

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, 2021

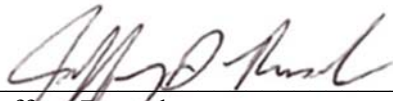
**TO: Clerk of the Superior Court
of Riverside County, California**

RE: Watermaster Annual Report for Water Year 2019-20

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-seventh Annual Report of the Mojave Basin Area Watermaster, dated May 1, 2021, setting forth the activities and determinations of the Watermaster for Water Year 2019-20.

Respectfully submitted,

MOJAVE BASIN AREA WATERMASTER

By: 
Jeffrey Ruesch
Watermaster Services Manager

WATERMASTER:

Jeanette Hayhurst, Chairman
Kimberly Cox, Vice Chairman
Carl Coleman
Richard D. Hall
Mike Page
Thurston Smith
Jim Ventura

Kathy Cortner, Executive Officer
Joanne James, Secretary
Karry LaClair, Treasurer
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Robert C. Wagner, Engineer

TWENTY-SEVENTH ANNUAL REPORT

OF THE

MOJAVE BASIN AREA WATERMASTER

WATER YEAR 2019-20

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 2019-20**

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CHAPTER 1

INTRODUCTION

This is the Twenty-seventh 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 2019-20. Appendix L to this report consists of a detailed accounting of surface water and groundwater production for Water Year 2019-20. 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 2021-22: Chapter 6
- j. Transfers of Base Annual Production Rights: Appendix E, K & L (Table 8)

- k. Transfers of Free Production Allowance during 2019-20: 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 2021-22: Chapter 6
- q. Projected Replacement and Makeup Water Assessment Rates for 2020-21 and 2021-22: 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 2019-20, the Mojave Basin Area Watermaster consisted of Carl Coleman, Kimberly Cox, Richard Hall, Jeanette Hayhurst, Mike Page, Thurston Smith, and Jim Ventura. Jeanette Hayhurst and Kimberly Cox served as Chairman and Vice Chairman respectively. Kathy Cortner served as Executive Officer, Joanne James as Secretary and Karry LaClair as Treasurer.

The first Watermaster meeting of the 2019-20 Water Year was held on October 23, 2019 and eight 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-sixth Annual Report of the Mojave Basin Area Watermaster for Water Year 2018-19, which was published under the date May 1, 2020.

Watermaster adopted recommendations for FPA for Water Year 2020-21 as indicated in Watermaster's Twenty-sixth Annual Report to the Court. The Court subsequently adopted Watermaster's recommendations but modified the recommendation for Alto Agriculture and Oeste. The modifications are included in the Court's Orders dated June 11, 2020 and August 13, 2020.

Actions taken by the Watermaster during the year included acceptance of the Report on Audit for Fiscal Year 2018-19, approval of the Administrative Budget for Water Year 2020-21, and approval of Replacement, Makeup, Administrative and Biological Assessment Rates for Water Year 2020-21. The Administrative Budget and Assessment Rates for 2020-21 were adopted and are summarized on Table 2-1.

Transfers

There were 222 transfers of FPA and Carryover FPA during the year. These transfers are reported in Appendix E. There were 30 transfers of BAP. Transfers of BAP are reported in Appendix E, K & L (Table 8). Any additional transfers of unused 2019-20 FPA that may take place prior to June 1, 2021 will be reported in Appendix E of the Watermaster's Annual Report for 2020-21.

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 2019-20 was \$0.95 per acre-foot. Expenditures from the Biological Resources Trust Fund during the year for DFW projects totaled \$91,428.94. The Biological Resources Assessment Rate for 2020-21 was increased to \$0.96 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 2020-21**

ADMINISTRATIVE BUDGET

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>

ASSESSMENT RATES

1. Administrative
\$3.55/acre-foot of Production
2. Biological
\$ 0.96/acre-foot of Production
3. Replacement and Makeup Water
2019-20 \$604.00 /acre-foot¹
(6/1/21 Invoice Date)
2020-21 “*Not to exceed*” \$665.00 /acre-foot²
(6/1/22 Invoice Date)

¹. The rate adopted for Water Year 2019-20 was adopted by the Mojave Water Agency on January 28, 2021 pursuant to Resolution No. 1095-21 in accordance with the changes to the Watermaster Rules and Regulations adopted October 29, 2008.

². This rate is 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 by February 2022.

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 2019-20 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 2019-20 was conducted by the Watermaster staff and included verification of all parties to the Judgment. The verified production of all parties for Water Year 2019-20 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 June 25, 2020. 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 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 2019-20 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 (“VWRA”) and the City of Victorville, Public Works Department (Victorville). These discharge records are used to determine the contribution of the combined VWRA 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

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 began in February 2020 and will be a multi-year project.

Environmental work has been completed to build a groundwater recharge facility in the Este Subarea. A test site will be developed in the area for demonstration purposes prior to building the larger recharge facility. A demonstration recharge project in Oeste is being developed on a site owned by MWA in the western part of Oeste and is expected to be operational by the end of

2022. 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.

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 2019-20 Water Year was 4,220 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 and construction commenced in September 2020. The extension will provide for delivery locations farther west in the Alto Subarea.

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. 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 2019-20, and another \$20,000 in 2020-21, which will focus on retreatment and monitoring in the previously treated areas. Department of Fish and Wildlife contributed \$30,000

in 2019-20 and another \$40,000 in 2020-21 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 1.3 million more by the end of 2021. 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.

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.

CHAPTER 3

WATER SUPPLY CONDITIONS

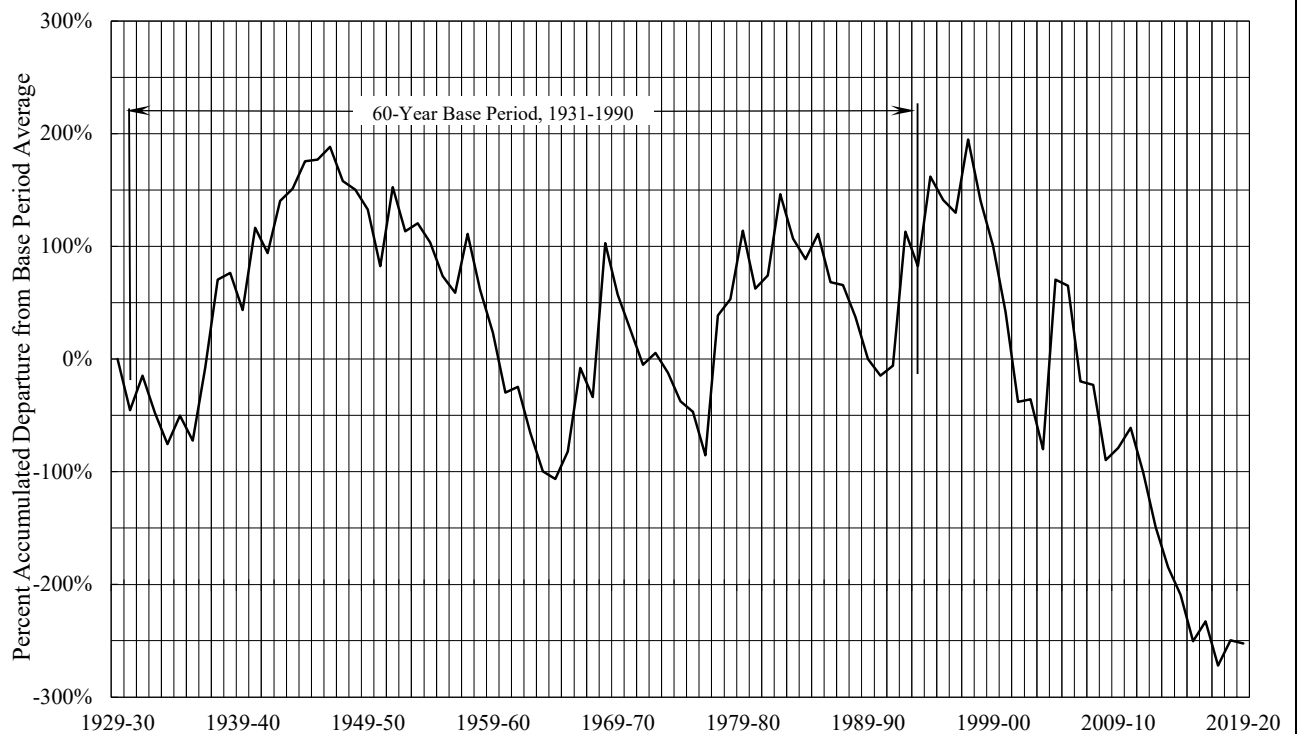
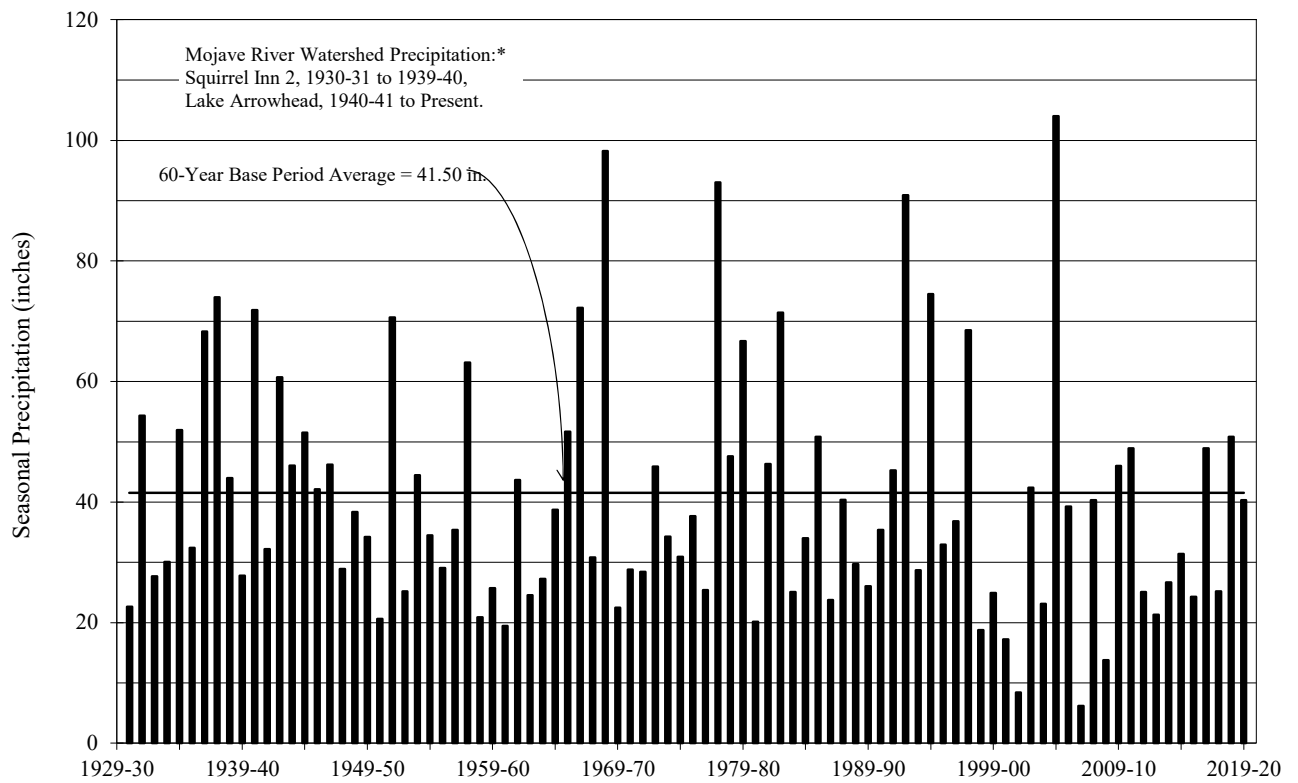
After experiencing above average precipitation during 2018-19, the precipitation in the Mojave River Watershed during 2019-20, as measured at Lake Arrowhead was slightly below average at about 97 percent of the 60 Year Base Period average. The combined flow of the West Fork Mojave River and Deep Creek during the 2019-20 Water Year was about 68 percent of the 60-Year Base Period average.

Precipitation During 2019-20

Rainfall in the mountain areas is the principal source of natural water supply to the Mojave Basin Area. During the 2019-20 Water Year the precipitation at Lake Arrowhead amounted to 40.30 inches, which is about 97 percent of the Base Period average of 41.5 inches. The maximum monthly rainfall of 11.96 inches occurred in December 2019, with 11.04 inches and 7.42 inches occurring during March 2020 and November 2019, respectively. Figure 3-1 shows the seasonal precipitation from 1930-31 through 2019-20 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 8.83 inches and 6.81 inches, respectively. The amount recorded at Victorville represents approximately 161 percent of the annual average of 5.47 inches and the amount recorded at Barstow represents approximately 148 percent of the annual average of 4.59 inches. Figure 3-2 shows the seasonal precipitation at Victorville and Barstow.

Runoff During 2019-20

Locations of stream flow gages for the Mojave River system are shown on Appendix A. Table 3-1 shows monthly discharge amounts for 2019-20 at these locations.



