	0.00	66,192.00	0.00	66,192.00
BAJA	63,929	22,454	21,020	(1,059)	0	42,415	21,162	17,371	1,254	19,916	0.00	741,114.00	0.00	741,114.00
GRAND TOTAL	253,822	152,244	98,750	(22,365)	(2,081)	226,548	116,584	95,251	16,463	98,420	2,050.97	9,729,633.00	1,212,123.28	10,941,756.28

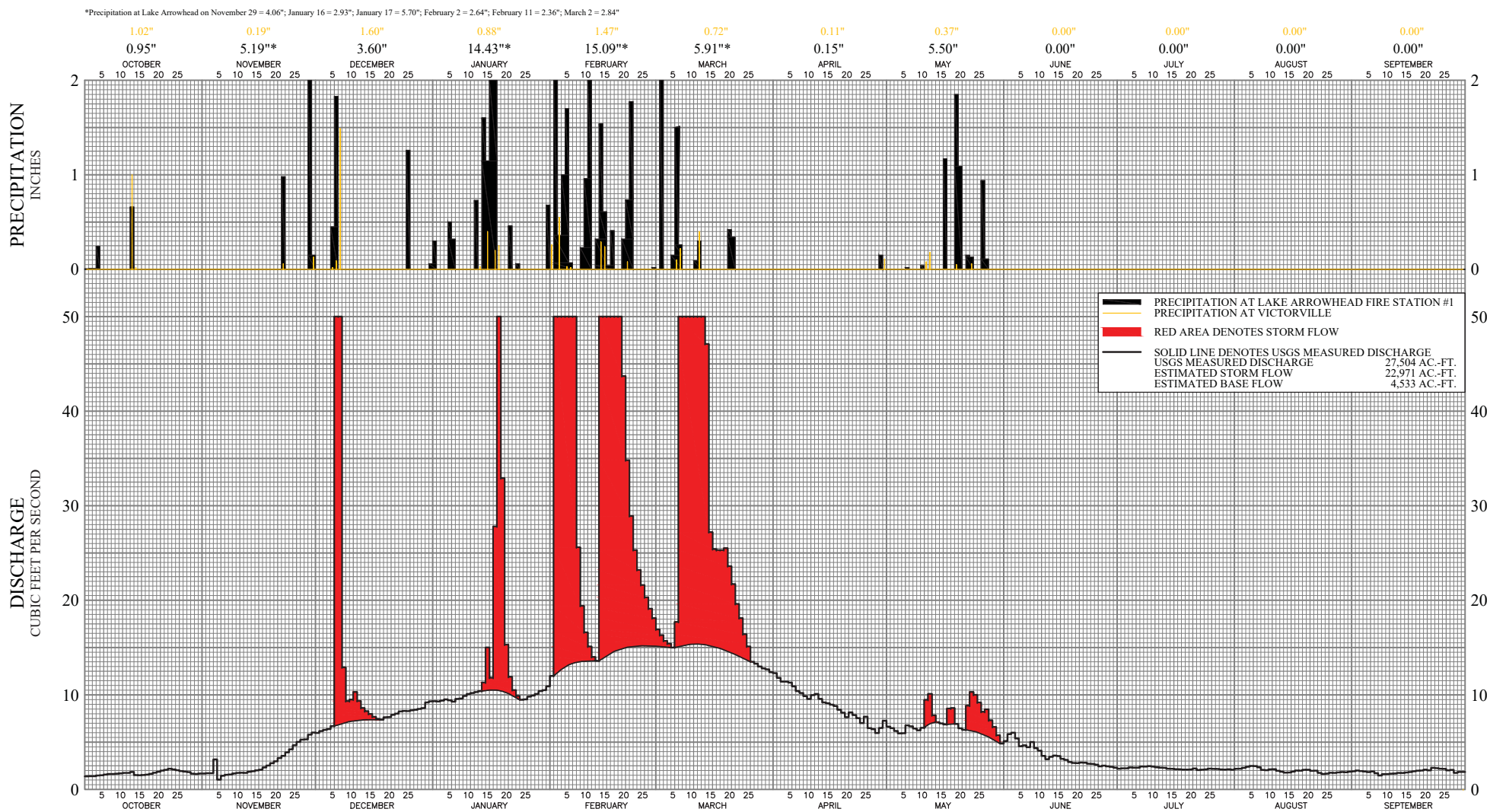
NOTES FOR APPENDIX B

- 1 EQUAL TO 80% OF BASE ANNUAL PRODUCTION IN THE ESTE, OESTE AND CENTRO SUBAREAS AND FOR THE AGRICULTURAL PRODUCERS IN THE ALTO SUBAREA.
EQUAL TO 60% OF BASE ANNUAL PRODUCTION FOR THE MUNICIPAL AND INDUSTRIAL PRODUCERS IN THE ALTO SUBAREA.
EQUAL TO 35% OF BASE ANNUAL PRODUCTION IN THE BAJA SUBAREA.
- 2 UNUSED FPA FROM 2017-18 NET OF ANY TRANSFERS DURING 2017-18.
- 3 TRANSFERS OF 2017-18 UNUSED FPA FOR USE DURING 2018-19. AMOUNTS SOLD OR OTHERWISE RELINQUISHED ARE SHOWN IN PARENTHESIS. SEE APPENDIX E.
- 4 TRANSFERS OF 2018-19 BASE FREE PRODUCTION ALLOWANCE. AMOUNTS SOLD OR OTHERWISE RELINQUISHED ARE SHOWN IN PARENTHESIS. SEE APPENDIX E.
- 5 TOTAL FREE PRODUCTION ALLOWANCE FOR 2018-19 IS EQUAL TO THE SUM OF BASE FREE PRODUCTION ALLOWANCE, CARRYOVER AND TRANSFERS.
- 6 2018-19 VERIFIED PRODUCTION.
- 7 UNUSED FPA IS EQUAL TO THE TOTAL FPA MINUS TOTAL VERIFIED PRODUCTION, BUT NOT GREATER THAN THE SUM OF BASE FREE PRODUCTION ALLOWANCE
AND 2018-19 FPA TRANSFERS.
- 8 WATER PRODUCTION IN EXCESS OF TOTAL FREE PRODUCTION ALLOWANCE.
- 9 PRODUCTION SUBJECT TO MAKEUP OBLIGATION IS EQUAL TO THE TOTAL VERIFIED PRODUCTION NOT TO EXCEED THE TOTAL FREE PRODUCTION ALLOWANCE.
- 10 PHELAN PIÑON HILLS CSD'S WELL #14 IS NOT INCLUDED IN THE TOTAL VERIFIED PRODUCTION. THE MATTER OF PUMPING FROM WELL #14, LOCATED IN LA COUNTY,
IS STILL UNRESOLVED AND MAY AFFECT FUTURE OBLIGATIONS UNDER THE JUDGMENT.
- 11 CDFW - MOJAVE RIVER FISH HATCHERY IS EXEMPT FROM ASSESSMENTS PURSUANT TO THE PROVISIONS OF EXHIBIT F OF THE JUDGMENT AFTER TRIAL,
DATED JANUARY 10, 1996.
- 12 APPELLANTS NOT SUBJECT TO THE JUDGMENT AFTER TRIAL PURSUANT TO SUPREME COURT DECISION DATED AUGUST 21, 2000. THE AGGREGATE BASE ANNUAL
PRODUCTION OF THESE PARTIES WAS DETERMINED PRIOR TO TRIAL AND CONSISTS OF 291 ACRE-FEET IN THE ALTO SUBAREA AND 1,187 ACRE-FEET IN THE
CENTRO SUBAREA. THE VERIFIED PRODUCTION WAS ESTIMATED BY WATERMASTER FOR 2018-19 AND CONSISTS OF 1,145 ACRE-FEET IN THE ALTO SUBAREA
AND 543 ACRE-FEET IN THE CENTRO SUBAREA.
- 13 THE VERIFIED PRODUCTION SHOWN INCLUDES MWA DELIVERIES THROUGH THE REGIONAL, RECHARGE AND RECOVERY PROJECT. DELIVERIES FOR 2018-19 WATER
YEAR INCLUDE 0 ACRE-FEET FOR LIBERTY UTILITIES (APPLE VALLEY RANCHOS WATER) CORP., 2,273 ACRE-FEET FOR VICTORVILLE WATER DISTRICT, ID#1 AND 2,509
ACRE-FEET FOR VICTORVILLE WATER DISTRICT ID#2.
- 14 THE VERIFIED PRODUCTION SHOWN INCLUDES THE OPERATIONAL WATER USED FOR THE REGIONAL, RECHARGE AND RECOVERY PROJECT.
- 15 FPA HAS BEEN ADJUSTED 2 FOR 1 FOR THE CHANGE IN CONSUMPTIVE USE PURSUANT TO EXHIBIT F OF THE JUDGMENT.
- 16 THE 7,194 ACRE-FEET OF BAP AND THE ASSOCIATED UNUSED FPA OF 1,983 ACRE-FEET WAS TRANSFERRED TO THE MOJAVE WATER AGENCY EFFECTIVE OCTOBER 1,
2019.

APPENDIX C

SEPARATION OF FLOW COMPONENTS AT LOWER NARROWS

AND AFTON FOR 2018-19



DISCHARGE OF MOJAVE RIVER AT LOWER NARROWS,
PRECIPITATION AT LAKE ARROWHEAD FIRE STATION #1,
AND PRECIPITATION AT VICTORVILLE
WATER YEAR 2018-19

MOJAVE RIVER AT LOWER NARROWS NEAR VICTORVILLE, CA

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

WATER YEAR 2018-19

AVERAGE DAILY DISCHARGE, CUBIC FEET PER SECOND

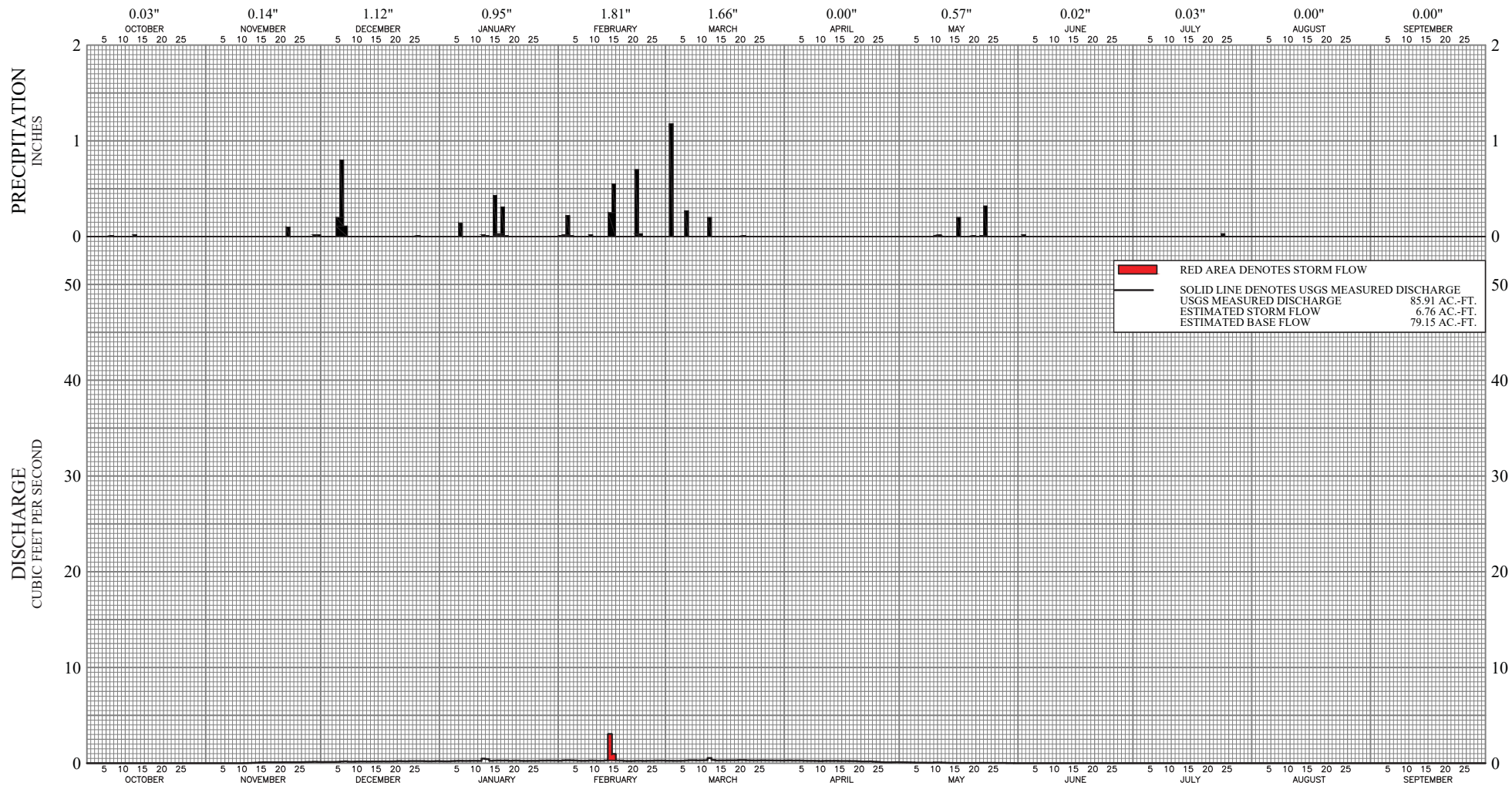
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.38	1.68	5.97	9.33	12.0	16.9	12.3	6.64	5.11	2.19	2.18	1.91
2	1.40	1.71	6.17	9.30	52.3	16.3	11.8	6.48	5.85	2.23	2.19	2.00
3	1.40	1.71	6.30	9.39	639	15.7	11.4	6.18	6.00	2.23	2.28	1.94
4	1.47	3.17	6.38	9.52	52.0	15.4	11.4	5.92	5.39	2.32	2.40	1.89
5	1.50	1.03	6.70	9.42	716	15.0	11.3	5.94	4.56	2.30	2.48	1.83
6	1.57	1.45	126.00	9.28	261	17.7	10.9	6.77	4.66	2.30	2.46	1.90
7	1.63	1.55	105.00	9.57	59.7	736	10.4	6.67	4.46	2.42	2.34	1.71
8	1.63	1.58	e12.9	9.61	25.6	560	10.2	6.44	5.01	2.41	2.06	1.47
9	1.66	1.69	9.33	9.89	19.4	258	9.86	6.25	4.36	2.46	2.03	1.61
10	1.70	1.75	e9.49	10.1	16.6	124	9.56	6.51	4.10	2.41	2.12	1.62
11	1.75	1.76	e10.3	10.2	15.1	71.1	9.97	9.46	3.55	2.34	2.14	1.66
12	1.75	1.75	e9.35	10.3	14.0	66.8	10.1	10.1	3.19	2.30	1.97	1.68
13	1.85	1.86	8.60	10.4	13.6	90.2	9.57	7.83	3.45	2.28	1.87	1.75
14	1.51	1.92	8.26	11.3	1,770	47.1	9.20	7.11	3.58	2.19	1.77	1.74
15	1.50	2.01	7.97	15.0	3,690	27.2	9.11	6.98	3.53	2.18	1.79	1.79
16	1.52	2.08	7.67	11.8	1,080	25.4	8.96	6.87	3.23	2.14	1.88	1.84
17	1.56	2.32	e7.45	27.8	579	25.3	8.82	8.55	3.12	2.13	2.00	1.91
18	1.65	2.52	e7.37	247	166	25.3	8.42	8.60	2.90	2.10	1.98	1.98
19	1.76	2.77	e7.63	32.9	75.8	25.5	8.11	6.92	2.80	2.10	2.07	2.00
20	1.86	2.97	7.65	15.3	43.7	23.6	7.64	6.46	2.78	2.11	2.08	2.09
21	1.99	3.31	7.89	11.9	34.8	21.7	8.15	6.30	2.84	2.21	1.96	2.01
22	2.07	3.55	8.01	10.5	28.9	19.6	7.86	8.85	2.82	2.05	1.98	2.28
23	2.19	3.91	8.25	9.87	25.3	18.1	7.54	10.3	2.71	2.09	1.75	2.25
24	2.11	4.24	8.30	9.48	23.2	16.4	7.01	10.0	2.70	2.12	1.63	2.19
25	2.03	4.67	8.28	9.52	21.6	15.1	7.69	9.19	2.61	2.20	1.67	2.17
26	1.94	5.02	8.36	9.81	20.3	13.5	6.48	8.20	2.44	2.17	1.76	2.01
27	1.88	5.26	8.42	9.92	19.1	13.3	6.37	8.46	2.51	2.16	1.75	2.06
28	1.83	5.29	8.51	10.1	18.1	13.0	5.96	7.30	2.44	2.11	1.80	1.75
29	1.66	5.79	8.60	10.4		12.8	6.50	6.60	2.39	2.10	1.84	1.85
30	1.63	6.01	9.20	10.5		12.7	7.26	5.72	2.30	2.13	1.81	1.85
31	1.68		9.31	10.9		12.4		4.85		2.08	1.87	
TOTAL (CFS - DAYS)	53.1	86.3	470	600	9,492	2,371	270	228	107	68.6	61.9	56.7
ACRE-FEET	105	171	931	1,191	18,830	4,703	535	453	213	136	123	113

WATER YEAR TOTAL = 27,504 AC-FT

SAN BERNARDINO COUNTY PRECIPITATION STATION 5140 - LAKE ARROWHEAD FIRE STATION #1

PRECIPITATION, INCHES

[illegible]



DISCHARGE OF MOJAVE RIVER AT AFTON
AND PRECIPITATION AT BARSTOW
WATER YEAR 2018-19

MOJAVE RIVER AT AFTON, CA

U.S.G.S. GAGING STATION NO. 10263000

WATER YEAR 2018-19

AVERAGE DAILY DISCHARGE, CUBIC FEET PER SECOND

	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
	1	0.00	e0.00	0.12	0.21	0.26	0.26	0.28	0.10	0.00	0.00	0.00	0.00
	2	0.00	e0.00	0.13	0.20	0.30	0.26	0.29	0.09	0.00	0.00	0.00	0.00
	3	0.00	e0.00	0.13	0.20	0.31	0.25	0.27	0.08	0.00	0.00	0.00	0.00
	4	0.00	e0.00	0.13	0.22	0.30	0.25	0.28	0.07	0.00	0.00	0.00	0.00
	5	0.00	e0.00	0.14	0.24	0.28	0.26	0.27	0.06	0.00	0.00	0.00	0.00
	6	0.00	e0.00	0.17	0.25	0.26	0.28	0.26	0.06	0.00	0.00	0.00	0.00
	7	0.00	e0.00	0.20	0.24	0.25	0.31	0.25	0.06	0.00	0.00	0.00	0.00
	8	0.00	e0.00	0.16	0.24	0.26	0.31	0.25	0.05	0.00	0.00	0.00	0.00
	9	0.00	e0.00	0.16	0.25	0.28	0.29	0.24	0.05	0.00	0.00	0.00	0.00
	10	0.00	e0.00	0.17	0.25	0.27	0.30	0.22	0.07	0.00	0.00	0.00	0.00
	11	0.00	e0.01	0.18	0.24	0.26	0.31	0.24	0.07	0.00	0.00	0.00	0.00
	12	0.00	e0.02	0.18	0.47	0.26	0.54	0.25	0.06	0.00	0.00	0.00	0.00
	13	0.00	e0.04	0.17	0.42	0.29	0.33	0.24	0.04	0.00	0.00	0.00	0.00
	14	0.00	0.06	0.18	0.25	3.04	0.28	0.25	0.03	0.00	0.00	0.00	0.00
	15	0.00	0.08	0.18	0.27	0.96	0.29	0.23	0.02	0.00	0.00	0.00	0.00
	16	0.00	0.09	0.18	0.28	0.28	0.29	0.23	0.02	0.00	0.00	0.00	0.00
	17	0.00	0.09	0.19	0.27	0.27	0.30	0.23	0.02	0.00	0.00	0.00	0.00
	18	0.00	0.09	0.18	0.28	0.24	0.30	0.22	0.02	0.00	0.00	0.00	0.00
	19	0.00	0.09	0.19	0.25	0.23	0.30	0.22	0.02	0.00	0.00	0.00	0.00
	20	0.00	0.09	0.20	0.27	0.24	0.32	0.20	0.02	0.00	0.00	0.00	0.00
	21	e0.00	0.10	0.22	0.27	0.26	0.32	0.18	0.02	0.00	0.00	0.00	0.00
	22	e0.00	0.10	0.21	0.25	0.26	0.30	0.18	0.03	0.00	0.00	0.00	0.00
	23	0.00	0.10	0.20	0.24	0.24	0.29	0.19	0.03	0.00	0.00	0.00	0.00
	24	0.00	0.10	0.22	0.25	0.26	0.28	0.16	0.03	0.00	0.00	0.00	0.00
	25	0.00	0.10	0.22	0.25	0.26	0.29	0.14	0.03	0.00	0.00	0.00	0.00
	26	0.00	0.11	0.22	0.25	0.27	0.30	0.11	0.02	0.00	0.00	0.00	0.00
	27	e0.00	0.12	0.22	0.27	0.27	0.29	0.09	0.02	0.00	0.00	0.00	0.00
	28	e0.00	0.13	0.21	0.27	0.27	0.29	0.09	0.02	0.00	0.00	0.00	0.00
	29	e0.00	0.15	0.20	0.28		0.28	0.10	0.01	0.00	0.00	0.00	0.00
	30	e0.00	0.13	0.21	0.27		0.28	0.11	0.01	0.00	0.00	0.00	0.00
	31	e0.00		0.22	0.27		0.27		0.00		0.00	0.00	
TOTAL (CFS)		0.00	1.80	5.69	8.17	10.9	9.22	6.27	1.23	0.00	0.00	0.00	0.00
ACRE-FEET		0.00	3.57	11.3	16.2	21.7	18.3	12.4	2.44	0.00	0.00	0.00	0.00
WATER YEAR TOTAL =		86 AC-FT											

BARSTOW

NOAA STATION NO. W04-0521-07

WATER YEAR 2018-19

PRECIPITATION, INCHES

[illegible]

APPENDIX D

CALCULATION OF SUBSURFACE FLOWS BETWEEN SUBAREAS

[RESERVED]

APPENDIX E

TRANSFERS OF BASE ANNUAL PRODUCTION,

FREE PRODUCTION ALLOWANCE

AND PRIOR YEAR CARRYOVER

APPENDIX E
TRANSFERS OF BASE ANNUAL PRODUCTION,
FREE PRODUCTION ALLOWANCE
AND PRIOR YEAR CARRYOVER
(ALL AMOUNTS IN ACRE-FEET)
ESTE SUBAREA

TRANSFEROR	TRANSFER AMOUNT						TRANSFeree
	BASE ANNUAL PRODUCTION ¹	2017-18 CARRYOVER ²	2018-19 FPA ³	2017-18 CARRYOVER IN LIEU OF REPLACEMENT ⁴	2017-18 CARRYOVER IN LIEU OF MAKEUP ⁵	2018-19 FPA IN LIEU OF MAKEUP ⁶	
AHN, CHUN SOO AND DAVID				67			AHN REVOCABLE LIVING TRUST
AHN, CHUN SOO AND DAVID				48			OASIS WORLD MISSION
AVILA, ANGEL AND EVALIA				11			RHEE, ANDREW N.
CLUB VIEW PARTNERS				21			SAN BERNARDINO COUNTY SERVICE AREA 29
DAHLQUIST, GEORGE R.	70						RHEE, ANDREW N.
DJC CORPORATION		72					JONES TRUST DATED MARCH 16, 2002
DJC CORPORATION	89						JONES TRUST DATED MARCH 16, 2002
GABRYCH, EUGENE				91			WEISER, ET AL.
HAL-DOR LTD.	23						DJC CORPORATION
HAL-DOR LTD.		19					DJC CORPORATION
MITSUBISHI CEMENT CORPORATION				11			OMYA CALIFORNIA, INC.
MITSUBISHI CEMENT CORPORATION				87			ROBERTSON'S READY MIX
MITSUBISHI CEMENT CORPORATION				23			SPECIALTY MINERALS, INC.
PAK, KAE SOO AND MYONG HUI KANG				27			CHUNG, ET AL.
WEST END MUTUAL WATER COMPANY				12			DESERT DAWN MUTUAL WATER COMPANY
TOTAL	182	91	0	398	0	0	

APPENDIX E

MARCH 25, 2020

TRANSFERS OF BASE ANNUAL PRODUCTION,
FREE PRODUCTION ALLOWANCE
AND PRIOR YEAR CARRYOVER
(ALL AMOUNTS IN ACRE-FEET)

ALTO SUBAREA

	TRANSFER AMOUNT						
TRANSFEROR	BASE ANNUAL PRODUCTION ¹	2017-18 CARRYOVER ²	2018-19 FPA ³	2017-18 CARRYOVER IN LIEU OF REPLACEMENT ⁴	2017-18 CARRYOVER IN LIEU OF MAKEUP ⁵	2018-19 FPA IN LIEU OF MAKEUP ⁶	TRANSFEEEE
ADES, JOHN AND DEVON				12			APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT
ADES, JOHN AND DEVON		12					APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT
AMERICAN STATES WATER COMPANY				321			GOLDEN STATE WATER COMPANY
AMERICAN STATES WATER COMPANY		114					SAN BERNARDINO COUNTY SERVICE AREA 64
AMERICAN STATES WATER COMPANY				128			SAN BERNARDINO COUNTY SERVICE AREA 64
AMERICAN STATES WATER COMPANY				37			SAN BERNARDINO COUNTY SERVICE AREA 70J
AQUA CAPITAL MANAGEMENT, LP-AGRICULTURE	72						HESPERIA WATER DISTRICT
AQUA CAPITAL MANAGEMENT, LP-INDUSTRIAL				11			ADELANTO, CITY OF
AQUA CAPITAL MANAGEMENT, LP-INDUSTRIAL	185						HESPERIA WATER DISTRICT
BASS TRUST, NEWTON T.				410			VICTORVILLE WATER DISTRICT, ID#1
BASTIANON REVOCABLE TRUST				61			VICTORVILLE WATER DISTRICT, ID#1
BEEBE, ROBERT W. AND DOROTHY K.				5			HESPERIA WATER DISTRICT
BEINSCHROTH FAMILY TRUST				72			APPLE VALLEY UNIFIED SCHOOL DISTRICT
BEINSCHROTH FAMILY TRUST	25						BEINSCHROTH FAMILY TRUST
BEINSCHROTH FAMILY TRUST	25						BEINSCHROTH, ANDY ERIC
BEINSCHROTH FAMILY TRUST	50						HELENDALE COMMUNITY SERVICES DISTRICT
BEINSCHROTH FAMILY TRUST				84			MARIANA RANCHOS COUNTY WATER DISTRICT
BEINSCHROTH FAMILY TRUST	30						MOJAVE DESERT LAND TRUST
BEINSCHROTH FAMILY TRUST				48			THUNDERBIRD COUNTY WATER DISTRICT
BEINSCHROTH FAMILY TRUST				389			VICTORVILLE WATER DISTRICT, ID#1
BEINSCHROTH, ANDY ERIC	25						MARIANA RANCHOS COUNTY WATER DISTRICT
BOX, GEARY S. AND LAURA		18					LANGLEY, JAMES
BROWN, BOBBY G. AND VALERIA R.				33			SPRING VALLEY LAKE ASSOCIATION
BROWN, JENNIFER				29			VICTORVILLE WATER DISTRICT, ID#1
BRYANT, IAN				24			VICTORVILLE WATER DISTRICT, ID#1
BUNNELL, DICK				18			SPRING VALLEY LAKE ASSOCIATION
CALMAT COMPANY		11					AQUA CAPITAL MANAGEMENT, LP-INDUSTRIAL
CALPORTLAND COMPANY - AGRICULTURE		515					LANGLEY, JAMES
CALPORTLAND COMPANY - ORO GRANDE PLANT		1,127					LANGLEY, JAMES - INDUSTRIAL
DLW REVOCABLE TRUST		56					VICTORVILLE WATER DISTRICT, ID#1
DOLCH, ROBERT AND JUDY				76			VICTORVILLE WATER DISTRICT, ID#1
DORA LAND, INC.				12			ADELANTO, CITY OF
FEDERAL BUREAU OF PRISONS, VICTORVILLE			412				VICTORVILLE WATER DISTRICT, ID#1
FISCHER REVOCABLE LIVING TRUST				28			ADELANTO, CITY OF

APPENDIX E
TRANSFERS OF BASE ANNUAL PRODUCTION,
FREE PRODUCTION ALLOWANCE
AND PRIOR YEAR CARRYOVER
(ALL AMOUNTS IN ACRE-FEET)
ALTO SUBAREA

TRANSFEROR	TRANSFER AMOUNT						TRANSFeree
	BASE ANNUAL PRODUCTION ¹	2017-18 CARRYOVER ²	2018-19 FPA ³	2017-18 CARRYOVER IN LIEU OF REPLACEMENT ⁴	2017-18 CARRYOVER IN LIEU OF MAKEUP ⁵	2018-19 FPA IN LIEU OF MAKEUP ⁶	
FISHER TRUST, JEROME R.				201			ADELANTO, CITY OF
FISHER TRUST, JEROME R.				68			SILVER LAKES ASSOCIATION
FISHER TRUST, JEROME R.				238			VICTORVILLE WATER DISTRICT, ID#1
FRAZIER, ET AL.				40			ADELANTO, CITY OF
HAAS, BRYAN C. AND HINKLE, MARY H.				8			ADELANTO, CITY OF
HALANNA EQUITIES III				10			HESPERIA WATER DISTRICT
HAMILTON FAMILY TRUST		72					JAMBOREE HOUSING CORPORATION
HELENDALE COMMUNITY SERVICES DISTRICT				686			VICTORVILLE WATER DISTRICT, ID#1
HESPERIA, CITY OF				4,042			HESPERIA WATER DISTRICT
HI-GRADE MATERIALS COMPANY				63			AGCON, INC.
HI-GRADE MATERIALS COMPANY		9					LANGLEY, JAMES - INDUSTRIAL
HOLWAY, JEFFREY R		9					HESPERIA WATER DISTRICT
HOLWAY, JEFFREY R AND PATRICIA GAGE		7					HESPERIA WATER DISTRICT
HUNT, CONNIE		53					HESPERIA WATER DISTRICT
JESS RANCH WATER COMPANY				3,171			VICTORVILLE WATER DISTRICT, ID#2
JOHNSON, RONALD		25					HESPERIA WATER DISTRICT
JOHNSTON, HARRIET AND JOHNSTON, LAWRENCE W.		32					LANGLEY, JAMES
JOHNSTON, HARRIET AND JOHNSTON, LAWRENCE W.		35					LANGLEY, JAMES
JOHNSTON, HARRIET AND JOHNSTON, LAWRENCE W.		31					LANGLEY, JAMES
KEMPER CAMPBELL RANCH				236			VICTORVILLE WATER DISTRICT, ID#1
LAGUNA WATER II, LTD.			160				HELENDALE COMMUNITY SERVICES DISTRICT
LAGUNA WATER II, LTD.	200						HELENDALE COMMUNITY SERVICES DISTRICT
LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT				527			VICTORVILLE WATER DISTRICT, ID#1
LANGLEY, JAMES				219			HESPERIA - GOLF COURSE, CITY OF
LANGLEY, JAMES				43			HESPERIA WATER DISTRICT
LANGLEY, JAMES		132					SAN BERNARDINO COUNTY SERVICE AREA 64
LANGLEY, JAMES		150					SPRING VALLEY LAKE COUNTRY CLUB
LANGLEY, JAMES		100					SPRING VALLEY LAKE COUNTRY CLUB
LANGLEY, JAMES				60			VICTOR VALLEY MEMORIAL PARK
LANGLEY, JAMES - INDUSTRIAL				505			CDFW - MOJAVE NARROWS REGIONAL PARK
LANGLEY, JAMES - INDUSTRIAL				252			CEMEX, INC.
LANGLEY, JAMES - INDUSTRIAL				9			HESPERIA WATER DISTRICT
LANGLEY, JAMES - INDUSTRIAL				121			SAN BERNARDINO COUNTY - HIGH DESERT DETENTION CEN
LANGLEY, JAMES - INDUSTRIAL		249					SAN BERNARDINO COUNTY SERVICE AREA 64

APPENDIX E
TRANSFERS OF BASE ANNUAL PRODUCTION,
FREE PRODUCTION ALLOWANCE
AND PRIOR YEAR CARRYOVER
(ALL AMOUNTS IN ACRE-FEET)
ALTO SUBAREA

TRANSFEROR	TRANSFER AMOUNT						TRANSFeree
	BASE ANNUAL PRODUCTION ¹	2017-18 CARRYOVER ²	2018-19 FPA ³	2017-18 CARRYOVER IN LIEU OF REPLACEMENT ⁴	2017-18 CARRYOVER IN LIEU OF MAKEUP ⁵	2018-19 FPA IN LIEU OF MAKEUP ⁶	
LAWSON, ERNEST AND BARBARA				5			ADELANTO, CITY OF
LAWSON, ERNEST AND BARBARA				3			APPLE VALLEY VIEW MUTUAL WATER COMPANY
LAWSON, ERNEST AND BARBARA				1			PERRY REVOCABLE LIVING TRUST, THOMAS AND PATRICIA
LAWSON, ERNEST AND BARBARA				2			THOMPSON LIVING TRUST, R.L. AND R.A.
LHC ALLIGATOR, LLC		125					ADELANTO, CITY OF
LHC ALLIGATOR, LLC			399				HESPERIA WATER DISTRICT
LHC ALLIGATOR, LLC				274			VICTORVILLE WATER DISTRICT, ID#1
LOW, DEAN				116			ADELANTO, CITY OF
LOW, DEAN				44			WOOD, MICHAEL AND DENISE
LUCKEY 2010 REVOCABLE TRUST				239			VICTORVILLE WATER DISTRICT, ID#1
MCINNIS, WILLIAM S.		17					APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT
MCINNIS, WILLIAM S.	30						FINCH, JENIFER
MCKINNEY, PAULA		27					HESPERIA WATER DISTRICT
MLH, LLC				6			HESPERIA WATER DISTRICT
MOJAVE DESERT LAND TRUST				7			ADELANTO, CITY OF
NUNN FAMILY TRUST				28			VICTORVILLE WATER DISTRICT, ID#1
POLICH, DONNA		52					HESPERIA WATER DISTRICT
RIM PROPERTIES, A GENERAL PARTNERSHIP				8			ADELANTO, CITY OF
RUE RANCH, INC.				24			VICTORVILLE WATER DISTRICT, ID#1
SAN BERNARDINO COUNTY SERVICE AREA 42		213					SAN BERNARDINO COUNTY SERVICE AREA 70J
SAPP, ROBERT D. AND LEE, TERESA J.	42						HELENDALE COMMUNITY SERVICES DISTRICT
SAPP, ROBERT D. AND LEE, TERESA J.				27			VICTORVILLE WATER DISTRICT, ID#1
SCRAY, MICHELLE A. TRUST		11					LANGLEY, JAMES
STORM, RANDALL				50			VICTOR VALLEY COMMUNITY COLLEGE DISTRICT
SUDMEIER, GLENN W.				15			VICTORVILLE WATER DISTRICT, ID#1
SUMMIT VALLEY RANCH, LLC				27			HESPERIA WATER DISTRICT
THOMPSON LIVING TRUST, JAMES A. AND SULA B.				28			ADELANTO, CITY OF
THOMPSON LIVING TRUST, JAMES A. AND SULA B.				306			VICTOR VALLEY COMMUNITY COLLEGE DISTRICT
THRASHER, GARY				284			SPRING VALLEY LAKE ASSOCIATION
VANHOOPS HOLDINGS, LP				288			VICTORVILLE WATER DISTRICT, ID#1
VOGLER, ALBERT H.				49			ADELANTO, CITY OF
WAGNER LIVING TRUST				980			VICTORVILLE WATER DISTRICT, ID#1
WAKULA FAMILY TRUST		9					APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT
WARD, KEN AND BARBARA				36			VICTORVILLE WATER DISTRICT, ID#1

APPENDIX E
TRANSFERS OF BASE ANNUAL PRODUCTION,
FREE PRODUCTION ALLOWANCE
AND PRIOR YEAR CARRYOVER
(ALL AMOUNTS IN ACRE-FEET)
ALTO SUBAREA

TRANSFEROR	TRANSFER AMOUNT						TRANSFeree
	BASE ANNUAL PRODUCTION ¹	2017-18 CARRYOVER ²	2018-19 FPA ³	2017-18 CARRYOVER IN LIEU OF REPLACEMENT ⁴	2017-18 CARRYOVER IN LIEU OF MAKEUP ⁵	2018-19 FPA IN LIEU OF MAKEUP ⁶	
WEST, HOWARD AND SUZY		58					LANGLEY, JAMES
WEST, JIMMIE E.				7			ADELANTO, CITY OF
WESTERN RIVERS CONSERVANCY		7					MOJAVE DESERT LAND TRUST
WESTERN RIVERS CONSERVANCY	10						MOJAVE DESERT LAND TRUST
TOTAL	694	3,276	971	15,151	0	0	

APPENDIX E

MARCH 25, 2020

TRANSFERS OF BASE ANNUAL PRODUCTION,
FREE PRODUCTION ALLOWANCE
AND PRIOR YEAR CARRYOVER
(ALL AMOUNTS IN ACRE-FEET)

CENTRO SUBAREA

TRANSFEROR	TRANSFER AMOUNT						TRANSFeree
	BASE ANNUAL PRODUCTION ¹	2017-18 CARRYOVER ²	2018-19 FPA ³	2017-18 CARRYOVER IN LIEU OF REPLACEMENT ⁴	2017-18 CARRYOVER IN LIEU OF MAKEUP ⁵	2018-19 FPA IN LIEU OF MAKEUP ⁶	
APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT					11		APPLE VALLEY FOOTHILL COUNTY WATER DISTRICT
APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT					12		APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT
APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT					1		MCINNIS, WILLIAM S.
AQUA CAPITAL MANAGEMENT, LP					72		ADELANTO, CITY OF
AQUA CAPITAL MANAGEMENT, LP						365	ADELANTO, CITY OF
AQUA CAPITAL MANAGEMENT, LP						1	ADES, JOHN AND DEVON
AQUA CAPITAL MANAGEMENT, LP						1	APPLE VALLEY FOOTHILL COUNTY WATER DISTRICT
AQUA CAPITAL MANAGEMENT, LP					65		APPLE VALLEY, TOWN OF
AQUA CAPITAL MANAGEMENT, LP					6		BEINSCHROTH FAMILY TRUST
AQUA CAPITAL MANAGEMENT, LP					1		BROWN, JENNIFER
AQUA CAPITAL MANAGEMENT, LP					1		BUNNELL, DICK
AQUA CAPITAL MANAGEMENT, LP					1		CALMAT COMPANY
AQUA CAPITAL MANAGEMENT, LP	30						HASKINS, JAMES J.
AQUA CAPITAL MANAGEMENT, LP					21		HELENDALe COMMUNITY SERVICES DISTRICT
AQUA CAPITAL MANAGEMENT, LP	200						HELENDALe COMMUNITY SERVICES DISTRICT
AQUA CAPITAL MANAGEMENT, LP						3	JOHNSON, CARLEAN
AQUA CAPITAL MANAGEMENT, LP					19		KEMPER CAMPBELL RANCH
AQUA CAPITAL MANAGEMENT, LP					21		PHELAN PIÑON HILLS COMMUNITY SERVICES DISTRICT
AQUA CAPITAL MANAGEMENT, LP					1		SAPP, ROBERT D. AND LEE, TERESA J.
AQUA CAPITAL MANAGEMENT, LP					466		SILVER LAKES ASSOCIATION
AQUA CAPITAL MANAGEMENT, LP						289	SPRING VALLEY LAKE ASSOCIATION
AQUA CAPITAL MANAGEMENT, LP					1		THOMPSON LIVING TRUST, R.L. AND R.A.
AQUA CAPITAL MANAGEMENT, LP					2		THRASHER, GARY
AQUA CAPITAL MANAGEMENT, LP						10	THUNDERBIRD COUNTY WATER DISTRICT
AQUA CAPITAL MANAGEMENT, LP					19		VICTOR VALLEY COMMUNITY COLLEGE DISTRICT
AQUA CAPITAL MANAGEMENT, LP						8	VICTORVILLE WATER DISTRICT, ID#1
AQUA CAPITAL MANAGEMENT, LP					1,170		VICTORVILLE WATER DISTRICT, ID#1
AQUA CAPITAL MANAGEMENT, LP						225	VICTORVILLE WATER DISTRICT, ID#2
AQUA CAPITAL MANAGEMENT, LP					3		WARD, KEN AND BARBARA
ATCHISON, TOPEKA, SANTA FE RAILWAY COMPANY					50		CDFW - MOJAVE NARROWS REGIONAL PARK
ATCHISON, TOPEKA, SANTA FE RAILWAY COMPANY						96	CDFW - MOJAVE NARROWS REGIONAL PARK
BROMMER FAMILY TRUST					19		MARIANA RANCHOS COUNTY WATER DISTRICT
BROMMER FAMILY TRUST					4		NAVAJO MUTUAL WATER COMPANY
BROMMER FAMILY TRUST					14		RANCHERITOS MUTUAL WATER COMPANY

APPENDIX E

MARCH 25, 2020

**TRANSFERS OF BASE ANNUAL PRODUCTION,
FREE PRODUCTION ALLOWANCE
AND PRIOR YEAR CARRYOVER
(ALL AMOUNTS IN ACRE-FEET)**

CENTRO SUBAREA

TRANSFEROR	TRANSFER AMOUNT						TRANSFeree
	BASE ANNUAL PRODUCTION ¹	2017-18 CARRYOVER ²	2018-19 FPA ³	2017-18 CARRYOVER IN LIEU OF REPLACEMENT ⁴	2017-18 CARRYOVER IN LIEU OF MAKEUP ⁵	2018-19 FPA IN LIEU OF MAKEUP ⁶	
BROMMER FAMILY TRUST					9		SAN BERNARDINO COUNTY SERVICE AREA 42
BROMMER FAMILY TRUST					213		SAN BERNARDINO COUNTY SERVICE AREA 70J
CHONG, JOAN	42						FOURFREE USA, INC.
CONTRATTO, ERSULA					120		HESPERIA WATER DISTRICT
DORRANCE, DAVID W. AND TAMELA L.						16	SPRING VALLEY LAKE COUNTRY CLUB
FRATES, D. COLE						1	BOX, GEARY S. AND LAURA
FRATES, D. COLE						10	SPRING VALLEY LAKE COUNTRY CLUB
GOLDEN STATE WATER COMPANY					3		APPLE VALLEY VIEW MUTUAL WATER COMPANY
GOLDEN STATE WATER COMPANY					72		GOLDEN STATE WATER COMPANY
GOLDEN STATE WATER COMPANY					52		HESPERIA - GOLF COURSE, CITY OF
GOLDEN STATE WATER COMPANY					637		HESPERIA WATER DISTRICT
GOLDEN STATE WATER COMPANY		800					HUERTA, HECTOR
GOLDEN STATE WATER COMPANY					342		SAN BERNARDINO COUNTY SERVICE AREA 64
GOLDEN STATE WATER COMPANY		1,600					VERNOLA TRUST, PAT AND MARY ANN
HANIFY, MICHAEL D., DBA - WHITE BEAR RANCH						30	AGCON, INC.
HANIFY, MICHAEL D., DBA - WHITE BEAR RANCH						1	CDFW - MOJAVE NARROWS REGIONAL PARK
HANIFY, MICHAEL D., DBA - WHITE BEAR RANCH						3	HI-GRADE MATERIALS COMPANY
HANIFY, MICHAEL D., DBA - WHITE BEAR RANCH					10		SPRING VALLEY LAKE COUNTRY CLUB
HANIFY, MICHAEL D., DBA - WHITE BEAR RANCH						49	SPRING VALLEY LAKE COUNTRY CLUB
HELENDALe COMMUNITY SERVICES DISTRICT						176	HELENDALe COMMUNITY SERVICES DISTRICT
HILL FAMILY TRUST AND HILL'S RANCH, INC.					183		JESS RANCH WATER COMPANY
HILL FAMILY TRUST AND HILL'S RANCH, INC.					1,056		LIBERTY UTILITIES (APPLE VALLEY RANCHOS WATER) COR
JORDAN FAMILY TRUST					364		HESPERIA WATER DISTRICT
KASNER FAMILY LIMITED PARTNERSHIP					98		CALPORTLAND COMPANY - ORO GRANDE PLANT
KASNER FAMILY LIMITED PARTNERSHIP					115		CEMEX, INC.
KIM, JIN S. AND HYUN H.					152		HESPERIA WATER DISTRICT
PACIFIC GAS AND ELECTRIC COMPANY		200					RUISCH TRUST, DALE W. AND NELLIE H.
SOPPELAND REVOCABLE TRUST				17			BARSTOW COMMUNITY DEVELOPERS, LLC
SOPPELAND REVOCABLE TRUST				8			SYNAGROW-WWT, INC. (DBA NURSURY PRODUCTS, LLC)
VAN DAM REVOCABLE TRUST, E AND S				116			GRILL, NICHOLAS P. AND MILLIE D.
VICTORVILLE WATER DISTRICT, ID#1						637	VICTORVILLE WATER DISTRICT, ID#1
WERNER, ANDREW J.						15	CDFW - MOJAVE NARROWS REGIONAL PARK
WESTERN DEVELOPMENT AND STORAGE, LLC						5	SPRING VALLEY LAKE COUNTRY CLUB
TOTAL	272	2,600	0	141	5,406	1,941	

APPENDIX E

MARCH 25, 2020

TRANSFERS OF BASE ANNUAL PRODUCTION,
FREE PRODUCTION ALLOWANCE
AND PRIOR YEAR CARRYOVER
(ALL AMOUNTS IN ACRE-FEET)

BAJA SUBAREA

TRANSFEROR	TRANSFER AMOUNT						TRANSFeree
	BASE ANNUAL PRODUCTION ¹	2017-18 CARRYOVER ²	2018-19 FPA ³	2017-18 CARRYOVER IN LIEU OF REPLACEMENT ⁴	2017-18 CARRYOVER IN LIEU OF MAKEUP ⁵	2018-19 FPA IN LIEU OF MAKEUP ⁶	
BROWN, RONALD A.	1,080						NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION
CALICO LAKES HOMEOWNERS ASSOCIATION		155					DE JONG FAMILY TRUST
CF PROPERTIES, LLC		338					PRECISION INVESMENTS SERVICES, LLC
CF PROPERTIES, LLC	845						PRECISION INVESMENTS SERVICES, LLC
DOCIMO LIVING TRUST, ALLEN LEE	109						NSSLIC, INC.
DOCIMO LIVING TRUST, ALLEN LEE		28					NSSLIC, INC.
GENON ENERGY, INC.		1,500					KASNER, ROBERT
GENON ENERGY, INC.		600					NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION
GRAY, GEORGE F. AND BETTY E.		38					DE JONG FAMILY TRUST
HASS, PAULINE L.		14					DE JONG FAMILY TRUST
HIETT, HARRY L.				10			DAGGETT COMMUNITY SERVICES DISTRICT
HILARIDES 1998 REVOCABLE FAMILY TRUST				80			WARD, RAYMOND
HILARIDES 1998 REVOCABLE FAMILY TRUST		41					WARD, RAYMOND
HORTON, JOHN				97			HORTON'S CHILDREN'S TRUST
HYATT, JAMES AND BRENDA		84					DE JONG FAMILY TRUST
JACKSON, JAMES N. JR REVOCABLE LIVING TRUST		5					IRVIN, BERTRAND W.
JOHNSON, JAMES R. AND ELLEN		73					DE JONG FAMILY TRUST
KASNER, ROBERT				516			KASNER FAMILY LIMITED PARTNERSHIP
KIM, JOON HO AND MAL BOON REVOCABLE TRUST		46					HACKBARTH, EDWARD E.
MORRIS TRUST, JULIA V.		121					DE JONG FAMILY TRUST
MURPHY, JEAN				7			HORTON'S CHILDREN'S TRUST
MURPHY, JEAN		3					HORTON'S CHILDREN'S TRUST
NEW SPRINGS LIMITED PARTNERSHIP		66					ATCHISON, TOPEKA, SANTA FE RAILWAY COMPANY
NEW SPRINGS LIMITED PARTNERSHIP				50			ATCHISON, TOPEKA, SANTA FE RAILWAY COMPANY
NEW SPRINGS LIMITED PARTNERSHIP				84			DAGGETT COMMUNITY SERVICES DISTRICT
NEW SPRINGS LIMITED PARTNERSHIP				16			MANNING, SHARON S.
NEW SPRINGS LIMITED PARTNERSHIP		19					MANNING, SHARON S.
NEW SPRINGS LIMITED PARTNERSHIP		20					QUIROS, FRANCISCO J. AND HERRMANN, RONALD
NEW SPRINGS LIMITED PARTNERSHIP				13			QUIROS, FRANCISCO J. AND HERRMANN, RONALD
NEW SPRINGS LIMITED PARTNERSHIP				91			SMITH, DENISE DBA AMEREQUINE BEAUTY, INC
NEW SPRINGS LIMITED PARTNERSHIP				62			VAN BASTELAAR, ALPHONSE
NEW SPRINGS LIMITED PARTNERSHIP		100					VAN LEEUWEN, JOHN
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION		27					CHEYENNE LAKE, INC.
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION		160					CRYSTAL LAKES PROPERTY OWNERS ASSOCIATION

APPENDIX E
TRANSFERS OF BASE ANNUAL PRODUCTION,
FREE PRODUCTION ALLOWANCE
AND PRIOR YEAR CARRYOVER
(ALL AMOUNTS IN ACRE-FEET)
BAJA SUBAREA

TRANSFEROR	TRANSFER AMOUNT						TRANSFeree
	BASE ANNUAL PRODUCTION ¹	2017-18 CARRYOVER ²	2018-19 FPA ³	2017-18 CARRYOVER IN LIEU OF REPLACEMENT ⁴	2017-18 CARRYOVER IN LIEU OF MAKEUP ⁵	2018-19 FPA IN LIEU OF MAKEUP ⁶	
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION		205					LAKE JODIE PROPERTY OWNERS ASSOCIATION
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION		58					O. F. D. L., INC.
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION		52					SUNDOWN LAKES, INC.
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION		54					WET SET, INC.
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION		42					WLSR, INC.
POZZATO PARTNERS, LIMITED	54						FOOTHILL ESTATES MHP, LLC
PRECISION INVESTMENTS SERVICES, LLC		145					DE JONG FAMILY TRUST
SHAW, ROBERT M. AND LORI A. SLATER-SHAW	43						SAMPLES, BERNARD D. AND JANICE E.
SHAW, ROBERT M. AND LORI A. SLATER-SHAW		18					SAMPLES, BERNARD D. AND JANICE E.
TOTAL	2,131	4,012	0	1,026	0	0	
TOTAL - ALL SUBAREAS	3,279	9,979	971	16,716	5,406	1,941	

NOTES FOR APPENDIX E

- 1 TRANSFERS OF BASE ANNUAL PRODUCTION RIGHT DURING 2018-19.
- 2 TRANSFERS OF 2017-18 CARRYOVER (UNUSED FPA) FOR USE DURING 2018-19.
- 3 TRANSFERS OF 2018-19 FREE PRODUCTION ALLOWANCE FOR USE DURING 2018-19.
- 4 2017-18 CARRYOVER IN LIEU OF REPLACEMENT TRANSFERS ARE MADE ONLY FOR SATISFACTION OF REPLACEMENT WATER OBLIGATIONS INCURRED DURING 2017-18.
- 5 2017-18 CARRYOVER IN LIEU MAKEUP TRANSFERS ARE MADE ONLY FOR SATISFACTION OF MAKEUP WATER OBLIGATIONS INCURRED DURING 2017-18.
- 6 2018-19 FPA IN LIEU MAKEUP TRANSFERS ARE MADE ONLY FOR SATISFACTION OF MAKEUP WATER OBLIGATIONS INCURRED DURING 2017-18.

APPENDIX F

BALANCES IN STORAGE AGREEMENTS

APPENDIX F

MARCH 25, 2020

STORAGE AGREEMENT ACCOUNTING AND BALANCES
2018-19 WATER YEAR
(ALL AMOUNTS IN ACRE-FEET)

STORER	STORAGE AGREEMENT				ACTIVITY				BALANCE AS OF 9/30/19
	INITIATION DATE	EXPIRATION DATE	MAXIMUM AMOUNT ¹	AMOUNT STORED AS OF 10/1/18	ADDITIONS	LOSSES ²	DISSIPATION ³	EXTRACTIONS	
VICTORVILLE WATER DISTRICT, ID#1 - INJECTION	05/23/2012	06/30/2022	13,000	1,000	0	0	0	0	1,000
VICTORVILLE WATER DISTRICT, ID#1 - PERCOLATION	07/27/2016	09/30/2028	0	9,089	500	-15	0	-1,788	7,786
VICTORVILLE WATER DISTRICT, ID#1 TOTAL			13,000	10,089	500	-15	0	-1,788	8,786
MOJAVE WATER AGENCY - ALTO	09/28/2016	09/28/2036	242,000	129,784	5,904	-162	0	-1,989	133,537
MOJAVE WATER AGENCY - BAJA	09/28/2016	09/28/2036	50,000	22,285	1,962	-59	0	-4	24,184
MOJAVE WATER AGENCY - CENTRO	09/28/2016	09/28/2036	35,000	22,932	1,268	-38	0	-15	24,147
MOJAVE WATER AGENCY - ESTE	09/28/2016	09/28/2036	7,000	1,320	0	0	0	0	1,320
MOJAVE WATER AGENCY - OESTE	09/28/2016	09/28/2036	7,000	0	0	0	0	0	0
MOJAVE WATER AGENCY TOTAL			341,000	176,321	9,134	-259	0	-2,008	183,188

NOTES:

- 1 VICTORVILLE WATER DISTRICT, ID#1 HAS A MAXIMUM STORAGE AMOUNT OF 13,000 ACRE-FEET COMBINED BETWEEN THE TWO STORAGE AGREEMENTS.
- 2 LOSSES INCLUDE SHRINKAGE, RECHARGE LOSSES AND MIGRATION LOSSES OR SPILLAGE AMOUNTS LOST TO BASIN DISCHARGE. LOSSES HAVE BEEN DETERMINED TO BE 3 PERCENT.
- 3 DISSIPATION INCLUDES GROUNDWATER DISSIPATED TO MOJAVE RIVER AS CALCULATED BY THE CALIFORNIA ENERGY COMMISSION AND REPORTED TO HIGH DESERT POWER PROJECT.

APPENDIX G

AUDITOR'S REPORT

AS OF JUNE 30, 2019



**Mojave Basin Area Watermaster
A Component Unit of the Mojave Water Agency**

Annual Financial Report

For the Fiscal Years Ended June 30, 2019 and 2018



Mojave Basin Area Watermaster
Annual Financial Report
For the Fiscal Year Ended June 30, 2019 (with comparative data for 2018)

Table of Contents

Financial Section

Independent Auditor's Report	1-2
Management's Discussion and Analysis.....	3-5
Basic Financial Statements:	
Statements of Net Position.....	6
Statements of Revenues, Expenses and Changes in Net Position	7
Statements of Cash Flows	8-9
Notes to the Financial Statements	10-16

Report on Internal Controls and Compliance

Report on Internal Control over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance With <i>Government Auditing Standards</i>	17-18
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Financial Section



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Independent Auditor's Report

To the Board of Directors
Mojave Basin Area Watermaster
Apple Valley, California

Report on the Financial Statements

We have audited the accompanying financial statements of the Mojave Basin Area Watermaster (the Watermaster), a component unit of the Mojave Water Agency, which comprises the statement of net position as of June 30, 2019, and the related statement of revenues, expenses and changes in net position, and cash flows for the year then ended, and the related notes to the financial statements, which collectively comprise the Watermaster's basic financial statements.

Management's Responsibility for the Financial Statements

The Watermaster's management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States and the State Controller's *Minimum Audit Requirements for California Special Districts*. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Watermaster's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Watermaster's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the Watermaster as of June 30, 2019, and the changes in financial position and cash flows thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America, as well as the accounting systems prescribed by the State Controller's Office and State Regulations governing Special Districts.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis, as listed in the table of contents, be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Prior Year Comparative Information

We have previously audited the Agency's 2018 financial statements, and we expressed an unmodified opinion in our report dated October 23, 2018. In our opinion, the summarized comparative information presented herein as of and for the year ended June 30, 2018, is consistent, in all material respects, with the audited financial statements from which it has been derived. Such information does not include all of the information required to constitute a presentation in conformity with accounting principles generally accepted in the United States of America. Accordingly, such information should be read in conjunction with the Agency's financial statements for the year ended June 30, 2018, from which such partial information was derived.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated October 22, 2019 on our consideration of the Watermaster's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the Watermaster's internal control over financial reporting and compliance.

Rogers, Anderson, Malody & Scott, LLP.

San Bernardino, California
October 22, 2019

Mojave Basin Area Watermaster
Management's Discussion and Analysis
For the Fiscal Year Ended June 30, 2019

The following Management's Discussion and Analysis (MD&A) of activities and financial performance of the Mojave Basin Area Watermaster (Watermaster) provides an introduction to the financial statements of the Watermaster for the fiscal years ended June 30, 2019 and 2018. The two-year presentation is provided for comparative purposes. We encourage readers to consider the information presented here in conjunction with the basic financial statements and related notes, which follow this section.

Financial Highlights

- In fiscal year 2019, the Watermaster's net position decreased 24%, or \$330,410, to \$1,043,149 as a result of an increase from ongoing operations. In fiscal year 2018, the Watermaster's net position increased 7%, or \$95,700, to \$1,373,559 as a result of an increase from ongoing operations.
- In fiscal year 2019, the Watermaster's operating revenues increased 122%, or \$763,690, to \$1,392,018 primarily due to an increase in replacement assessments. In fiscal year 2018, the Watermaster's operating revenues increased 13%, or \$71,933, to \$628,328 primarily due to increase of replacement assessments.
- In fiscal year 2019, the Watermaster's operating expenses increased 195%, or \$968,960, to \$1,466,170 primarily due to an increase of \$808,380 in state water project importation charges and an increase of \$128,576 in administrative expenses primarily due to court proceedings in relation to ramp down. In fiscal year 2018, the Watermaster's operating expenses increased 7%, or \$34,119, to \$497,210 primarily due to an increase in state water project importation charges.

Required Financial Statements

This annual report consists of a series of comparative financial statements. The Statement of Net Position, Statement of Revenues, Expenses and Changes in Net Position and Statement of Cash Flows provide information about the activities and performance of the Watermaster using accounting methods similar to those used by private sector companies for the fiscal years 2019 and 2018.

Due to the comparative nature of this report, the following financial statements include information that reflects the current year and prior year. The Statement of Net Position includes all of the Watermaster's investments in resources (assets) and obligations to creditors (liabilities). It also provides the basis for computing a rate of return, evaluating the capital structure of the Watermaster and assessing the liquidity and financial flexibility of the Watermaster. All of the current year's revenues and expenses are accounted for in the Statement of Revenues, Expenses and Changes in Net Position. These statements measure the success of the Watermaster's operations over the past years and can be used to determine if the Watermaster has successfully recovered all of its costs through its rates and other charges. These statements can also be used to evaluate profitability and credit worthiness. The final required financial statement is the Statement of Cash Flows, which provides information about the Watermaster's cash receipts and cash payments during the reporting periods. The Statement of Cash Flows report cash receipts, cash payments and net changes in cash resulting from operations, investing, non-capital financing, and capital and related financing activities and provide answers to such questions as where did cash come from, what was cash used for, and what was the change in cash balance during the reporting period.

Mojave Basin Area Watermaster
Management's Discussion and Analysis
For the Fiscal Year Ended June 30, 2019

Financial Analysis of the Watermaster

One of the most important questions asked about the Watermaster's finances is, "Is the Watermaster better off or worse off as a result of this year's activities?" The Statement of Net Position and the Statement of Revenues, Expenses and Changes in Net Position report information about the Watermaster in a way that helps answer this question.