Precipitation Characteristics, Mojave River Watershed

FIGURE 3-1

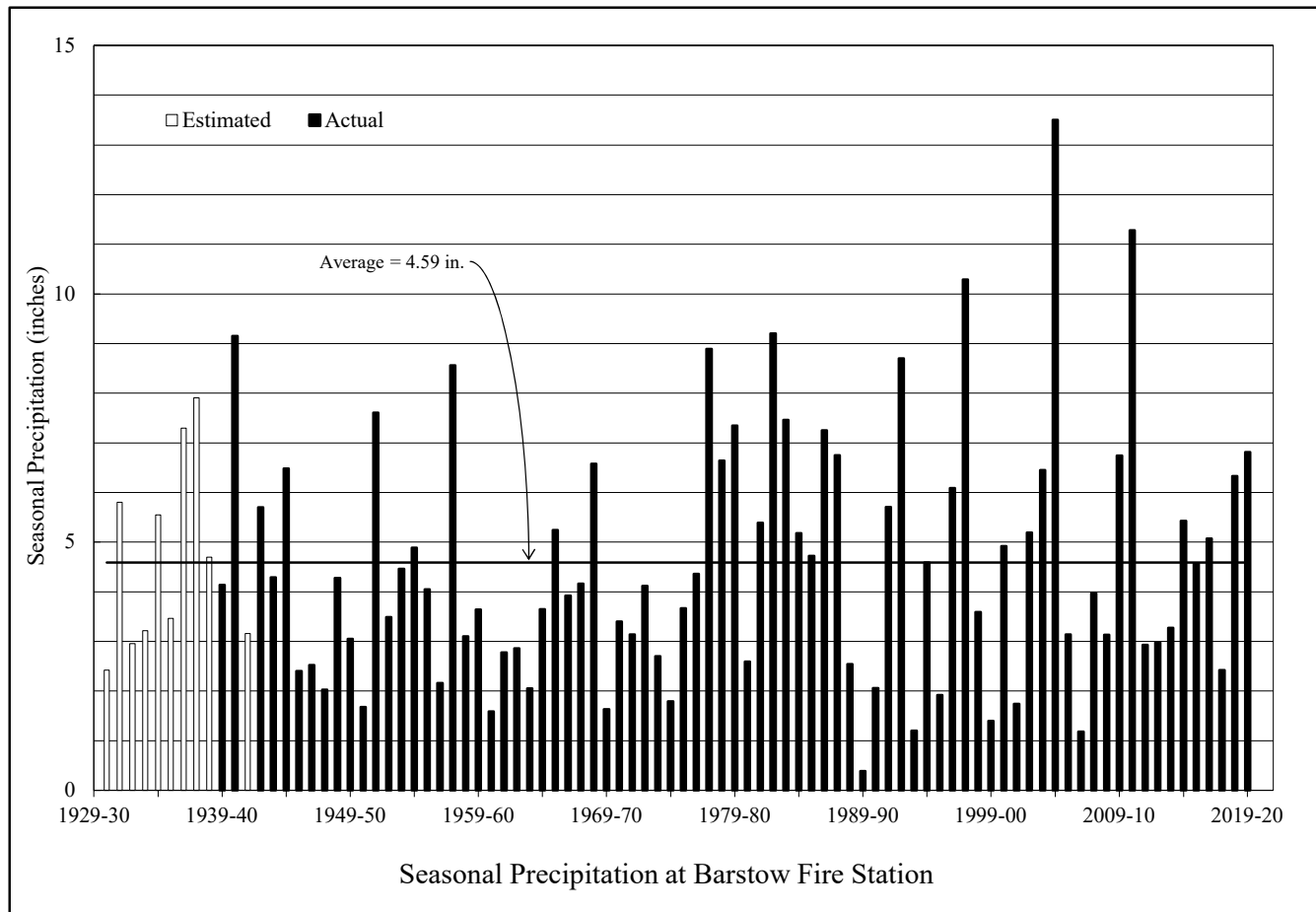
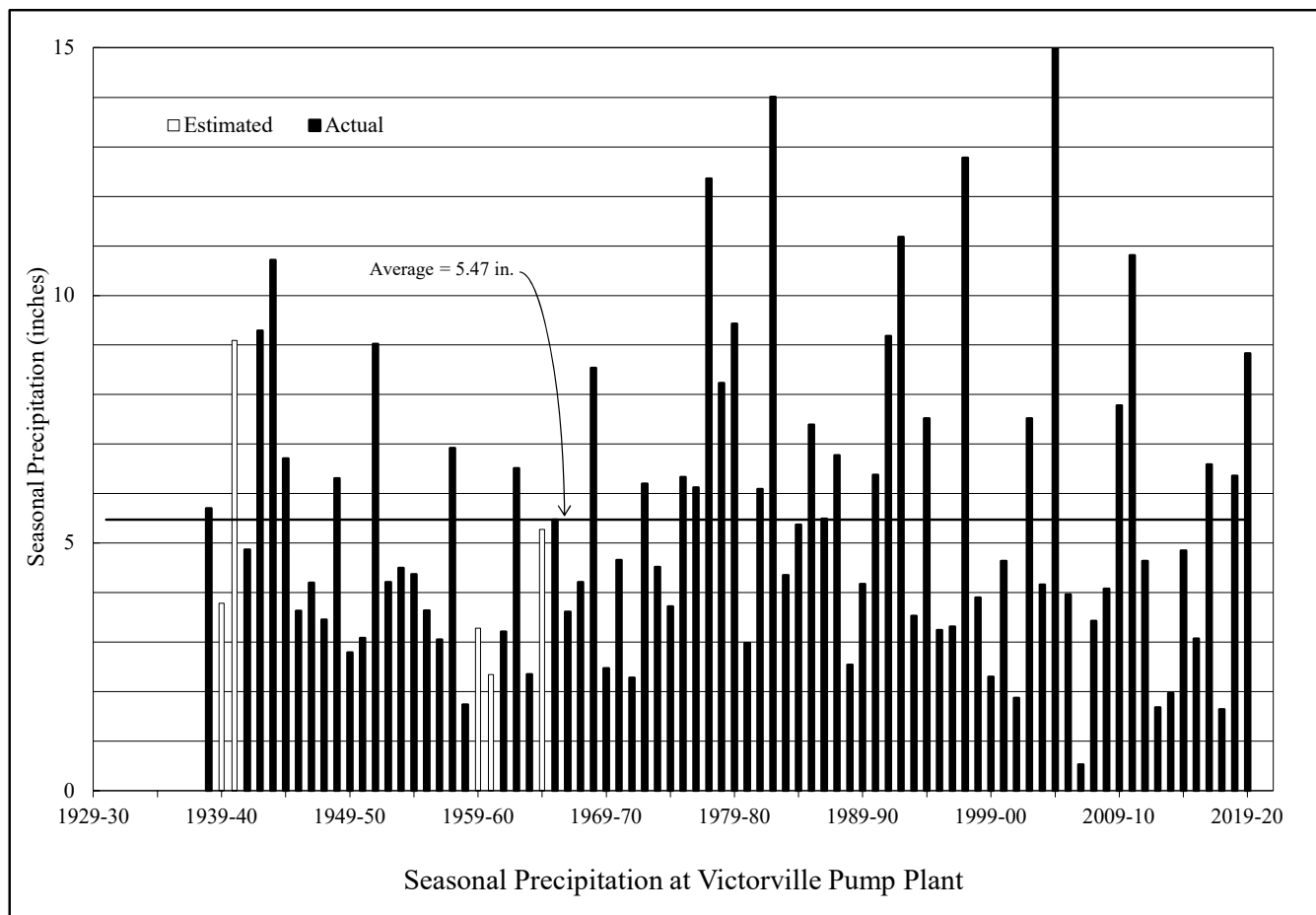


FIGURE 3-2

TABLE 3-1
MONTHLY DISCHARGE AMOUNTS
FOR WATER YEAR 2019-20
(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	3,472.0	121	0	121	0.0	0.00	0.0	0.00
November	1,683.0	394	517	911	0.0	0.28	0.0	0.28
December	4,358.0	778	894	1,672	0.0	7.20	0.0	7.20
January	1,618.0	789	23	812	0.0	7.70	0.0	7.70
February	1,247.0	704	0	704	0.0	11.80	0.0	11.80
March	6,492.0	698	864	1,562	0.0	35.00	0.0	35.00
April	22,183.0	644	8,003	8,647	0.0	177.00	0.0	177.00
May	2,391.0	463	0	463	0.0	6.09	0.0	6.09
June	674.0	213	0	213	0.0	0.00	0.0	0.00
July	120.8	150	0	150	0.0	0.00	0.0	0.00
August	34.8	121	0	121	0.0	0.00	0.0	0.00
September	27.6	110	0	110	0.0	0.00	0.0	0.00
Total (AF)	44,301	5,185	10,301	15,486	0	245	0	245

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 2019-20 as measured by the combined discharges of the West Fork Mojave River and Deep Creek was 44,301 acre-feet or about 68 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 2019-20 and the accumulated departure from the Base Period average are shown on Figure 3-3.

At Lower Narrows

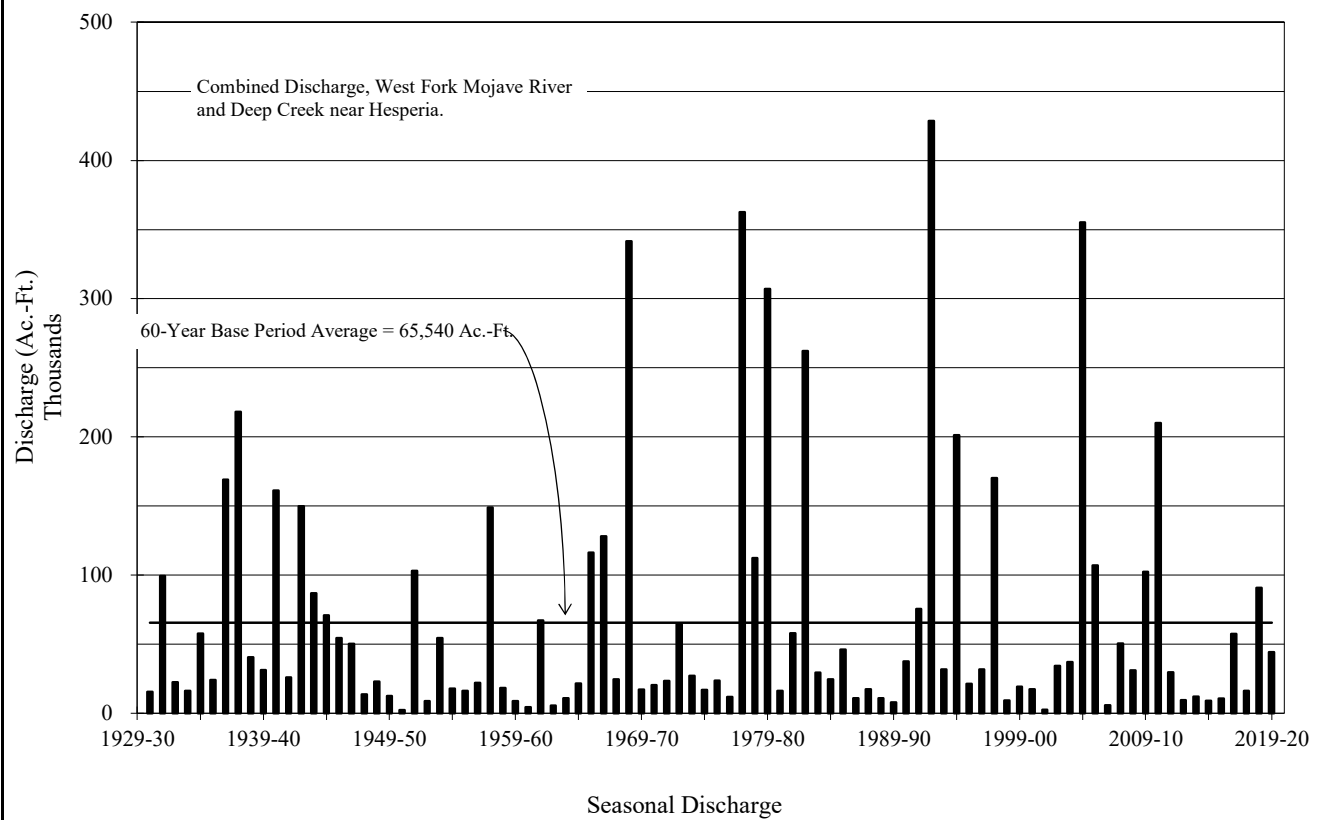
The total surface flow of the Mojave River at the Lower Narrows was 15,486 acre-feet, which is about 29.8 percent of the 60-Year Base Period average of 51,960 acre-feet. During Water Year 2019-20 the total flow accruing to the Lower Narrows Gage was estimated to consist of 10,301 acre-feet of storm flow and 5,185 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 2019-20.

At Barstow

The total surface flow of the Mojave River at Barstow was 0 acre-feet. Figure 3-5 shows the total flow in the Mojave River at Barstow for the period 1930-31 through 2019-20.

At Afton

The total surface flow of the Mojave River at Afton was 245 acre-feet, which is about 3.0 percent of the Base Period average of 8,247 acre-feet. During 2019-20 the total flow accruing to the Afton Gage was estimated to consist of 0 acre-feet of storm flow and 245 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 2019-20.



Discharge Characteristics, Mojave River at the Forks

FIGURE 3-3

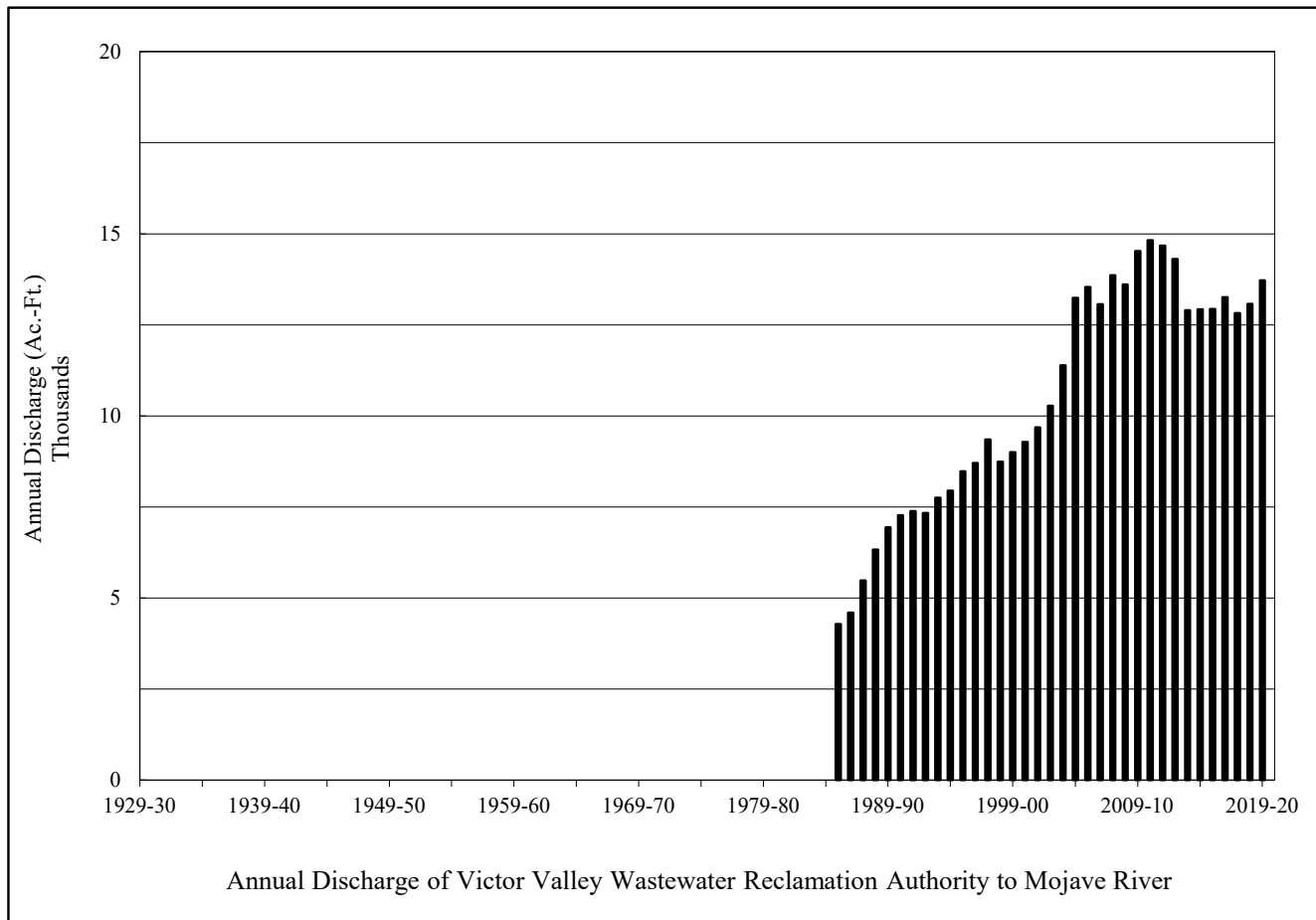
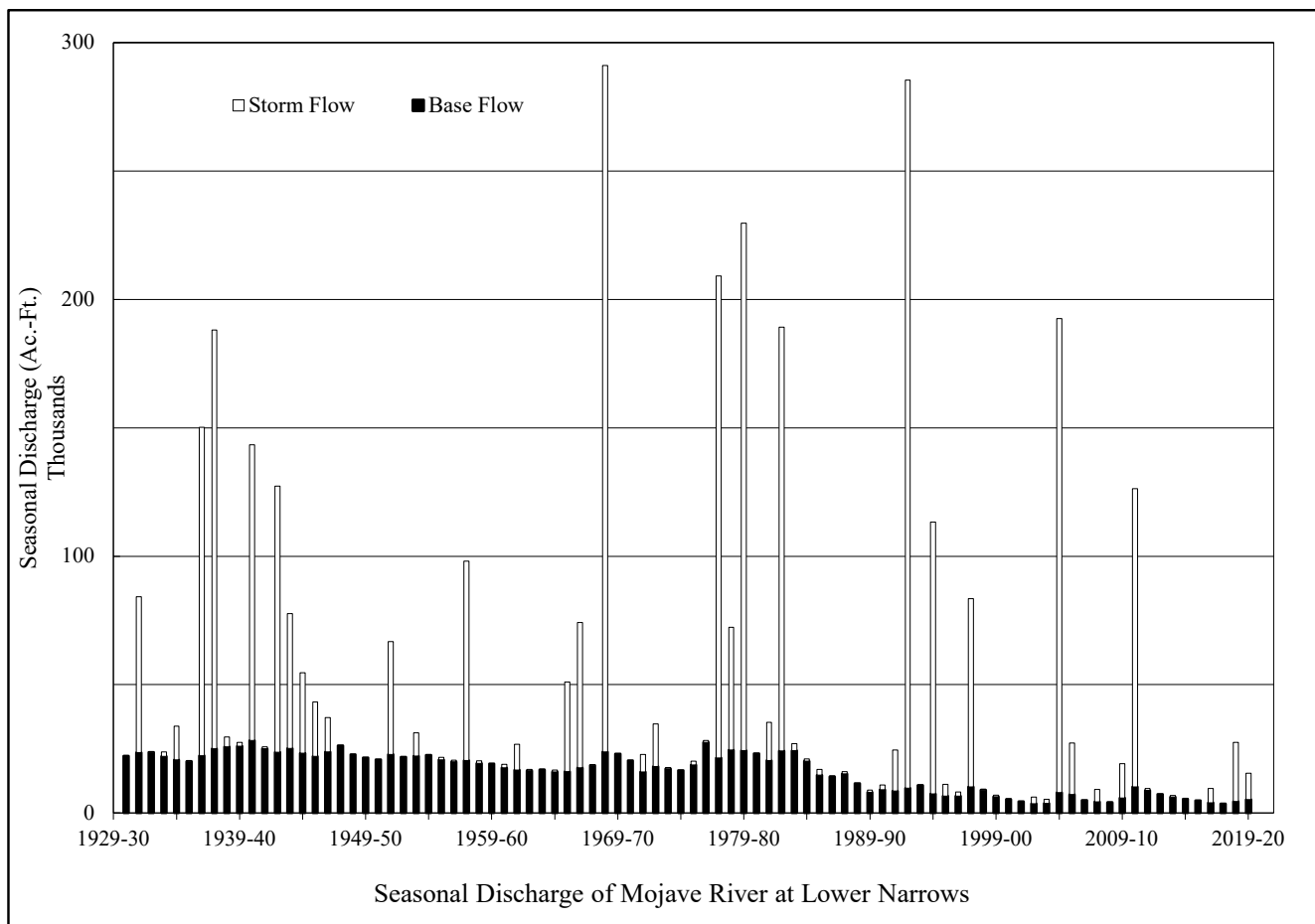


FIGURE 3-4

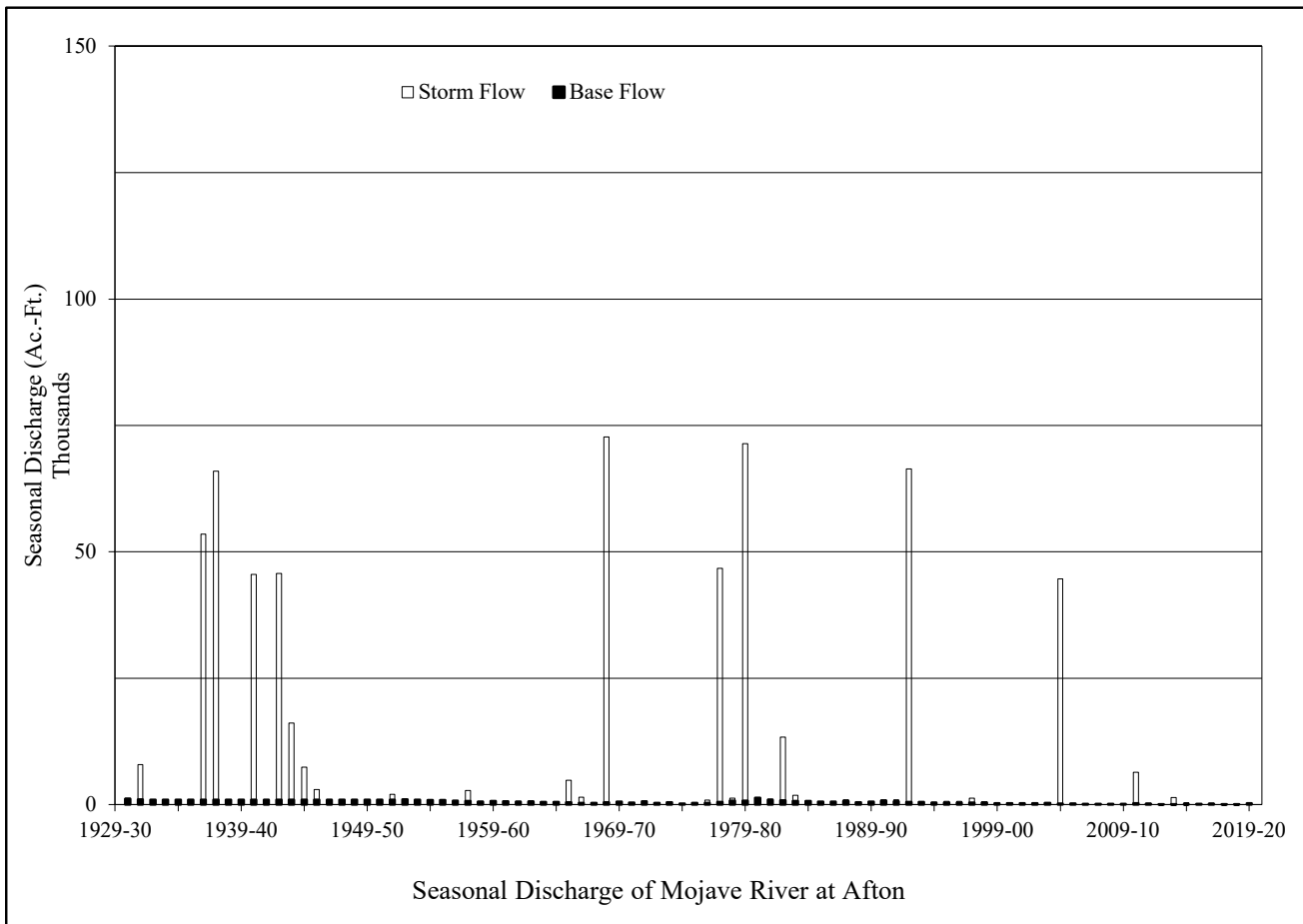
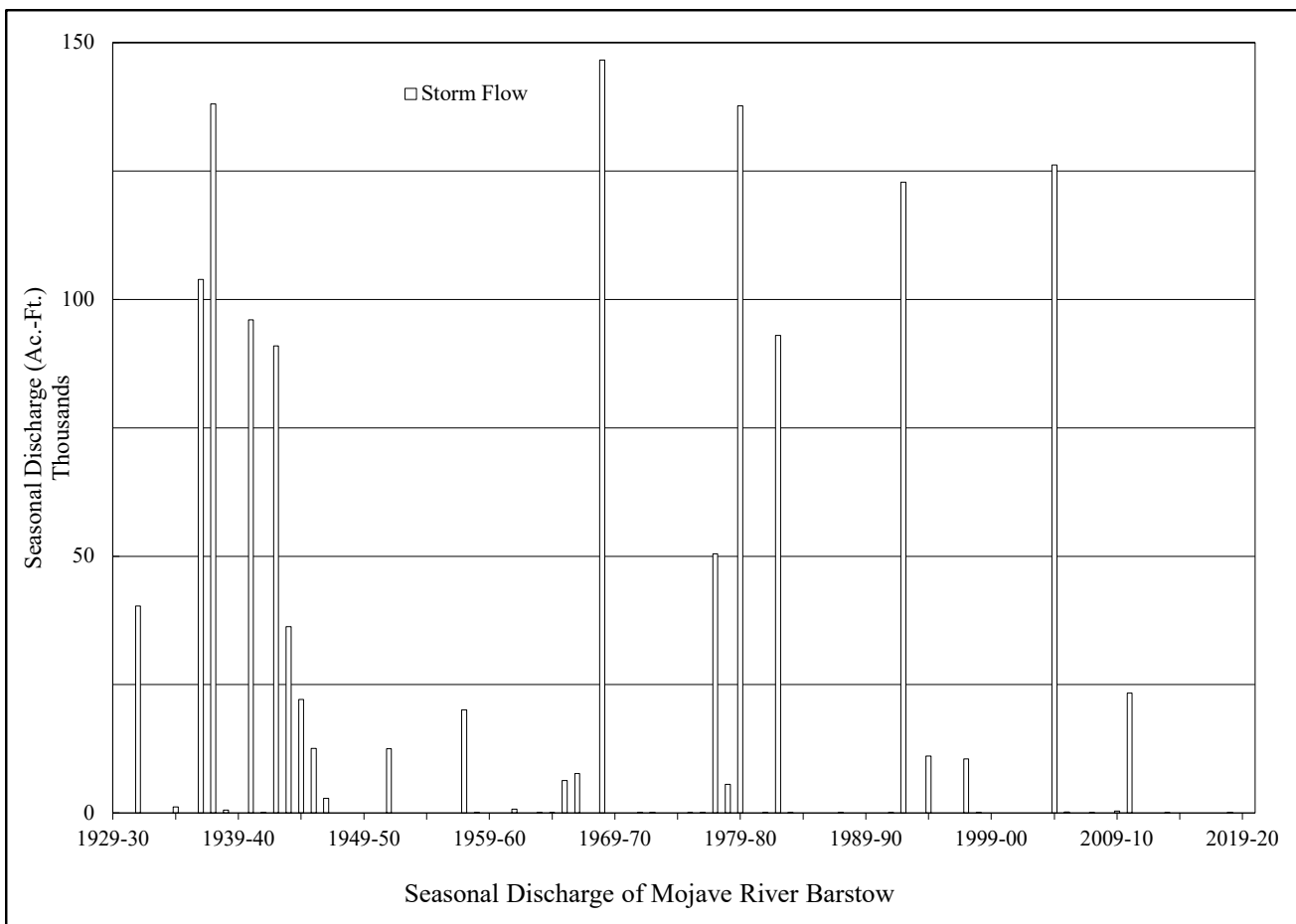


FIGURE 3-5

Wastewater Imports

During 2019-20 reclaimed wastewater was delivered to the Mojave Basin Area for disposal by the following agencies:

	Amount Delivered (acre-feet)
Lake Arrowhead Community Services District	1,059
Crestline Sanitation District	714
Big Bear Area Regional Wastewater Agency	2,246
	<hr/>
	4,019

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 13,719 acre-feet for Water Year 2019-20. The annual wastewater effluent discharge to the Mojave River for the period 1985-86 through 2019-20 is shown on Figure 3-4.

Imported Water Deliveries by MWA

During 2019-20 MWA delivered 9,397 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>
(2019)	October	0	5,365	38	274	348	6,025
	November	0	893	3	263	263	1,385
	December	0	209	2	0	0	211
(2020)	January	0	1,737	1	0	0	1,738
	February	0	0	3	1	0	4
	March	0	0	3	0	0	3
	April	0	0	0	0	0	0
	May	0	0	1	0	0	1
	June	0	0	0	0	0	0
	July	0	30	0	0	0	30
	August	0	0	0	0	0	0
	September	0	0	0	0	0	0
	Total	0	8,234	51	501	611	9,397

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 13,719 acre-feet during 2019-20 which supports water levels within the Transition Zone. These water levels remained stable during Water Year 2019-20.

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 (1991-2020) has exceeded the Base Period average.