These statements include all assets, deferred outflows of resources, liabilities and deferred inflows of resources using the *accrual basis of accounting*, which is similar to the accounting method used by most private sector companies. All of the current year's revenues and expenses are taken into account regardless of when the cash is received or paid.

These two statements report the Watermaster's *net position* and changes in net position. You can think of the Watermaster's net position – the difference between assets and liabilities – as one way to measure the Watermaster's financial health, or *financial position*. Over time, *increases or decreases* in the Watermaster's net position are one indicator of whether its *financial health* is improving or deteriorating. However, one will need to consider other non-financial factors such as changes in economic conditions, population growth, zoning and new or changed government legislation, such as changes in Federal and State water quality standards.

Notes to the Basic Financial Statements

The notes provide additional information that is essential to a full understanding of the data provided in the basic financial statements.

Statements of Net Position

	Condensed Statements of Net Position				
	2019	2018	Change	2017	Change
Assets					
Current assets	\$ 2,199,549	\$ 1,601,022	\$ 598,527	\$ 1,407,225	\$ 193,797
Non-current assets	2,397	-	2,397	-	-
Total assets	<u>2,201,946</u>	<u>1,601,022</u>	<u>600,924</u>	<u>1,407,225</u>	<u>193,797</u>
Liabilities					
Current liabilities	<u>1,158,797</u>	<u>227,463</u>	<u>931,334</u>	<u>129,366</u>	<u>98,097</u>
Total liabilities	<u>1,158,797</u>	<u>227,463</u>	<u>931,334</u>	<u>129,366</u>	<u>98,097</u>
Net position					
Restricted	<u>1,043,149</u>	<u>1,373,559</u>	<u>(330,410)</u>	<u>1,277,859</u>	<u>95,700</u>
Total net position	<u>\$ 1,043,149</u>	<u>\$ 1,373,559</u>	<u>\$ (330,410)</u>	<u>\$ 1,277,859</u>	<u>\$ 95,700</u>

As noted earlier, net position may serve over time as a useful indicator of a government's financial position. In the case of the Watermaster, assets of the Watermaster exceeded liabilities by \$1,043,149 and \$1,373,559 as of June 30, 2019 and 2018, respectively, which are restricted for the Biological Resources Trust Fund, Watermaster administrative costs, replacement water and make-up water. The sources that feed each of these funds are dictated by the Judgment. Uses of these funds can only be used for the purpose stated in the Judgment.

Mojave Basin Area Watermaster
Management's Discussion and Analysis
For the Fiscal Year Ended June 30, 2019

Statements of Revenues, Expenses and Changes in Net Position

Condensed Statements of Revenues, Expenses and Changes in Net Position					
	2019	2018	Change	2017	Change
Revenue:					
Operating revenues	\$ 1,392,018	\$ 628,328	\$ 763,690	\$ 556,395	\$ 71,933
Non-operating revenues	31,125	17,397	13,728	62,749	(45,352)
Total revenues	<u>1,423,143</u>	<u>645,725</u>	<u>777,418</u>	<u>619,144</u>	<u>26,581</u>
Expense:					
Operating expense	1,466,170	497,210	968,960	463,091	34,119
Non-operating expenses	287,383	52,815	234,568	13,220	39,595
Total expenses	<u>1,753,553</u>	<u>550,025</u>	<u>1,203,528</u>	<u>476,311</u>	<u>73,714</u>
Change in net position	(330,410)	95,700	(426,110)	142,833	(47,133)
Net position, beginning of year	<u>1,373,559</u>	<u>1,277,859</u>	<u>95,700</u>	<u>1,135,026</u>	<u>142,833</u>
Net position, end of year	<u>\$ 1,043,149</u>	<u>\$ 1,373,559</u>	<u>\$ (330,410)</u>	<u>\$ 1,277,859</u>	<u>\$ 95,700</u>

The statement of revenues, expenses and changes in net position show how the Watermaster's net position changed during the fiscal years. In the case of the Watermaster, net position decreased by \$330,410 for the fiscal year ended June 30, 2019, as result of ongoing operations. For the fiscal year ended June 30, 2018, net position increased by \$95,700 as a result of ongoing operations.

A closer examination of the sources of changes in net position reveals that:

In fiscal year 2019, the Watermaster's total revenues increased 120%, or \$777,418, to \$1,423,143 due to a decrease of \$45,277 in Administrative and Biological assessments which was offset by an increase of \$806,148 in Replacement assessments and \$16,167 increase in investment earnings. In fiscal year 2018, the Watermaster's total revenues increased 4%, or \$26,581, to \$645,725 due to a \$71,933 increase in operating revenue and a \$45,352 decrease in non-operating revenue.

In fiscal year 2019, the Watermaster's total expenses increased 219%, or \$1,203,528, to \$1,753,553 due to an increase of \$808,379 in State Water Project importation charges, an increase of \$128,576 in administrative expenses primarily due to court proceedings in relation to ramp down, as well as, an increase in non-operating expenses of \$234,568 due to a withdrawal from the Biological trust fund. In fiscal year 2018, the Watermaster's total expenses increased 15%, or \$73,714, to \$550,025 primarily due to an increase in State Water Project importation charges and an increase in non-operating expenses.

Conditions Affecting Current Financial Position

Management is unaware of any conditions which could have a significant impact on the Watermaster's current financial position, net position or operating results based on past, present and future events.

Requests for Information

This financial report is designed to provide the Watermaster's funding sources, customers, stakeholders and other interested parties with an overview of the Watermaster's financial operations and financial condition. Should the reader have questions regarding the information included in this report or wish to request additional financial information, please contact the Mojave Water Agency's Chief Financial Officer at 13846 Conference Center Drive, Apple Valley, CA 92307.

Basic Financial Statements

Mojave Basin Area Watermaster
Statements of Net Position
June 30, 2019 (with comparative data for 2018)

	2019	2018
ASSETS		
Current assets:		
Restricted - cash and cash equivalents (Note 2)	\$ 1,319,372	\$ 1,518,504
Accrued interest receivable	7,865	4,453
Accounts receivable - Administrative assessments	6,593	5,914
Accounts receivable - Biological assessments	1,688	1,314
Accounts receivable - Replacement assessments	862,376	67,791
Accounts receivable - Make-up assessments	1,655	3,046
	<hr/>	<hr/>
Total current assets	2,199,549	1,601,022
	<hr/>	<hr/>
Non-current assets:		
Accounts receivable - Administrative assessments	1,406	-
Accounts receivable - Biological assessments	213	-
Accounts receivable - Make-up assessments	778	-
	<hr/>	<hr/>
Total non-current assets	2,397	-
	<hr/>	<hr/>
Total assets	2,201,946	1,601,022
	<hr/>	<hr/>
LIABILITIES		
Current liabilities:		
Accounts payable - Administrative	133,526	99,063
Accounts payable - Biological	138,834	52,789
Accounts payable - Replacement	876,760	69,974
Accounts payable - Make-up	9,677	5,637
	<hr/>	<hr/>
Total current liabilities	1,158,797	227,463
	<hr/>	<hr/>
Total liabilities	1,158,797	227,463
	<hr/>	<hr/>
NET POSITION		
Restricted for watermaster (Note 3)	1,043,149	1,373,559
	<hr/>	<hr/>
Total net position	\$ 1,043,149	\$ 1,373,559
	<hr/>	<hr/>

See accompanying notes to the basic financial statements.

Mojave Basin Area Watermaster**Statements of Revenues, Expenses and Changes in Net Position****For the Fiscal Year Ended June 30, 2019 (with comparative data for 2018)**

	2019	2018
OPERATING REVENUES		
Administrative assessments	\$ 401,915	\$ 436,863
Biological assessments	106,220	116,549
Replacement assessments	875,092	68,944
Make-up assessments	8,791	5,972
Total operating revenues	1,392,018	628,328
OPERATING EXPENSES		
State Water Project importation charges:		
Replacement charges	875,092	69,640
Make-up charges	9,003	6,075
Operating costs	582,075	421,495
Total operating expenses	1,466,170	497,210
Operating income	(74,152)	131,118
NONOPERATING REVENUES (EXPENSES)		
Investment earnings	28,670	12,503
Administrative revenue	2,455	4,894
Administrative expense	-	(26)
Biological expense	(287,383)	(52,789)
Total nonoperating revenues (expenses)	(256,258)	(35,418)
Change in net position	(330,410)	95,700
Net position, beginning of year	1,373,559	1,277,859
Net position, end of year	\$ 1,043,149	\$ 1,373,559

See accompanying notes to the basic financial statements.

Mojave Basin Area Watermaster**Statements of Cash Flows****For the Fiscal Year Ended June 30, 2019 (with comparative data for 2018)**

	<u>2019</u>	<u>2018</u>
Cash flows from operating activities:		
Cash receipts from customers and others	\$ 595,374	\$ 578,023
Cash paid to vendors and suppliers	(499,215)	(158,485)
Cash paid to employees for salaries and wages	<u>(320,549)</u>	<u>(288,549)</u>
Net cash provided (used) by operating activities	<u>(224,390)</u>	<u>130,989</u>
Cash flows from investing activities:		
Investment earnings	<u>25,258</u>	<u>10,186</u>
Net cash provided by investing activities	<u>25,258</u>	<u>10,186</u>
Net increase (decrease) in cash and cash equivalents	(199,132)	141,175
Cash and investments, beginning of year	<u>1,518,504</u>	<u>1,377,329</u>
Cash and investments, end of year	<u><u>\$ 1,319,372</u></u>	<u><u>\$ 1,518,504</u></u>
Reconciliation to the Statement of Net Position:		
Restricted - cash and cash equivalents	<u>\$ 1,319,372</u>	<u>\$ 1,518,504</u>
Total cash and investments	<u><u>\$ 1,319,372</u></u>	<u><u>\$ 1,518,504</u></u>

(Continued on next page)

Mojave Basin Area Watermaster
Statements of Cash Flows, continued
For the Fiscal Year Ended June 30, 2019 (with comparative data for 2018)

	<u>2019</u>	<u>2018</u>
Reconciliation of operating income (loss) to net cash provided (used) by operating activities		
Operating income (loss)	\$ (74,152)	\$ 131,118
Adjustments to reconcile operating income (loss) to net cash provided (used) by operating activities:		
Nonoperating revenues	2,455	4,894
Nonoperating expenses	(287,383)	(52,815)
Changes in assets and liabilities:		
(Increase) Decrease in assets:		
Accounts receivable - Administrative assessments	(2,085)	4,810
Accounts receivable - Biological assessments	(587)	1,181
Accounts receivable - Replacement assessments	(794,585)	(54,576)
Accounts receivable - Make-up assessments	613	(1,720)
Increase (Decrease) in liabilities:		
Accounts payable - Administrative	34,463	2,677
Accounts payable - Biological	86,045	41,395
Accounts payable - Replacement	806,786	53,615
Accounts payable - Make-up	4,040	410
Total adjustments	<u>(150,238)</u>	<u>(129)</u>
Net cash provided (used) by operating activities	<u>\$ (224,390)</u>	<u>\$ 130,989</u>
Noncash activities		
None		

See accompanying notes to the basic financial statements.

Note 1: Reporting Entity and Summary of Significant Accounting Policies

A. Organization and Operations of the Reporting Entity

The Mojave Water Agency (Agency) was organized July 21, 1960, by an act of the legislature of the State of California known as the Mojave Water Agency Act. Within the limits of its power and authority set forth in this act, the purpose of the Agency is to do any and every act necessary so that sufficient water may be available for any present or future beneficial use of lands and inhabitants of the Agency, including, but not limited to, construction, maintenance, alteration, purchase, and operation of any and all works or improvements within the Agency necessary or proper to carry out any object or purpose of this act; and the gathering of data for, and the development and implementation of, after consultation and coordination with all public and private water entities who are in any way affected, management and master plans to mitigate the cumulative overdraft of groundwater basins, to monitor the condition of the groundwater basins, to pursue all necessary water conservation measures, and to negotiate for additional water supplies from all state, federal, and local sources. The Agency is governed by a seven-member Board of Directors who serves overlapping four-year terms.

In 1994, to administer the provisions of the groundwater adjudication judgment, the Superior Court of Riverside appointed the Agency as the Mojave Basin Area Watermaster (Watermaster) and ordered the Watermaster to formulate a plan and program for management of the Basin's resources. Although the Watermaster is legally separate, it is included as a blended component unit of the Agency, as it is in substance part of the Agency's operations as it is governed by the same Board of Directors. Complete financial statements for the Agency are available at the Agency's office or upon request of the Agency's Chief Financial Officer at 13846 Conference Center Drive, Apple Valley, CA 92307.

B. Basis of Accounting and Measurement Focus

The Watermaster reports its activities as an enterprise fund, which is used to account for operations that are financed and operated in a manner similar to a private business enterprise, where the intent of the Watermaster is that the costs of delivering wholesale water to its service area on a continuing basis be financed or recovered primarily through user charges (assessments). Revenues and expenses are recognized on the full accrual basis of accounting. Revenues are recognized in the accounting period in which they are earned and expenses are recognized in the period incurred, regardless of when the related cash flows take place.

Operating revenues and expenses, such as Watermaster assessments, result from exchange transactions associated with the principal activity of the Agency. Exchange transactions are those in which each party receives and gives up essentially equal values. The principal operating revenues of the Watermaster are water sales (assessments) to member water right holders. Management, administration and depreciation expenses are also considered operating expenses. Other revenues and expenses not included in the above categories are reported as non-operating revenues and expenses.

C. Financial Reporting

The Watermaster's basic financial statements have been prepared in conformity with accounting principles generally accepted in the United States of America (GAAP), as applied to enterprise funds. The Governmental Accounting Standards Board (GASB) is the accepted standard-setting body for establishing governmental accounting and financial reporting principles. The Watermaster solely operates as a special-purpose government which means it is only engaged in business-type activities; accordingly, activities are reported in the Watermaster's proprietary fund.

Note 1: Reporting Entity and Summary of Significant Accounting Policies, continued

D. Assets, Liabilities, and Net Position

Use of Estimates

The preparation of the basic financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements and the reported changes in net position during the reporting period. Actual results could differ from those estimates.

Cash and Cash Equivalents

Substantially all of the Watermaster's cash is invested in interest bearing accounts. The Watermaster considers all highly liquid investments with a maturity of three months or less to be cash equivalents.

Investments

Changes in fair value that occur during a fiscal year are recognized as investment income reported for that fiscal year. Investment income includes interest earnings, changes in fair value, and any gains or losses realized upon the liquidation or sale of investments.

Fair Value Measurements

The Watermaster categorizes its fair value measurements within the fair value hierarchy established by generally accepted accounting principles. The hierarchy is based on valuation inputs used to measure the fair value of the asset, as follows:

- Level 1 – Valuation is based on quoted prices in active markets for identical assets.
- Level 2 – Valuation is based on directly observable and indirectly observable inputs. These inputs are derived principally from or corroborated by observable market data through correlation or market-corroborated inputs. The concept of market-corroborated inputs incorporates observable market data such as interest rates and yield curves that are observable at commonly quoted intervals.
- Level 3 – Valuation is based on unobservable inputs where assumptions are made based on factors such as prepayment rates, probability of defaults, loss severity and other assumptions that are internally generated and cannot be observed in the market.

Accounts Receivable and Allowance for Uncollectible Accounts

The Watermaster extends credit to customers in the normal course of operations. When management deems customer accounts uncollectible, the Watermaster uses the allowance method for the reservation and write-off of those accounts.

Note 1: Reporting Entity and Summary of Significant Accounting Policies, continued

Net Position

The financial statements utilize a net position presentation. Net position is categorized as follows:

- Net Investment in Capital Assets – This component of net position consists of capital assets, net of accumulated depreciation and reduced by any debt outstanding against the acquisition, construction or improvement of those assets.
- Restricted – This component of net position consists of constraints placed on net position use through external constraints imposed by creditors (such as through debt covenants), grantors, contributors, or laws or regulations of other governments or constraints imposed by law through constitutional provisions or enabling legislation.
- Unrestricted – This component of net position consists of net position that does not meet the definition of *restricted* net position or *net investment in capital assets*.

Reclassification

The Watermaster has reclassified certain prior year information to conform with current year presentation, with no effect on net position.

Note 2: Cash and Cash Equivalents

Investment in State Investment Pool

The Watermaster is a voluntary participant in the Local Agency Investment Fund (LAIF) that is regulated by the California Government Code under the oversight of the Treasurer of the State of California. The fair value of the Watermaster's investment in this pool is reported in the accompanying financial statements at amounts based upon the Agency's pro-rata share of the fair value provided by LAIF for the entire LAIF portfolio (in relation to the amortized cost of that portfolio). The balance available for withdrawal is based on the accounting records maintained by LAIF, which are recorded on an amortized cost basis.

The Watermaster's deposit and withdrawal restrictions and limitations are as follows:

- Same day transaction processing occurs for orders received before 10:00 a.m.
- Next day transactions processing occurs for orders received after 10:00 a.m.
- Maximum limit of 15 transactions (combination of deposits and withdrawals) per month.
- Minimum transaction amount requirement of \$5,000, in increments of a \$1,000 dollars.
- Withdrawals of \$10,000,000 or more require 24 hours advance notice.
- Prior to funds transfer, an authorized person must call LAIF to do a verbal transaction.

Mojave Basin Area Watermaster
Notes to the Financial Statements
For the Fiscal Year Ended June 30, 2019 (with comparative data for 2018)

Note 2: Cash and Cash Equivalents, continued

Custodial Credit Risk

Custodial credit risk for *deposits* is the risk that, in the event of the failure of a depository financial institution, a government will not be able to recover its deposits or will not be able to recover collateral securities that are in the possession of an outside party. The California Government Code and the Watermaster's investment policy does not contain legal or policy requirements that would limit the exposure to custodial credit risk for deposits, other than the following provision for deposits:

The California Government Code requires that a financial institution secure deposits made by state or local governmental units by pledging securities in an undivided collateral pool held by a depository regulated under state law (unless so waived by the governmental unit). The market value of the pledged securities in the collateral pool must equal at least 110% of the total amount deposited by the public agencies. Of the bank balances, up to \$250,000 is federally insured and the remaining balance is collateralized in accordance with the Code; however, the collateralized securities are not held in the Watermaster's name.

Cash and cash equivalents as of June 30, are classified in the accompanying financial statements as follows:

	2019	2018
Restricted - cash and cash equivalents:		
Administrative	\$ 235,918	\$ 375,588
Biological resources trust	679,930	762,811
Replacement water	391,835	372,979
Make-up water	11,689	7,126
	<u>1,319,372</u>	<u>1,518,504</u>
Total cash and investments	<u>\$ 1,319,372</u>	<u>\$ 1,518,504</u>

Cash and cash equivalents as of June 30, consist of the following:

	2019	2018
Demand deposits with financial institutions	\$ 192,357	\$ 581,747
Local Agency Investment Fund (LAIF)	1,127,015	936,757
	<u>1,319,372</u>	<u>1,518,504</u>
Total cash and investments	<u>\$ 1,319,372</u>	<u>\$ 1,518,504</u>

At June 30, the Watermaster's authorized deposits had the following maturities:

	2019	2018
Deposits held with California Local Agency Investment Fund (LAIF)	173 days	193 days

The custodial credit risk for investments is the risk that, in the event of the failure of the counterparty (e.g., broker-dealer) to a transaction, a government will not be able to recover the value of its investment or collateral securities that are in the possession of another party. The Code and the Watermaster's investment policy contain legal and policy requirements that would limit the exposure to custodial credit risk for investments. With respect to investments, custodial credit risk generally applies only to direct investments in marketable securities. Custodial credit risk does not apply to a local government's indirect investment in securities through the use of mutual funds or government investment pools (such as LAIF).

Note 2: Cash and Investments, continued

Interest Rate Risk

Interest rate risk is the risk that changes in market interest rates will adversely affect the fair value of an investment. Generally, the longer the maturity of an investment the greater the sensitivity of its fair value to changes in market interest rates. One of the ways that the Watermaster manages its exposure to interest rate risk is by purchasing a combination of shorter term and longer term investments and by timing cash flows from maturities so that a portion of the portfolio matures or comes close to maturity evenly over time as necessary to provide for cash flow requirements and liquidity needed for operations.

Credit Risk

Credit risk is the risk that an issuer of an investment will not fulfill its obligation to the holder of the investment. This is measured by the assignment of a rating by a nationally recognized statistical rating organization. LAIF is not rated.

Concentration of Credit Risk

The investment policy of the Watermaster contains no limitations on the amount that can be invested in any one issuer beyond that stipulated by the California Government Code. At June 30, 2019 and 2018, the Watermaster did not hold any investments in any one issuer (other than external pools) that represent 5% or more of total Watermaster investments.

Note 3: Net Position

Calculation of net position as of June 30, was as follows:

	2019	2018
Restricted net position:		
Administrative	\$ 118,257	\$ 286,891
Biological resources trust	542,998	711,337
Replacement water	377,451	370,796
Make-up water	4,443	4,535
	<hr/>	<hr/>
Total restricted net position	<u>\$ 1,043,149</u>	<u>\$ 1,373,559</u>

Note 4: Risk Management

The Watermaster is exposed to various risks of loss related to torts, theft of, damage to and destruction of assets; errors and omissions; injuries to employees; and natural disasters. The Watermaster is a member of the Association of California Water Agencies/Joint Powers Insurance Authority (ACWA/JPIA), an intergovernmental risk sharing joint powers authority created to provide self-insurance programs for California water agencies. The purpose of the ACWA/JPIA is to arrange and administer programs of self-insured losses and to purchase excess insurance coverage.

At June 30, 2019, the Watermaster participates in the ACWA/JPIA pooled programs for liability, and property programs as follows:

- General and auto liability, public officials and employees' errors and omissions: Total risk financing self-insurance limits of \$5,000,000 per occurrence. The ACWA/JPIA purchased additional excess coverage layers: \$55 million for general, auto and public officials liability, which increases the limits on the insurance coverage noted above.

In addition, the Watermaster also has the following insurance coverage:

- Crime coverage up to \$100,000 per loss includes public employee dishonesty, depositor's forgery or alteration, theft, computer and funds transfer fraud coverage's, subject to \$1,000 deductible per loss.
- Property loss is paid at the replacement cost for property on file, if replaced within two years after the loss, otherwise paid on an actual cash value basis, to a combined total of \$150 million per loss, subject to a \$1,000 deductible per loss. Mobile equipment and vehicles, on file, are paid on actual cost value basis at time of loss and subject to \$1,000 deductible per loss.
- Boiler and machinery coverage for the replacement cost up to \$150 million per occurrence, subject to various deductibles depending on the type of equipment, on file.

The Watermaster has purchased workers' compensation insurance coverage for injuries to employees through the Special District Risk Management Association (SDRMA), an intergovernmental risk sharing joint powers authority created to provide self-insurance programs for California special districts. The purpose of the SDRMA is to arrange and administer programs of self-insured losses and to purchase excess insurance coverage. At June 30, 2019, the Watermaster participated in the workers' compensation programs of the SDRMA as follows:

- Workers' compensation coverage up to California statutory limits for all work related injuries/illnesses covered by California law and employers liability limit of \$5,000,000 per occurrence.

Settled claims have not exceeded any of the coverage amounts in any of the last three fiscal years and there were no reductions in the Watermaster's insurance coverage during the years ending June 30, 2019, 2018 and 2017. Liabilities are recorded when it is probable that a loss has been incurred and the amount of the loss can be reasonably estimated net of the respective insurance coverage. Liabilities include an amount for claims that have been incurred but not reported (IBNR). There were no IBNR claims payable as of June 30, 2019, 2018, and 2017, respectively

Note 5: Litigation

In the ordinary course of operations, the Watermaster is subject to claims and litigation from outside parties. After consultation with legal counsel, the Watermaster believes the ultimate outcome of such matters, if any, will not materially affect its financial condition.

Report on Internal Controls and Compliance



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REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH GOVERNMENT AUDITING STANDARDS

Independent Auditor's Report

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California Society of
Certified Public Accountants



Board of Directors
Mojave Basin Area Watermaster
Apple Valley, California

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the Mojave Basin Area Watermaster (the Watermaster) as of and for the year ended June 30, 2019, and the related notes to the financial statements, which collectively comprise the Watermaster's basic financial statements, and have issued our report thereon dated October 22, 2019.

Internal Control over Financial Reporting

In planning and performing our audit of the financial statements, we considered the Watermaster's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the Watermaster's internal control. Accordingly, we do not express an opinion on the effectiveness of the Watermaster's internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees in the normal course of performing their assigned functions, to prevent, or detect and correct misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control over financial reporting was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over financial reporting that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control over financial reporting that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the Watermaster's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit and, accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Rogers, Anderson, Malody & Scott, LLP.

San Bernardino, California
October 22, 2019

APPENDIX H

FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2019-20

AND PROPOSED FREE PRODUCTION ALLOWANCE

FOR WATER YEAR 2020-21

APPENDIX H

AUGUST 13, 2020

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2019-20
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
(ALL AMOUNTS IN ACRE-FEET)**

**REVISED
by Court Order
of 6/11/20 and 8/13/20**

PRODUCER	BASE ANNUAL PRODUCTION	2019-20 FREE PRODUCTION ALLOWANCE ¹				2020-21 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
ABDUL, HARRY AND ANITA	194	156	146	75%	302	136	70%
ABSHIRE, DAVID V.	24	2	18	75%	20	17	70%
AHN REVOCABLE LIVING TRUST	0	0	0	75%	0	0	70%
AHN REVOCABLE TRUST	28	23	21	75%	44	20	70%
AHN, CHUN SOO AND DAVID	400	320	300	75%	620	280	70%
ANDERSON, ROSS C. AND BETTY J.	34	28	26	75%	54	24	70%
AVILA, ANGEL AND EVALIA	573	459	430	75%	889	402	70%
BAR H MUTUAL WATER COMPANY	53	43	40	75%	83	38	70%
BELL, CHARLES H. TRUST DATED MARCH 7, 2014	494	396	371	75%	767	346	70%
BRACHT, WILLIAM F. AND ALEXANDER, ALICIA M.	50	13	38	75%	51	35	70%
CASA COLINA FOUNDATION	90	72	68	75%	140	63	70%
CENTER WATER COMPANY	40	32	30	75%	62	28	70%
CHUNG, ET AL.	0	0	0	75%	0	0	70%
CLUB VIEW PARTNERS	1,276	1,021	957	75%	1,978	894	70%
CROSS, SHARON I.	23	19	18	75%	37	17	70%
DACOSTA, DEAN EDWARD	56	45	42	75%	87	40	70%
DAHLQUIST, GEORGE R.	524	420	393	75%	813	367	70%
DESERT DAWN MUTUAL WATER COMPANY	15	0	12	75%	12	11	70%
DESERT SPRINGS MUTUAL WATER COMPANY	78	63	59	75%	122	55	70%
DJC CORPORATION	0	0	0	75%	0	0	70%
GABRYCH, EUGENE	2,201	1,761	1,651	75%	3,412	1,541	70%
GAETA, MIGUEL AND MARIA	1,500	1,200	1,125	75%	2,325	1,050	70%
GAETA, TRINIDAD	512	410	384	75%	794	359	70%
GARDENA MISSION CHURCH, INC.	0	0	0	75%	0	0	70%
GAYJIKIAN, SAMUEL AND HAZEL	102	82	77	75%	159	72	70%
GOLDEN STATE WATER COMPANY	178	143	134	75%	277	125	70%
GORDON ACRES WATER COMPANY	54	44	41	75%	85	38	70%
GUBLER, HANS	30	24	23	75%	47	21	70%

APPENDIX H

AUGUST 13, 2020

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2019-20
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
(ALL AMOUNTS IN ACRE-FEET)**

**REVISED
by Court Order
of 6/11/20 and 8/13/20**

PRODUCER	BASE ANNUAL PRODUCTION	2019-20 FREE PRODUCTION ALLOWANCE ¹				2020-21 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
HAL-DOR LTD.	0	0	0	75%	0	0	70%
HARVEY, LISA M.	300	240	225	75%	465	210	70%
HERT, SCOTT	276	218	207	75%	425	194	70%
HI-GRADE MATERIALS COMPANY	442	354	332	75%	686	310	70%
HITCHIN LUCERNE, INC.	16	13	12	75%	25	12	70%
JONES TRUST DATED MARCH 16, 2002 (FORMERLY: DJC CORPORATION)	89	72	67	75%	139	63	70%
JUBILEE MUTUAL WATER COMPANY	142	50	107	75%	157	100	70%
JUNIPER RIVIERA COUNTY WATER DISTRICT	37	0	28	75%	28	26	70%
KIM, JU SANG	30	24	23	75%	47	21	70%
LEE, ANNA K. AND ESHBAN K.	33	27	25	75%	52	24	70%
LEE, DOO HWAN	78	63	59	75%	122	55	70%
LOPEZ, BALTAZAR	385	308	289	75%	597	270	70%
LUA, MICHAEL T. AND DONNA S.	348	279	261	75%	540	244	70%
LUCERNE VALLEY MUTUAL WATER COMPANY	54	44	41	75%	85	38	70%
LUCERNE VALLEY PARTNERS	1,213	971	910	75%	1,881	850	70%
LUCERNE VISTA MUTUAL WATER COMPANY	21	16	16	75%	32	15	70%
M.B. LANDSCAPING AND NURSERY, INC.	1,773	1,419	1,330	75%	2,749	1,242	70%
MITSUBISHI CEMENT CORPORATION	1,395	1,116	1,047	75%	2,163	977	70%
MONACO INVESTMENT COMPANY	70	56	53	75%	109	49	70%
MOSS, LAWRENCE W. AND HELEN J.	43	34	33	75%	67	31	70%
NORRIS TRUST, MARY ANN	73	59	55	75%	114	52	70%
OASIS WORLD MISSION	0	0	0	75%	0	0	70%
OMYA CALIFORNIA, INC.	23	0	18	75%	18	17	70%
PAK, KAE SOO AND MYONG HUI KANG	247	198	186	75%	384	173	70%
PETTIGREW, DAN	22	18	17	75%	35	16	70%
PETTIGREW, JAMES AND CHERLYN	500	400	375	75%	775	350	70%
REED, MIKE	58	47	44	75%	91	41	70%

APPENDIX H

AUGUST 13, 2020

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2019-20
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
(ALL AMOUNTS IN ACRE-FEET)**