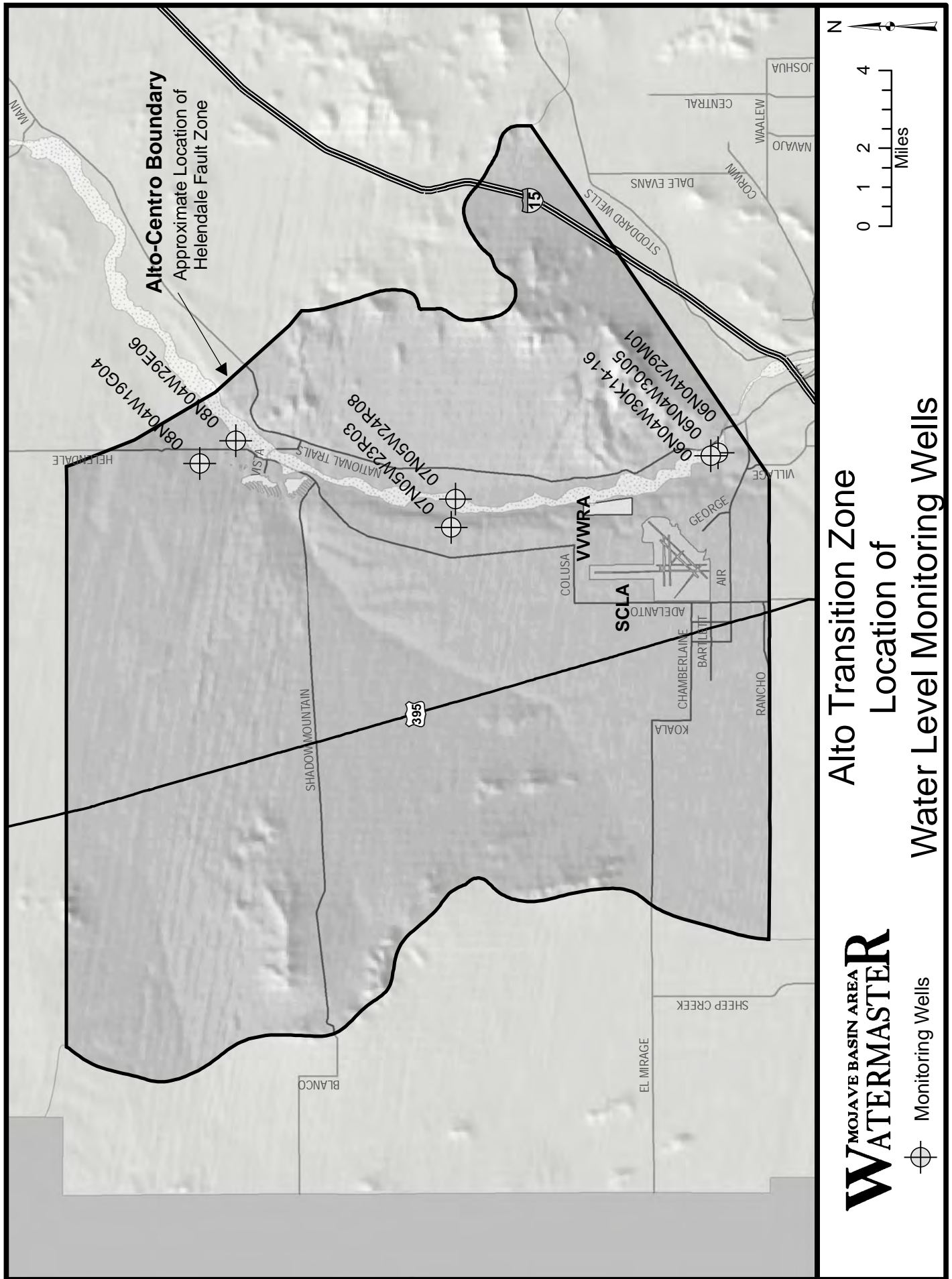


FIGURE 3-6

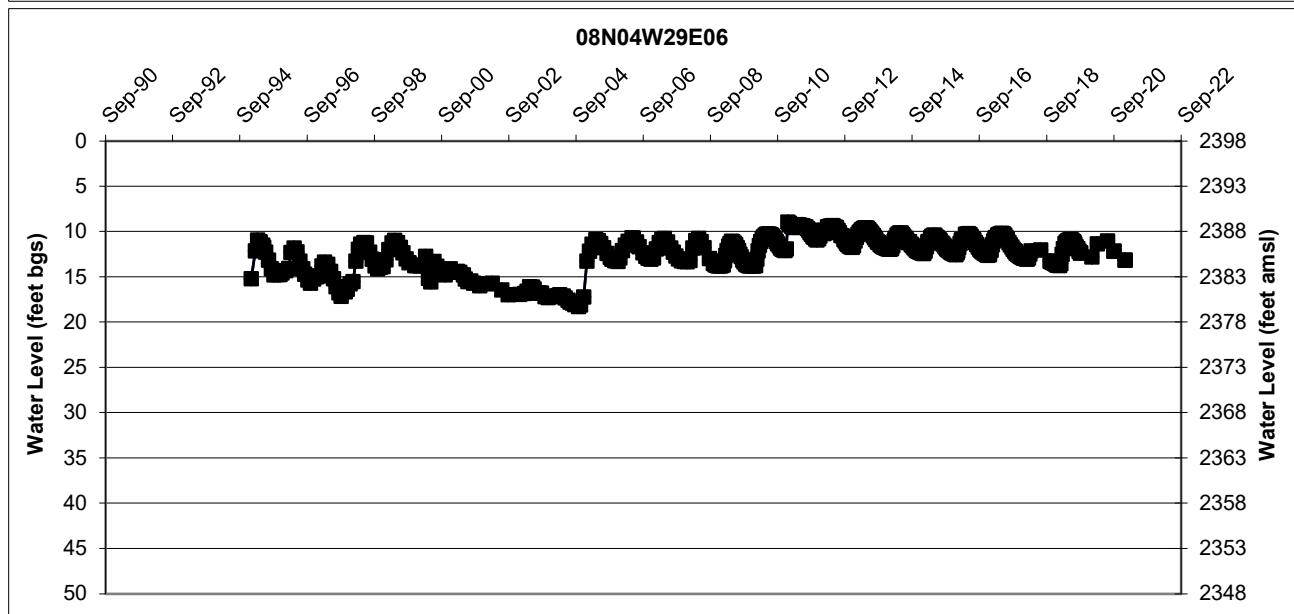
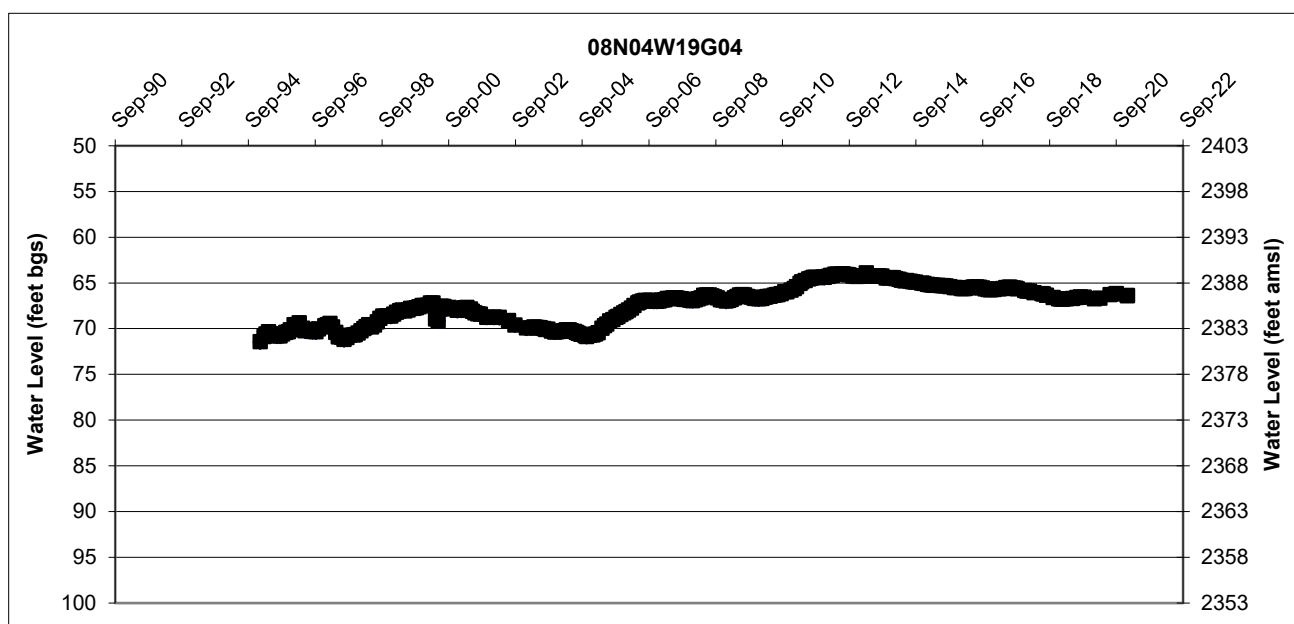
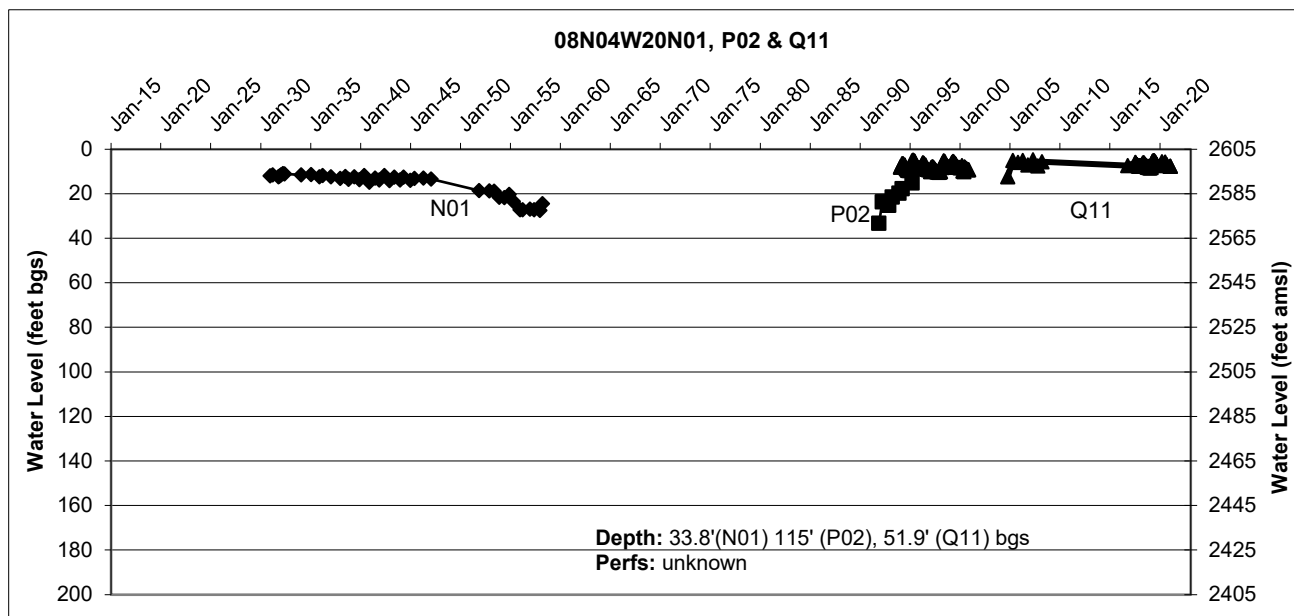


FIGURE 3-7

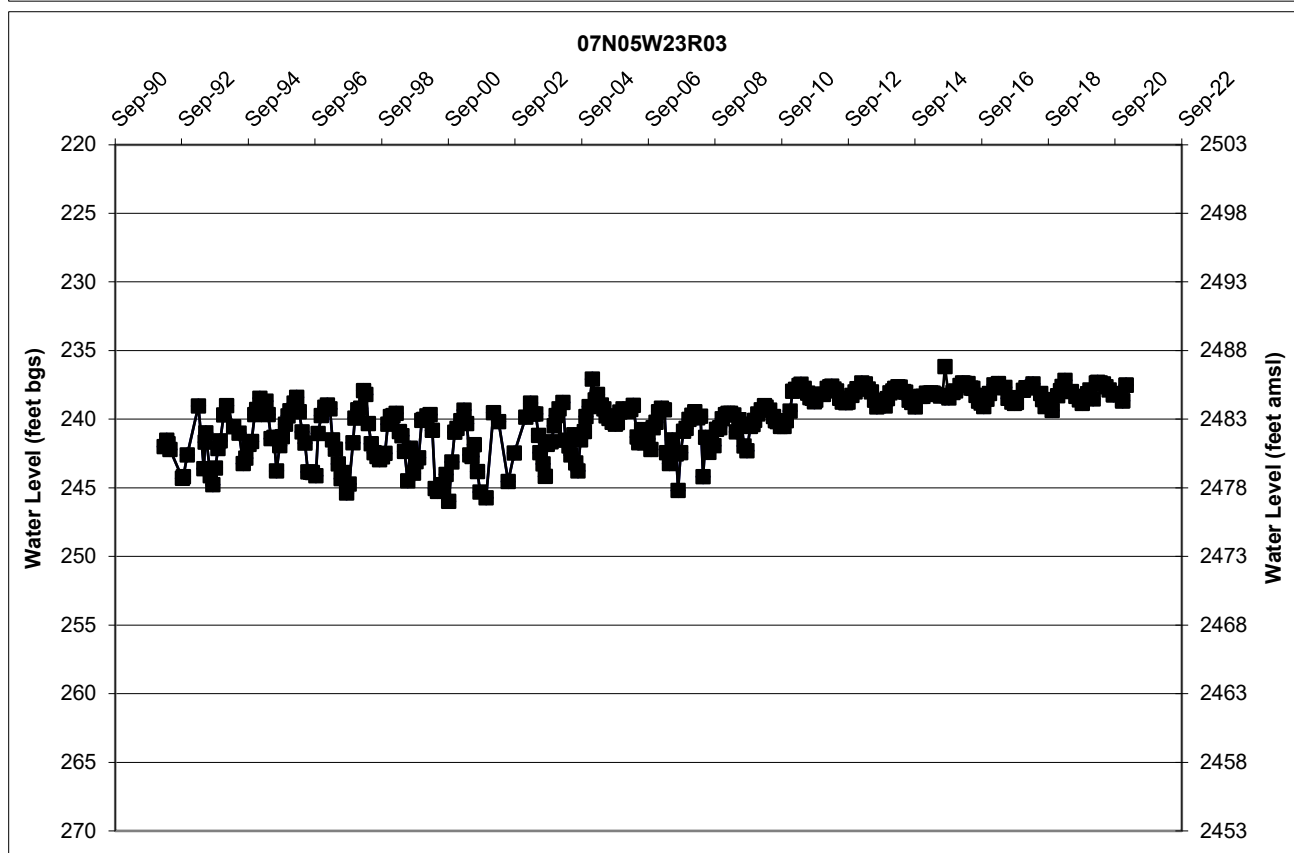
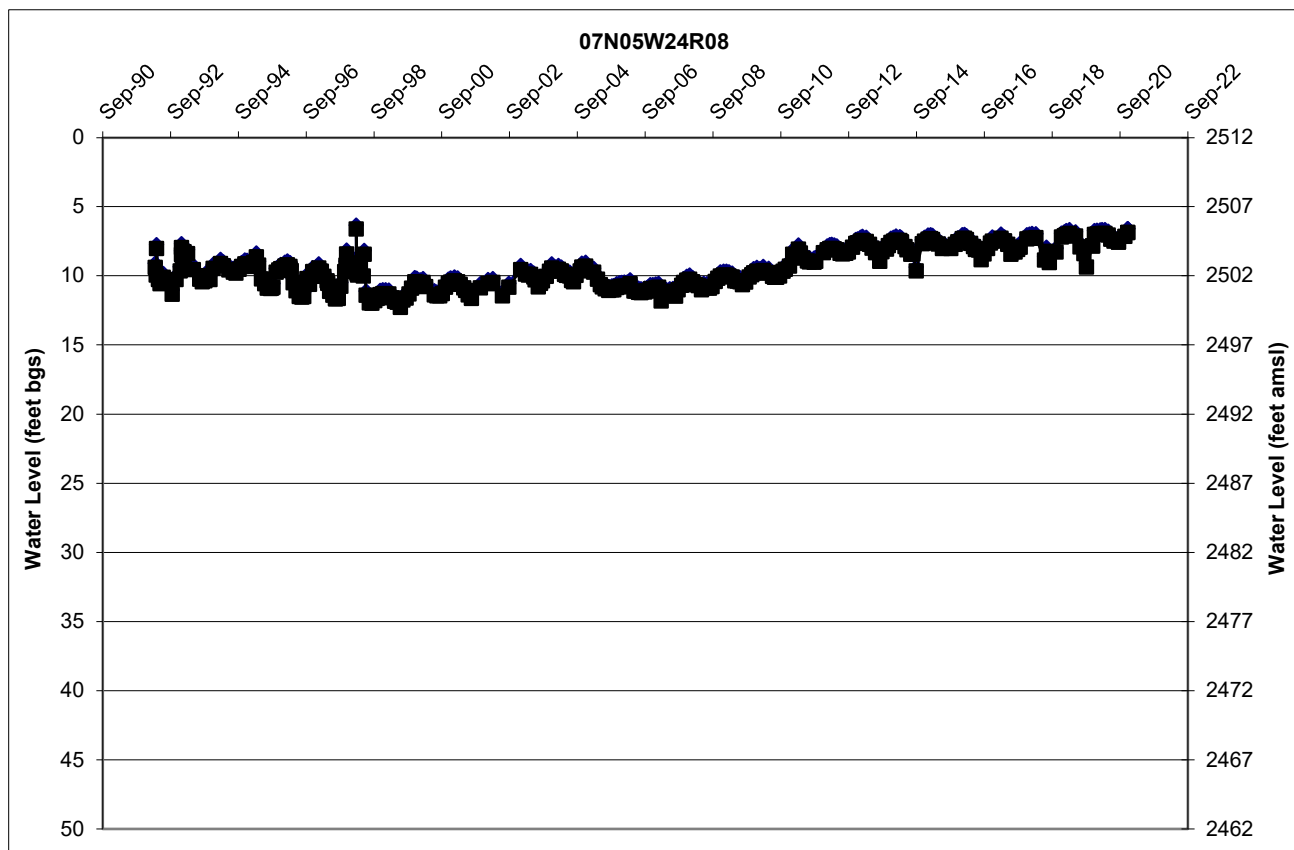


FIGURE 3-8

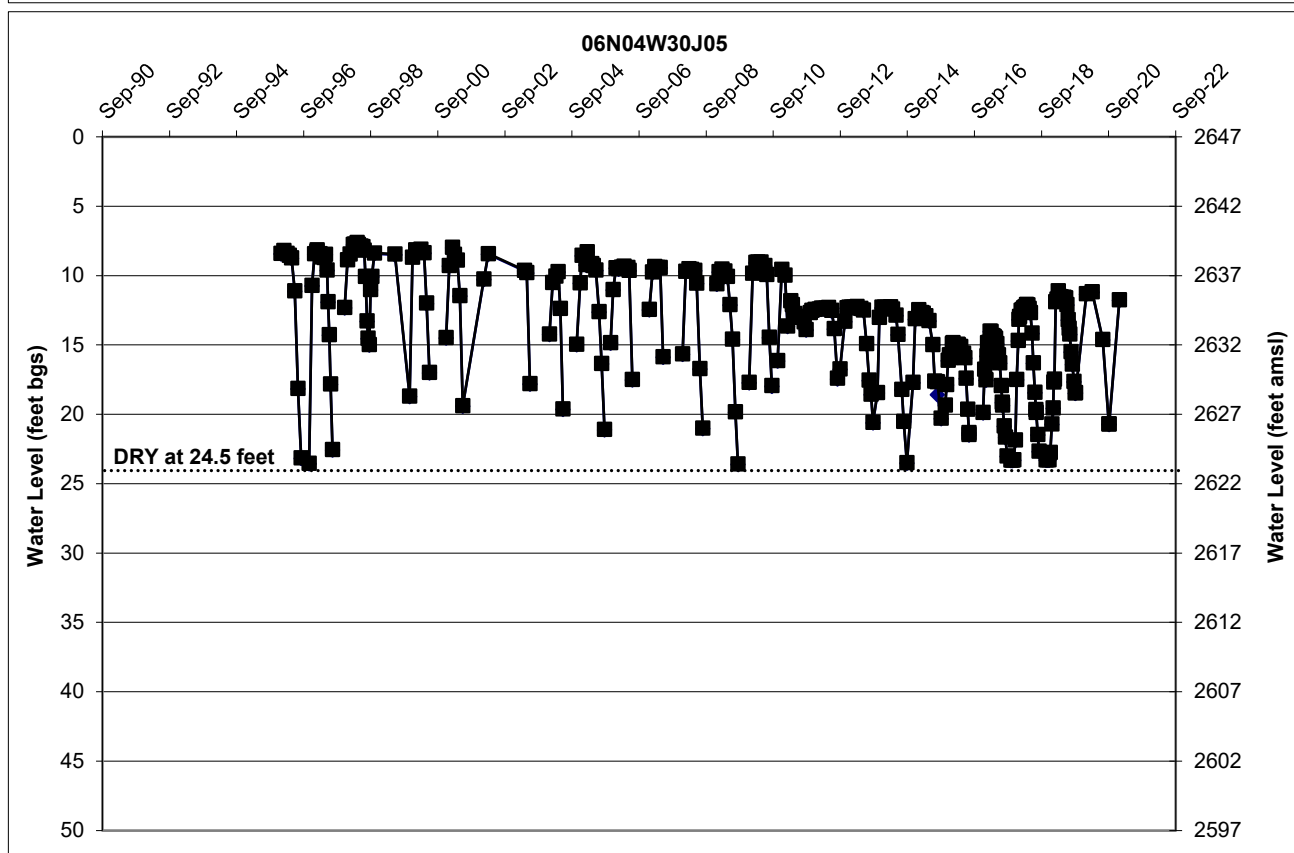
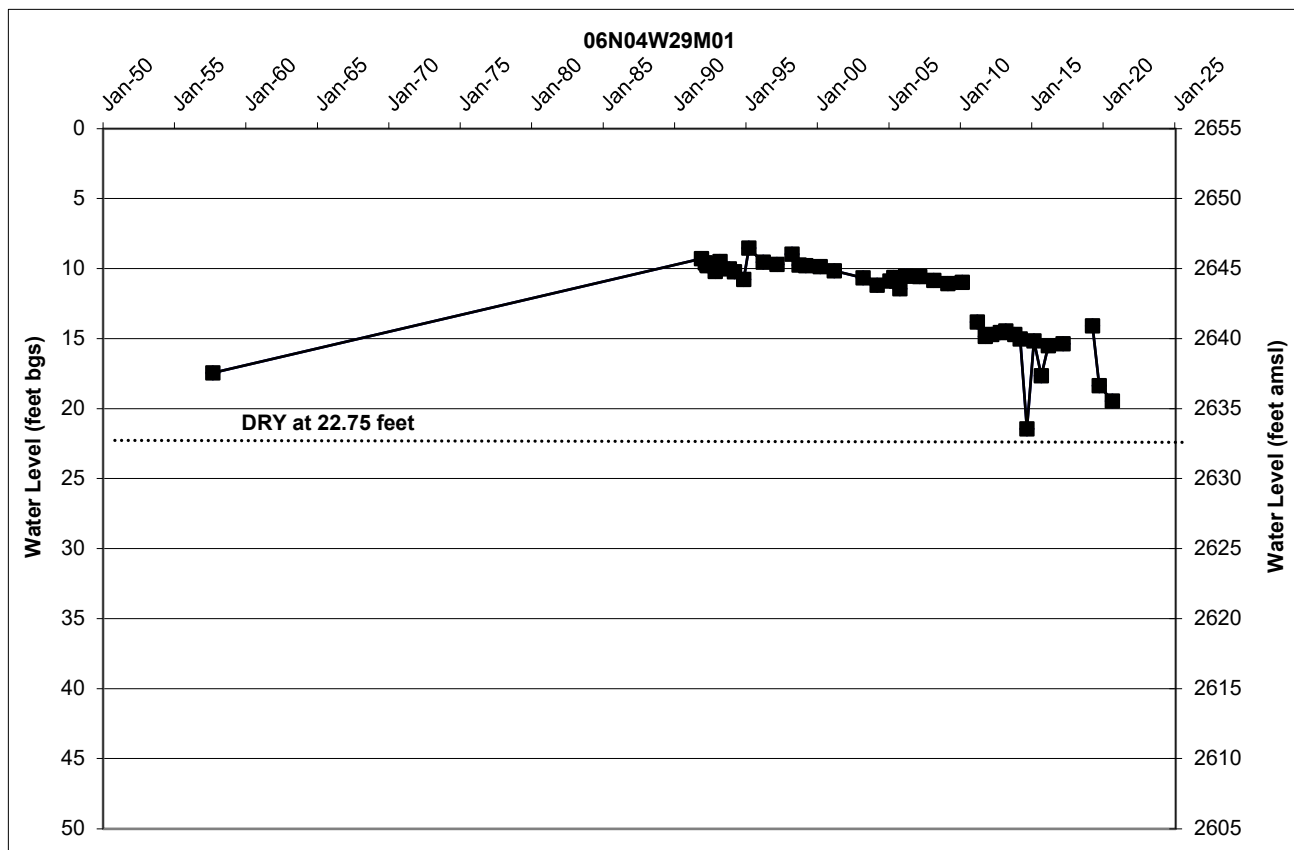