**REVISED
by Court Order
of 6/11/20 and 8/13/20**

PRODUCER	BASE ANNUAL PRODUCTION	2019-20 FREE PRODUCTION ALLOWANCE ¹				2020-21 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
RHEE, ANDREW N. (FORMERLY: DAHLQUIST, GEORGE R.)	70	33	53	75%	86	49	70%
ROBERTSON'S READY MIX	0	0	0	75%	0	0	70%
ROYAL WAY	200	160	150	75%	310	140	70%
S AND E 786 ENTERPRISES, LLC	597	478	448	75%	926	418	70%
SABA, SABA A. AND SHIRLEY L.	1,120	896	840	75%	1,736	784	70%
SAN BERNARDINO COUNTY SERVICE AREA 29	40	0	30	75%	30	28	70%
SON'S RANCH	140	112	105	75%	217	98	70%
SPECIALTY MINERALS, INC.	42	0	32	75%	32	30	70%
SPILLMAN, JAMES R. AND NANCY J.	23	19	18	75%	37	17	70%
THE CUSHENBURY TRUST, C/O SPECIALTY MINERALS, INC.	10	8	8	75%	16	7	70%
WEISER, ET AL.	90	0	68	75%	68	63	70%
WEST END MUTUAL WATER COMPANY	30	22	23	75%	45	21	70%
WILSHIRE ROAD PARTNERS	692	554	519	75%	1,073	485	70%
TOTAL	19,251	15,084	14,458		29,542	13,499	

APPENDIX H

AUGUST 13, 2020

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2019-20
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
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**REVISED
by Court Order
of 6/11/20 and 8/13/20**

PRODUCER	BASE ANNUAL PRODUCTION	2019-20 FREE PRODUCTION ALLOWANCE ¹				2020-21 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
AEROCHEM, INC.	660	528	495	75%	1,023	429	65%
CHAMISAL MUTUAL WATER COMPANY	96	52	72	75%	124	63	65%
HANDRINOS, NICOLE A.	7	6	6	75%	12	5	65%
HETTINGA REVOCABLE TRUST	1,256	440	942	75%	1,382	817	65%
PHELAN PIÑON HILLS COMMUNITY SERVICES DISTRICT (SEE NOTE 3)	4,680	3,744	3,510	75%	7,254	3,042	65%
TROEGER FAMILY TRUST, RICHARD H.	112	90	84	75%	174	73	65%
TOTAL	6,811	4,860	5,109		9,969	4,429	

APPENDIX H

AUGUST 13, 2020

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2019-20
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
(ALL AMOUNTS IN ACRE-FEET)**

**REVISED
by Court Order
of 6/11/20 and 8/13/20**

ALTO SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2019-20 FREE PRODUCTION ALLOWANCE ¹				2020-21 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
ADELANTO, CITY OF	5,182	0	2,851	55%	2,851	2,851	55%
ADES, JOHN AND DEVON	37	25	28	75%	53	25	65%
AGCON, INC.	384	0	212	55%	212	212	55%
AMERICAN STATES WATER COMPANY	1,000	600	550	55%	1,150	550	55%
APPLE VALLEY FOOTHILL COUNTY WATER DISTRICT	167	30	92	55%	122	92	55%
APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT	125	3	69	55%	72	69	55%
APPLE VALLEY UNIFIED SCHOOL DISTRICT	0	0	0	55%	0	0	55%
APPLE VALLEY VIEW MUTUAL WATER COMPANY	36	0	20	55%	20	20	55%
APPLE VALLEY, TOWN OF	1,082	650	596	55%	1,246	596	55%
BASS TRUST, NEWTON T.	514	409	386	75%	795	335	65%
BASTIANON REVOCABLE TRUST	77	61	58	75%	119	51	65%
BEEBE, ROBERT W. AND DOROTHY K.	6	5	5	75%	10	4	65%
BEINSCHROTH FAMILY TRUST	670	528	503	75%	1,031	436	65%
BEINSCHROTH FAMILY TRUST	25	20	19	75%	39	17	65%
BOX, GEARY S. AND LAURA	22	13	17	75%	30	15	65%
BROWN, BOBBY G. AND VALERIA R.	42	33	32	75%	65	28	65%
BROWN, JENNIFER	41	27	31	75%	58	27	65%
BRUNEAU, KAREN	10	8	8	75%	16	7	65%
BRYANT, IAN	29	24	22	75%	46	19	65%
BUNNELL, DICK	24	18	18	75%	36	16	65%
CALMAT COMPANY	25	11	14	55%	25	14	55%
CALPORTLAND COMPANY - AGRICULTURE	643	515	483	75%	998	418	65%
CALPORTLAND COMPANY - ORO GRANDE PLANT	2,809	1,088	1,545	55%	2,633	1,545	55%
CDFW - MOJAVE NARROWS REGIONAL PARK	2,107	0	1,159	55%	1,159	1,159	55%
CDFW - MOJAVE RIVER FISH HATCHERY	20	0	15	75%	15	13	65%
CEMEX, INC.	1,499	0	825	55%	825	825	55%
DLW REVOCABLE TRUST	70	56	53	75%	109	46	65%
DOLCH, ROBERT AND JUDY	100	76	75	75%	151	65	65%

APPENDIX H

AUGUST 13, 2020

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2019-20
AND
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(ALL AMOUNTS IN ACRE-FEET)**

**REVISED
by Court Order
of 6/11/20 and 8/13/20**

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		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
DORA LAND, INC.	15	12	12	75%	24	10	65%
EAST DESERT LAND COMPANY, LLC	0						
EVENSON, EDWIN H. AND JOYCELAINE C.	70	56	53	75%	109	46	65%
FEDERAL BUREAU OF PRISONS, VICTORVILLE	686	0	378	55%	378	378	55%
FINCH, JENIFER (FORMERLY: MCINNIS, WILLIAM S.)	30	24	23	75%	47	20	65%
FISCHER REVOCABLE LIVING TRUST	36	28	27	75%	55	24	65%
FISHER TRUST, JEROME R.	633	507	475	75%	982	412	65%
FITZWATER, R. E. (SEE NOTE 4)	291						
FRAZIER, ET AL.	50	40	38	75%	78	33	65%
GOLDEN STATE WATER COMPANY	940	0	517	55%	517	517	55%
GREEN ACRES ESTATES	25	15	14	55%	29	14	55%
GULBRANSON, MERLIN	5	4	4	75%	8	4	65%
HAAS, BRYAN C. AND HINKLE, MARY H.	9	8	7	75%	15	6	65%
HALANNA EQUITIES III	19	12	15	75%	27	13	65%
HAMILTON FAMILY TRUST	108	72	81	75%	153	71	65%
HELENDALE COMMUNITY SERVICES DISTRICT	3,999	1,041	2,200	55%	3,241	2,200	55%
HELENDALE SCHOOL DISTRICT	18	11	10	55%	21	10	55%
HESPERIA - GOLF COURSE, CITY OF	678	0	373	55%	373	373	55%
HESPERIA VENTURE I, LLC	0	0	0	75%	0	0	65%
HESPERIA WATER DISTRICT	14,171	0	7,795	55%	7,795	7,795	55%
HESPERIA, CITY OF	6,736	4,042	3,705	55%	7,747	3,705	55%
HI-GRADE MATERIALS COMPANY	149	72	82	55%	154	82	55%
HOLWAY JEFFREY R AND PATRICIA GAGE	8	7	6	75%	13	6	65%
HOLWAY, JEFFREY R	11	9	9	75%	18	8	65%
HUNT, CONNIE	66	53	50	75%	103	43	65%
JAMBOREE HOUSING CORPORATION	0	0	0	55%	0	0	55%
JESS RANCH WATER COMPANY	7,230	3,354	3,977	55%	7,331	3,977	55%

APPENDIX H

AUGUST 13, 2020

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2019-20
AND
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**REVISED
by Court Order
of 6/11/20 and 8/13/20**

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		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
JOHNSON, CARLEAN	23	0	18	75%	18	15	65%
JOHNSON, RONALD	31	25	24	75%	49	21	65%
JOHNSTON, HARRIET AND JOHNSTON, LAWRENCE W.	127	99	96	75%	195	83	65%
KANESAKA, KENJI AND YUKARI	0	0	0	75%	0	0	65%
KEMPER CAMPBELL RANCH	473	314	355	75%	669	308	65%
LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT	658	527	494	75%	1,021	428	65%
LANGLEY, JAMES	5	4	4	75%	8	4	65%
LANGLEY, JAMES - INDUSTRIAL	0	0	0	55%	0	0	55%
LAWSON, ERNEST AND BARBARA	15	11	12	75%	23	10	65%
LENHERT, RONALD AND TONI	37	30	28	75%	58	25	65%
LHC ALLIGATOR, LLC	498	0	374	75%	374	324	65%
LIBERTY UTILITIES (APPLE VALLEY RANCHOS WATER) CORP.	13,610	2,808	7,486	55%	10,294	7,486	55%
LOW, DEAN	199	160	150	75%	310	130	65%
LUCKEY 2010 REVOCABLE TRUST	300	239	225	75%	464	195	65%
MARIANA RANCHOS COUNTY WATER DISTRICT	270	0	149	55%	149	149	55%
MCKINNEY, PAULA	33	27	25	75%	52	22	65%
MLH, LLC	13	4	10	75%	14	9	65%
MOJAVE DESERT LAND TRUST (FORMERLY: WESTERN RIVERS CONSERVENCY)	40	31	30	75%	61	26	65%
MOJAVE WATER AGENCY	0	0	0	55%	0	0	55%
NAVAJO MUTUAL WATER COMPANY	88	53	49	55%	102	49	55%
NUÑEZ, LUIS SEGUNDO	0	0	0	75%	0	0	65%
NUNN FAMILY TRUST	36	28	27	75%	55	24	65%
ORO GRANDE SCHOOL DISTRICT	107	55	59	55%	114	59	55%
PERRY REVOCABLE LIVING TRUST, THOMAS AND PATRICIA	0	0	0	75%	0	0	65%
PHELAN PIÑON HILLS COMMUNITY SERVICES DISTRICT	355	207	196	55%	403	196	55%
PITTMAN, LEROY W.	148	119	111	75%	230	97	65%
POLICH, DONNA	65	52	49	75%	101	43	65%

APPENDIX H

AUGUST 13, 2020

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2019-20
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
(ALL AMOUNTS IN ACRE-FEET)**

**REVISED
by Court Order
of 6/11/20 and 8/13/20**

ALTO SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2019-20 FREE PRODUCTION ALLOWANCE ¹				2020-21 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
RANCHERITOS MUTUAL WATER COMPANY	169	0	93	55%	93	93	55%
RIM PROPERTIES, A GENERAL PARTNERSHIP	9	8	7	75%	15	6	65%
RUE RANCH, INC.	30	15	23	75%	38	20	65%
SAN BERNARDINO COUNTY - HIGH DESERT DETENTION CENTER	0	0	0	55%	0	0	55%
SAN BERNARDINO COUNTY SERVICE AREA 42	465	225	256	55%	481	256	55%
SAN BERNARDINO COUNTY SERVICE AREA 64	3,822	139	2,103	55%	2,242	2,103	55%
SAN BERNARDINO COUNTY SERVICE AREA 70J	1,015	0	559	55%	559	559	55%
SAPP, ROBERT D. AND LEE, TERESA J.	0	0	0	75%	0	0	65%
SCRAY, MICHELLE A. TRUST	15	11	12	75%	23	10	65%
SERVICE ROCK PRODUCTS CORPORATION	20	12	11	55%	23	11	55%
SHEEP CREEK WATER COMPANY	0	0	0	55%	0	0	55%
SILVER LAKES ASSOCIATION	4,987	0	2,743	55%	2,743	2,743	55%
SNOWBALL DEVELOPMENT, INC.	0	0	0	75%	0	0	65%
SPRING VALLEY LAKE ASSOCIATION	3,768	121	2,073	55%	2,194	2,073	55%
SPRING VALLEY LAKE COUNTRY CLUB	977	250	538	55%	788	538	55%
STORM, RANDALL	62	50	47	75%	97	41	65%
SUDMEIER, GLENN W.	20	15	15	75%	30	13	65%
SUMMIT VALLEY RANCH, LLC	57	43	43	75%	86	38	65%
THOMPSON LIVING TRUST, JAMES A. AND SULA B.	418	331	314	75%	645	272	65%
THOMPSON LIVING TRUST, R.L. AND R.A.	2	1	2	75%	3	2	65%
THRASHER, GARY	373	291	280	75%	571	243	65%
THUNDERBIRD COUNTY WATER DISTRICT	118	0	65	55%	65	65	55%
TRANSAMERICA FIN'L SVC - SPEARS, LARRY B. AND ERLINDA	26	21	20	75%	41	17	65%
VANHOOPS HOLDINGS, LP	360	288	270	75%	558	234	65%
VICTOR VALLEY COMMUNITY COLLEGE DISTRICT	240	0	132	55%	132	132	55%
VICTOR VALLEY MEMORIAL PARK	0	0	0	55%	0	0	55%
VICTORVILLE WATER DISTRICT, ID#1	23,020	0	12,661	55%	12,661	12,661	55%
VICTORVILLE WATER DISTRICT, ID#2	2,932	0	1,613	55%	1,613	1,613	55%

APPENDIX H

AUGUST 13, 2020

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2019-20
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(ALL AMOUNTS IN ACRE-FEET)**

ALTO SUBAREA

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		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
VOGLER, ALBERT H.	62	49	47	75%	96	41	65%
WAGNER LIVING TRUST	1,224	980	918	75%	1,898	796	65%
WAKULA FAMILY TRUST	11	8	9	75%	17	8	65%
WARD, KEN AND BARBARA	65	36	49	75%	85	43	65%
WEST, HOWARD AND SUZY	72	58	54	75%	112	47	65%
WEST, JIMMIE E.	10	7	8	75%	15	7	65%
WESTERN WATER COMPANY	15	12	12	75%	24	10	65%
WESTLAND INDUSTRIES, INC.	54	33	30	55%	63	30	55%
WIENER, MELVIN AND MARIAM S.	30	18	17	55%	35	17	55%
WOOD, MICHAEL AND DENISE	0	0	0	75%	0	0	65%
TOTAL	114,308	21,362	64,513		85,875	63,630	

APPENDIX H

AUGUST 13, 2020

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2019-20
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		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT	29	24	22	75%	46	21	70%
AQUA CAPITAL MANAGEMENT, LP	2,106	783	1,580	75%	2,363	1,475	70%
ATCHISON, TOPEKA, SANTA FE RAILWAY COMPANY	120	0	90	75%	90	84	70%
BAR-LEN MUTUAL WATER COMPANY	48	39	36	75%	75	34	70%
BARSTOW COMMUNITY DEVELOPERS, LLC	0	0	0	75%	0	0	70%
BEST, BYRON L.	21	17	16	75%	33	15	70%
BROMMER FAMILY TRUST	361	289	271	75%	560	253	70%
CALMAT COMPANY	0	0	0	75%	0	0	70%
CHAFSA, LARRY R. AND DELINDA C.	46	37	35	75%	72	33	70%
CHOI, YONG IL AND JOUNG AE	38	31	29	75%	60	27	70%
CHONG, JOAN	10	8	8	75%	16	7	70%
CHRISTISON, JOEL	75	60	57	75%	117	53	70%
CONTRATTO, ERSULA	151	120	114	75%	234	106	70%
DARR, JAMES S.	408	327	306	75%	633	286	70%
DE VRIES, NEIL AND MARY FAMILY TRUST	3,800	3,040	2,850	75%	5,890	2,660	70%
DORRANCE, DAVID W. AND TAMELA L.	19	0	15	75%	15	14	70%
EYGNOR, ROBERT E.	50	40	38	75%	78	35	70%
FEDERAL NATIONAL MORTGAGE ASSOCIATION - FANNIE MAE	30	24	23	75%	47	21	70%
FOURFREE USA, INC. (FORMERLY: CHONG, JOAN)	42	34	32	75%	66	30	70%
FRATES, D. COLE	13	0	10	75%	10	10	70%
FRIEND, JOSEPH AND DEBORAH	60	48	45	75%	93	42	70%
GABRYCH, EUGENE	132	106	99	75%	205	93	70%
GAINES FAMILY TRUST, JACK AND MARY	92	74	69	75%	143	65	70%
GOLDEN STATE WATER COMPANY	14,407	11,526	10,806	75%	22,332	10,085	70%
GRILL, NICHOLAS P. AND MILLIE D.	0	0	0	75%	0	0	70%
GUTIERREZ, JOSE AND GLORIA	130	104	98	75%	202	91	70%
HANIFY, MICHAEL D., DBA - WHITE BEAR RANCH	152	39	114	75%	153	107	70%

APPENDIX H

AUGUST 13, 2020

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2019-20
AND
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(ALL AMOUNTS IN ACRE-FEET)**

**REVISED
by Court Order
of 6/11/20 and 8/13/20**

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			ACRE-FEET	PERCENTAGE OF BAP			
HARMSSEN FAMILY TRUST	722	578	542	75%	1,120	506	70%
HARPER LAKE COMPANY VIII	1,433	1,147	1,075	75%	2,222	1,004	70%
HASKINS, JAMES J. (FORMERLY: AQUA CAPITAL MANAGEMENT, LP)	30	0	23	75%	23	21	70%
HELENDALE COMMUNITY SERVICES DISTRICT	219	0	165	75%	165	154	70%
HENSLEY, MARK P.	27	22	21	75%	43	19	70%
HI DESERT MUTUAL WATER COMPANY	34	28	26	75%	54	24	70%
HIGH DESERT ASSOCIATES, INC.	513	411	385	75%	796	360	70%
HI-GRADE MATERIALS COMPANY	0	0	0	75%	0	0	70%
HILL FAMILY TRUST AND HILL'S RANCH, INC.	2,335	1,868	1,752	75%	3,620	1,635	70%
HOWARD, ET AL.	43	35	33	75%	68	31	70%
HUERTA, HECTOR	656	525	492	75%	1,017	460	70%
JONES, JOETTE	22	18	17	75%	35	16	70%
JORDAN FAMILY TRUST	460	364	345	75%	709	322	70%
KASNER FAMILY LIMITED PARTNERSHIP	421	337	316	75%	653	295	70%
KIM, JIN S. AND HYUN H.	190	152	143	75%	295	133	70%
LEE, ET AL., SEPOONG AND WOO POONG	77	62	58	75%	120	54	70%
LEYERLY, GENEVA (SEE NOTE 4)	65						
MCCOLLUM, CHARLES L.	115	92	87	75%	179	81	70%
MEAD FAMILY TRUST	115	92	87	75%	179	81	70%
MOJAVE SOLAR, LLC	5,239	4,192	3,930	75%	8,122	3,668	70%
MOST FAMILY TRUST	56	45	42	75%	87	40	70%
ODESSA WATER DISTRICT	299	240	225	75%	465	210	70%
OHAI, REYNOLDS AND DOROTHY	137	110	103	75%	213	96	70%
OSTERKAMP, GEROLD (SEE NOTE 4)	260						
PACIFIC GAS AND ELECTRIC COMPANY	4,474	3,580	3,356	75%	6,936	3,132	70%
RIOS, MARIANO V.	8	7	6	75%	13	6	70%

APPENDIX H

AUGUST 13, 2020

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2019-20
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
(ALL AMOUNTS IN ACRE-FEET)**

**REVISED
by Court Order
of 6/11/20 and 8/13/20**

PRODUCER	BASE ANNUAL PRODUCTION	2019-20 FREE PRODUCTION ALLOWANCE ¹				2020-21 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
RIVERO, FIDEL V.	20	16	15	75%	31	14	70%
RUISCH TRUST, DALE W. AND NELLIE H.	650	390	488	75%	878	455	70%
RUISCH, ET AL. (SEE NOTE 4)	862						
SERVICE ROCK PRODUCTS CORPORATION	766	613	575	75%	1,188	537	70%
SEXTON, RODNEY A. AND SEXTON, DEREK R.	232	186	174	75%	360	163	70%
SOPPELAND REVOCABLE TRUST	478	383	359	75%	742	335	70%
SYNAGRO-WWT, INC. (DBA NURSURY PRODUCTS, LLC)	0	0	0	75%	0	0	70%
TALLAKSON FAMILY REVOCABLE TRUST	17	14	13	75%	27	12	70%
VALENTI, VITO	17	14	13	75%	27	12	70%
VAN DAM REVOCABLE TRUST, E AND S	722	578	542	75%	1,120	506	70%
VAN LEEUWEN, JOHN	1,465	1,137	1,099	75%	2,236	1,026	70%
VERNOLA TRUST, PAT AND MARY ANN	3,116	2,493	2,337	75%	4,830	2,182	70%
VICTORVILLE WATER DISTRICT, ID#1	796	0	597	75%	597	558	70%
WERNER, ANDREW J.	18	0	14	75%	14	13	70%
WESTERN DEVELOPMENT AND STORAGE, LLC	6	0	5	75%	5	5	70%
WITHEY, CONNIE	22	18	17	75%	35	16	70%
TOTAL	49,477	36,517	36,240		72,757	33,829	

APPENDIX H

AUGUST 13, 2020

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2019-20
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
(ALL AMOUNTS IN ACRE-FEET)**

**REVISED
by Court Order
of 6/11/20 and 8/13/20**

BAJA SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2019-20 FREE PRODUCTION ALLOWANCE ¹				2020-21 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
35250 YERMO, LLC	24	9	8	30%	17	6	25%
AHN, CHUN SOO AND WHA JA	50	18	15	30%	33	13	25%
AKE, CHARLES J. AND MARJORIE M.	23	9	7	30%	16	6	25%
ARCHIBEK, ERIC	0	0	0	30%	0	0	25%
ARGUELLES, ALFREDO	647	227	195	30%	422	162	25%
ATCHISON, TOPEKA, SANTA FE RAILWAY COMPANY	80	5	24	30%	29	20	25%
BAILEY 2007 LIVING REVOCABLE TRUST, SHERÉ R.	27	10	9	30%	19	7	25%
BARBER, JAMES B.	167	59	51	30%	110	42	25%
BARON, SUSAN AND PALMER, CURTIS	26	10	8	30%	18	7	25%
BENDER TRUST, DOLORES M.	0	0	0	30%	0	0	25%
BORGOGNO REVOCABLE LIVING TRUST	1,844	646	554	30%	1,200	461	25%
BORJA, LEONIL T. AND TITAL L.	20	7	6	30%	13	5	25%
BREDELIS, RONALD C. AND JEAN	64	18	20	30%	38	16	25%
BUBIER, DIANE GAIL	54	19	17	30%	36	14	25%
BUDGET FINANCE COMPANY	32	12	10	30%	22	8	25%
BUSH, KEVIN	0	0	0	30%	0	0	25%
CALICO JUNCTION	20	7	6	30%	13	5	25%
CALICO LAKES HOMEOWNERS ASSOCIATION	1,293	453	388	30%	841	324	25%
CALIFORNIA DEPARTMENT OF TRANSPORTATION	71	25	22	30%	47	18	25%
CALMAT COMPANY	0	0	0	30%	0	0	25%
CAMANGA, TONY AND MARIETTA	47	17	15	30%	32	12	25%
CAMPBELL, M. A. AND DIANNE	22	8	7	30%	15	6	25%
CARLTON, SUSAN	155	55	47	30%	102	39	25%
CDFW - CAMP CADY	921	323	277	30%	600	231	25%
CHEYENNE LAKE, INC.	522	183	157	30%	340	131	25%
CLARK, ARTHUR	50	18	15	30%	33	13	25%
CONNER, WILLIAM H.	25	9	8	30%	17	7	25%
CORBRIDGE, LINDA S.	32	12	10	30%	22	8	25%

APPENDIX H

AUGUST 13, 2020

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2019-20
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
(ALL AMOUNTS IN ACRE-FEET)**

**REVISED
by Court Order
of 6/11/20 and 8/13/20**

BAJA SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2019-20 FREE PRODUCTION ALLOWANCE ¹				2020-21 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
CROSS, FRANCIS AND BEVERLY	40	14	12	30%	26	10	25%
CRYSTAL LAKES PROPERTY OWNERS ASSOCIATION	701	246	211	30%	457	176	25%
DAGGETT COMMUNITY SERVICES DISTRICT	304	0	92	30%	92	76	25%
DAGGETT RANCH, LLC	76	16	23	30%	39	19	25%
DE JONG FAMILY TRUST	3,131	1,096	940	30%	2,036	783	25%
DENNISON, QUENTIN D. - CLEGG, FRIZELL AND JOKE	29	11	9	30%	20	8	25%
DONALDSON, JERRY AND BEVERLY	90	32	27	30%	59	23	25%
DOWELL, LEONARD	23	9	7	30%	16	6	25%
EVERT FAMILY TRUST	173	61	52	30%	113	44	25%
FEJFAR, MONICA KAY	20	7	6	30%	13	5	25%
FERNANDEZ, ARTURO	76	27	23	30%	50	19	25%
FERRO, DENNIS AND NORMA	32	12	10	30%	22	8	25%
FIRST CPA LLC	57	13	18	30%	31	15	25%
FOOTHILL ESTATES MHP, LLC (FORMERLY: POZZATO PARTNERS, LIMITED)	54	0	17	30%	17	14	25%
FUNDAMENTAL CHRISTIAN ENDEAVORS, INC.	425	149	128	30%	277	107	25%
GABRYCH, EUGENE	1,637	219	492	30%	711	410	25%
GARCIA, DANIEL	23	9	7	30%	16	6	25%
GARG, OM P.	483	170	145	30%	315	121	25%
GENON CALIFORNIA SOUTH, LP (SEE NOTE 5)	7,194	1,983	2,159	30%	4,142	1,799	25%
GRAY, GEORGE F. AND BETTY E.	94	33	29	30%	62	24	25%
HACKBARTH, EDWARD E.	1,517	342	456	30%	798	380	25%
HANSON AGGREGATES WRP, INC.	31	11	10	30%	21	8	25%
HARESON, NICHOLAS AND MARY	8	3	3	30%	6	2	25%
HARTER, JOE AND SUE	5,234	1,292	1,571	30%	2,863	1,309	25%
HASS, PAULINE L.	35	12	11	30%	23	9	25%
HAWKINS, JAMES B.	854	299	257	30%	556	214	25%
HENDLEY, RICK AND BARBARA	48	17	15	30%	32	12	25%

APPENDIX H

AUGUST 13, 2020

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2019-20
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
(ALL AMOUNTS IN ACRE-FEET)**

**REVISED
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BAJA SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2019-20 FREE PRODUCTION ALLOWANCE ¹				2020-21 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
HIETT, HARRY L.	29	11	9	30%	20	8	25%
HILARIDES 1998 REVOCABLE FAMILY TRUST	303	105	91	30%	196	76	25%
HO, TING-SENG AND AH-GIT	300	105	90	30%	195	75	25%
HOLLISTER, ROBERT H. AND RUTH M.	44	16	14	30%	30	11	25%
HONG, PAUL B. AND MAY	85	30	26	30%	56	22	25%
HOOD FAMILY TRUST	41	15	13	30%	28	11	25%
HORTON, JOHN	242	85	73	30%	158	61	25%
HORTON'S CHILDREN'S TRUST	199	0	60	30%	60	50	25%
HUBBARD, ESTER AND MIZUNO, ARLEAN	28	10	9	30%	19	7	25%
HUNT, RALPH M. AND LILLIAN F.	51	18	16	30%	34	13	25%
HYATT, JAMES AND BRENDA	210	57	63	30%	120	53	25%
IM, NICHOLAS NAK-KYUN	150	53	45	30%	98	38	25%
IRVIN, BERTRAND W.	29	11	9	30%	20	8	25%
ITALMOOD INC., ET. AL.	190	67	57	30%	124	48	25%
JACKS, JAMES F.	10	4	3	30%	7	3	25%
JACKSON, JAMES N. JR REVOCABLE LIVING TRUST	54	19	17	30%	36	14	25%
JACKSON, RAY REVOCABLE TRUST NO. 45801	1	1	1	30%	2	1	25%
JOHNSON, JAMES R. AND ELLEN	247	65	75	30%	140	62	25%
KARIMI, HOOSHANG	70	25	21	30%	46	18	25%
KASNER FAMILY LIMITED PARTNERSHIP	843	0	253	30%	253	211	25%
KASNER, ROBERT	5,713	1,285	1,714	30%	2,999	1,429	25%
KATCHER, AUGUST M. AND MARCELINE	23	9	7	30%	16	6	25%
KEMP, ROBERT AND ROSE	32	12	10	30%	22	8	25%
KIM, JOON HO AND MAL BOON REVOCABLE TRUST	764	268	230	30%	498	191	25%
KIM, SEON JA	50	18	15	30%	33	13	25%
KOEGLER, RONALD R. AND CAROLYN V.	26	9	8	30%	17	7	25%
KOERING, RICHARD AND KOERING, DONNA	20	7	6	30%	13	5	25%
KOROGHLIAN, TED AND NAJWA	15	1	5	30%	6	4	25%

APPENDIX H

AUGUST 13, 2020

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2019-20
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(ALL AMOUNTS IN ACRE-FEET)**

**REVISED
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of 6/11/20 and 8/13/20**

BAJA SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2019-20 FREE PRODUCTION ALLOWANCE ¹				2020-21 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
KOSHAREK, JOHN AND JOANN	54	19	17	30%	36	14	25%
LAKE JODIE PROPERTY OWNERS ASSOCIATION	311	109	94	30%	203	78	25%
LAKE WAIKIKI	98	35	30	30%	65	25	25%
LAKE WAINANI OWNERS ASSOCIATION	938	289	282	30%	571	235	25%
LAM, PHILLIP	105	37	32	30%	69	27	25%
LANGLEY, MICHAEL R. AND SHARON	20	0	6	30%	6	5	25%
LAVANH, ET AL.	24	9	8	30%	17	6	25%
LAWRENCE, WILLIAM W.	45	16	14	30%	30	12	25%
LEE, VIN JANG T.	630	221	189	30%	410	158	25%
LEM, HOY	32	12	10	30%	22	8	25%
LIANG, YUAN - I AND TZU - MEI CHEN	200	70	60	30%	130	50	25%
LIBERTY UTILITIES (APPLE VALLEY RANCHOS WATER) CORP.	453	159	136	30%	295	114	25%
LIN, KUAN JUNG AND CHUNG, DER-BING	451	158	136	30%	294	113	25%
LO, ET AL.	59	0	18	30%	18	15	25%
M BIRD CONSTRUCTION	41	15	13	30%	28	11	25%
MAHJOUBI, AFSAR S.	63	23	19	30%	42	16	25%
MALONEY, JANICE	36	13	11	30%	24	9	25%
MANNING, SHARON S.	63	23	19	30%	42	16	25%
MARCROFT, JAMES A. AND JOAN	38	2	12	30%	14	10	25%
MARSHALL, CHARLES	20	7	6	30%	13	5	25%
MARTIN, MICHAEL D. AND ARLENE D.	63	0	19	30%	19	16	25%
MILBRAT, IRVING H.	73	25	22	30%	47	19	25%
MILLER LIVING TRUST	18	7	6	30%	13	5	25%
MIZRAHIE, ET AL.	145	51	44	30%	95	37	25%
MORRIS TRUST, JULIA V.	304	107	92	30%	199	76	25%
MULLIGAN, ROBERT AND INEZ	35	13	11	30%	24	9	25%
MURPHY, JEAN	24	4	8	30%	12	6	25%
NEW SPRINGS LIMITED PARTNERSHIP	2,329	816	699	30%	1,515	583	25%

APPENDIX H

AUGUST 13, 2020

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(ALL AMOUNTS IN ACRE-FEET)**

**REVISED
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PRODUCER	BASE ANNUAL PRODUCTION	2019-20 FREE PRODUCTION ALLOWANCE ¹				2020-21 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
NEWBERRY COMMUNITY SERVICES DISTRICT	23	0	7	30%	7	6	25%
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	1,085	380	326	30%	706	272	25%
NSSLC, INC. (FORMERLY: DOCIMO LIVING TRUST, ALLEN LEE)	109	2	33	30%	35	28	25%
O. F. D. L., INC.	300	105	90	30%	195	75	25%
P AND H ENGINEERING AND DEVELOPMENT CORPORATION	667	234	201	30%	435	167	25%
PATINO, JOSÉ	22	8	7	30%	15	6	25%
PEARCE, CRAIG L.	150	53	45	30%	98	38	25%
PERKO, BERT K.	132	47	40	30%	87	33	25%
POLAND, JOHN R. AND KATHLEEN A.	92	33	28	30%	61	23	25%
PORTER, TIMOTHY M.	30	11	9	30%	20	8	25%
PRECISION INVESTMENTS SERVICES, LLC (FORMERLY: CF PROPERTIES, LLC)	845	296	254	30%	550	212	25%
PRICE, DONALD AND RUTH	42	15	13	30%	28	11	25%
PRUETT, ANDREA	36	13	11	30%	24	9	25%
QUAKENBUSH, SAMUEL R.	19	7	6	30%	13	5	25%
QUIROS, FRANCISCO J. AND HERRMANN, RONALD	38	0	12	30%	12	10	25%
RICE, HENRY C. AND DIANA	24	9	8	30%	17	6	25%
RIZVI, S.R ALI	27	10	9	30%	19	7	25%
ROSSI, JAMES L. AND NAOMI I.	614	0	185	30%	185	154	25%
S AND B BROTHERS, LLC	221	78	67	30%	145	56	25%
SAGABEAN-BARKER, KANOELOKELANI L.	34	11	11	30%	22	9	25%
SAMPLES, BERNARD D. AND JANICE E. (FORMERLY: SHAW, ROBERT M. AND LORI A. SLATER-SHAW)	43	16	13	30%	29	11	25%
SAMRA, JAGTAR S.	30	11	9	30%	20	8	25%
SAN BERNARDINO CO BARSTOW - DAGGETT AIRPORT	168	59	51	30%	110	42	25%
SERVICE ROCK PRODUCTS CORPORATION	0	0	0	30%	0	0	25%
SHENG, JEN	33	12	10	30%	22	9	25%
SHEPPARD, THOMAS AND GLORIA	217	76	66	30%	142	55	25%

APPENDIX H

AUGUST 13, 2020

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2019-20
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(ALL AMOUNTS IN ACRE-FEET)**

**REVISED
by Court Order
of 6/11/20 and 8/13/20**

BAJA SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2019-20 FREE PRODUCTION ALLOWANCE ¹				2020-21 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
SHORT, JEROME E.	30	1	9	30%	10	8	25%
SINGH, ET AL.	31	11	10	30%	21	8	25%
SMITH, DENISE DBA AMEREQUINE BEAUTY, INC	0	0	0	30%	0	0	25%
SMITH, PORTER AND ANITA	25	9	8	30%	17	7	25%
SOUTHERN CALIFORNIA EDISON COMPANY	600	210	180	30%	390	150	25%
SOUTHERN CALIFORNIA GAS COMPANY	98	35	30	30%	65	25	25%
SPERRY, WESLEY	4	2	2	30%	4	1	25%
ST. ANTONY COPTIC ORTHODOX MONASTERY	130	8	39	30%	47	33	25%
STARKE, GEORGE A. AND JAYNE E.	23	9	7	30%	16	6	25%
SUNDOWN LAKES, INC.	420	147	126	30%	273	105	25%
SUNRAY LAND COMPANY, LLC	63	23	19	30%	42	16	25%
SZYNKOWSKI, RUTH J.	29	11	9	30%	20	8	25%
TAPIE, RAYMOND L.	18	7	6	30%	13	5	25%
TEISAN, JERRY	96	34	29	30%	63	24	25%
THAYER, SHARON	97	33	30	30%	63	25	25%
THOMAS, STEPHEN AND LORI	49	18	15	30%	33	13	25%
TRIPLE H PARTNERSHIP	218	77	66	30%	143	55	25%
TURNER, TERRY	30	11	9	30%	20	8	25%
UNION PACIFIC RAILROAD COMPANY	249	88	75	30%	163	63	25%
VACA, ANDY AND TERESITA S.	20	7	6	30%	13	5	25%
VAN BASTELAAR, ALPHONSE	78	0	24	30%	24	20	25%
VAN DAM FAMILY TRUST, GLEN AND JENNIFER	5,430	1,016	1,629	30%	2,645	1,358	25%
VAN LEEUWEN, JOHN	2,018	699	606	30%	1,305	505	25%
VANDER DUSSEN TRUST, AGNES AND EDWARD	1,792	330	538	30%	868	448	25%
WANG, STEVEN	10	4	3	30%	7	3	25%
WARD, RAYMOND	105	4	32	30%	36	27	25%
WEEMS, LIZZIE	53	19	16	30%	35	14	25%
WEERAISINGHE, MAITHRI N.	15	6	5	30%	11	4	25%

APPENDIX H

AUGUST 13, 2020

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2019-20
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
(ALL AMOUNTS IN ACRE-FEET)**

BAJA SUBAREA

**REVISED
by Court Order
of 6/11/20 and 8/13/20**

PRODUCER	BASE ANNUAL PRODUCTION	2019-20 FREE PRODUCTION ALLOWANCE ¹				2020-21 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
WESTERN HORIZON ASSOCIATES, INC.	1,363	0	409	30%	409	341	25%
WET SET, INC.	404	142	122	30%	264	101	25%
WITTE, E. DANIEL AND MARCIA	27	10	9	30%	19	7	25%
WLSR, INC.	328	115	99	30%	214	82	25%
WORSEY, JOSEPH A. AND REVAE	29	11	9	30%	20	8	25%
TOTAL	63,929	17,371	19,246		36,617	16,042	

NOTES FOR APPENDIX H

- 1 FREE PRODUCTION ALLOWANCE IS EQUAL TO 80% OF BASE ANNUAL PRODUCTION FOR THE ESTE, OESTE AND CENTRO SUBAREAS AND 35% OF BASE ANNUAL PRODUCTION FOR THE BAJA SUBAREA FOR 2018-19 BASED ON THE COURT ORDER DATED JULY 13, 2018. FREE PRODUCTION ALLOWANCE IS EQUAL TO 80% OF BASE ANNUAL PRODUCTION FOR AGRICULTURAL PRODUCERS AND 60% OF BASE ANNUAL PRODUCTION FOR ALL OTHER PRODUCERS IN THE ALTO SUBAREA. AGRICULTURAL PRODUCERS INCLUDE THOSE PRODUCING WATER FOR THE IRRIGATION OF CROPS SUCH AS ALFALFA, GRAINS, NUT TREES OR ORCHARD, DAIRIES AND LIVESTOCK AND GENERALLY ALL OTHER INCIDENTAL USES INCLUDING SMALL DOMESTIC OR AS OTHERWISE DETERMINED BY WATERMASTER.
- 2 FREE PRODUCTION ALLOWANCE FOR 2019-20 (SUBJECT TO COURT APPROVAL).

ESTE SUBAREA: FREE PRODUCTION ALLOWANCE TO REMAIN AT 80% FOR THE 2019-20 WATER YEAR. THE ESTE SUBAREA MAY BE SUBJECT TO FUTURE RAMPDOWN TO 65% IMMEDIATELY IF WATER USE CONDITIONS CHANGE.

OESTE SUBAREA: FREE PRODUCTION ALLOWANCE IS EQUAL 75% OF BASE ANNUAL PRODUCTION FOR THE 2019-20 WATER YEAR.

ALTO SUBAREA: FREE PRODUCTION ALLOWANCE IS EQUAL 80% OF BASE ANNUAL PRODUCTION FOR AGRICULTURAL PRODUCERS AND 55% OF BASE ANNUAL PRODUCTION FOR ALL OTHER PRODUCERS IN THE ALTO SUBAREA FOR THE 2019-20 WATER YEAR, CONSISTENT WITH DIRECTION FROM THE COURT. AGRICULTURAL PRODUCERS INCLUDE THOSE PRODUCING WATER FOR THE IRRIGATION OF CROPS SUCH AS ALFALFA, GRAINS, NUT TREES OR ORCHARD, DAIRIES AND LIVESTOCK AND GENERALLY ALL OTHER INCIDENTAL USES INCLUDING SMALL DOMESTIC OR AS OTHERWISE DETERMINED BY WATERMASTER.

CENTRO SUBAREA: FREE PRODUCTION ALLOWANCE IS EQUAL TO 80% OF BASE ANNUAL PRODUCTION FOR THE 2019-20 WATER YEAR.

BAJA SUBAREA: FREE PRODUCTION ALLOWANCE IS EQUAL TO 30% OF BASE ANNUAL PRODUCTION FOR THE 2019-20 WATER YEAR.
- 3 PHELAN PIÑON HILLS CSD'S WELL #14 IS NOT INCLUDED IN THE TOTAL VERIFIED PRODUCTION. THE MATTER OF PUMPING FROM WELL #14, LOCATED IN LA COUNTY, IS STILL UNRESOLVED AND MAY AFFECT FUTURE OBLIGATIONS UNDER THE JUDGMENT.
- 4 APPELLANTS NOT SUBJECT TO THE JUDGMENT AFTER TRIAL PURSUANT TO SUPREME COURT DECISION DATED AUGUST 21, 2000. THE AGGREGATE BASE ANNUAL PRODUCTION OF THESE PARTIES WAS DETERMINED PRIOR TO TRIAL AND CONSISTS OF 291 ACRE FEET IN THE ALTO SUBAREA AND 1,187 ACRE FEET IN THE CENTRO SUBAREA.
- 5 THE 7,194 ACRE-FEET OF BAP AND THE ASSOCIATED UNUSED FPA OF 1,983 ACRE-FEET WAS TRANSFERRED TO THE MOJAVE WATER AGENCY EFFECTIVE OCTOBER 1, 2019.

APPENDIX I

AMENDED APPENDIX B FOR WATER YEAR 2017-18

RECONCILED FOR CARRYOVER TRANSFERS IN LIEU OF

PAYMENT OF REPLACEMENT AND MAKEUP WATER ASSESSMENTS

AND ALL OTHER ERRATA

APPENDIX I

MARCH 25, 2020

**AMENDED APPENDIX B FOR WATER YEAR 2017-18
RECONCILED FOR CARRYOVER TRANSFERS IN LIEU OF PAYMENT OF REPLACEMENT AND MAKEUP WATER ASSESSMENTS
AND ALL OTHER ERRATA**

(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)

ESTE SUBAREA

PRODUCER	2017-18 FREE PRODUCTION ALLOWANCE						PRODUCTION			ASSESSMENTS DUE BY JULY 1, 2019 (AMOUNTS IN DOLLARS)				
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2017-18 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT	MAKEUP	TOTAL
				2016-17 CARRYOVER ³	2017-18 FPA ⁴							WATER	WATER	
												\$578.00/AF	N/A	
ABDUL, HARRY AND ANITA	194	156	156	0	0	312	7	156	0	7	0.00	0.00	0.00	0.00
ABSHIRE, DAVID V.	24	20	20	0	0	40	0	20	0	0	0.00	0.00	0.00	0.00
AHN REVOCABLE LIVING TRUST	0	0	0	0	67	67	67	0	0	0	0.00	0.00	0.00	0.00
AHN REVOCABLE TRUST	28	23	23	0	0	46	20	23	0	20	0.00	0.00	0.00	0.00
AHN, CHUN SOO AND DAVID	400	320	320	(102)	(115)	423	0	205	0	0	0.00	0.00	0.00	0.00
ANDERSON, ROSS C. AND BETTY J.	34	28	28	0	0	56	0	28	0	0	0.00	0.00	0.00	0.00
AVILA, ANGEL AND EVALIA	573	459	429	(30)	(11)	847	118	448	0	118	0.00	0.00	0.00	0.00
BAR H MUTUAL WATER COMPANY	53	43	43	0	0	86	25	43	0	25	0.00	0.00	0.00	0.00
BELL, CHUCK	494	396	396	(36)	0	756	250	396	0	250	0.00	0.00	0.00	0.00
BRACHT, WILLIAM F. AND ALEXANDER, ALICIA M.	50	40	34	0	0	74	53	21	0	53	0.00	0.00	0.00	0.00
CASA COLINA FOUNDATION	90	72	71	0	0	143	47	72	0	47	0.00	0.00	0.00	0.00
CENTER WATER COMPANY	40	32	32	0	0	64	21	32	0	21	0.00	0.00	0.00	0.00
CHUNG, ET AL.	0	0	7	0	27	34	34	0	0	7	0.00	0.00	0.00	0.00
CLUB VIEW PARTNERS	1,276	1,021	1,021	(19)	(21)	2,002	0	1,000	0	0	0.00	0.00	0.00	0.00
CROSS, SHARON I.	23	19	19	0	0	38	1	19	0	1	0.00	0.00	0.00	0.00
DACOSTA, DEAN EDWARD	56	45	45	0	0	90	1	45	0	1	0.00	0.00	0.00	0.00
DAHLQUIST, GEORGE R.	594	476	476	0	0	952	0	476	0	0	0.00	0.00	0.00	0.00
DESERT DAWN MUTUAL WATER COMPANY	15	12	0	0	12	24	20	0	0	12	0.00	0.00	0.00	0.00
DESERT SPRINGS MUTUAL WATER COMPANY	78	63	63	0	0	126	44	63	0	44	0.00	0.00	0.00	0.00
DJC CORPORATION	66	53	53	0	0	106	0	53	0	0	0.00	0.00	0.00	0.00
GABRYCH, EUGENE	2,201	1,761	1,761	0	(91)	3,431	0	1,670	0	0	0.00	0.00	0.00	0.00
GAETA, MIGUEL AND MARIA	1,500	1,200	1,200	(36)	0	2,364	1	1,200	0	1	0.00	0.00	0.00	0.00
GAETA, TRINIDAD	512	410	410	0	0	820	132	410	0	132	0.00	0.00	0.00	0.00
GARDENA MISSION CHURCH, INC.	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
GAYJIKIAN, SAMUEL AND HAZEL	102	82	82	0	0	164	1	82	0	1	0.00	0.00	0.00	0.00
GOLDEN STATE WATER COMPANY	178	143	143	0	0	286	118	143	0	118	0.00	0.00	0.00	0.00
GORDON ACRES WATER COMPANY	54	44	44	0	0	88	17	44	0	17	0.00	0.00	0.00	0.00
GUBLER, HANS	30	24	24	0	0	48	10	24	0	10	0.00	0.00	0.00	0.00
HAL-DOR LTD.	23	19	19	0	0	38	16	19	0	16	0.00	0.00	0.00	0.00
HARVEY, LISA M.	300	240	240	0	0	480	1	240	0	1	0.00	0.00	0.00	0.00
HERT, SCOTT	276	221	221	0	0	442	200	221	0	200	0.00	0.00	0.00	0.00
HI-GRADE MATERIALS COMPANY	442	354	354	0	0	708	168	354	0	168	0.00	0.00	0.00	0.00
HITCHIN LUCERNE, INC.	16	13	13	0	0	26	10	13	0	10	0.00	0.00	0.00	0.00
JUBILEE MUTUAL WATER COMPANY	142	114	31	0	0	145	100	45	0	100	0.00	0.00	0.00	0.00
JUNIPER RIVIERA COUNTY WATER DISTRICT	37	30	0	42	0	72	66	6	0	66	0.00	0.00	0.00	0.00
KIM, JU SANG	30	24	24	0	0	48	1	24	0	1	0.00	0.00	0.00	0.00
LEE, ANNA K. AND ESHBAN K.	33	27	27	0	0	54	0	27	0	0	0.00	0.00	0.00	0.00

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ESTE SUBAREA

PRODUCER	2017-18 FREE PRODUCTION ALLOWANCE						PRODUCTION					ASSESSMENTS DUE BY JULY 1, 2019 (AMOUNTS IN DOLLARS)		
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2017-18 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT	MAKEUP	TOTAL
				2016-17 CARRYOVER ³	2017-18 FPA ⁴							WATER	WATER	
												\$578.00/AF	N/A	
LEE, DOO HWAN	78	63	63	0	0	126	0	63	0	0	0.00	0.00	0.00	0.00
LOPEZ, BALTAZAR	385	308	308	0	0	616	0	308	0	0	0.00	0.00	0.00	0.00
LUA, MICHAEL T. AND DONNA S.	348	279	279	0	0	558	0	279	0	0	0.00	0.00	0.00	0.00
LUCERNE VALLEY MUTUAL WATER COMPANY	54	44	44	0	0	88	32	44	0	32	0.00	0.00	0.00	0.00
LUCERNE VALLEY PARTNERS	1,213	971	971	0	0	1,942	0	971	0	0	0.00	0.00	0.00	0.00
LUCERNE VISTA MUTUAL WATER COMPANY	21	17	16	0	0	33	18	15	0	18	0.00	0.00	0.00	0.00
M.B. LANDSCAPING AND NURSERY, INC.	1,773	1,419	1,419	(71)	0	2,767	1,301	1,419	0	1,301	0.00	0.00	0.00	0.00
MITSUBISHI CEMENT CORPORATION	1,395	1,116	1,116	(78)	(121)	2,033	357	995	0	357	0.00	0.00	0.00	0.00
MONACO INVESTMENT COMPANY	70	56	56	0	0	112	0	56	0	0	0.00	0.00	0.00	0.00
MOSS, LAWRENCE W. AND HELEN J.	43	35	35	0	0	70	32	35	0	32	0.00	0.00	0.00	0.00
NORRIS TRUST, MARY ANN	73	59	59	0	0	118	1	59	0	1	0.00	0.00	0.00	0.00
OASIS WORLD MISSION	0	0	0	0	48	48	48	0	0	0	0.00	0.00	0.00	0.00
OMYA CALIFORNIA, INC.	23	19	0	0	11	30	30	0	0	19	0.00	0.00	0.00	0.00
PAK, KAE SOO AND MYONG HUI KANG	247	198	198	0	(27)	369	69	171	0	69	0.00	0.00	0.00	0.00
PETTIGREW, DAN	22	18	18	0	0	36	0	18	0	0	0.00	0.00	0.00	0.00
PETTIGREW, JAMES AND CHERLYN	500	400	400	0	0	800	139	400	0	139	0.00	0.00	0.00	0.00
REED, MIKE	58	47	47	0	0	94	1	47	0	1	0.00	0.00	0.00	0.00
RHEE, ANDREW N.	0	0	0	30	11	41	41	0	0	30	0.00	0.00	0.00	0.00
ROBERTSON'S READY MIX	0	0	0	0	87	87	87	0	0	0	0.00	0.00	0.00	0.00
ROYAL WAY	200	160	160	0	0	320	50	160	0	50	0.00	0.00	0.00	0.00
S AND E 786 ENTERPRISES, LLC	597	478	478	0	0	956	0	478	0	0	0.00	0.00	0.00	0.00
SABA, SABA A. AND SHIRLEY L.	1,120	896	896	0	0	1,792	0	896	0	0	0.00	0.00	0.00	0.00
SAN BERNARDINO COUNTY SERVICE AREA 29	40	32	0	0	21	53	53	0	0	32	0.00	0.00	0.00	0.00
SON'S RANCH	140	112	112	0	0	224	55	112	0	55	0.00	0.00	0.00	0.00
SPECIALTY MINERALS, INC.	42	34	0	0	23	57	57	0	0	34	0.00	0.00	0.00	0.00
SPILLMAN, JAMES R. AND NANCY J.	23	19	19	0	0	38	5	19	0	5	0.00	0.00	0.00	0.00
THE CUSHENBURY TRUST, C/O SPECIALTY MINERALS, INC.	10	8	8	0	0	16	0	8	0	0	0.00	0.00	0.00	0.00
WEISER, ET AL.	90	72	0	0	91	163	163	0	0	72	0.00	0.00	0.00	0.00
WEST END MUTUAL WATER COMPANY	30	24	24	(12)	(12)	24	13	11	0	13	0.00	0.00	0.00	0.00
WILSHIRE ROAD PARTNERS	692	554	554	0	0	1,108	0	554	0	0	0.00	0.00	0.00	0.00
TOTAL	19,251	15,422	15,109	(312)	0	30,219	4,101	14,740	0	3,707	0.00	0.00	0.00	0.00

APPENDIX I

MARCH 25, 2020

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				2016-17 CARRYOVER ³	2017-18 FPA ⁴									
AEROCHEM, INC.	660	528	17	0	(200)	345	10	328	0	10	0.00	0.00	0.00	0.00
BROWN, SUE AND DOUG	46	37	37	0	0	74	0	37	0	0	0.00	0.00	0.00	0.00
CHAMISAL MUTUAL WATER COMPANY	96	77	8	0	(50)	35	30	5	0	30	0.00	0.00	0.00	0.00
DOSSEY, D. A.	0	0	6	(6)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
HANDRINOS, NICOLE A.	7	6	6	0	0	12	1	6	0	1	0.00	0.00	0.00	0.00
HETTINGA REVOCABLE TRUST	1,256	1,005	248	6	250	1,509	1,208	301	0	1,208	0.00	0.00	0.00	0.00
PHELAN PIÑON HILLS COMMUNITY SERVICES DISTRICT (SEE NOTE 10)	4,680	3,744	3,744	0	0	7,488	2,451	3,744	0	2,451	0.00	0.00	0.00	0.00
TROEGER FAMILY TRUST, RICHARD H.	112	90	90	0	0	180	6	90	0	6	0.00	0.00	0.00	0.00
TOTAL	6,857	5,487	4,156	0	0	9,643	3,706	4,511	0	3,706	0.00	0.00	0.00	0.00

APPENDIX I

MARCH 25, 2020

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				2016-17 CARRYOVER ³	2017-18 FPA ⁴							WATER	WATER		
												\$578.00/AF	\$578.00/AF		
ADELANTO, CITY OF	5,182	2,627	0	40	1,151	3,818	3,818	0	0	3,425	0.00	0.00	0.00	0.00	
ADES, JOHN AND DEVON	37	30	25	(25)	(12)	18	6	12	0	6	0.00	0.00	0.00	0.00	
AGCON, INC.	384	231	57	(57)	63	294	294	0	0	231	0.00	0.00	0.00	0.00	
AMERICAN STATES WATER COMPANY	1,000	600	600	(600)	(486)	114	0	114	0	0	0.00	0.00	0.00	0.00	
APPLE VALLEY FOOTHILL COUNTY WATER DISTRICT	167	101	17	(12)	0	106	95	11	0	95	0.06	0.00	34.68	34.68	
APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT	125	75	0	18	9	102	102	0	0	93	0.00	0.00	0.00	0.00	
APPLE VALLEY UNIFIED SCHOOL DISTRICT	0	0	0	0	54	54	54	0	0	0	0.00	0.00	0.00	0.00	
APPLE VALLEY VIEW MUTUAL WATER COMPANY	36	22	0	0	2	24	24	0	0	22	0.00	0.00	0.00	0.00	
APPLE VALLEY, TOWN OF	1,082	650	421	0	0	1,071	508	563	0	508	0.00	0.00	0.00	0.00	
AQUA CAPITAL MANAGEMENT, LP-AGRICULTURE	72	702	0	0	(702)	0	0	0	0	0	0.00	0.00	0.00	0.00	
AQUA CAPITAL MANAGEMENT, LP-INDUSTRIAL	185	111	0	0	(111)	0	0	0	0	0	0.00	0.00	0.00	0.00	
BASS TRUST, NEWTON T.	514	412	412	(412)	(410)	2	2	0	0	2	0.13	0.00	75.14	75.14	
BASTIANON REVOCABLE TRUST	77	62	61	(61)	(61)	1	1	0	0	1	0.06	0.00	34.68	34.68	
BEEBE, ROBERT W. AND DOROTHY K.	6	5	5	0	(5)	5	0	0	0	0	0.00	0.00	0.00	0.00	
BEINSCHROTH FAMILY TRUST	800	640	611	(611)	(593)	47	47	0	0	47	0.00	0.00	0.00	0.00	
BOX, GEARY S. AND LAURA (FORMERLY: PEARSON, DERYL B.)	22	18	0	18	0	36	4	18	0	4	0.00	0.00	0.00	0.00	
BROWN, BOBBY G. AND VALERIA R.	42	34	34	(34)	(33)	1	1	0	0	1	0.06	0.00	34.68	34.68	
BROWN, JENNIFER	41	33	24	(24)	(29)	4	4	0	0	4	0.00	0.00	0.00	0.00	
BRUNEAU, KAREN	10	8	8	0	0	16	2	8	0	2	0.13	0.00	75.14	75.14	
BRYANT, IAN	29	24	24	(24)	(24)	0	0	0	0	0	0.00	0.00	0.00	0.00	
BUNNELL, DICK	24	20	18	(18)	(18)	2	2	0	0	2	0.00	0.00	0.00	0.00	
CALMAT COMPANY	25	15	11	(11)	0	15	4	11	0	4	0.00	0.00	0.00	0.00	
CALPORTLAND COMPANY - AGRICULTURE	643	515	515	(184)	0	846	0	515	0	0	0.00	0.00	0.00	0.00	
CALPORTLAND COMPANY - ORO GRANDE PLANT	2,809	1,686	1,239	(1,035)	0	1,890	763	1,127	0	763	0.00	0.00	0.00	0.00	
CDFW - MOJAVE NARROWS REGIONAL PARK	2,107	1,265	0	0	505	1,770	1,770	0	0	1,265	0.00	0.00	0.00	0.00	
CDFW - MOJAVE RIVER FISH HATCHERY (SEE NOTE 11)	20	16	0	0	0	16	20	0	0	0	0.00	0.00	0.00	0.00	
CEMEX, INC.	1,499	900	0	0	252	1,152	1,152	0	0	900	0.00	0.00	0.00	0.00	
CUNNINGHAM, JERRY	0	0	8	(8)	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
DOLCH, ROBERT AND JUDY	100	80	76	(76)	(76)	4	4	0	0	4	0.26	0.00	150.28	150.28	
DORA LAND, INC.	15	12	12	(12)	(12)	0	0	0	0	0	0.00	0.00	0.00	0.00	
EAST DESERT LAND COMPANY, LLC (SEE NOTE 12)	0						1,208								
EVENSON, EDWIN H. AND JOYCELAINE C.	70	56	56	0	0	112	1	56	0	1	0.06	0.00	34.68	34.68	
FEDERAL BUREAU OF PRISONS, VICTORVILLE	686	412	0	0	(412)	0	0	0	0	0	0.00	0.00	0.00	0.00	
FISCHER REVOCABLE LIVING TRUST	36	29	28	(28)	(28)	1	1	0	0	1	0.06	0.00	34.68	34.68	