FIGURE 3-9

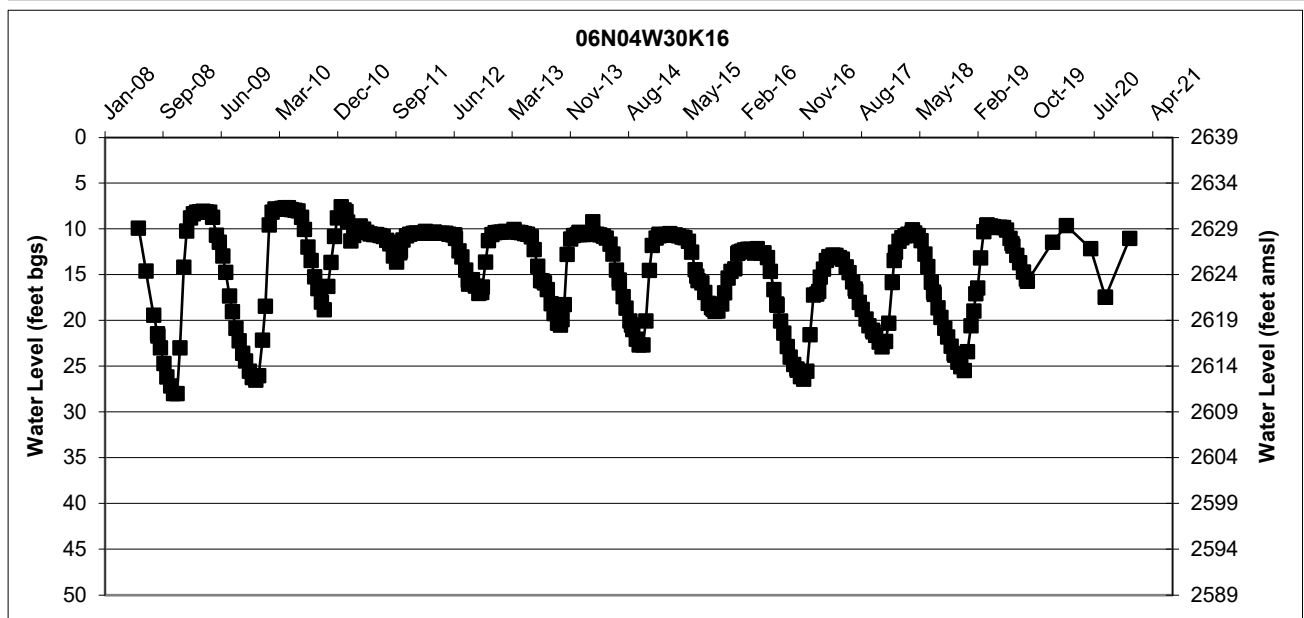
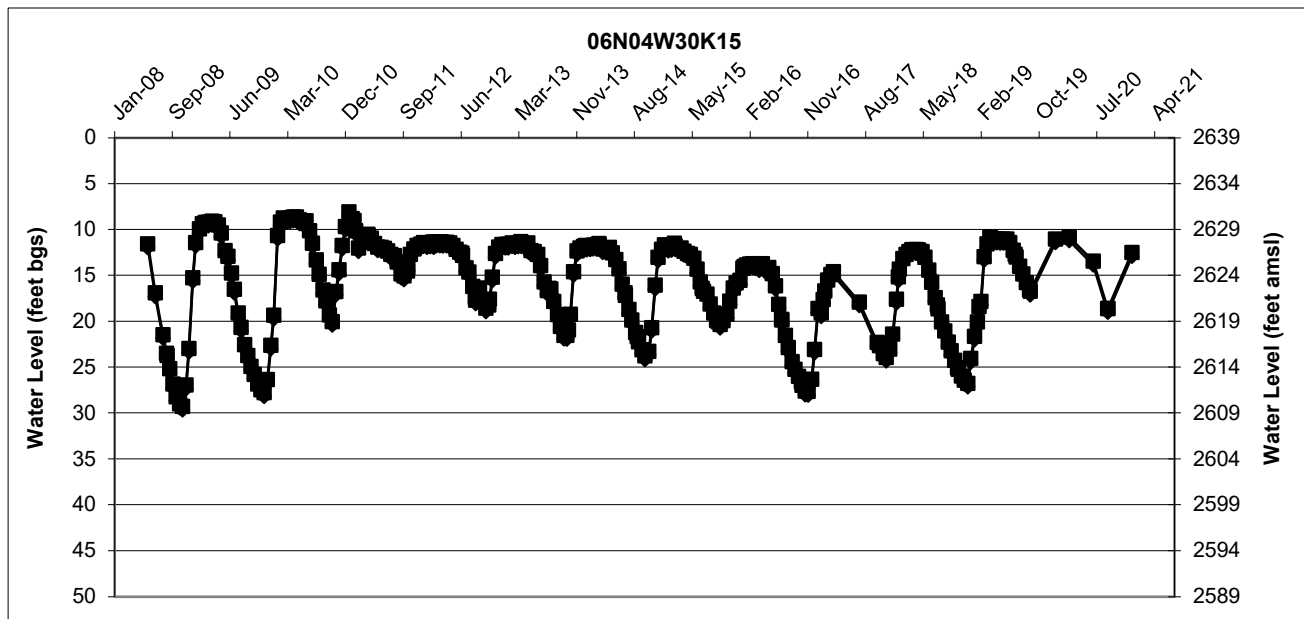
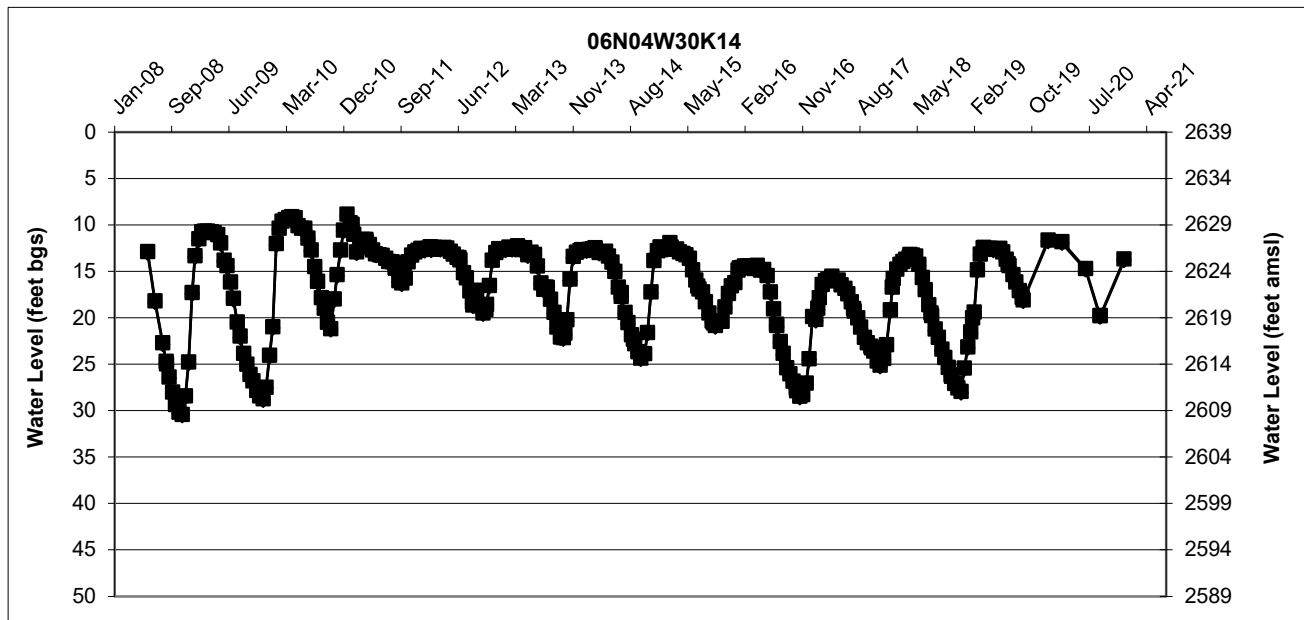


FIGURE 3-9

Transition Zone Water Balance

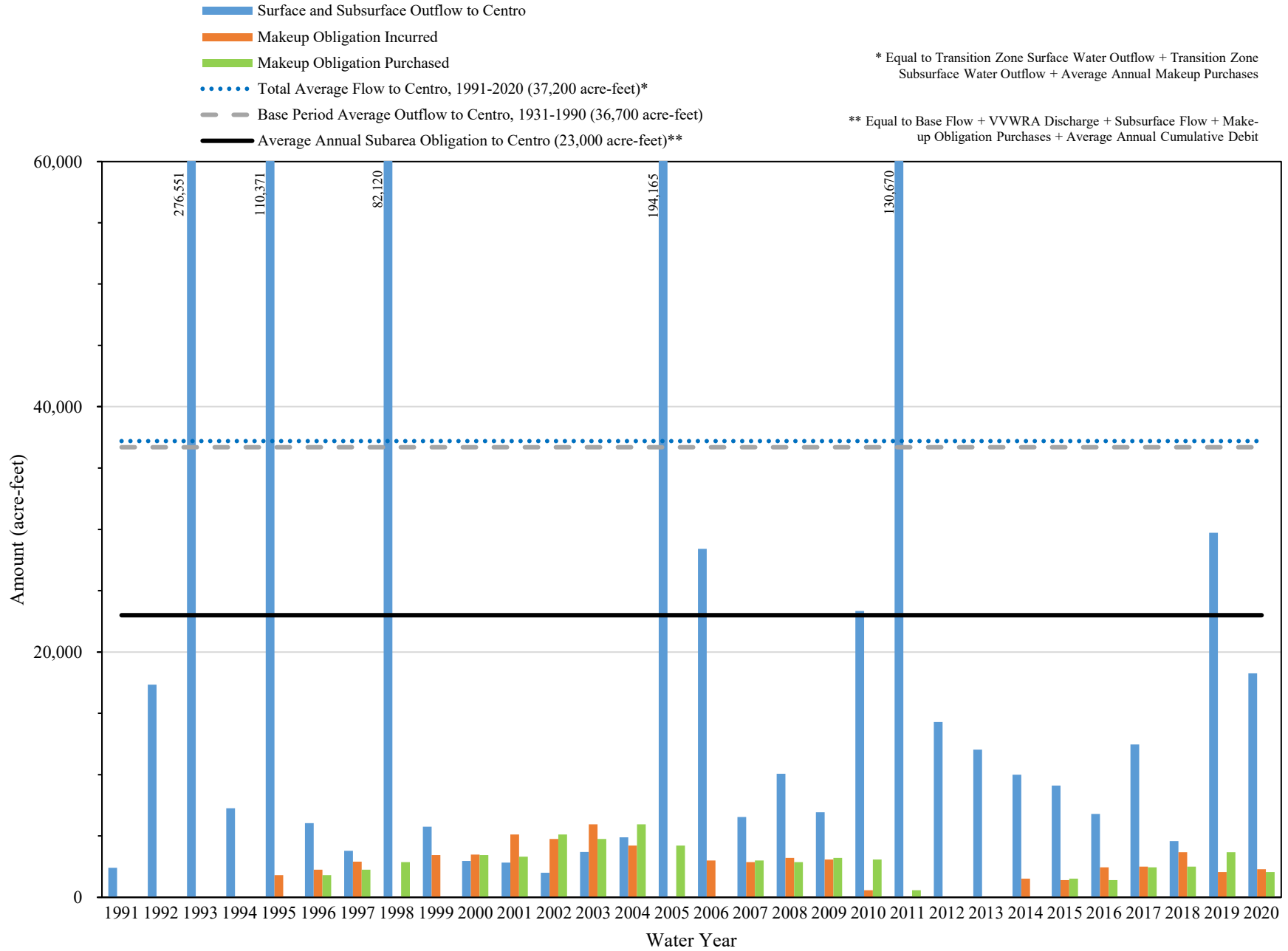


FIGURE 3-10

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 exhibit seasonal variation, rising in winter and falling in summer. We note that variability showing lower lows and lower highs is an indication of extractions exceeding recharge over time. 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-term local negative impacts

such as declining yields and water quality problems. Water levels in near river wells, particularly in the south part of Alto, experienced a trend of decline for 6 years consistent with limited recharge due to drier than average conditions. Water supply conditions for the past 9 years have been dry (47% 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.