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MARCH 25, 2020

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ALTO SUBAREA

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	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2017-18 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	PRODUCTION SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT	MAKEUP	TOTAL	
				2016-17 CARRYOVER ³	2017-18 FPA ⁴							WATER	WATER		
												\$578.00/AF	\$578.00/AF		
FISHER TRUST, JEROME R.	633	507	507	(507)	(507)	0	0	0	0	0	0.00	0.00	0.00	0.00	
FITZWATER, R. E. (SEE NOTE 12)	291						1								
FRAZIER, ET AL.	50	40	40	(40)	(40)	0	0	0	0	0	0.00	0.00	0.00	0.00	
GOLDEN STATE WATER COMPANY	940	564	0	0	321	885	885	0	0	564	0.00	0.00	0.00	0.00	
GREEN ACRES ESTATES	25	15	15	0	0	30	5	15	0	5	0.32	0.00	184.96	184.96	
GULBRANSON, MERLIN	5	4	4	0	0	8	0	4	0	0	0.00	0.00	0.00	0.00	
HAAS, BRYAN C. AND HINKLE, MARY H.	9	8	8	(8)	(8)	0	0	0	0	0	0.00	0.00	0.00	0.00	
HALANNA EQUITIES III	19	16	10	(10)	(10)	6	6	0	0	6	0.38	0.00	219.64	219.64	
HAMILTON FAMILY TRUST	108	87	73	(73)	0	87	15	72	0	15	0.96	0.00	554.88	554.88	
HELENDALE COMMUNITY SERVICES DISTRICT	3,707	2,225	705	(705)	(686)	1,539	1,539	0	0	1,539	0.00	0.00	0.00	0.00	
HELENDALE SCHOOL DISTRICT	18	11	11	0	0	22	6	11	0	6	0.38	0.00	219.64	219.64	
HESPERIA - GOLF COURSE, CITY OF	678	407	0	0	164	571	571	0	0	407	0.00	0.00	0.00	0.00	
HESPERIA VENTURE I, LLC	0	0	0	0	0	0	1	0	1	0	0.00	578.00	0.00	578.00	
HESPERIA WATER DISTRICT	13,914	8,349	0	330	4,120	12,799	14,259	0	1,460	8,679	0.00	843,880.00	0.00	843,880.00	
HESPERIA, CITY OF	6,736	4,042	4,042	(4,042)	(4,042)	0	0	0	0	0	0.00	0.00	0.00	0.00	
HI-GRADE MATERIALS COMPANY	149	90	72	(72)	(63)	27	18	9	0	18	0.00	0.00	0.00	0.00	
HOLWAY JEFFREY R AND PATRICIA GAGE	8	7	7	(7)	0	7	0	7	0	0	0.00	0.00	0.00	0.00	
HOLWAY, JEFFREY R	11	9	9	(9)	0	9	0	9	0	0	0.00	0.00	0.00	0.00	
HUNT, CONNIE	66	53	53	(53)	0	53	0	53	0	0	0.00	0.00	0.00	0.00	
JAMBOREE HOUSING CORPORATION	0	0	0	55	0	55	41	0	0	41	2.62	0.00	1,514.36	1,514.36	
JESS RANCH WATER COMPANY	7,230	4,338	3,779	(3,011)	(3,171)	1,935	1,427	508	0	1,427	0.00	0.00	0.00	0.00	
JOHNSON, CARLEAN	23	19	6	0	0	25	22	3	0	22	0.00	0.00	0.00	0.00	
JOHNSON, RONALD	31	25	25	(25)	0	25	0	25	0	0	0.00	0.00	0.00	0.00	
JOHNSTON, HARRIET AND JOHNSTON, LAWRENCE W.	127	102	100	(100)	0	102	4	98	0	4	0.26	0.00	150.28	150.28	
KANESAKA, KENJI AND YUKARI	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
KEMPER CAMPBELL RANCH	473	379	359	(359)	(236)	143	143	0	0	143	0.00	0.00	0.00	0.00	
LAGUNA WATER II, LTD. (FORMERLY: AQUA CAPITAL MANGEMENT, LP - AGRICULTURE)	200	160	0	0	(160)	0	0	0	0	0	0.00	0.00	0.00	0.00	
LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT	658	527	527	(527)	(527)	0	0	0	0	0	0.00	0.00	0.00	0.00	
LANGLEY, JAMES	5	4	4	(4)	(4)	0	0	0	0	0	0.00	0.00	0.00	0.00	
LANGLEY, JAMES - INDUSTRIAL	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
LAWSON, ERNEST AND BARBARA	15	12	12	(12)	(11)	1	1	0	0	1	0.06	0.00	34.68	34.68	
LENHERT, RONALD AND TONI	37	30	30	0	0	60	8	30	0	8	0.51	0.00	294.78	294.78	
LHC ALLIGATOR, LLC	498	399	399	0	(274)	524	0	125	0	0	0.00	0.00	0.00	0.00	
LIBERTY UTILITIES (APPLE VALLEY RANCHOS WATER) CORP. (SEE NOTE 13)	13,610	8,166	2,659	0	0	10,825	8,276	2,549	0	8,276	0.00	0.00	0.00	0.00	

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ALTO SUBAREA

PRODUCER	2017-18 FREE PRODUCTION ALLOWANCE						PRODUCTION						ASSESSMENTS DUE BY JULY 1, 2019 (AMOUNTS IN DOLLARS)		
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2017-18 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT WATER \$578.00/AF	MAKEUP WATER \$578.00/AF	TOTAL	
				2016-17 CARRYOVER ³	2017-18 FPA ⁴										
LOW, DEAN	199	160	160	(160)	(160)	0	0	0	0	0	0.00	0.00	0.00	0.00	
LUCKEY 2010 REVOCABLE TRUST	300	240	239	(239)	(239)	1	1	0	0	1	0.06	0.00	34.68	34.68	
MARIANA RANCHOS COUNTY WATER DISTRICT	245	147	0	0	63	210	210	0	0	147	0.00	0.00	0.00	0.00	
MCINNIS, WILLIAM S.	30	24	24	(24)	0	24	7	17	0	7	0.00	0.00	0.00	0.00	
MCKINNEY, PAULA	33	27	27	(27)	0	27	0	27	0	0	0.00	0.00	0.00	0.00	
MLH, LLC	13	11	3	0	(6)	8	8	0	0	8	0.51	0.00	294.78	294.78	
MOJAVE WATER AGENCY (SEE NOTE 14)	0	0	0	0	0	0	20	0	20	0	0.00	11,560.00	0.00	11,560.00	
NAVAJO MUTUAL WATER COMPANY	88	53	53	0	0	106	30	53	0	30	0.00	0.00	0.00	0.00	
NUÑEZ, LUIS SEGUNDO	0	0	0	0	0	0	1	0	1	0	0.00	578.00	0.00	578.00	
NUNN FAMILY TRUST	36	29	28	(28)	(28)	1	1	0	0	1	0.06	0.00	34.68	34.68	
ORO GRANDE SCHOOL DISTRICT	107	65	65	0	0	130	65	65	0	65	4.15	0.00	2,398.70	2,398.70	
PERRY REVOCABLE LIVING TRUST, THOMAS AND PATRICIA	0	0	0	0	1	1	1	0	0	0	0.00	0.00	0.00	0.00	
PHELAN PIÑON HILLS COMMUNITY SERVICES DISTRICT	355	213	71	0	0	284	161	123	0	161	0.00	0.00	0.00	0.00	
PITTMAN, LEROY W.	148	119	119	0	0	238	1	119	0	1	0.06	0.00	34.68	34.68	
POLICH, DONNA	65	52	52	(52)	0	52	0	52	0	0	0.00	0.00	0.00	0.00	
RANCHERITOS MUTUAL WATER COMPANY	169	102	0	0	0	102	109	0	7	102	0.00	4,046.00	0.00	4,046.00	
RIM PROPERTIES, A GENERAL PARTNERSHIP	9	8	8	(8)	(8)	0	0	0	0	0	0.00	0.00	0.00	0.00	
RUE RANCH	30	24	15	0	(24)	15	2	0	0	2	0.13	0.00	75.14	75.14	
SAN BERNARDINO COUNTY - HIGH DESERT DETENTION CENT	0	0	0	0	121	121	121	0	0	0	0.00	0.00	0.00	0.00	
SAN BERNARDINO COUNTY SERVICE AREA 42	465	279	209	(209)	0	279	66	213	0	66	0.00	0.00	0.00	0.00	
SAN BERNARDINO COUNTY SERVICE AREA 64	3,822	2,294	379	0	128	2,801	2,801	0	0	2,673	0.00	0.00	0.00	0.00	
SAN BERNARDINO COUNTY SERVICE AREA 70J	1,015	609	0	1,059	37	1,705	1,705	0	0	1,668	0.00	0.00	0.00	0.00	
SAPP, ROBERT D. AND LEE, TERESA J.	42	34	26	(26)	(27)	7	7	0	0	7	0.00	0.00	0.00	0.00	
SCRAY, MICHELLE A. TRUST	15	12	11	(11)	0	12	1	11	0	1	0.06	0.00	34.68	34.68	
SERVICE ROCK PRODUCTS CORPORATION	20	12	3	0	0	15	8	7	0	8	0.51	0.00	294.78	294.78	
SHEEP CREEK WATER COMPANY	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
SILVER LAKES ASSOCIATION	4,987	2,993	655	0	51	3,699	3,699	0	0	3,648	0.00	0.00	0.00	0.00	
SNOWBALL DEVELOPMENT, INC.	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
SPRING VALLEY LAKE ASSOCIATION	3,768	2,261	0	0	252	2,513	2,513	0	0	2,261	0.00	0.00	0.00	0.00	
SPRING VALLEY LAKE COUNTRY CLUB	977	587	0	151	0	738	703	35	0	703	0.00	0.00	0.00	0.00	
STORM, RANDALL	62	50	50	(50)	(50)	0	0	0	0	0	0.00	0.00	0.00	0.00	
SUDMEIER, GLENN W.	20	16	15	(15)	(15)	1	1	0	0	1	0.06	0.00	34.68	34.68	
SUMMIT VALLEY RANCH, LLC	57	46	15	(15)	(27)	19	19	0	0	19	1.21	0.00	699.38	699.38	
THOMPSON LIVING TRUST, JAMES A. AND SULA B.	418	335	331	(331)	(334)	1	1	0	0	1	0.06	0.00	34.68	34.68	
THOMPSON LIVING TRUST, R.L. AND R.A.	2	2	7	(7)	2	4	4	0	0	2	0.00	0.00	0.00	0.00	
THRASHER, GARY	373	299	280	(280)	(284)	15	15	0	0	15	0.00	0.00	0.00	0.00	

APPENDIX I

MARCH 25, 2020

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ALTO SUBAREA

PRODUCER	2017-18 FREE PRODUCTION ALLOWANCE						PRODUCTION					ASSESSMENTS DUE BY JULY 1, 2019 (AMOUNTS IN DOLLARS)			
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2017-18 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT WATER \$578.00/AF	MAKEUP WATER \$578.00/AF	TOTAL	
				2016-17 CARRYOVER ³	2017-18 FPA ⁴										
THUNDERBIRD COUNTY WATER DISTRICT	118	71	0	0	36	107	107	0	0	71	0.00	0.00	0.00	0.00	
TRANSAMERICA FIN'L SVC - SPEARS, LARRY B. AND ERLINDA	26	21	21	0	0	42	0	21	0	0	0.00	0.00	0.00	0.00	
VANHOOPS HOLDINGS, LP	360	288	288	(288)	(288)	0	0	0	0	0	0.00	0.00	0.00	0.00	
VICTOR VALLEY COMMUNITY COLLEGE DISTRICT	240	144	0	0	268	412	412	0	0	144	0.00	0.00	0.00	0.00	
VICTOR VALLEY MEMORIAL PARK	0	0	0	0	45	45	45	0	0	0	0.00	0.00	0.00	0.00	
VICTORVILLE WATER DISTRICT, ID#1 (SEE NOTE 13)	23,020	13,812	0	0	4,025	17,837	19,334	0	1,497	14,224	0.00	865,266.00	0.00	865,266.00	
VICTORVILLE WATER DISTRICT, ID#2 (SEE NOTE 13)	2,932	1,760	0	0	3,171	4,931	4,931	0	0	1,760	0.00	0.00	0.00	0.00	
VOGLER, ALBERT H.	62	50	49	(49)	(49)	1	1	0	0	1	0.06	0.00	34.68	34.68	
WAGNER LIVING TRUST	1,224	980	980	(980)	(980)	0	0	0	0	0	0.00	0.00	0.00	0.00	
WAKULA FAMILY TRUST	11	9	9	0	0	18	1	9	0	1	0.06	0.00	34.68	34.68	
WARD, KEN AND BARBARA	65	52	21	(21)	(36)	16	16	0	0	16	0.00	0.00	0.00	0.00	
WEST, HOWARD AND SUZY	72	58	58	(58)	0	58	0	58	0	0	0.00	0.00	0.00	0.00	
WEST, JIMMIE E.	10	8	7	(7)	(7)	1	1	0	0	1	0.06	0.00	34.68	34.68	
WESTERN RIVERS CONSERVANCY	10	8	7	(7)	0	8	1	7	0	1	0.06	0.00	34.68	34.68	
WESTERN WATER COMPANY	15	12	12	0	0	24	0	12	0	0	0.00	0.00	0.00	0.00	
WESTLAND INDUSTRIES, INC.	54	33	24	0	0	57	28	29	0	28	1.79	0.00	1,034.62	1,034.62	
WIENER, MELVIN AND MARIAM S.	30	18	18	0	0	36	0	18	0	0	0.00	0.00	0.00	0.00	
WOOD, MICHAEL AND DENISE	0	0	0	0	44	44	44	0	0	0	0.00	0.00	0.00	0.00	
WYATT FAMILY TRUST	70	56	56	(56)	0	56	0	56	0	0	0.00	0.00	0.00	0.00	
TOTAL	114,308	70,469	22,113	(14,073)	(428)	78,081	74,317	6,885	2,986	56,387	15.21	1,725,908.00	8,791.38	1,734,699.38	

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	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2017-18 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT	MAKEUP	TOTAL	
				2016-17 CARRYOVER ³	2017-18 FPA ⁴							WATER	WATER		
												\$578.00/AF	N/A		
APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT	29	24	24	(19)	(24)	5	0	0	0	0	0.00	0.00	0.00	0.00	
AQUA CAPITAL MANAGEMENT, LP	2,336	1,869	1,869	(1,834)	(1,869)	35	0	0	0	0	0.00	0.00	0.00	0.00	
ATCHISON, TOPEKA, SANTA FE RAILWAY COMPANY	120	96	96	(96)	(96)	0	0	0	0	0	0.00	0.00	0.00	0.00	
BAR-LEN MUTUAL WATER COMPANY	48	39	23	0	0	62	29	33	0	29	0.00	0.00	0.00	0.00	
BARSTOW COMMUNITY DEVELOPERS, LLC	0	0	0	0	17	17	17	0	0	0	0.00	0.00	0.00	0.00	
BEST, BYRON L.	21	17	17	0	0	34	0	17	0	0	0.00	0.00	0.00	0.00	
BROMMER FAMILY TRUST	361	289	0	0	(289)	0	0	0	0	0	0.00	0.00	0.00	0.00	
CHAFAR, LARRY R. AND DELINDA C.	46	37	37	0	0	74	1	37	0	1	0.00	0.00	0.00	0.00	
CHOI, YONG IL AND JOUNG AE	38	31	31	0	0	62	0	31	0	0	0.00	0.00	0.00	0.00	
CHONG, JOAN	52	42	42	0	0	84	28	42	0	28	0.00	0.00	0.00	0.00	
CHRISTISON, JOEL	75	60	60	0	0	120	1	60	0	1	0.00	0.00	0.00	0.00	
CONTRATTO, ERSULA	151	121	121	(121)	(120)	1	1	0	0	1	0.00	0.00	0.00	0.00	
DARR, JAMES S.	408	327	327	0	0	654	308	327	0	308	0.00	0.00	0.00	0.00	
DE VRIES, NEIL AND MARY FAMILY TRUST	3,800	3,040	3,040	0	0	6,080	1	3,040	0	1	0.00	0.00	0.00	0.00	
DORRANCE, DAVID W. AND TAMELA L.	19	16	0	0	(16)	0	0	0	0	0	0.00	0.00	0.00	0.00	
EYGNOR, ROBERT E.	50	40	40	(40)	0	40	0	40	0	0	0.00	0.00	0.00	0.00	
FEDERAL NATIONAL MORTGAGE ASSOCIATION - FANNIE MAE	30	24	24	0	0	48	0	24	0	0	0.00	0.00	0.00	0.00	
FRATES, D. COLE	13	11	0	0	(11)	0	0	0	0	0	0.00	0.00	0.00	0.00	
FRIEND, JOSEPH AND DEBORAH	60	48	48	0	0	96	11	48	0	11	0.00	0.00	0.00	0.00	
GABRYCH, EUGENE	132	106	106	0	0	212	0	106	0	0	0.00	0.00	0.00	0.00	
GAINES FAMILY TRUST, JACK AND MARY	92	74	74	0	0	148	0	74	0	0	0.00	0.00	0.00	0.00	
GOLDEN STATE WATER COMPANY	14,407	11,526	11,526	(3,365)	(1,106)	18,581	5,582	10,420	0	5,582	0.00	0.00	0.00	0.00	
GRILL, NICHOLAS P. AND MILLIE D. (SEE NOTE 15)	0	0	0	0	116	116	71	0	0	0	0.00	0.00	0.00	0.00	
GUTIERREZ, JOSE AND GLORIA	130	104	89	0	0	193	95	98	0	95	0.00	0.00	0.00	0.00	
HANIFY, MICHAEL D., DBA - WHITE BEAR RANCH	152	122	23	(23)	(122)	0	0	0	0	0	0.00	0.00	0.00	0.00	
HARMSER FAMILY TRUST	722	578	578	0	0	1,156	462	578	0	462	0.00	0.00	0.00	0.00	
HARPER LAKE COMPANY VIII	1,433	1,147	957	0	0	2,104	1,074	1,030	0	1,074	0.00	0.00	0.00	0.00	
HELENDAL COMMUNITY SERVICES DISTRICT	19	16	0	0	(16)	0	0	0	0	0	0.00	0.00	0.00	0.00	
HENSLEY, MARK P.	27	22	22	0	0	44	22	22	0	22	0.00	0.00	0.00	0.00	
HI DESERT MUTUAL WATER COMPANY	34	28	19	0	0	47	20	27	0	20	0.00	0.00	0.00	0.00	
HIGH DESERT ASSOCIATES, INC.	513	411	411	0	0	822	0	411	0	0	0.00	0.00	0.00	0.00	
HILL FAMILY TRUST AND HILL'S RANCH, INC.	2,335	1,868	1,868	(338)	(1,239)	2,159	40	629	0	40	0.00	0.00	0.00	0.00	
HOWARD, ET AL.	43	35	35	0	0	70	0	35	0	0	0.00	0.00	0.00	0.00	
HUERTA, HECTOR	656	525	525	800	0	1,850	924	525	0	924	0.00	0.00	0.00	0.00	
JONES, JOETTE	22	18	18	0	0	36	0	18	0	0	0.00	0.00	0.00	0.00	
JORDAN FAMILY TRUST	460	368	368	(368)	(364)	4	4	0	0	4	0.00	0.00	0.00	0.00	

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				2016-17	2017-18							WATER	WATER	
				CARRYOVER ³	FPA ⁴							\$578.00/AF	N/A	
KASNER FAMILY LIMITED PARTNERSHIP	421	337	337	0	(213)	461	0	124	0	0	0.00	0.00	0.00	0.00
KIM, JIN S. AND HYUN H.	190	152	152	(152)	(152)	0	0	0	0	0	0.00	0.00	0.00	0.00
LEE, ET AL., SEPOONG AND WOO POONG	77	62	62	0	0	124	1	62	0	1	0.00	0.00	0.00	0.00
LEYERLY, GENEVA (SEE NOTE 12)	65						4							
MCCOLLUM, CHARLES L.	115	92	92	0	0	184	0	92	0	0	0.00	0.00	0.00	0.00
MEAD FAMILY TRUST	115	92	92	0	0	184	1	92	0	1	0.00	0.00	0.00	0.00
MOJAVE SOLAR, LLC	5,239	4,192	4,192	0	0	8,384	1,632	4,192	0	1,632	0.00	0.00	0.00	0.00
MOST FAMILY TRUST	56	45	45	0	0	90	0	45	0	0	0.00	0.00	0.00	0.00
ODESSA WATER DISTRICT	299	240	240	0	0	480	0	240	0	0	0.00	0.00	0.00	0.00
OHAI, REYNOLDS AND DOROTHY	137	110	110	0	0	220	1	110	0	1	0.00	0.00	0.00	0.00
OSTERKAMP, GEROLD (SEE NOTE 12)	260						125							
PACIFIC GAS AND ELECTRIC COMPANY	4,474	3,580	3,580	(150)	0	7,010	2,726	3,580	0	2,726	0.00	0.00	0.00	0.00
RIOS, MARIANO V.	8	7	5	0	0	12	6	6	0	6	0.00	0.00	0.00	0.00
RIVERO, FIDEL V.	20	16	16	0	0	32	1	16	0	1	0.00	0.00	0.00	0.00
RUISCH TRUST, DALE W. AND NELLIE H.	650	520	259	150	0	929	648	281	0	648	0.00	0.00	0.00	0.00
RUISCH, ET AL. (SEE NOTE 12)	862						475							
SERVICE ROCK PRODUCTS CORPORATION	766	613	613	0	0	1,226	18	613	0	18	0.00	0.00	0.00	0.00
SEXTON, RODNEY A. AND SEXTON, DEREK R.	232	186	186	0	0	372	0	186	0	0	0.00	0.00	0.00	0.00
SOPPELAND REVOCABLE TRUST	478	383	197	(197)	(25)	358	1	357	0	1	0.00	0.00	0.00	0.00
SYNAGROW-WWT, INC. (DBA NURSURY PRODUCTS, LLC) (FORMERLY: NURSURY PRODUCTS, LLC)	0	0	0	0	8	8	4	0	0	0	0.00	0.00	0.00	0.00
TALLAKSON FAMILY REVOCABLE TRUST	17	14	14	0	0	28	6	14	0	6	0.00	0.00	0.00	0.00
VALENTI, VITO	17	14	14	0	0	28	0	14	0	0	0.00	0.00	0.00	0.00
VAN DAM REVOCABLE TRUST, E AND S	722	578	578	(129)	(116)	911	162	462	0	162	0.00	0.00	0.00	0.00
VAN LEEUWEN, JOHN	1,465	1,172	1,172	0	0	2,344	1,292	1,052	0	1,292	0.00	0.00	0.00	0.00
VERNOLA TRUST, PAT AND MARY ANN	3,116	2,493	2,493	1,600	0	6,586	3,317	2,493	0	3,317	0.00	0.00	0.00	0.00
VICTORVILLE WATER DISTRICT, ID#1	796	637	0	0	(637)	0	0	0	0	0	0.00	0.00	0.00	0.00
WERNER, ANDREW J.	18	15	0	0	(15)	0	0	0	0	0	0.00	0.00	0.00	0.00
WESTERN DEVELOPMENT AND STORAGE, LLC	6	5	0	0	(5)	0	0	0	0	0	0.00	0.00	0.00	0.00
WITHEY, CONNIE	22	18	18	0	0	36	1	18	0	1	0.00	0.00	0.00	0.00
TOTAL	49,477	38,652	36,885	(4,282)	(6,294)	64,961	19,112	31,721	0	18,416	0.00	0.00	0.00	0.00

APPENDIX I

MARCH 25, 2020

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AND ALL OTHER ERRATA**

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BAJA SUBAREA

PRODUCER	2017-18 FREE PRODUCTION ALLOWANCE						PRODUCTION			ASSESSMENTS DUE BY JULY 1, 2019 (AMOUNTS IN DOLLARS)				
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2017-18 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT	MAKEUP	TOTAL
				2016-17 CARRYOVER ³	2017-18 FPA ⁴							WATER	WATER	
												\$578.00/AF	N/A	
35250 YERMO, LLC	24	10	9	0	0	19	14	5	0	14	0.00	0.00	0.00	0.00
AHN, CHUN SOO AND WHA JA	50	20	23	0	0	43	1	20	0	1	0.00	0.00	0.00	0.00
AKE, CHARLES J. AND MARJORIE M.	23	10	11	0	0	21	0	10	0	0	0.00	0.00	0.00	0.00
ARCHIBEK, ERIC	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
ARGUELLES, ALFREDO	647	259	292	0	0	551	251	259	0	251	0.00	0.00	0.00	0.00
ATCHISON, TOPEKA, SANTA FE RAILWAY COMPANY	80	32	0	0	50	82	57	0	0	32	0.00	0.00	0.00	0.00
BAILEY 2007 LIVING REVOCABLE TRUST, SHERÉ R.	27	11	13	0	0	24	0	11	0	0	0.00	0.00	0.00	0.00
BARBER, JAMES B.	167	67	76	(70)	0	73	41	32	0	41	0.00	0.00	0.00	0.00
BARON, SUSAN AND PALMER, CURTIS	26	11	12	0	0	23	0	11	0	0	0.00	0.00	0.00	0.00
BENDER TRUST, DOLORES M.	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
BORGOGNO REVOCABLE LIVING TRUST	1,844	738	369	390	0	1,497	761	736	0	761	0.00	0.00	0.00	0.00
BORJA, LEONIL T. AND TITAL L.	20	8	9	0	0	17	0	8	0	0	0.00	0.00	0.00	0.00
BREDELIS, RONALD C. AND JEAN	64	26	29	0	0	55	27	26	0	27	0.00	0.00	0.00	0.00
BROWN, RONALD A.	1,080	432	162	0	0	594	174	420	0	174	0.00	0.00	0.00	0.00
BUBIER, DIANE GAIL (FORMERLY: SHORT, CHARLES H REVOCABLE TRUST)	54	22	0	25	0	47	12	22	0	12	0.00	0.00	0.00	0.00
BUDGET FINANCE COMPANY	32	13	15	0	0	28	0	13	0	0	0.00	0.00	0.00	0.00
BUSH, KEVIN	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CALICO JUNCTION	20	8	9	0	0	17	0	8	0	0	0.00	0.00	0.00	0.00
CALICO LAKES HOMEOWNERS ASSOCIATION (SEE NOTE 16)	1,293	518	525	(110)	0	933	259	518	0	259	0.00	0.00	0.00	0.00
CALIFORNIA DEPARTMENT OF TRANSPORTATION	71	29	32	0	0	61	16	29	0	16	0.00	0.00	0.00	0.00
CALMAT COMPANY	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CAMANGA, TONY AND MARIETTA	47	19	22	0	0	41	1	19	0	1	0.00	0.00	0.00	0.00
CAMPBELL, M. A. AND DIANNE	22	9	10	0	0	19	0	9	0	0	0.00	0.00	0.00	0.00
CARLTON, SUSAN	155	62	70	0	0	132	1	62	0	1	0.00	0.00	0.00	0.00
CDFW - CAMP CADY	921	369	415	0	0	784	79	369	0	79	0.00	0.00	0.00	0.00
CF PROPERTIES, LLC	845	338	381	(160)	0	559	211	338	0	211	0.00	0.00	0.00	0.00
CHEYENNE LAKE, INC.	522	209	197	103	0	509	197	209	0	197	0.00	0.00	0.00	0.00
CLARK, ARTHUR	50	20	23	0	0	43	0	20	0	0	0.00	0.00	0.00	0.00
CONNER, WILLIAM H.	25	10	12	0	0	22	0	10	0	0	0.00	0.00	0.00	0.00
CORBRIDGE, LINDA S.	32	13	15	0	0	28	9	13	0	9	0.00	0.00	0.00	0.00
CROSS, FRANCIS AND BEVERLY	40	16	18	0	0	34	0	16	0	0	0.00	0.00	0.00	0.00
CRYSTAL LAKES PROPERTY OWNERS ASSOCIATION	701	281	316	140	0	737	429	281	0	429	0.00	0.00	0.00	0.00
DAGGETT COMMUNITY SERVICES DISTRICT	304	122	0	0	94	216	216	0	0	122	0.00	0.00	0.00	0.00
DAGGETT RANCH, LLC	76	31	35	0	0	66	37	29	0	37	0.00	0.00	0.00	0.00
DE JONG FAMILY TRUST	3,131	1,253	1,409	545	0	3,207	1,770	1,253	0	1,770	0.00	0.00	0.00	0.00

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				2016-17 CARRYOVER ³	2017-18 FPA ⁴							WATER	WATER		
												\$578.00/AF	N/A		
DENNISON, QUENTIN D. - CLEGG, FRIZELL AND JOKE	29	12	14	0	0	26	0	12	0	0	0.00	0.00	0.00	0.00	
DOCIMO LIVING TRUST, ALLEN LEE	109	44	33	32	0	109	65	28	0	65	0.00	0.00	0.00	0.00	
DONALDSON, JERRY AND BEVERLY	90	36	41	0	0	77	1	36	0	1	0.00	0.00	0.00	0.00	
DOWELL, LEONARD	23	10	11	0	0	21	0	10	0	0	0.00	0.00	0.00	0.00	
EVERT FAMILY TRUST	173	70	7	0	0	77	36	41	0	36	0.00	0.00	0.00	0.00	
FEJFAR, MONICA KAY	20	8	9	0	0	17	0	8	0	0	0.00	0.00	0.00	0.00	
FERNANDEZ, ARTURO	76	31	35	0	0	66	0	31	0	0	0.00	0.00	0.00	0.00	
FERRO, DENNIS AND NORMA	32	13	15	0	0	28	0	13	0	0	0.00	0.00	0.00	0.00	
FIRST CPA LLC	57	23	24	0	0	47	33	14	0	33	0.00	0.00	0.00	0.00	
FUNDAMENTAL CHRISTIAN ENDEAVORS, INC.	425	170	192	0	0	362	122	170	0	122	0.00	0.00	0.00	0.00	
GABRYCH, EUGENE	1,637	655	679	0	0	1,334	823	511	0	823	0.00	0.00	0.00	0.00	
GARCIA, DANIEL	23	10	11	0	0	21	2	10	0	2	0.00	0.00	0.00	0.00	
GARG, OM P.	483	194	218	0	0	412	5	194	0	5	0.00	0.00	0.00	0.00	
GENON ENERGY, INC.	7,194	2,878	3,238	(3,238)	0	2,878	754	2,124	0	754	0.00	0.00	0.00	0.00	
GRAY, GEORGE F. AND BETTY E.	94	38	43	0	0	81	0	38	0	0	0.00	0.00	0.00	0.00	
HACKBARTH, EDWARD E.	1,517	607	140	555	0	1,302	861	441	0	861	0.00	0.00	0.00	0.00	
HANSON AGGREGATES WRP, INC.	31	13	14	0	0	27	0	13	0	0	0.00	0.00	0.00	0.00	
HARESON, NICHOLAS AND MARY	8	4	4	0	0	8	0	4	0	0	0.00	0.00	0.00	0.00	
HARTER, JOE AND SUE	5,234	2,094	2,356	0	0	4,450	2,582	1,868	0	2,582	0.00	0.00	0.00	0.00	
HASS, PAULINE L.	35	14	15	(14)	0	15	1	14	0	1	0.00	0.00	0.00	0.00	
HAWKINS, JAMES B. (FORMERLY: WESTERN HERITAGE, INC.)	854	342	0	385	0	727	0	342	0	0	0.00	0.00	0.00	0.00	
HENDLEY, RICK AND BARBARA	48	20	22	0	0	42	13	20	0	13	0.00	0.00	0.00	0.00	
HIETT, HARRY L.	29	12	14	0	(10)	16	2	2	0	2	0.00	0.00	0.00	0.00	
HILARIDES 1998 REVOCABLE FAMILY TRUST	303	122	136	(135)	(80)	43	2	41	0	2	0.00	0.00	0.00	0.00	
HO, TING-SENG AND AH-GIT	300	120	135	0	0	255	0	120	0	0	0.00	0.00	0.00	0.00	
HOLLISTER, ROBERT H. AND RUTH M.	44	18	20	0	0	38	2	18	0	2	0.00	0.00	0.00	0.00	
HONG, PAUL B. AND MAY	85	34	39	0	0	73	0	34	0	0	0.00	0.00	0.00	0.00	
HOOD FAMILY TRUST	41	17	19	0	0	36	2	17	0	2	0.00	0.00	0.00	0.00	
HORTON, JOHN	242	97	109	(97)	(97)	12	0	0	0	0	0.00	0.00	0.00	0.00	
HORTON'S CHILDREN'S TRUST	199	80	0	0	52	132	123	0	0	80	0.00	0.00	0.00	0.00	
HUBBARD, ESTER AND MIZUNO, ARLEAN	28	12	13	0	0	25	3	12	0	3	0.00	0.00	0.00	0.00	
HUNT, RALPH M. AND LILLIAN F.	51	21	23	0	0	44	4	21	0	4	0.00	0.00	0.00	0.00	
HYATT, JAMES AND BRENDA	210	84	95	0	0	179	17	84	0	17	0.00	0.00	0.00	0.00	
IM, NICHOLAS NAK-KYUN	150	60	68	0	0	128	62	60	0	62	0.00	0.00	0.00	0.00	
IRVIN, BERTRAND W.	29	12	14	10	0	36	14	12	0	14	0.00	0.00	0.00	0.00	
ITALMOOD INC., ET. AL.	190	76	86	0	0	162	20	76	0	20	0.00	0.00	0.00	0.00	

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				2016-17 CARRYOVER ³	2017-18 FPA ⁴							WATER	WATER	
												\$578.00/AF	N/A	
JACKS, JAMES F.	10	4	5	0	0	9	1	4	0	1	0.00	0.00	0.00	0.00
JACKSON, JAMES N. JR REVOCABLE LIVING TRUST	54	22	25	(10)	0	37	0	22	0	0	0.00	0.00	0.00	0.00
JACKSON, RAY REVOCABLE TRUST NO. 45801	1	1	1	0	0	2	0	1	0	0	0.00	0.00	0.00	0.00
JOHNSON, JAMES R. AND ELLEN	247	99	89	(89)	0	99	26	73	0	26	0.00	0.00	0.00	0.00
KARIMI, HOOSHANG	70	28	32	0	0	60	0	28	0	0	0.00	0.00	0.00	0.00
KASNER FAMILY LIMITED PARTNERSHIP	843	338	0	0	516	854	854	0	0	338	0.00	0.00	0.00	0.00
KASNER, ROBERT (SEE NOTE 15)	5,713	2,286	993	1,124	(516)	3,887	2,721	1,166	0	2,721	0.00	0.00	0.00	0.00
KATCHER, AUGUST M. AND MARCELINE	23	10	11	0	0	21	1	10	0	1	0.00	0.00	0.00	0.00
KEMP, ROBERT AND ROSE	32	13	15	0	0	28	0	13	0	0	0.00	0.00	0.00	0.00
KIM, JOON HO AND MAL BOON REVOCABLE TRUST	764	306	343	0	0	649	337	306	0	337	0.00	0.00	0.00	0.00
KIM, SEON JA	50	20	23	0	0	43	1	20	0	1	0.00	0.00	0.00	0.00
KOEGLER, RONALD R. AND CAROLYN V.	26	11	12	0	0	23	14	9	0	14	0.00	0.00	0.00	0.00
KOERING, RICHARD AND KOERING, DONNA	20	8	9	0	0	17	1	8	0	1	0.00	0.00	0.00	0.00
KOROGHLIAN, TED AND NAJWA	15	6	2	0	0	8	7	1	0	7	0.00	0.00	0.00	0.00
KOSHAREK, JOHN AND JOANN	54	22	25	0	0	47	10	22	0	10	0.00	0.00	0.00	0.00
LAKE JODIE PROPERTY OWNERS ASSOCIATION	311	125	140	180	0	445	304	125	0	304	0.00	0.00	0.00	0.00
LAKE WAIKIKI	98	40	45	0	0	85	0	40	0	0	0.00	0.00	0.00	0.00
LAKE WAINANI OWNERS ASSOCIATION	938	376	230	0	0	606	203	298	0	203	0.00	0.00	0.00	0.00
LAM, PHILLIP	105	42	48	0	0	90	7	42	0	7	0.00	0.00	0.00	0.00
LANGLEY, MICHAEL R. AND SHARON	20	8	7	0	0	15	12	3	0	12	0.00	0.00	0.00	0.00
LAVANH, ET AL.	24	10	11	0	0	21	1	10	0	1	0.00	0.00	0.00	0.00
LAWRENCE, WILLIAM W.	45	18	21	0	0	39	1	18	0	1	0.00	0.00	0.00	0.00
LEE, VIN JANG T.	630	252	284	0	0	536	0	252	0	0	0.00	0.00	0.00	0.00
LEM, HOY	32	13	15	0	0	28	0	13	0	0	0.00	0.00	0.00	0.00
LIANG, YUAN - I AND TZU - MEI CHEN	200	80	90	0	0	170	0	80	0	0	0.00	0.00	0.00	0.00
LIBERTY UTILITIES (APPLE VALLEY RANCHOS WATER) CORP.	453	182	204	(32)	0	354	138	182	0	138	0.00	0.00	0.00	0.00
LIN, KUAN JUNG AND CHUNG, DER-BING	451	181	203	0	0	384	0	181	0	0	0.00	0.00	0.00	0.00
LO, ET AL.	59	24	2	0	0	26	30	0	4	26	0.00	2,312.00	0.00	2,312.00
M BIRD CONSTRUCTION	41	17	19	0	0	36	0	17	0	0	0.00	0.00	0.00	0.00
MAHJOUBI, AFSAR S.	63	26	29	0	0	55	0	26	0	0	0.00	0.00	0.00	0.00
MALONEY, JANICE	36	15	17	0	0	32	2	15	0	2	0.00	0.00	0.00	0.00
MANNING, SHARON S.	63	26	0	0	16	42	42	0	0	26	0.00	0.00	0.00	0.00
MARCROFT, JAMES A. AND JOAN	38	16	13	0	0	29	27	2	0	27	0.00	0.00	0.00	0.00
MARSHALL, CHARLES	20	8	9	0	0	17	0	8	0	0	0.00	0.00	0.00	0.00
MARTIN, MICHAEL D. AND ARLENE D.	63	26	0	0	0	26	42	0	16	26	0.00	9,248.00	0.00	9,248.00
MILBRAT, IRVING H.	73	30	33	0	0	63	32	30	0	32	0.00	0.00	0.00	0.00

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				2016-17 CARRYOVER ³	2017-18 FPA ⁴							WATER	WATER		
												\$578.00/AF	N/A		
MILLER LIVING TRUST	18	8	9	0	0	17	0	8	0	0	0.00	0.00	0.00	0.00	
MIZRAHIE, ET AL.	145	58	66	0	0	124	0	58	0	0	0.00	0.00	0.00	0.00	
MORRIS TRUST, JULIA V.	304	122	136	(135)	0	123	1	122	0	1	0.00	0.00	0.00	0.00	
MULLIGAN, ROBERT AND INEZ	35	14	16	0	0	30	0	14	0	0	0.00	0.00	0.00	0.00	
MURPHY, JEAN	24	10	11	0	(7)	14	4	3	0	4	0.00	0.00	0.00	0.00	
NEW SPRINGS LIMITED PARTNERSHIP	2,329	932	849	(175)	(516)	1,090	0	416	0	0	0.00	0.00	0.00	0.00	
NEWBERRY COMMUNITY SERVICES DISTRICT	23	10	4	0	0	14	11	3	0	11	0.00	0.00	0.00	0.00	
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	5	2	1	1	0	4	0	2	0	0	0.00	0.00	0.00	0.00	
O. F. D. L., INC.	300	120	98	91	0	309	167	120	0	167	0.00	0.00	0.00	0.00	
P AND H ENGINEERING AND DEVELOPMENT CORPORATION	667	267	301	0	0	568	0	267	0	0	0.00	0.00	0.00	0.00	
PATINO, JOSÉ	22	9	10	0	0	19	1	9	0	1	0.00	0.00	0.00	0.00	
PEARCE, CRAIG L.	150	60	68	0	0	128	13	60	0	13	0.00	0.00	0.00	0.00	
PERKO, BERT K.	132	53	60	0	0	113	41	53	0	41	0.00	0.00	0.00	0.00	
POLAND, JOHN R. AND KATHLEEN A.	92	37	42	0	0	79	13	37	0	13	0.00	0.00	0.00	0.00	
PORTER, TIMOTHY M.	30	12	14	0	0	26	0	12	0	0	0.00	0.00	0.00	0.00	
POZZATO PARTNERS, LIMITED	54	22	0	0	0	22	33	0	11	22	0.00	6,358.00	0.00	6,358.00	
PRICE, DONALD AND RUTH	42	17	19	0	0	36	1	17	0	1	0.00	0.00	0.00	0.00	
PRUETT, ANDREA	36	15	17	0	0	32	0	15	0	0	0.00	0.00	0.00	0.00	
QUAKENBUSH, SAMUEL R. (FORMERLY: SMITH, WILLIAM E. AND PATRICIA A.)	19	8	0	9	0	17	5	8	0	5	0.00	0.00	0.00	0.00	
QUIROS, FRANCISCO J. AND HERRMANN, RONALD	38	16	6	0	13	35	35	0	0	22	0.00	0.00	0.00	0.00	
RICE, HENRY C. AND DIANA	24	10	11	0	0	21	0	10	0	0	0.00	0.00	0.00	0.00	
RIZVI, S.R ALI	27	11	13	0	0	24	0	11	0	0	0.00	0.00	0.00	0.00	
ROSSI, JAMES L. AND NAOMI I.	614	246	183	0	0	429	321	108	0	321	0.00	0.00	0.00	0.00	
S AND B BROTHERS, LLC	221	89	65	0	0	154	52	89	0	52	0.00	0.00	0.00	0.00	
SAGABEAN-BARKER, KANOELOKELANI L.	34	14	16	0	0	30	14	14	0	14	0.00	0.00	0.00	0.00	
SAMRA, JAGTAR S.	30	12	14	0	0	26	9	12	0	9	0.00	0.00	0.00	0.00	
SAN BERNARDINO CO BARSTOW - DAGGETT AIRPORT	168	68	76	0	0	144	16	68	0	16	0.00	0.00	0.00	0.00	
SERVICE ROCK PRODUCTS CORPORATION	0	0	0	0	0	0	1	0	1	0	0.00	578.00	0.00	578.00	
SHAW, ROBERT M. AND LORI A. SLATER-SHAW	43	18	20	0	0	38	11	18	0	11	0.00	0.00	0.00	0.00	
SHENG, JEN	33	14	15	0	0	29	1	14	0	1	0.00	0.00	0.00	0.00	
SHEPPARD, THOMAS AND GLORIA	217	87	98	0	0	185	8	87	0	8	0.00	0.00	0.00	0.00	
SHORT, CHARLES H. REVOCABLE TRUST	0	0	25	(25)	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
SHORT, JEROME E.	30	12	12	0	0	24	17	7	0	17	0.00	0.00	0.00	0.00	
SINGH, ET AL.	31	13	14	0	0	27	0	13	0	0	0.00	0.00	0.00	0.00	
SMITH, DENISE DBA AMEREQUINE BEAUTY, INC	0	0	0	0	91	91	91	0	0	0	0.00	0.00	0.00	0.00	
SMITH, PORTER AND ANITA	25	10	12	0	0	22	0	10	0	0	0.00	0.00	0.00	0.00	

**AMENDED APPENDIX B FOR WATER YEAR 2017-18
RECONCILED FOR CARRYOVER TRANSFERS IN LIEU OF PAYMENT OF REPLACEMENT AND MAKEUP WATER ASSESSMENTS
AND ALL OTHER ERRATA**

(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)

BAJA SUBAREA

PRODUCER	2017-18 FREE PRODUCTION ALLOWANCE						PRODUCTION					ASSESSMENTS DUE BY JULY 1, 2019 (AMOUNTS IN DOLLARS)		
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2017-18 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT	MAKEUP	TOTAL
				2016-17 CARRYOVER ³	2017-18 FPA ⁴							WATER	WATER	
												\$578.00/AF	N/A	
SMITH, WILLIAM E. AND PATRICIA A.	0	0	9	(9)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
SOUTHERN CALIFORNIA EDISON COMPANY	600	240	270	0	0	510	0	240	0	0	0.00	0.00	0.00	0.00
SOUTHERN CALIFORNIA GAS COMPANY	98	40	45	0	0	85	7	40	0	7	0.00	0.00	0.00	0.00
SPERRY, WESLEY	4	2	47	0	0	49	0	2	0	0	0.00	0.00	0.00	0.00
ST. ANTONY COPTIC ORTHODOX MONASTERY	130	52	205	0	200	457	208	249	0	208	0.00	0.00	0.00	0.00
STARKE, GEORGE A. AND JAYNE E.	23	10	11	0	0	21	0	10	0	0	0.00	0.00	0.00	0.00
SUNDOWN LAKES, INC.	420	168	154	80	0	402	168	168	0	168	0.00	0.00	0.00	0.00
SUNRAY LAND COMPANY, LLC	63	26	29	0	0	55	1	26	0	1	0.00	0.00	0.00	0.00
SZYKOWSKI, RUTH J.	29	12	14	0	0	26	2	12	0	2	0.00	0.00	0.00	0.00
TAPIE, RAYMOND L.	18	8	9	0	0	17	1	8	0	1	0.00	0.00	0.00	0.00
TEISAN, JERRY	96	39	44	0	0	83	0	39	0	0	0.00	0.00	0.00	0.00
THAYER, SHARON	97	39	44	0	0	83	30	39	0	30	0.00	0.00	0.00	0.00
THOMAS, STEPHEN AND LORI	49	20	23	0	0	43	6	20	0	6	0.00	0.00	0.00	0.00
TRIPLE H PARTNERSHIP	218	88	99	0	0	187	92	88	0	92	0.00	0.00	0.00	0.00
TSUI, RICHARD	0	0	213	(213)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
TURNER, TERRY	30	12	14	0	0	26	1	12	0	1	0.00	0.00	0.00	0.00
UNION PACIFIC RAILROAD COMPANY	249	100	113	0	0	213	66	100	0	66	0.00	0.00	0.00	0.00
VACA, ANDY AND TERESITA S.	20	8	7	0	0	15	9	6	0	9	0.00	0.00	0.00	0.00
VAN BASTELAAR, ALPHONSE	78	32	0	0	62	94	94	0	0	32	0.00	0.00	0.00	0.00
VAN DAM FAMILY TRUST, GLEN AND JENNIFER	5,430	2,172	2,444	0	0	4,616	3,134	1,482	0	3,134	0.00	0.00	0.00	0.00
VAN LEEUWEN, JOHN	2,018	808	868	0	0	1,676	1,027	649	0	1,027	0.00	0.00	0.00	0.00
VANDER DUSSEN TRUST, AGNES AND EDWARD	1,792	717	565	0	0	1,282	839	443	0	839	0.00	0.00	0.00	0.00
WANG, STEVEN	10	4	5	0	0	9	0	4	0	0	0.00	0.00	0.00	0.00
WARD, RAYMOND (SEE NOTE 15)	105	42	0	0	80	122	76	0	0	42	0.00	0.00	0.00	0.00
WEEMS, LIZZIE	53	22	24	0	0	46	10	22	0	10	0.00	0.00	0.00	0.00
WEERASINGHE, MAITHRI N.	15	6	7	0	0	13	1	6	0	1	0.00	0.00	0.00	0.00
WESTERN HORIZON ASSOCIATES, INC.	1,363	546	199	(86)	0	659	479	180	0	479	0.00	0.00	0.00	0.00
WET SET, INC.	404	162	114	0	0	276	135	89	0	135	0.00	0.00	0.00	0.00
WITTE, E. DANIEL AND MARCIA	27	11	13	0	0	24	1	11	0	1	0.00	0.00	0.00	0.00
WLSR, INC.	328	132	113	73	0	318	133	132	0	133	0.00	0.00	0.00	0.00
WORSEY, JOSEPH A. AND REVAE	29	12	14	0	0	26	0	12	0	0	0.00	0.00	0.00	0.00
TOTAL	63,929	25,632	23,423	(855)	(52)	48,148	22,312	19,994	32	21,386	0.00	18,496.00	0.00	18,496.00

APPENDIX I - SUMMARY

MARCH 25, 2020

AMENDED APPENDIX B FOR WATER YEAR 2017-18
RECONCILED FOR CARRYOVER TRANSFERS IN LIEU OF PAYMENT OF REPLACEMENT AND MAKEUP WATER ASSESSMENTS
AND ALL OTHER ERRATA

(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)

SUBAREA	BASE ANNUAL PRODUCTION	2017-18 FREE PRODUCTION ALLOWANCE					PRODUCTION					ASSESSMENTS DUE BY JULY 1, 2019 (AMOUNTS IN DOLLARS)		
		BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2017-18 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	PRODUCTION SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT WATER	MAKEUP WATER	TOTAL
				2016-17 CARRYOVER ³	2017-18 FPA ⁴									
ESTE	19,251	15,422	15,109	(312)	0	30,219	4,101	14,740	0	3,707	0.00	0.00	0.00	0.00
OESTE	6,857	5,487	4,156	0	0	9,643	3,706	4,511	0	3,706	0.00	0.00	0.00	0.00
ALTO	114,308	70,469	22,113	(14,073)	(428)	78,081	74,317	6,885	2,986	56,387	15.21	1,725,908.00	8,791.38	1,734,699.38
CENTRO	49,477	38,652	36,885	(4,282)	(6,294)	64,961	19,112	31,721	0	18,416	0.00	0.00	0.00	0.00
BAJA	63,929	25,632	23,423	(855)	(52)	48,148	22,312	19,994	32	21,386	0.00	18,496.00	0.00	18,496.00
GRAND TOTAL	253,822	155,662	101,686	(19,522)	(6,774)	231,052	123,548	77,851	3,018	103,602	15.21	1,744,404.00	8,791.38	1,753,195.38

NOTES FOR APPENDIX I

- 1 EQUAL TO 80% OF BASE ANNUAL PRODUCTION IN THE ESTE, OESTE AND CENTRO SUBAREAS AND FOR THE AGRICULTURAL PRODUCERS IN THE ALTO SUBAREA. EQUAL TO 60% OF BASE ANNUAL PRODUCTION FOR THE MUNICIPAL AND INDUSTRIAL PRODUCERS IN THE ALTO SUBAREA. EQUAL TO 40% OF BASE ANNUAL PRODUCTION IN THE BAJA SUBAREA.
- 2 UNUSED FPA FROM 2016-17 NET OF ANY TRANSFERS DURING 2016-17.
- 3 TRANSFERS OF 2016-17 UNUSED FPA FOR USE DURING 2017-18. AMOUNTS SOLD OR OTHERWISE RELINQUISHED ARE SHOWN IN PARENTHESIS. SEE APPENDIX E.
- 4 TRANSFERS OF 2017-18 BASE FREE PRODUCTION ALLOWANCE. AMOUNTS SOLD OR OTHERWISE RELINQUISHED ARE SHOWN IN PARENTHESIS. SEE APPENDIX E.
- 5 TOTAL FREE PRODUCTION ALLOWANCE FOR 2017-18 IS EQUAL TO THE SUM OF BASE FREE PRODUCTION ALLOWANCE, CARRYOVER AND TRANSFERS.
- 6 2017-18 VERIFIED PRODUCTION.
- 7 UNUSED FPA IS EQUAL TO THE TOTAL FPA MINUS TOTAL VERIFIED PRODUCTION, BUT NOT GREATER THAN THE SUM OF BASE FREE PRODUCTION ALLOWANCE AND 2017-18 FPA TRANSFERS.
- 8 WATER PRODUCTION IN EXCESS OF TOTAL FREE PRODUCTION ALLOWANCE.
- 9 PRODUCTION SUBJECT TO MAKEUP OBLIGATION IS EQUAL TO THE TOTAL VERIFIED PRODUCTION NOT TO EXCEED THE TOTAL FREE PRODUCTION ALLOWANCE.
- 10 PHELAN PIÑON HILLS CSD'S WELL #14 IS NOT INCLUDED IN THE TOTAL VERIFIED PRODUCTION. THE MATTER OF PUMPING FROM WELL #14, LOCATED IN LA COUNTY, IS STILL UNRESOLVED AND MAY AFFECT FUTURE OBLIGATIONS UNDER THE JUDGMENT.
- 11 CDFW - MOJAVE RIVER FISH HATCHERY IS EXEMPT FROM ASSESSMENTS PURSUANT TO THE PROVISIONS OF EXHIBIT F OF THE JUDGMENT AFTER TRIAL, DATED JANUARY 10, 1996.
- 12 APPELLANTS NOT SUBJECT TO THE JUDGMENT AFTER TRIAL PURSUANT TO SUPREME COURT DECISION DATED AUGUST 21, 2000. THE AGGREGATE BASE ANNUAL PRODUCTION OF THESE PARTIES WAS DETERMINED PRIOR TO TRIAL AND CONSISTS OF 291 ACRE-FEET IN THE ALTO SUBAREA AND 1,187 ACRE-FEET IN THE CENTRO SUBAREA. THE VERIFIED PRODUCTION WAS ESTIMATED BY WATERMASTER FOR 2017-18 AND CONSISTS OF 1,209 ACRE-FEET IN THE ALTO SUBAREA AND 604 ACRE-FEET IN THE CENTRO SUBAREA.
- 13 THE VERIFIED PRODUCTION SHOWN INCLUDES MWA DELIVERIES THROUGH THE REGIONAL, RECHARGE AND RECOVERY PROJECT. DELIVERIES FOR 2017-18 WATER YEAR INCLUDE 226 ACRE-FEET FOR LIBERTY UTILITIES (APPLE VALLEY RANCHOS WATER) CORP., 1,744 ACRE-FEET FOR VICTORVILLE WATER DISTRICT, ID#1 AND 2,685 ACRE-FEET FOR VICTORVILLE WATER DISTRICT ID#2.
- 14 THE VERIFIED PRODUCTION SHOWN INCLUDES THE OPERATIONAL WATER USED FOR THE REGIONAL, RECHARGE AND RECOVERY PROJECT.
- 15 THE FPA HAS BEEN ADJUSTED 2 FOR 1 FOR THE CHANGE IN CONSUMPTIVE USE PURSUANT TO EXHIBIT F OF THE JUDGMENT.
- 16 THE VERIFIED PRODUCTION FOR CALICO LAKES HOMEOWNERS ASSOCIATION INCREASED BY 16 ACRE-FEET DUE TO A CHANGE IN THE DOMESTIC FLOW METER. IT WAS NOTED DURING THE 2018-19 VERIFICATION THAT THE METER WAS CHANGED ON 8/1/2018.

APPENDIX J

MOJAVE BASIN AREA WATERMASTER

NOTICE LIST

APPENDIX J

MARCH 25, 2020

MOJAVE BASIN AREA WATERMASTER NOTICE LIST

OWNER	DESIGNEE	OWNER	DESIGNEE
35250 YERMO, LLC	ROBERTO MUNOZ	BREDELIS, RONALD C. AND JEAN	RONALD C. AND JEAN BREDELIS
ABDUL, HARRY AND ANITA	JACKIE MCEVOY	BROMMER FAMILY TRUST	MARVIN AND CARROLL BROMMER
ABSHIRE, DAVID V.	JOHN MCCALLUM	BROWN, BOBBY G. AND VALERIA R.	PAUL JOHNSON
ADELANTO, CITY OF	DANIEL BEST	BROWN, JENNIFER	JENNIFER BROWN
ADES, JOHN AND DEVON	JOHN AND DEVON ADES	BRUNEAU, KAREN	KAREN BRUNEAU
AEROCHEM, INC.	KENT T. CHRISTENSEN	BRYANT, IAN	IAN BRYANT
AGCON, INC.	LORI CLIFTON	BUBIER, DIANE GAIL	DIANE GAIL BUBIER
AHN REVOCABLE LIVING TRUST	CHUN SOO AND WHA JA AHN	BUDGET FINANCE COMPANY	NOAH FURIE
AHN REVOCABLE TRUST	SIMON AHN	BUNNELL, DICK	DICK BUNNELL
AHN, CHUN SOO AND DAVID	DAVID AHN	BUSH, KEVIN	KEVIN BUSH
AHN, CHUN SOO AND WHA JA	CHUN SOO AHN	CALICO JUNCTION	HARVEY J. WALKER JR.
AKE, CHARLES J. AND MARJORIE M.	CHARLES J. AND MARJORIE M. AKE	CALICO LAKES HOMEOWNERS ASSOCIATION	IRMA RABAGO
AMERICAN STATES WATER COMPANY	ANA CHAVEZ	CALIFORNIA DEPARTMENT OF TRANSPORTATION	MICHAEL P. NAZE
ANDERSON, ROSS C. AND BETTY J.	ROSS C. AND BETTY J. ANDERSON	CALMAT COMPANY	ROBERT W. BOWCOCK
APPLE VALLEY FOOTHILL COUNTY WATER DISTRICT	DANIEL B. SMITH	CALMAT COMPANY	ROBERT W. BOWCOCK
APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT	MATTHEW PATTERSON	CALMAT COMPANY	ROBERT W. BOWCOCK
APPLE VALLEY UNIFIED SCHOOL DISTRICT	MATHEW SCHULENBERG	CALPORTLAND COMPANY - AGRICULTURE	JESSICA GAMMETT
APPLE VALLEY VIEW MUTUAL WATER COMPANY	EMELY AND JOE SALTMERIS	CALPORTLAND COMPANY - ORO GRANDE PLANT	JESSICA GAMMETT
APPLE VALLEY, TOWN OF	TINA KUHN	CAMANGA, TONY AND MARIETTA	TONY CAMANGA
AQUA CAPITAL MANAGEMENT, LP	DAVID L. PENRICE	CAMPBELL, M. A. AND DIANNE	M. A. AND DIANNE CAMPBELL
ARCHIBEK, ERIC	ERIC ARCHIBEK	CARLTON, SUSAN	SUSAN CARLTON
ARGUELLES, ALFREDO	ANGEL ARGUELLES	CASA COLINA FOUNDATION	KEVIN MANGOLD
ATCHISON, TOPEKA, SANTA FE RAILWAY COMPANY	BLAINE BILDERBACK	CDFW - CAMP CADY	RICHARD KIM
AVILA, ANGEL AND EVALIA	ANGEL AND EVALIA AVILA	CDFW - MOJAVE NARROWS REGIONAL PARK	JARED BEYELER
BAILEY 2007 LIVING REVOCABLE TRUST, SHERÉ R.	SHERÉ R. BAILEY	CDFW - MOJAVE RIVER FISH HATCHERY	PACO CABRAL
BAR H MUTUAL WATER COMPANY	DANIEL SHAW	CEMEX, INC.	ALEJANDRA SILVA
BARBER, JAMES B.	JAMES B. BARBER	CENTER WATER COMPANY	MARY TARRAB
BAR-LEN MUTUAL WATER COMPANY	CASEY SLUSSER	CHAF, LARRY R. AND DELINDA C.	ALLENE ROZELL CHERIE KRACK
BARON, SUSAN AND PALMER, CURTIS	CURTIS PALMER	CHAMISAL MUTUAL WATER COMPANY	MARY M ROSS
BARSTOW COMMUNITY DEVELOPERS, LLC	TEDDI MORAD	CHEYENNE LAKE, INC.	CARL PUGH
BASS TRUST, NEWTON T.	BARBARA DAVISON	CHOI, YONG IL AND JOUNG AE	YONG IL AND JOUNG AE CHOI
BASTIANON REVOCABLE TRUST	REMO E. BASTIANON	CHONG, JOAN	JOAN CHONG
BEEBE, ROBERT W. AND DOROTHY K.	ROBERT W. AND DOROTHY K. BEEBE	CHRISTISON, JOEL	JOEL CHRISTISON
BEINSCHROTH FAMILY TRUST	MIKE BEINSCHROTH	CHUNG, ET AL.	HWA-YONG CHUNG
BEINSCHROTH FAMILY TRUST	MIKE BEINSCHROTH	CLARK, ARTHUR	ARTHUR CLARK
BELL, CHARLES H. TRUST DATED MARCH 7, 2014	CHUCK BELL	CLUB VIEW PARTNERS	MANOUCHER SARBAZ
BENDER TRUST, DOLORES M.	DOLORES M. BENDER	CONNER, WILLIAM H.	WILLIAM H. CONNER
BEST, BYRON L.	BYRON L. BEST	CONTRATTO, ERSULA	ERSULA CONTRATTO
BORGOGNO REVOCABLE LIVING TRUST	ROBERTA BORGOGNO	CORBRIDGE, LINDA S.	GEORGE STARKE
BORJA, LEONIL T. AND TITAL L.	LEONIL T. AND TITAL L. BORJA	CROSS, FRANCIS AND BEVERLY	FRANCIS AND BEVERLY CROSS
BOX, GEARY S. AND LAURA	GEARY S. AND LAURA BOX	CROSS, SHARON I.	SHARON I. CROSS
BRACHT, WILLIAM F. AND ALEXANDER, ALICIA M.	ALICIA ALEXANDER	CRYSTAL LAKES PROPERTY OWNERS ASSOCIATION	ALESSIA MORRIS