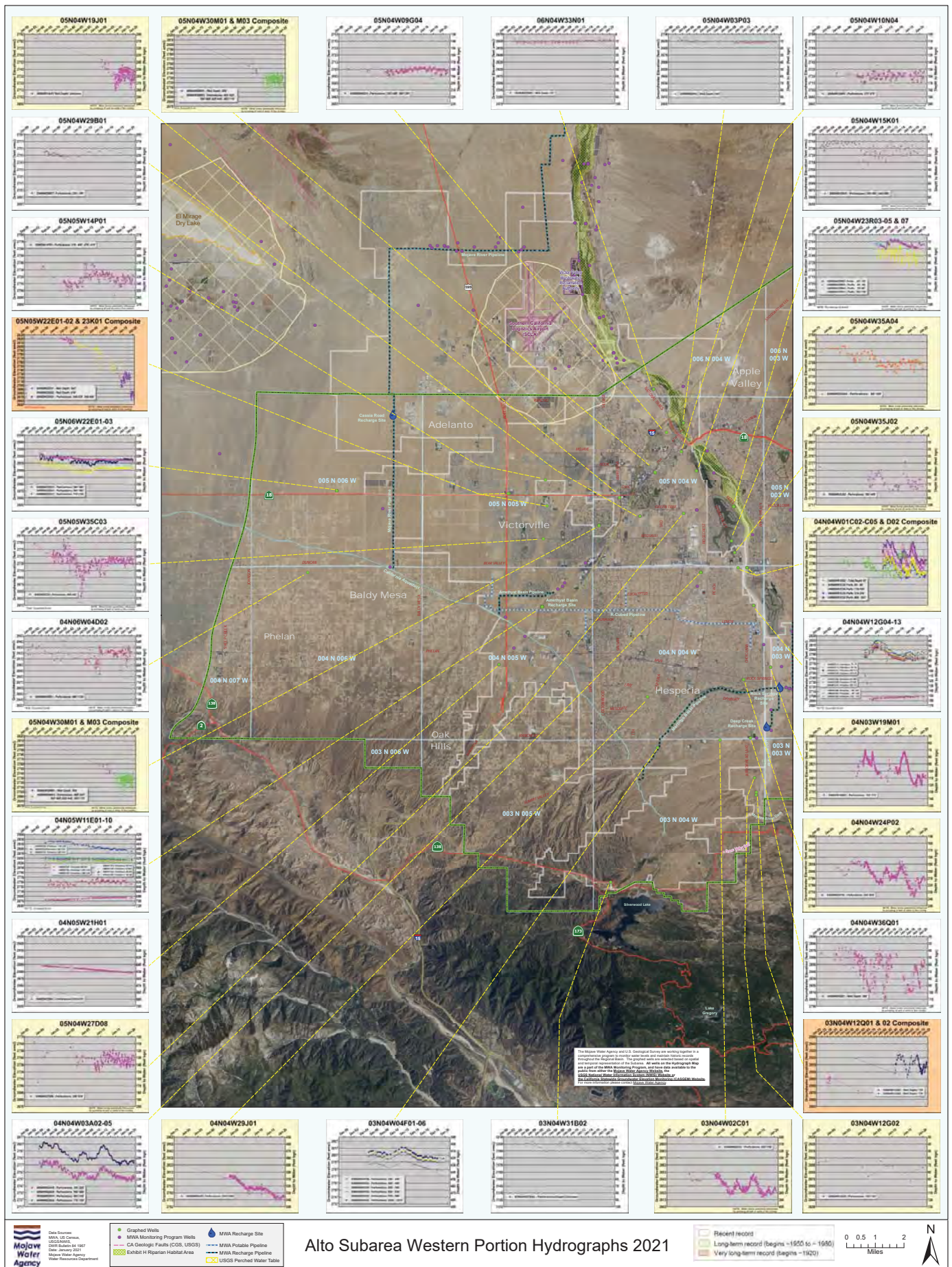


FIGURE 3-11

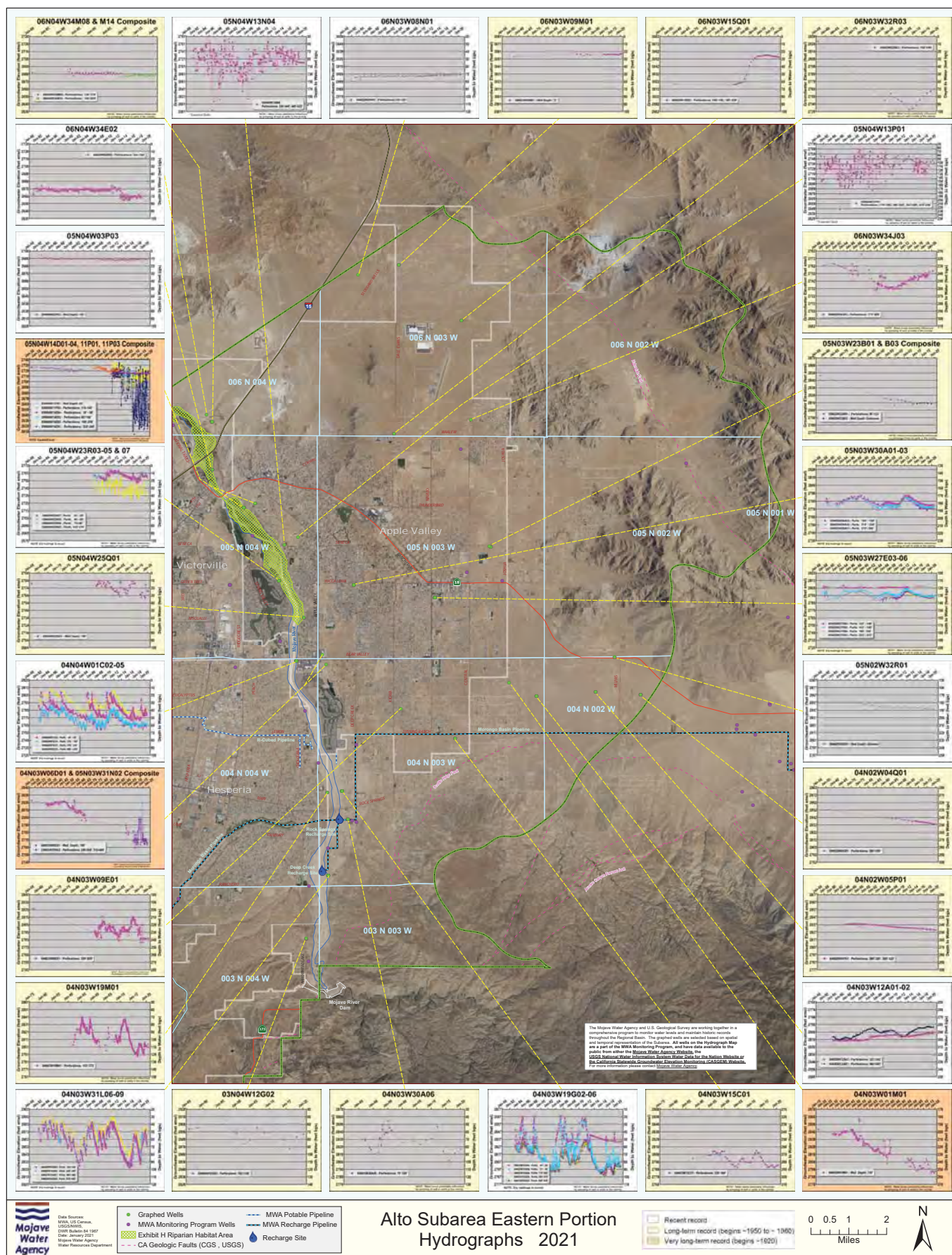


FIGURE 3-12

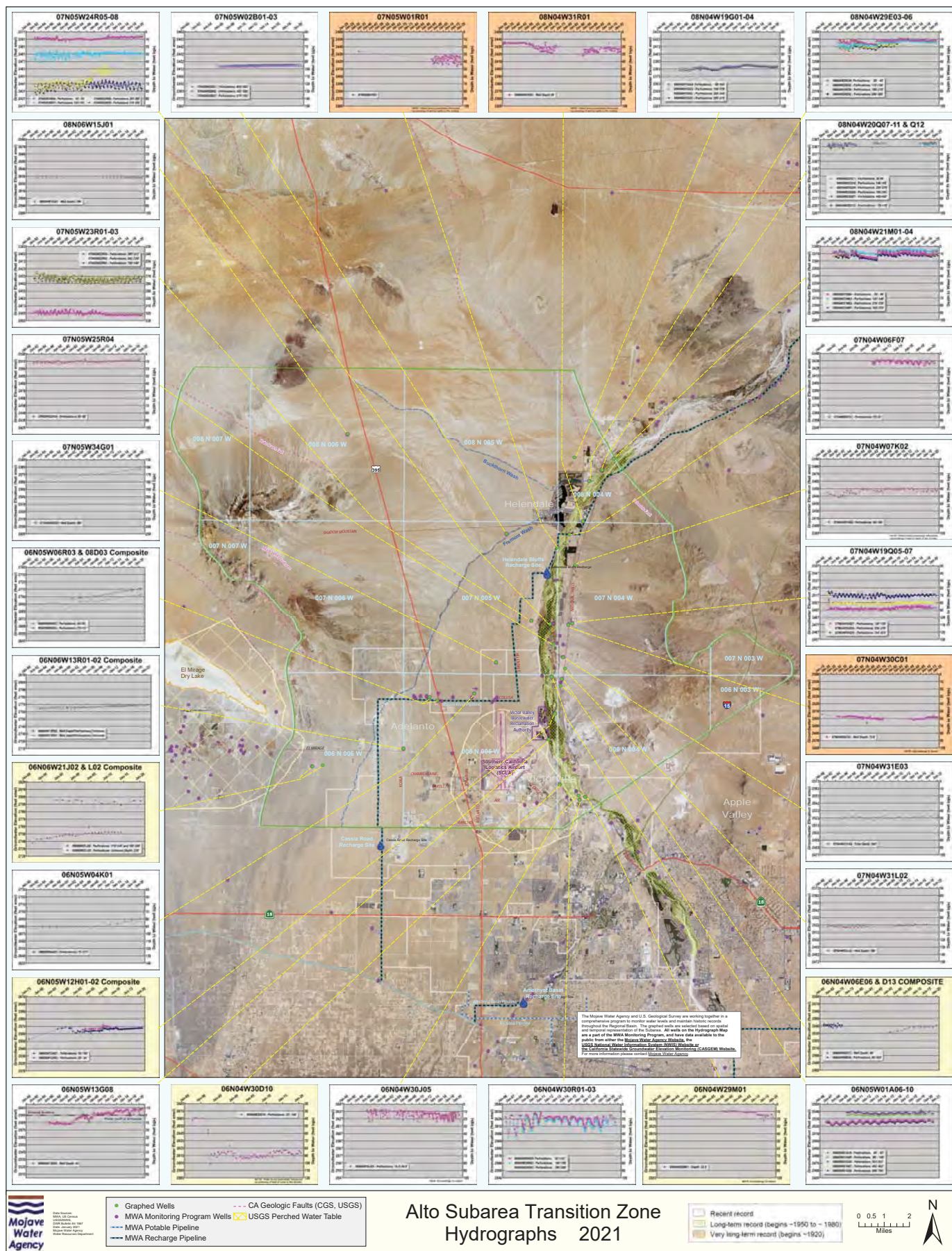


FIGURE 3-13

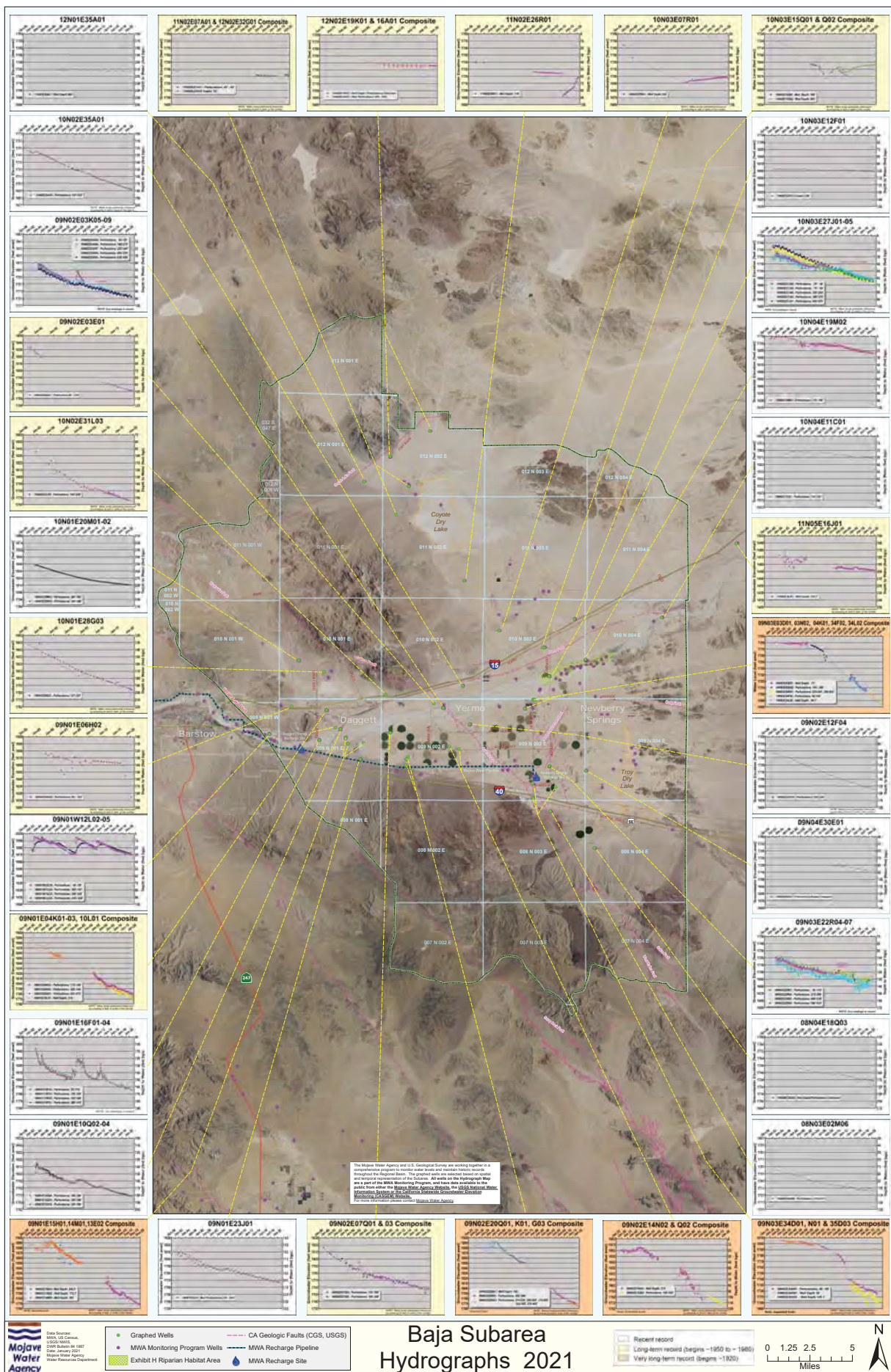


FIGURE 3-14

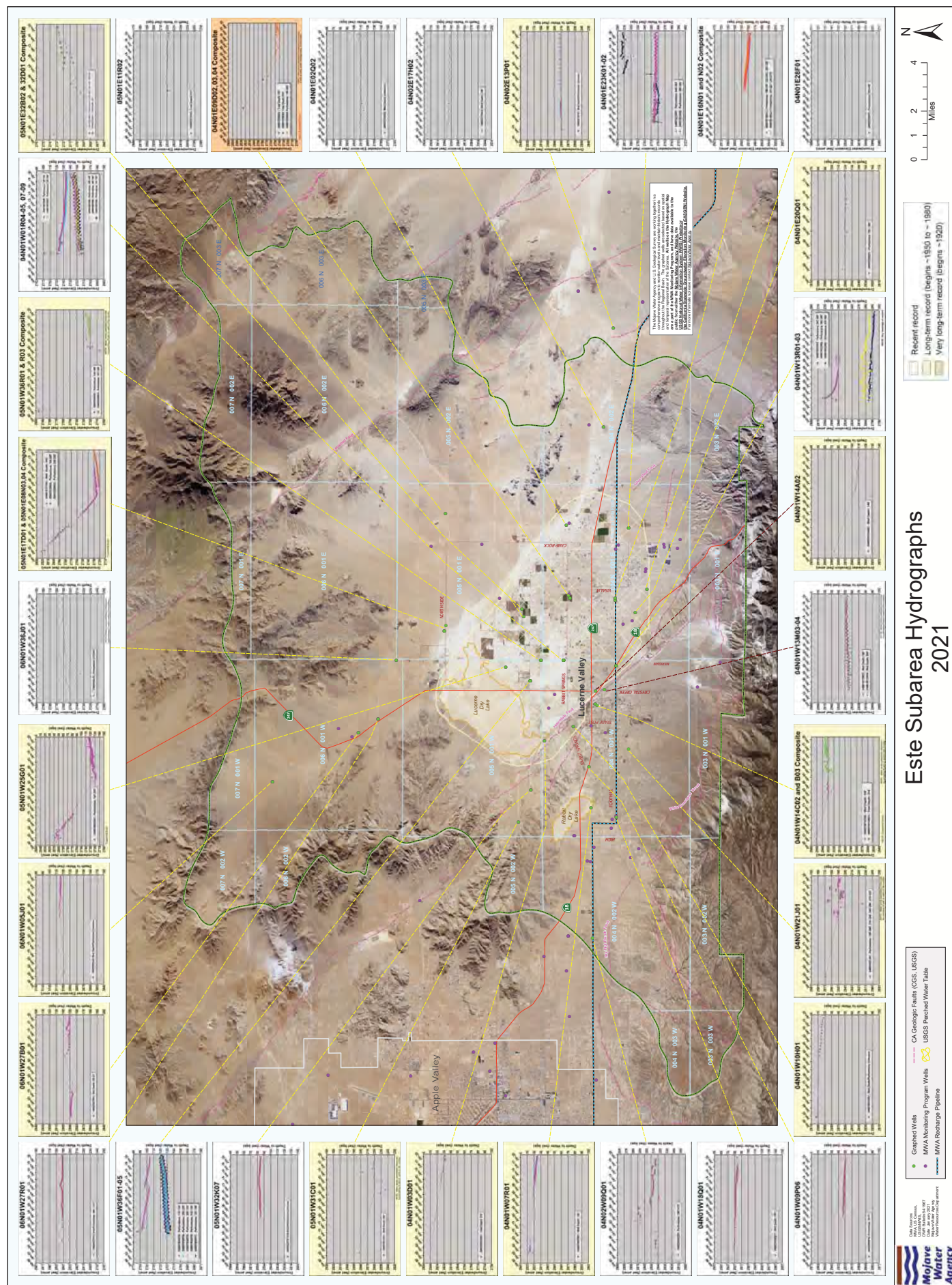


FIGURE 3-16

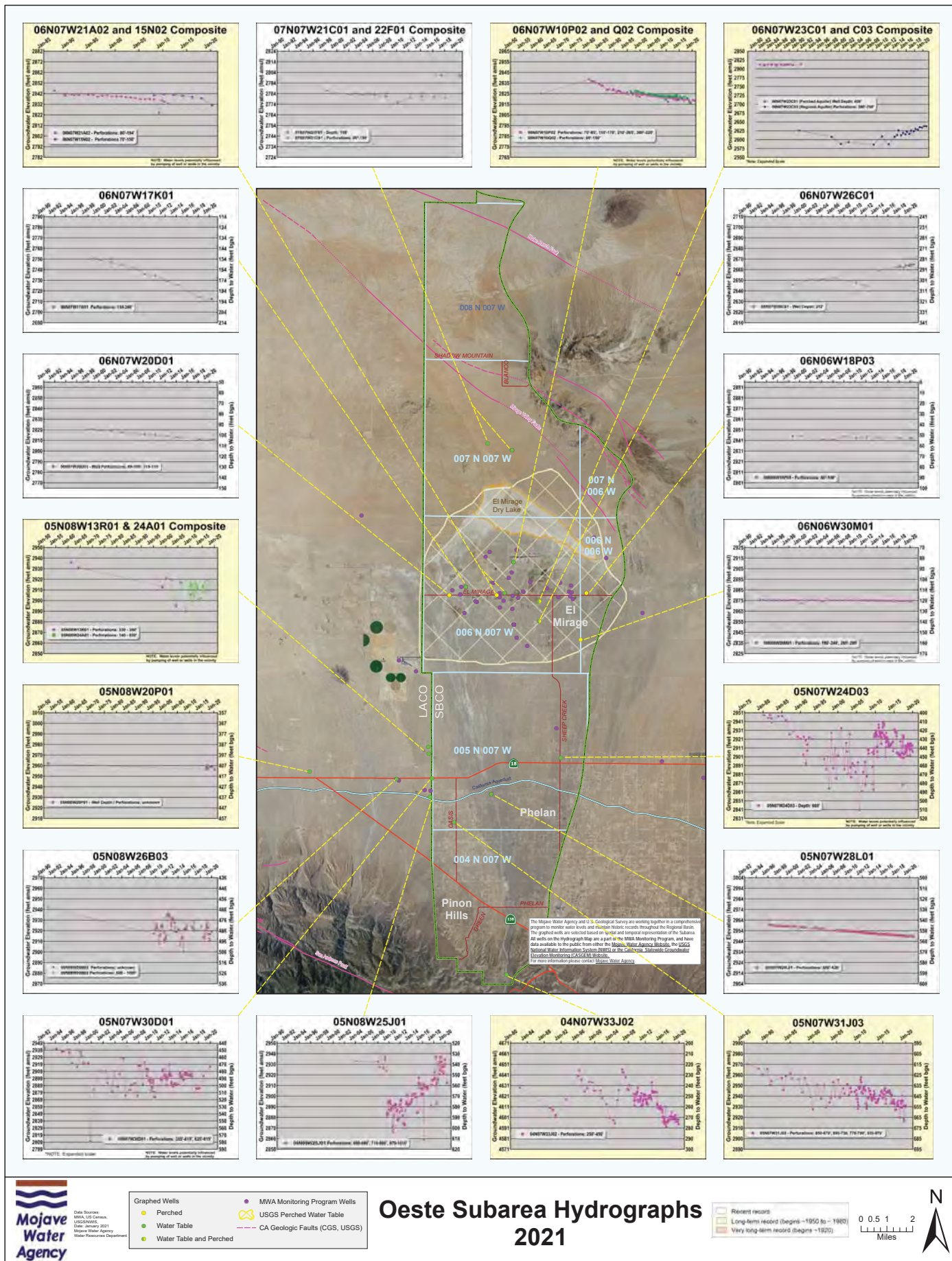


FIGURE 3-17

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 eight 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 2020.

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 20 years. As shown on Table 3-2, water supply for Este for 2019-20 is approximately 4,300 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 19 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 20 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 478,166 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 2019-20 is shown on Table 3-2.

TABLE 3-2

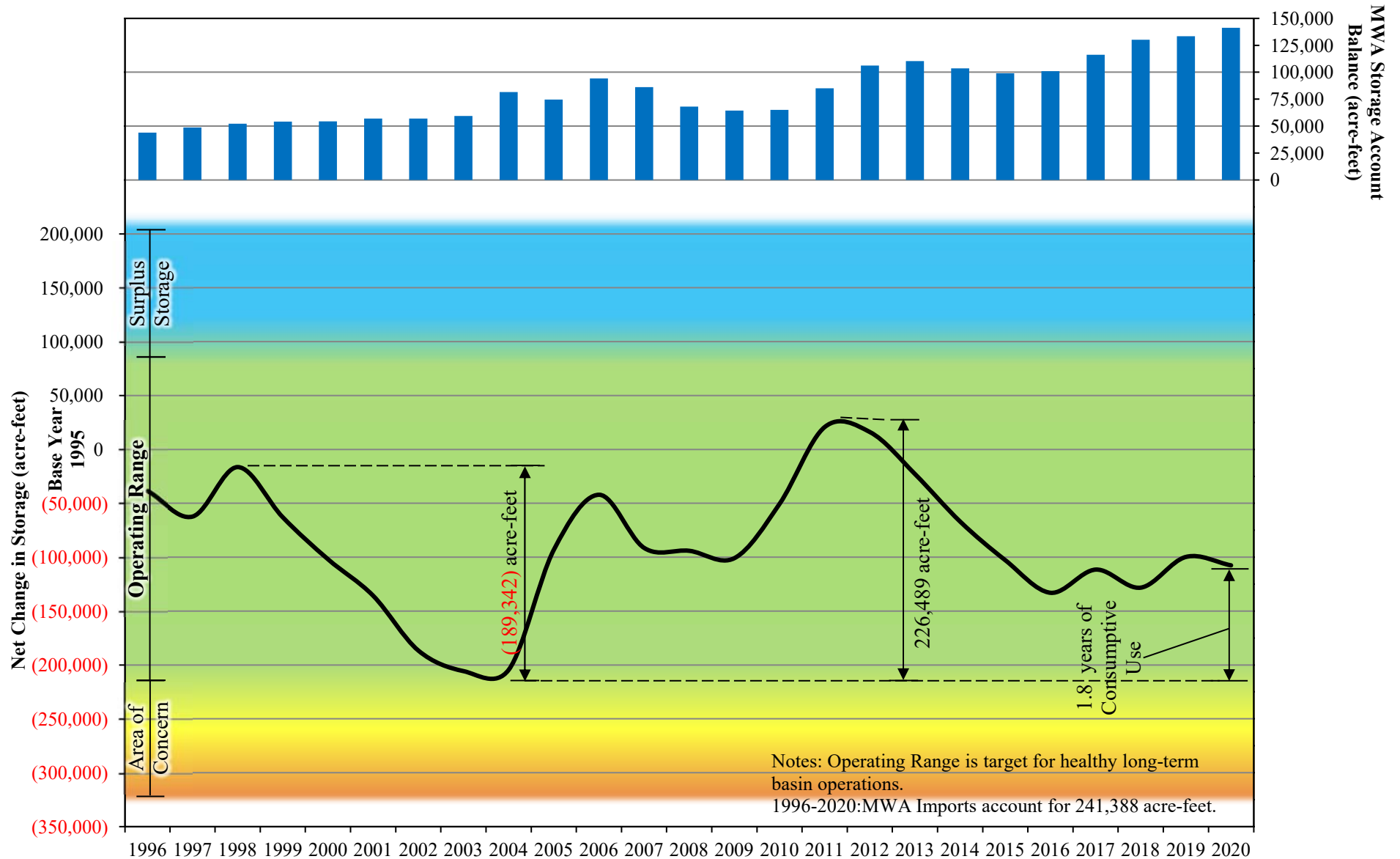
**ANNUAL CHANGE IN STORAGE BY SUBAREA
WATER YEAR 2019-20
(AMOUNTS IN ACRE-FEET)**

	<u>Este¹</u>	<u>Oeste²</u>	<u>Alto</u>	<u>Centro</u>	<u>Baja</u>	<u>Total</u>
Total Water Supply	4,318	3,328	62,873	18,749	2,274	91,542
Total Outflow and Consumptive Use	4,318	3,328	70,804	18,625	22,389	119,464