APPENDIX J

MARCH 25, 2020

MOJAVE BASIN AREA WATERMASTER NOTICE LIST

OWNER	DESIGNEE	OWNER	DESIGNEE
DACOSTA, DEAN EDWARD	DEAN EDWARD DACOSTA	GARG, OM P.	OM P. GARG
DAGGETT COMMUNITY SERVICES DISTRICT	DANIEL LOWE	GAYJIKIAN, SAMUEL AND HAZEL	BRENT PETERSON
DAGGETT RANCH, LLC	STEVE AND DANA RIVETT	GENON CALIFORNIA SOUTH, LP	JEFFREY EDWARDS
DAHLQUIST, GEORGE R.	GEORGE R. DAHLQUIST	GOLDEN STATE WATER COMPANY	NEREIDA GONZALEZ
DARR, JAMES S.	JAMES S. DARR	GORDON ACRES WATER COMPANY	DENISE JOHNSON
DE JONG FAMILY TRUST	ALAN L. DE JONG	GRAY, GEORGE F. AND BETTY E.	GEORGE F. AND BETTY E. GRAY
DE VRIES, NEIL AND MARY FAMILY TRUST	MARY DE VRIES	GREEN ACRES ESTATES	BRIAN E. BOLIN
DENNISON, QUENTIN D. - CLEGG, FRIZELL AND JOKE	RANDY WAGNER	GRILL, NICHOLAS P. AND MILLIE D.	NICK GRILL
DESERT DAWN MUTUAL WATER COMPANY	MARIE MCDANIEL	GUBLER, HANS	HANS GUBLER
DESERT SPRINGS MUTUAL WATER COMPANY	DENISE COURTNEY	GULBRANSON, MERLIN	TAMARA J SKOGLUND
DJC CORPORATION	MAGDALENA JONES	GUTIERREZ, JOSE AND GLORIA	JOSE AND GLORIA GUTIERREZ
DLW REVOCABLE TRUST	DEBBY WYATT	HAAS, BRYAN C. AND HINKLE, MARY H.	BRYAN C. HAAS AND MARY H. HINKLE
DOLCH, ROBERT AND JUDY	LARRY WARREN	HACKBARTH, EDWARD E.	EDWARD E. HACKBARTH
DONALDSON, JERRY AND BEVERLY	JERRY AND BEVERLY DONALDSON	HALANNA EQUITIES III	ALEXANDRA LIOANAG
DORA LAND, INC.	JEFFERY LIDMAN	HAL-DOR LTD.	MAGDALENA JONES
DORRANCE, DAVID W. AND TAMELA L.	DAVID DORRANCE	HAMILTON FAMILY TRUST	DOUG AND CHERYL HAMILTON
DOWELL, LEONARD	LEONARD DOWELL	HANDRINOS, NICOLE A.	WILLIAM HANDRINOS
EVENSON, EDWIN H. AND JOYCELAINE C.	EDWIN H. AND JOYCELAINE C. EVENSON	HANIFY, MICHAEL D., DBA - WHITE BEAR RANCH	DONALD F. HANIFY
EVERT FAMILY TRUST	STEPHANIE L. EVERT	HANSON AGGREGATES WRP, INC.	MATT WOOD
EYGNOR, ROBERT E.	ROBERT E. EYGNOR	HARESON, NICHOLAS AND MARY	MARY JANE HARESON
FEDERAL BUREAU OF PRISONS, VICTORVILLE	DAVID DITTENMORE	HARMSEN FAMILY TRUST	KENNY HARMSEN
FEDERAL NATIONAL MORTGAGE ASSOCIATION - FANNIE MAE	TERESA W. MARIANOS	HARPER LAKE COMPANY VIII	NEAL DAVIES
FEJFAR, MONICA KAY	MONICA KAY FEJFAR	HARTER, JOE AND SUE	JOE AND SUE HARTER
FERNANDEZ, ARTURO	ARTURO FERNANDEZ	HARVEY, LISA M.	LISA M. HARVEY
FERRO, DENNIS AND NORMA	DENNIS AND NORMA FERRO	HASKINS, JAMES J.	JAMES J. HASKINS
FINCH, JENIFER	JENIFER FINCH	HASS, PAULINE L.	PAULINE L. HASS
FIRST CPA LLC	ALEX AND JERRICA LIU	HAWKINS, JAMES B.	JAMES B. HAWKINS
FISCHER REVOCABLE LIVING TRUST	CARL FISCHER	HELENDALE COMMUNITY SERVICES DISTRICT	CRAIG CARLSON
FISHER TRUST, JEROME R.	PAUL JOHNSON	HELENDALE COMMUNITY SERVICES DISTRICT	KIMBERLY COX
FOOTHILL ESTATES MHP, LLC	ALLEN YADGARI	HELENDALE SCHOOL DISTRICT	DEANNA DIBBLE
FOURFREE USA, INC.	JIN HYUNG KIM	HENDLEY, RICK AND BARBARA	JIM MARTIN
FRATES, D. COLE	D. COLE FRATES	HENSLEY, MARK P.	MARK P. HENSLEY
FRAZIER, ET AL.	MARTIN FRAZIER	HERT, SCOTT	SCOTT HERT
FRIEND, JOSEPH AND DEBORAH	DEBORAH A. FRIEND	HESPERIA - GOLF COURSE, CITY OF	JEREMY MCDONALD
FUNDAMENTAL CHRISTIAN ENDEAVORS, INC.	MARK ASAY	HESPERIA VENTURE I, LLC	JANIE MARTINES
GABRYCH, EUGENE	EUGENE GABRYCH	HESPERIA WATER DISTRICT	JEREMY MCDONALD
GABRYCH, EUGENE	MITCH HAMMACK	HESPERIA, CITY OF	JEREMY MCDONALD
GAETA, MIGUEL AND MARIA	MIGUEL AND MARIA GAETA	HETTINGA REVOCABLE TRUST	PATRICIA MOHR
GAETA, TRINIDAD	JAY STORER	HI DESERT MUTUAL WATER COMPANY	ED KNAUFF
GAINES FAMILY TRUST, JACK AND MARY	BRUCE GAINES	HIETT, HARRY L.	HARRY L. HIETT
GARCIA, DANIEL	DANIEL GARCIA	HIGH DESERT ASSOCIATES, INC.	ROBERT W. BOWCOCK
GARDENA MISSION CHURCH, INC.	SANG HWAL KIM	HI-GRADE MATERIALS COMPANY	LORI CLIFTON

APPENDIX J

MARCH 25, 2020

**MOJAVE BASIN AREA WATERMASTER
NOTICE LIST**

OWNER	DESIGNEE	OWNER	DESIGNEE
HI-GRADE MATERIALS COMPANY	LORI CLIFTON	KEMP, ROBERT AND ROSE	ROBERT AND ROSE KEMP
HI-GRADE MATERIALS COMPANY	LORI CLIFTON	KEMPER CAMPBELL RANCH	PEGGY SHAUGHNESSY
HILARIDES 1998 REVOCABLE FAMILY TRUST	FRANK HILARIDES	KIM, JIN S. AND HYUN H.	JIN S. AND HYUN H. KIM
HILL FAMILY TRUST AND HILL'S RANCH, INC.	KATHERINE HILL	KIM, JOON HO AND MAL BOON REVOCABLE TRUST	ALAN AND ANNETTE DE JONG
HITCHIN LUCERNE, INC.	MARY THOMAS	KIM, JU SANG	JU SANG KIM
HO, TING-SENG AND AH-GIT	TING-SENG AND AH-GIT HO	KIM, SEON JA	SEON JA KIM
HOLLISTER, ROBERT H. AND RUTH M.	JOAN ROHRER	KOEGLER, RONALD R. AND CAROLYN V.	RONALD R. AND CAROLYN V. KOEGLER
HOLWAY JEFFREY R AND PATRICIA GAGE	JEFFREY R HOLWAY AND PATRICIA GAGE	KOERING, RICHARD AND KOERING, DONNA	RICHARD KOERING AND DONNA
HOLWAY, JEFFREY R	JEFFREY R HOLWAY	KOROGHLIAN, TED AND NAJWA	TED AND NAJWA KOROGHLIAN
HONG, PAUL B. AND MAY	PAUL HONG	KOSHAREK, JOHN AND JOANN	JOHN AND JOANN KOSHAREK
HOOD FAMILY TRUST	SANDRA D. HOOD	LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT	CATHERINE CERRI
HORTON, JOHN	GRETCHEN HORTON	LAKE JODIE PROPERTY OWNERS ASSOCIATION	DANIEL LINDENMAN
HORTON'S CHILDREN'S TRUST	GRETCHEN HORTON	LAKE WAIKIKI	NANCY LAN
HOWARD, ET AL.	NORMAN A. HOWARD	LAKE WAINANI OWNERS ASSOCIATION	RON BASBAS
HUBBARD, ESTER AND MIZUNO, ARLEAN	ESTER HUBBARD	LAM, PHILLIP	PHILLIP LAM
HUERTA, HECTOR	JOHN DRISCOLL	LANGLEY, JAMES	JAMES LANGLEY
HUNT, CONNIE	CONNIE HUNT	LANGLEY, JAMES - INDUSTRIAL	JAMES LANGLEY
HUNT, RALPH M. AND LILLIAN F.	RALPH HUNT	LANGLEY, MICHAEL R. AND SHARON	MICHAEL R. AND SHARON LANGLEY
HYATT, JAMES AND BRENDA	DANIEL AND KAREN GRAY	LAVANH, ET AL.	VANESSA LAOSY
IM, NICHOLAS NAK-KYUN	STEVE KIM	LAWRENCE, WILLIAM W.	ROBERT LAWRENCE JR.
IRVIN, BERTRAND W.	BERTRAND W. IRVIN	LAWSON, ERNEST AND BARBARA	ERNEST AND BARBARA LAWSON
ITALMOOD INC., ET. AL.	SEBASTIAN MARZARO	LEE, ANNA K. AND ESHBAN K.	ANNA K. LEE
JACKS, JAMES F.	JAMES F. JACKS	LEE, DOO HWAN	DOO HWAN LEE
JACKSON, JAMES N. JR REVOCABLE LIVING TRUST	JAMES JACKSON JR.	LEE, ET AL., SEPOONG AND WOO POONG	SEPOONG & WOO POONG LEE
JACKSON, RAY REVOCABLE TRUST NO. 45801	LAWRENCE DEAN	LEE, VIN JANG T.	ERIC ARCHIBEK
JAMBOREE HOUSING CORPORATION	AUDREY GOLLER	LEM, HOY	VIRGINIA JANOVSKY
JESS RANCH WATER COMPANY	GARY A. LEDFORD	LENHERT, RONALD AND TONI	RONALD AND TONI LENHERT
JOHNSON, CARLEAN	CARLEAN JOHNSON	LHC ALLIGATOR, LLC	BRAD FRANCKE
JOHNSON, JAMES R. AND ELLEN	JAMES R. AND ELLEN JOHNSON	LIANG, YUAN - I AND TZU - MEI CHEN	BILLY LIANG
JOHNSON, RONALD	RONALD JOHNSON	LIBERTY UTILITIES (APPLE VALLEY RANCHOS WATER) CORP.	ERIC LARSEN
JOHNSTON, HARRIET AND JOHNSTON, LAWRENCE W.	LAWRENCE W. JOHNSTON	LIBERTY UTILITIES (APPLE VALLEY RANCHOS WATER) CORP.	ERIC LARSEN
JONES TRUST DATED MARCH 16, 2002	MAGDALENA JONES	LIN, KUAN JUNG AND CHUNG, DER-BING	JAMES LIN
JONES, JOETTE	JOETTE JONES	LO, ET AL.	MEI LI
JORDAN FAMILY TRUST	PAUL JORDAN	LOPEZ, BALTAZAR	PATRICIA MIRANDA
JUBILEE MUTUAL WATER COMPANY	RAY GAGNE	LOW, DEAN	DEAN LOW
JUNIPER RIVIERA COUNTY WATER DISTRICT	DENISE JOHNSON	LUA, MICHAEL T. AND DONNA S.	MICHAEL T. AND DONNA S. LUA
KANESAKA, KENJI AND YUKARI	KENJI AND YUKARI KANESAKA	LUCERNE VALLEY MUTUAL WATER COMPANY	GWEN L. BEDICS
KARIMI, HOOSHANG	ASH KARIMI	LUCERNE VALLEY PARTNERS	MANOUCHER SARBAZ
KASNER FAMILY LIMITED PARTNERSHIP	ROBERT R. KASNER	LUCERNE VISTA MUTUAL WATER COMPANY	MARIAN WALENT
KASNER FAMILY LIMITED PARTNERSHIP	ROBERT R. KASNER	LUCKEY 2010 REVOCABLE TRUST	CAROLYN LUCKY
KASNER, ROBERT	ROBERT KASNER	M BIRD CONSTRUCTION	EUGENE R. & VICKIE R. BIRD
KATCHER, AUGUST M. AND MARCELINE	AUGUST M. AND MARCELINE KATCHER	M.B. LANDSCAPING AND NURSERY, INC.	MARIA MARTINEZ

APPENDIX J

MARCH 25, 2020

**MOJAVE BASIN AREA WATERMASTER
NOTICE LIST**

OWNER	DESIGNEE	OWNER	DESIGNEE
MAHJOUBI, AFSAR S.	ROBERT SAIDI	PEARCE, CRAIG L.	CRAIG L. PEARCE
MALONEY, JANICE	JANICE MALONEY	PERKO, BERT K.	BERT K. PERKO
MANNING, SHARON S.	JIMMY BERRY	PERRY REVOCABLE LIVING TRUST, THOMAS AND PATRICIA	THOMAS PERRY
MARCROFT, JAMES A. AND JOAN	ALLEN MARCROFT	PETTIGREW, DAN	DAN PETTIGREW
MARIANA RANCHOS COUNTY WATER DISTRICT	JAMES M. HANSEN, JR.	PETTIGREW, JAMES AND CHERLYN	JAMES PETTIGREW
MARSHALL, CHARLES	CHARLES MARSHALL	PHELAN PIÑON HILLS COMMUNITY SERVICES DISTRICT	SEAN WRIGHT
MARTIN, MICHAEL D. AND ARLENE D.	MICHAEL D. AND ARLENE D. MARTIN	PITTMAN, LEROY W.	DIANA PITTMAN
MCCOLLUM, CHARLES L.	ROD SEXTON	POLAND, JOHN R. AND KATHLEEN A.	JOHN POLAND
MCKINNEY, PAULA	PAULA MCKINNEY	POLICH, DONNA	DONNA POLICH
MEAD FAMILY TRUST	OLIVIA L. MEAD	PORTER, TIMOTHY M.	TIMOTHY M. PORTER
MILBRAT, IRVING H.	DAVID I. MILBRAT	PRECISION INVESTMENTS SERVICES, LLC	CARIN MCKAY
MILLER LIVING TRUST	DONNA MILLER	PRICE, DONALD AND RUTH	DONALD AND RUTH PRICE
MITSUBISHI CEMENT CORPORATION	DAVID RIB	PRUETT, ANDREA	ANDREA PRUETT
MIZRAHIE, ET AL.	PHILIP MIZRAHIE	QUAKENBUSH, SAMUEL R.	SAMUEL R. QUAKENBUSH
MLH, LLC	THOMAS A. HRUBIK	QUIROS, FRANCISCO J. AND HERRMANN, RONALD	RON HERRMANN
MOJAVE DESERT LAND TRUST	PETER SATIN	RANCHERITOS MUTUAL WATER COMPANY	ELIZABETH MURENA
MOJAVE SOLAR, LLC	JOSE MANUEL BRAVO	REED, MIKE	MIKE REED
MOJAVE WATER AGENCY	DOUG KERNS	RHEE, ANDREW N.	ANDREW N. RHEE
MONACO INVESTMENT COMPANY	MANOUCHER SARBAZ	RICE, HENRY C. AND DIANA	KELLY RICE
MORRIS TRUST, JULIA V.	BILLIE ELLIOT	RIM PROPERTIES, A GENERAL PARTNERSHIP	IAN BRYANT
MOSS, LAWRENCE W. AND HELEN J.	LAWRENCE W. AND HELEN J. MOSS	RIOS, MARIANO V.	JOSIE RIOS
MOST FAMILY TRUST	JENNIE MOST	RIVERO, FIDEL V.	FIDEL V. RIVERO
MULLIGAN, ROBERT AND INEZ	DENNIS HILLS	RIZVI, S.R ALI	S.R ALI RIZVI
MURPHY, JEAN	JEAN MURPHY	ROBERTSON'S READY MIX	JACKIE MCEVOY
NAVAJO MUTUAL WATER COMPANY	JAMES HANSEN	ROSSI, JAMES L. AND NAOMI I.	MITCH HAMMACK
NEW SPRINGS LIMITED PARTNERSHIP	BILLY LIANG	ROYAL WAY	JOHN D. ZEMANEK
NEWBERRY COMMUNITY SERVICES DISTRICT	LE HAYES	RUE RANCH, INC.	SAM MARICH
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	JEFF GAASTRA	RUISCH TRUST, DALE W. AND NELLIE H.	DALE W. RUISCH
NORRIS TRUST, MARY ANN	MARY ANN NORRIS	S AND B BROTHERS, LLC	SHERWIN SHORAKA
NSSLC, INC.	KENTON EATHERTON	S AND E 786 ENTERPRISES, LLC	JAFAR RASHID
NUÑEZ, LUIS SEGUNDO	LUIS SEGUNDO NUÑEZ	SABA, SABA A. AND SHIRLEY L.	SABA A. AND SHIRLEY L. SABA
NUNN FAMILY TRUST	PEARL OR GAIL NUNN	SAGABEAN-BARKER, KANOELOKELANI L.	KANOE BARKER
O. F. D. L., INC.	JEFF GAASTRA	SAMPLES, BERNARD D. AND JANICE E.	BERNARD D. AND JANICE E. SAMPLES
OASIS WORLD MISSION	CHUN SOO AHN	SAMRA, JAGTAR S.	JAGTAR S. SAMRA
ODESSA WATER DISTRICT	CURT MITCHELL	SAN BERNARDINO CO BARSTOW - DAGGETT AIRPORT	TINA ABARCA
OHAI, REYNOLDS AND DOROTHY	DOROTHY OHAI	SAN BERNARDINO COUNTY - HIGH DESERT DETENTION CENTER	JARED BEYELER
OMYA CALIFORNIA, INC.	RALPH MCCULLERS	SAN BERNARDINO COUNTY SERVICE AREA 29	TREVOR LEJA
ORO GRANDE SCHOOL DISTRICT	NICK HIGGS	SAN BERNARDINO COUNTY SERVICE AREA 42	JARED BEYELER
P AND H ENGINEERING AND DEVELOPMENT CORPORATION	M. T. SHORAKA	SAN BERNARDINO COUNTY SERVICE AREA 64	JARED BEYELER
PACIFIC GAS AND ELECTRIC COMPANY	IAIN BAKER	SAN BERNARDINO COUNTY SERVICE AREA 70J	JARED BEYELER
PAK, KAE SOO AND MYONG HUI KANG	KAE SOO AND MYONG HUI KANG PAK	SAPP, ROBERT D. AND LEE, TERESA J.	ROBERT AND TERESA SAPP
PATINO, JOSÉ	JOSÉ PATINO	SCRAY, MICHELLE A. TRUST	MICHELLE SCRAY

APPENDIX J

MARCH 25, 2020

**MOJAVE BASIN AREA WATERMASTER
NOTICE LIST**

OWNER	DESIGNEE	OWNER	DESIGNEE
SERVICE ROCK PRODUCTS CORPORATION	JACKIE MCEVOY	TURNER, TERRY	TERRY TURNER
SEXTON, RODNEY A. AND SEXTON, DEREK R.	ROD SEXTON	UNION PACIFIC RAILROAD COMPANY	AURELIO IBARRA
SHEEP CREEK WATER COMPANY	CHRIS CUMMINGS	VACA, ANDY AND TERESITA S.	ANDY AND TERESITA S. VACA
SHENG, JEN	JEN SHENG	VALENTI, VITO	VITO VALENTI
SHEPPARD, THOMAS AND GLORIA	THOMAS AND GLORIA SHEPPARD	VAN BASTELAAR, ALPHONSE	DEAN VAN BASTELAAR
SHORT, JEROME E.	JEROME E. SHORT	VAN DAM FAMILY TRUST, GLEN AND JENNIFER	GLEN AND JENNIFER VAN DAM
SILVER LAKES ASSOCIATION	WESTLY CAMPBELL	VAN DAM REVOCABLE TRUST, E AND S	ELBERT AND SUSAN VAN DAM
SINGH, ET AL.	NEPAL SINGH	VAN LEEUWEN, JOHN	JOHN VAN LEEUWEN
SMITH, DENISE DBA AMEREQUINE BEAUTY, INC	DENISE SMITH	VANDER DUSSEN TRUST, AGNES AND EDWARD	AGNES VANDER DUSSEN
SMITH, PORTER AND ANITA	PORTER AND ANITA SMITH	VANHOOPS HOLDINGS, LP	TRACI HOOPS
SNOWBALL DEVELOPMENT, INC.	STEVE KIM	VERNOLA TRUST, PAT AND MARY ANN	JOHN DRISCOLL
SON'S RANCH	CHAN KYUN SON	VICTOR VALLEY COMMUNITY COLLEGE DISTRICT	STEPHEN GARCIA
SOPPELAND REVOCABLE TRUST	JASON LAMOREAUX	VICTOR VALLEY MEMORIAL PARK	DEIDRA HITT
SOUTHERN CALIFORNIA EDISON COMPANY	ERIKA CLEMENT	VICTORVILLE WATER DISTRICT, ID#1	STEVE ASHTON
SOUTHERN CALIFORNIA GAS COMPANY	SCOTT BREWER	VICTORVILLE WATER DISTRICT, ID#2	STEVE ASHTON
SPECIALTY MINERALS, INC.	DEL CURTIS	VOGLER, ALBERT H.	ALBERT H. VOGLER
SPERRY, WESLEY	WESLEY SPERRY	WAGNER LIVING TRUST	JOAN WAGNER
SPILLMAN, JAMES R. AND NANCY J.	JAMES R. AND NANCY J. SPILLMAN	WAKULA FAMILY TRUST	CHRISTIAN JOSEPH WAKULA
SPRING VALLEY LAKE ASSOCIATION	ERIC MILLER	WANG, STEVEN	STEVEN WANG
SPRING VALLEY LAKE COUNTRY CLUB	MITCHELL BROWN	WARD, KEN AND BARBARA	BARBARA ALLARD-WARD
ST. ANTONY COPTIC ORTHODOX MONASTERY	FATHER JOSEPH	WARD, RAYMOND	RAYMOND WARD
STARKE, GEORGE A. AND JAYNE E.	GEORGE A. AND JAYNE E. STARKE	WEEMS, LIZZIE	LIZZIE WEEMS
STORM, RANDALL	RANDALL STORM	WEERAISINGHE, MAITHRI N.	MAITHRI N. WEERAISINGHE
SUDMEIER, GLENN W.	GLENN W. SUDMEIER	WEISER, ET AL.	ALEXANDER WEISER
SUMMIT VALLEY RANCH, LLC	ALEXANDRA LIOANAG	WERNER, ANDREW J.	ANDREW J. WERNER
SUNDOWN LAKES, INC.	MARK RICHARDSON	WEST END MUTUAL WATER COMPANY	JAMES WOODY
SUNRAY LAND COMPANY, LLC	MIKE ARENT	WEST, HOWARD AND SUZY	HOWARD AND SUZY WEST
SYNAGRO-WWT, INC. (DBA NURSURY PRODUCTS, LLC)	VENNY VASQUEZ	WEST, JIMMIE E.	JIMMIE E. WEST
SZYNKOWSKI, RUTH J.	RUSSELL SZYNKOWSKI	WESTERN DEVELOPMENT AND STORAGE, LLC	ANDREW WERNER
TALLAKSON FAMILY REVOCABLE TRUST	BILL AND ELIZABETH TALLAKSON	WESTERN HORIZON ASSOCIATES, INC.	CHUNG CHO GONG
TAPIE, RAYMOND L.	RAYMOND L. TAPIE	WESTERN WATER COMPANY	WILMA SILVERIA
TEISAN, JERRY	JERRY TEISAN	WESTLAND INDUSTRIES, INC.	GENARO ZAPATA
THAYER, SHARON	SHARON THAYER	WET SET, INC.	THOMAS G. FERRUZZO
THE CUSHENBURY TRUST, C/O SPECIALTY MINERALS, INC.	DEL CURTIS	WIENER, MELVIN AND MARIAM S.	MELVIN AND MARIAM S. WIENER
THOMAS, STEPHEN AND LORI	STEPHEN THOMAS	WILSHIRE ROAD PARTNERS	MANOUCHER SARBAZ
THOMPSON LIVING TRUST, JAMES A. AND SULA B.	LYNNETTE L. THOMPSON	WITHEY, CONNIE	CONNIE TAPIE
THOMPSON LIVING TRUST, R.L. AND R.A.	RODGER THOMPSON	WITTE, E. DANIEL AND MARCIA	E. DANIEL AND MARCIA WITTE
THRASHER, GARY	GARY THRASHER	WLSR, INC.	MARK J. CLUFF
THUNDERBIRD COUNTY WATER DISTRICT	CAREN PATTERSON	WOOD, MICHAEL AND DENISE	MICHAEL AND DENISE WOOD
TRANSAMERICA FIN'L SVC - SPEARS, LARRY B. AND ERLINDA		WORSEY, JOSEPH A. AND REVAE	DAVID A. WORSEY
TRIPLE H PARTNERSHIP	JIM HOOVER		
TROEGER FAMILY TRUST, RICHARD H.	MIKE TROEGER		

APPENDIX K

PERMANENT TRANSFERS OF BASE ANNUAL PRODUCTION RIGHT

2018-19 WATER YEAR

APPENDIX K

MARCH 25, 2020

PERMANENT TRANSFERS OF BASE ANNUAL PRODUCTION RIGHT
WATER YEAR 2018-19
(ALL AMOUNTS IN ACRE-FEET)

SUBAREA		TRANSFEROR		TRANSACTION				STATUS OF RIGHTS AFTER PERMANENT TRANSFER					
				CURRENT BASE ANNUAL PRODUCTION		DATE		TRANSFEREE		TRANSFEEEE		TRANSFEROR	
										VERIFIED BASE ANNUAL PRODUCTION	BASE ANNUAL RIGHT (PERCENT)	VERIFIED BASE ANNUAL PRODUCTION	BASE ANNUAL RIGHT (PERCENT)
SUBAREA	TRANSFEROR	VERIFIED BASE ANNUAL PRODUCTION	RIGHT (PERCENT)	DATE	PROCESSED BY WATERMASTER	TYPE OF TRANSACTION	TRANSFER AMOUNT	TRANSFEREE	VERIFIED BASE ANNUAL PRODUCTION	BASE ANNUAL RIGHT (PERCENT)	VERIFIED BASE ANNUAL PRODUCTION	BASE ANNUAL RIGHT (PERCENT)	
ALTO	AQUA CAPITAL MANAGEMENT, LP-AGRICULTURE	72	0.0618	10/24/2018		SALE	72	HESPERIA WATER DISTRICT	13,986	12.0142	0	0.0000	
ALTO	AQUA CAPITAL MANAGEMENT, LP-INDUSTRIAL	185	0.1589	10/24/2018		SALE	185	HESPERIA WATER DISTRICT	14,171	12.1731	0	0.0000	
CENTRO	AQUA CAPITAL MANAGEMENT, LP	2,336	4.1515	01/23/2019		SALE	200	HELENDALE COMMUNITY SERVICES DISTRICT	219	0.3892	2,136	3.7961	
ESTE	DAHLQUIST, GEORGE R.	594	2.9399	01/23/2019		SALE	70	RHEE, ANDREW N.	70	0.3464	524	2.5934	
BAJA	POZZATO PARTNERS, LIMITED	54	0.0816	01/23/2019		SALE	54	FOOTHILL ESTATES MHP, LLC	54	0.0816	0	0.0000	
ALTO	WESTERN RIVERS CONSERVANCY	10	0.0086	01/23/2019		SALE	10	MOJAVE DESERT LAND TRUST	10	0.0086	0	0.0000	
ESTE	HAL-DOR LTD.	23	0.1138	02/27/2019		SALE	23	DJC CORPORATION	89	0.4405	0	0.0000	
ESTE	DJC CORPORATION	89	0.4405	02/27/2019		SALE	89	JONES TRUST DATED MARCH 16, 2002	89	0.4405	0	0.0000	
ALTO	BEINSCHROTH FAMILY TRUST	800	0.6872	03/27/2019		SALE	25	BEINSCHROTH FAMILY TRUST	25	0.0215	775	0.6657	
ALTO	BEINSCHROTH FAMILY TRUST	775	0.6657	03/27/2019		SALE	25	BEINSCHROTH, ANDY ERIC	25	0.0215	750	0.6443	
ALTO	BEINSCHROTH FAMILY TRUST	750	0.6443	03/27/2019		SALE	30	MOJAVE DESERT LAND TRUST	40	0.0344	720	0.6185	
ALTO	BEINSCHROTH, ANDY ERIC	25	0.0215	05/22/2019		SALE	25	MARIANA RANCHOS COUNTY WATER DISTRICT	270	0.2319	0	0.0000	
ALTO	LAGUNA WATER II, LTD.	200	0.1718	05/22/2019		SALE	200	HELENDALE COMMUNITY SERVICES DISTRICT	3,907	3.3562	0	0.0000	
ALTO	SAPP, ROBERT D. AND LEE, TERESA J.	42	0.0361	05/22/2019		SALE	42	HELENDALE COMMUNITY SERVICES DISTRICT	3,949	3.3923	0	0.0000	
BAJA	SHAW, ROBERT M. AND LORI A. SLATER-SHAW	43	0.0650	05/22/2019		SALE	43	SAMPLES, BERNARD D. AND JANICE E.	43	0.0650	0	0.0000	
ALTO	BEINSCHROTH FAMILY TRUST	720	0.6185	07/24/2019		SALE	50	HELENDALE COMMUNITY SERVICES DISTRICT	3,999	3.4352	670	0.5755	
BAJA	CF PROPERTIES, LLC	845	1.2773	07/24/2019		SALE	845	PRECISION INVESMENTS SERVICES, LLC	845	1.2773	0	0.0000	
CENTRO	CHONG, JOAN	52	0.0924	07/24/2019		SALE	42	FOURFREE USA, INC.	42	0.0746	10	0.0178	
BAJA	DOCIMO LIVING TRUST, ALLEN LEE	109	0.1648	07/24/2019		SALE	109	NSSLIC, INC.	109	0.1648	0	0.0000	
CENTRO	AQUA CAPITAL MANAGEMENT, LP	2,136	3.7961	09/25/2019		SALE	30	HASKINS, JAMES J.	30	0.0533	2,106	3.7427	
BAJA	BROWN, RONALD A.	1,080	1.6325	09/25/2019		SALE	1,080	NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	1,085	1.6400	0	0.0000	
ALTO	MCINNIS, WILLIAM S.	30	0.0258	09/25/2019		SALE	30	FINCH, JENIFER	30	0.0258	0	0.0000	