Net Change in Storage	0	0	(7,931)	124	(20,115)	(27,922)

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 2020**



Notes: Operating Range is target for healthy long-term basin operations.
 1996-2020:MWA Imports account for 241,388 acre-feet.

FIGURE 3-18

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 56,045 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 2012-2020 based on analysis of individual producers, Robert C. Wagner, Watermaster Engineer, 2021.

Centro Subarea **Net Change in Storage and MWA Storage Account Balance** **Water Years 1996 through 2020**

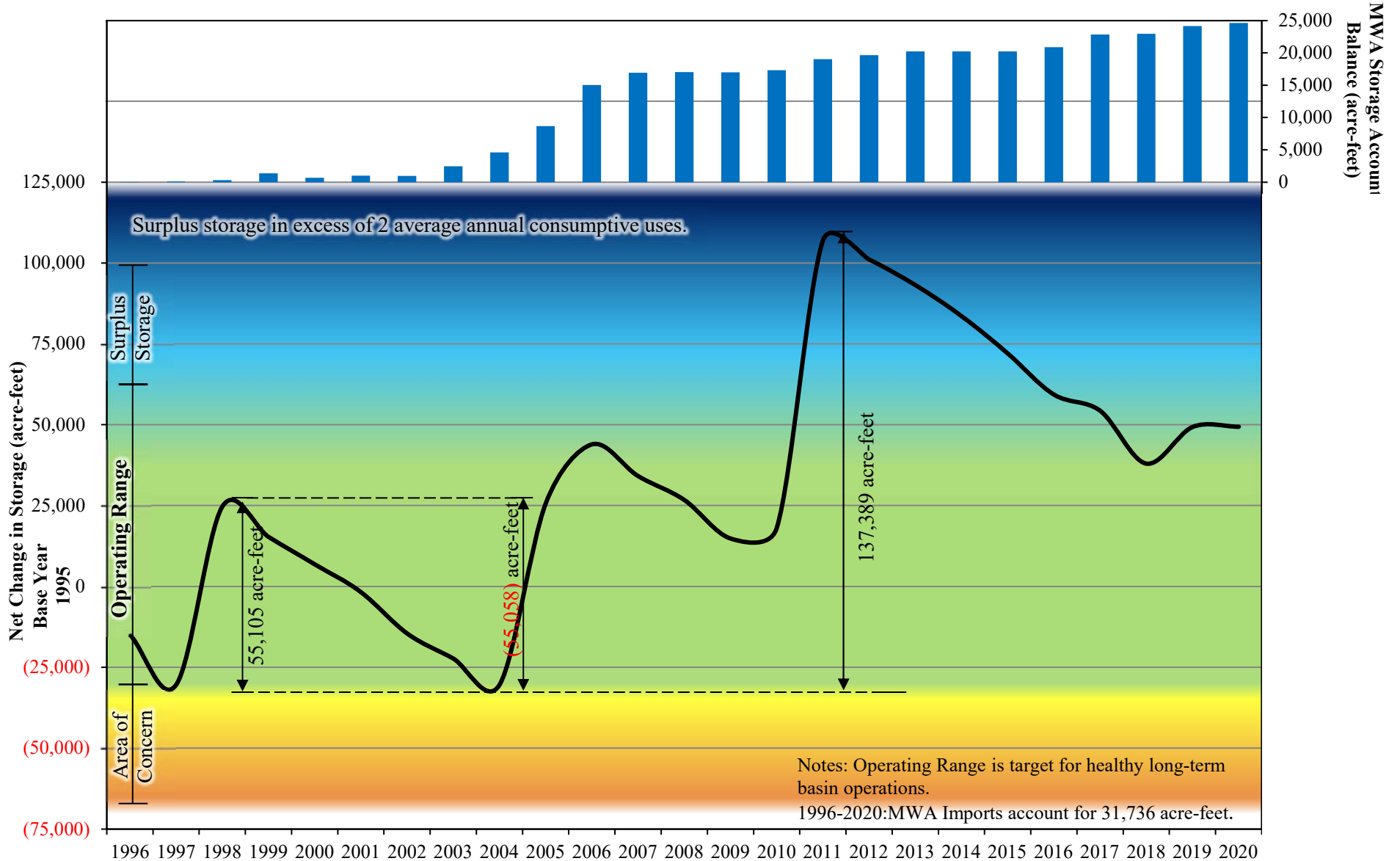


FIGURE 3-19

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 18,428 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 2012-2020 based on analysis of individual producers, Robert C. Wagner, Watermaster Engineer, 2021.

Baja Subarea
Net Change in Storage and MWA Storage Account Balance
Water Years 1996 through 2020

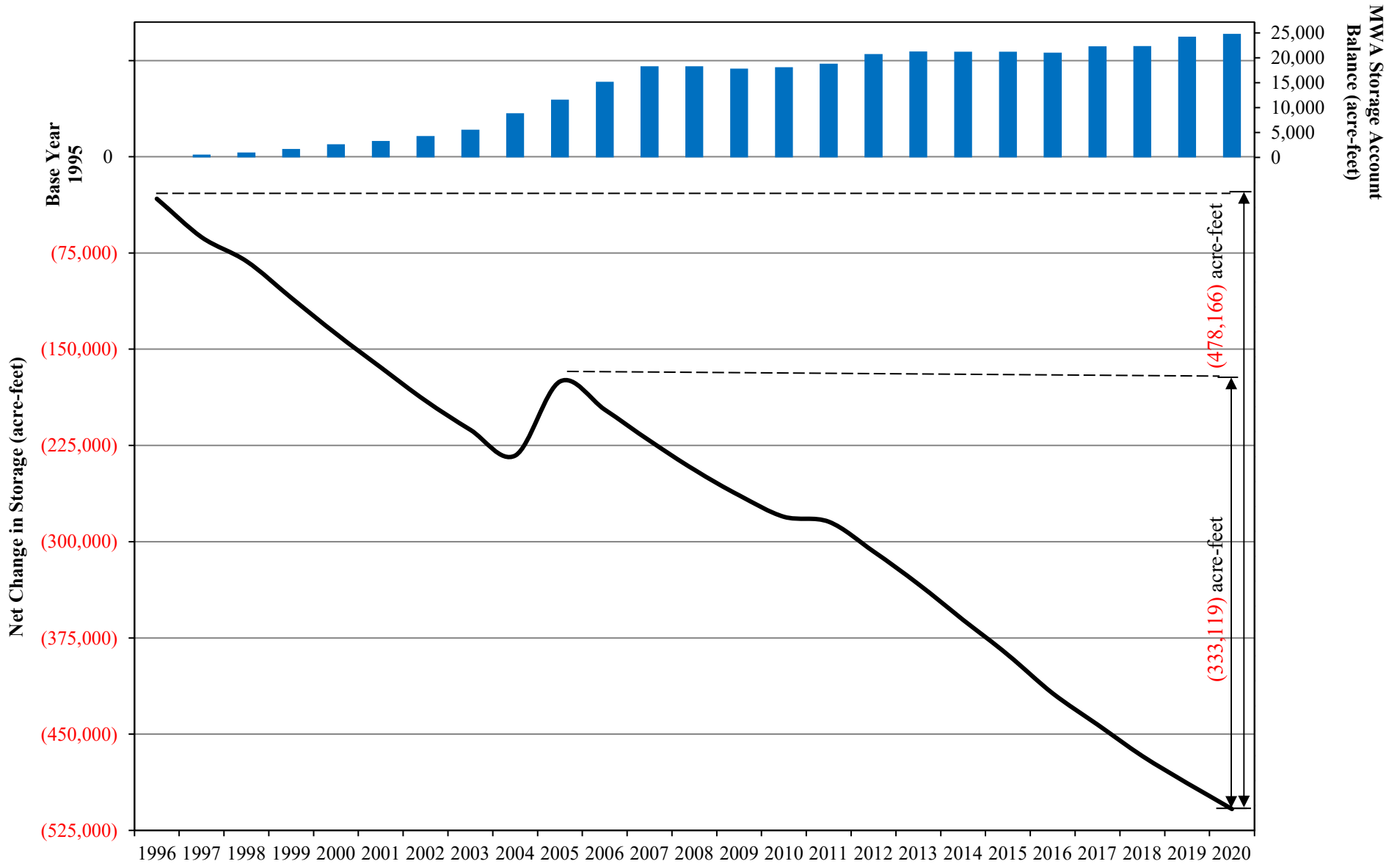


FIGURE 3-20

Source: Consumptive Use for 1996-2011 per Robert C. Wagner, Watermaster Engineer. Consumptive Use for 2012-2020 based on analysis of individual producers, Robert C. Wagner, Watermaster Engineer, 2021.

Este Subarea
Net Change in Storage and MWA Storage Account Balance
Water Years 1996 through 2020

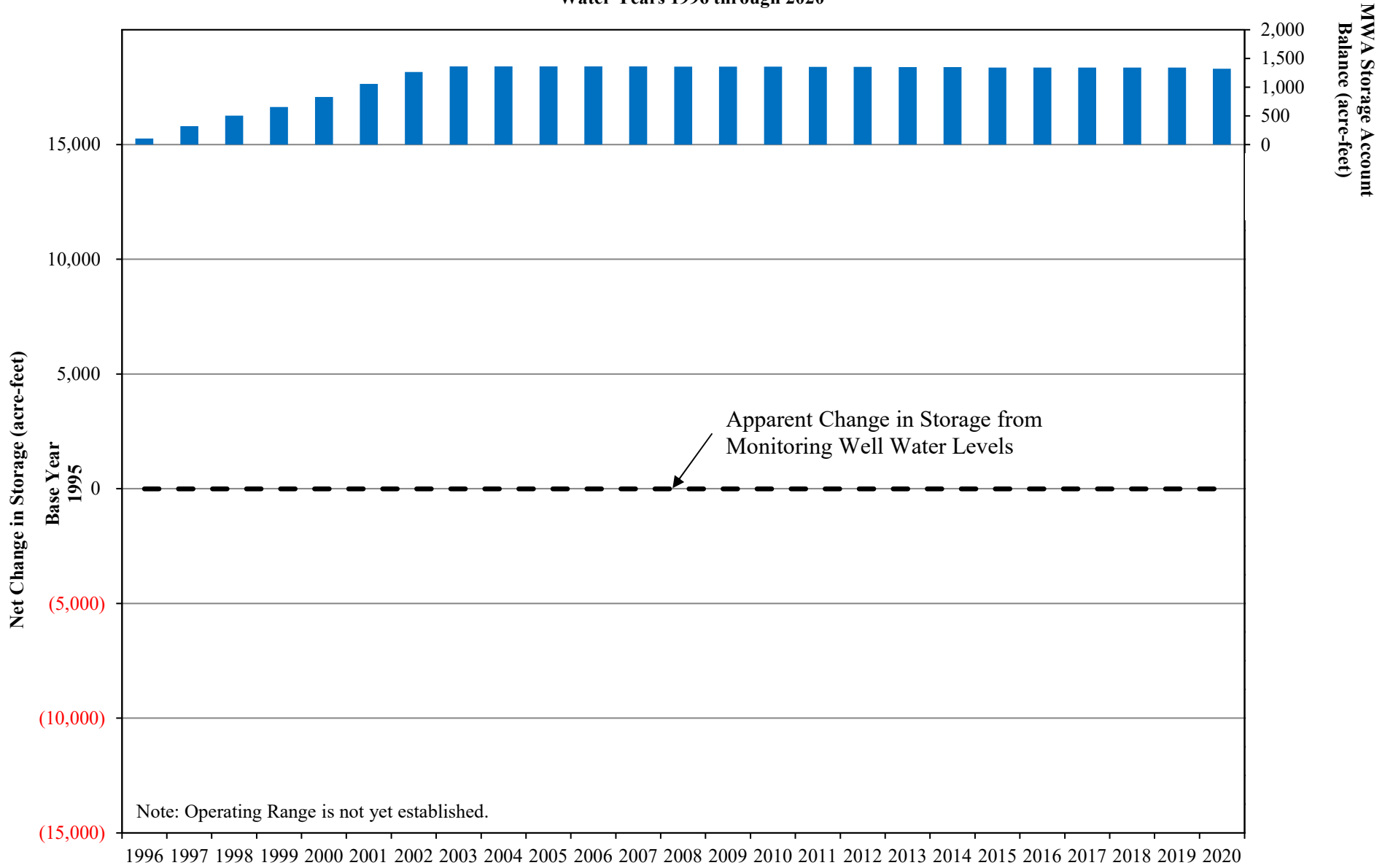


FIGURE 3-21

Oeste Subarea
Net Change in Storage and MWA Storage Account Balance
Water Years 1996 through 2020

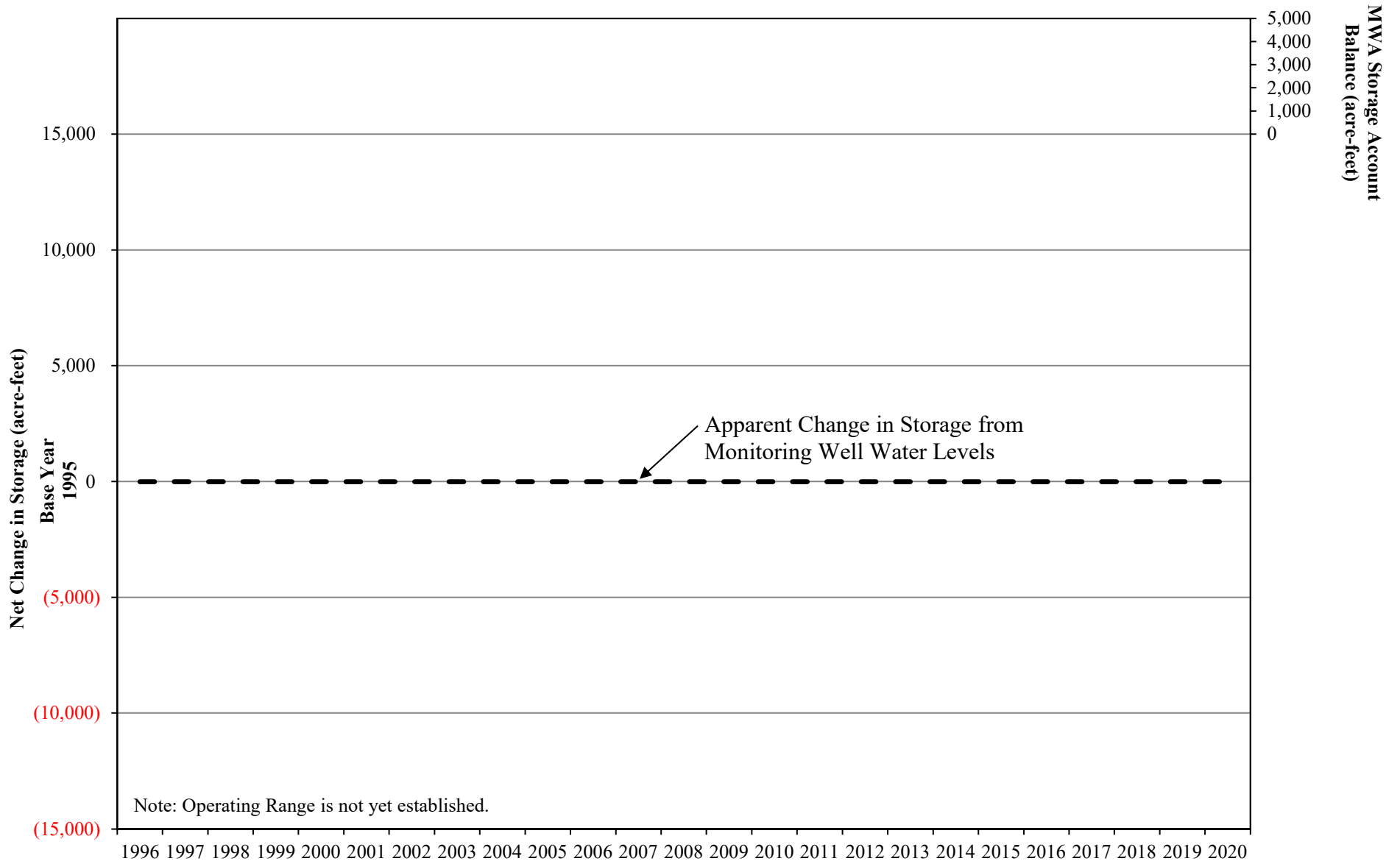


FIGURE 3-22

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, 2021.

Replacement Water

Each Producer's Replacement Water Obligation in each Subarea was calculated by subtracting that Producer's 2019-20 share of FPA (plus any transferred or carryover FPA) from that Producer's verified production in 2019-20. Each Producer's Replacement Water Assessment was calculated by multiplying that Producer's Replacement Water Obligation by the 2019-20 Replacement Water Assessment Rate of \$604.00 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 2019-20 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 2021. Unused FPA during 2019-20 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 2019-20 in each Subarea.

TABLE 4-1

**SUMMARY OF REPLACEMENT WATER OBLIGATIONS
AND
REPLACEMENT WATER ASSESSMENTS FOR
WATER YEAR 2019-20**

<u>Subarea</u>	<u>Replacement Water Obligations</u> (acre-feet)	<u>Replacement Water Assessments</u>	<u>Unused FPA</u> (acre-feet)
Este	442	\$266,968.00	14,227
Oeste	0	\$0.00	4,750
Alto	18,791	\$11,349,764.00	17,621
Centro	86	\$51,944.00	34,592
Baja	1,006	\$607,624.00	11,696
Total	20,325	\$12,276,300.00	82,886

Makeup Water

The Base Flow determination of 5,185 acre-feet prepared by the Watermaster Engineer was presented to the Watermaster at the regularly scheduled meeting January 27, 2021. Table 4-2 summarizes the flows credited to each Subarea obligation during Water Year 2019-20, the status of each Subarea at the end of the year and each minimum obligation for Water Year 2019-20. The Makeup Obligation from the Alto Subarea to the Centro Subarea for Water Year 2019-20 is 2,285 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 2019-20

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 2019-20					
Cumulative Obligation	5,200	20,800	598,000	31,200	10,400
Cumulative Flow	5,200	20,800	577,480	31,200	7,291
Net cumulative Credit (Debit)	0	0	(20,520)	0	(3,109)
Flow During 2019-20					
Base Flow	---	---	5,185	---	---
Subsurface Flow	200	800	2,000	1,200	249
Other Water	0	0	13,719	0	0
Makeup Water Purchased	<u>0</u>	<u>0</u>	<u>2,051</u>	<u>0</u>	<u>0</u>
Total Flow	200	800	22,955	1,200	249
Minimum Obligations for 2019-20	160	640	25,240	960	3,029
Makeup Obligation Incurred	0	0	2,285	0	2,780
Status at End of 2019-20					
Cumulative Obligation	5,400	21,600	621,000	32,400	10,800
Cumulative Flow	<u>5,400</u>	<u>21,600</u>	<u>600,435</u>	<u>32,400</u>	<u>7,540</u>
Net Cumulative Credit (Debit)	0	0	(20,565)	0	(3,260)
Minimum Obligation for 2020-21					
Annual Minimum	160	640	18,400	960	320
+ 1/3 of Cumulative Debit	0	0	6,855	0	1,087
+ Additional to reduce Cumulative Debit to Annual Obligation	0	0	0	0	1,773
Alternative Minimum for Alto ¹	---	---	---	---	---
Minimum Obligation for 2020-21	160	640	25,255	960	3,180 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 2010-11 THROUGH 2019-20**

Water Year	<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>	<u>2019-20</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	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)
Flow During Water Year										
Base Flow	10,149	8,829	7,325	6,227	5,418	4,851	4,031	3,662	4,533	5,185
Subsurface Flow	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Other Water	14,825	14,674	14,310	12,898	12,926	12,940	13,262	12,824	13,077	13,719
Makeup Water Purchased	<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>	<u>2,051</u>
Total Flow	27,539	25,503	23,635	21,125	21,857	21,197	21,740	20,991	23,284	22,955
Minimum Obligations	25,197	23,684	22,850	22,638	23,263	23,644	24,245	24,665	25,335	25,240
Makeup Obligation Incurred	0	0	0	1,513	1,406	2,447	2,505	3,674	2,051	2,285
Status at End of Water Year										
Cumulative Obligation	414,000	437,000	460,000	483,000	506,000	529,000	552,000	575,000	598,000	621,000
Cumulative Flow	<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>	<u>600,435</u>
Net Cumulative Credit (Debit)	(15,852)	(13,349)	(12,714)	(14,589)	(15,732)	(17,535)	(18,795)	(20,804)	(20,520)	(20,565)
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	5,284	4,450	4,238	4,863	5,244	5,845	6,265	6,935	6,840	6,855
+ 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	23,684	22,850	22,638	23,263	23,644	24,245	24,665	25,335	25,240	25,255

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

CHAPTER 5

FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2021-22

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>2020-21 FPA</u>	<u>Production Safe Yield</u>	<u>Percent Difference¹</u>	<u>2019-20 Verified Production</u>
Alto	116,412	65,924	64,406	1.3%	73,441
Baja	66,157	18,270	12,189	9.2%	18,677
Centro	51,030	36,214	21,088	29.6%	16,756
Este	20,205	14,453	4,728	48.1%	4,227
Oeste	7,095	4,667	1,712	41.6%	3,439

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 2021-22:

<u>Subarea</u>	<u>Proposed 2021-22 Free Production Allowance</u>
Alto – Agriculture	60% of Base Annual Production
Alto – Municipal & Industrial	55% of Base Annual Production
Centro	65% of Base Annual Production
Baja	20% of Base Annual Production
Este	65% of Base Annual Production
Oeste	60% of Base Annual Production

**Alto – 55% of BAP for M&I
60% of BAP for Agriculture**

FPA in Alto is within 5% of PSY of BAP (1.3%). 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 60% for Water Year 2021-22. M&I FPA will remain at 55% for Water Year 2021-22. As noted above, FPA is within 5% (percentage of BAP) of PSY and thus, Exhibit H does not compel Watermaster to recommend rampdown. While FPA is only 1.3% (percentage of BAP) greater than the estimated PSY, additional rampdown in Alto could be made if conditions warranted. Water levels in some wells show a continuing downward trend in response to locally drier than average water supply during the past 9 years. During 2019-20, inflow measured at Deep Creek and West Fork Mojave River (the forks), was

about 68% of base period average however the average water supply during the recent 9-year period 2012 to 2020, was only 47% of the long-term average. Sustained periods of below average inflow will cause continued water level declines.

Centro – 65% of BAP

FPA in Centro exceeds PSY by more than 5% of BAP (29.6%). 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 65% for Water Year 2021-22.

Baja – 20% of BAP

FPA in Baja exceeds PSY by more than 5% of BAP (9.2%). 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 20% for Water Year 2021-22.

Este – 65% of BAP

FPA in Este exceeds PSY by more than 5% of BAP (48.1%). 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 4,227 acre-feet in 2020. 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 65% for Water Year 2021-22.

Oeste – 60% of BAP

FPA in Oeste exceeds PSY by more than 5% of BAP (41.6%). 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 60% for Water Year 2021-22.

**--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	3,700	1,500	74,000	39,300	15,600	78,600
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	8,900	4,900	97,000	45,900	49,600	150,800
 Surplus / (Deficit)	 (5,200)	 (3,400)	 (23,000)	 (6,600)	 (34,000)	 (72,200)
Total Estimated Production (Current Year) ⁷	15,700	7,600	98,900	46,500	54,300	223,000
 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	Este	Oeste	Alto	Centro	Baja	Basin Totals
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 YIELD¹⁴	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>2019</u>	<u>2020</u>
Operating Revenue	\$ 1,392,018.00	\$ 618,648.00
Operating Expenses	1,466,170.00	607,091.00
Non-operating Revenue (Expense)	(256,258.00)	(62,264.00)
Change in Net Position	(330,410.00)	(50,707.00)
Net Position, beginning of year	1,373,559.00	1,043,149.00
Net Position, end of year	\$ 1,043,149.00	\$ 992,442.00

The Auditor's Report for Fiscal Year 2019-20 ending June 30, 2020 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, 2020 was \$681,841.00.

Administrative Budget for 2021-22

The Administrative Budget for 2021-22 is \$550,406 and is shown on Table 6-1.

Summary of Makeup Water Purchases

The Watermaster purchased 11 acre-feet of Makeup water during the 2019-20 Water Year for the Centro Subarea.

Summary of Replacement Water Purchases

Replacement water purchases by Watermaster during 2019-20 are as follows:

Alto ¹	2,093	acre-feet
Baja	23	acre-feet
Centro	0	acre-feet
Este	0	acre-feet
Oeste	0	acre-feet
Total	2,116	acre-feet

¹ 244 acre-feet of Alto Replacement water was pre-purchased under the MWA Claim Program. 1,788 acre-feet was pre-stored under a storage agreement.

Administrative and Biological Assessment Rates for 2021-22

The Administrative and Biological Assessment Rates for 2021-22 adopted by the Watermaster on March 24, 2021 are as follows:

Administrative	\$ 4.10 per acre-foot of Production
Biological Resources	\$ 0.96 per acre-foot of Production

Projected Replacement and Makeup Water Assessment Rates for 2020-21 and 2021-22

The Replacement and Makeup Water Assessment Rates projected by the Watermaster on March 24, 2021 are as follows:

Replacement and Makeup Water Rate

2020-21	<i>Not to Exceed</i> \$665.00 per acre-foot ¹ (Invoice Date 6-1-2022)
2021-22	\$679.00 per acre-foot (projected) ² (Invoice Date 6-1-2023)

¹ This rate is 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.

² This is a projected rate for obligations incurred in the 2021-22 Water Year which will be billed in June 2023. The fixed rate that will be used for invoicing will be determined by the Mojave Water Agency in February 2023.

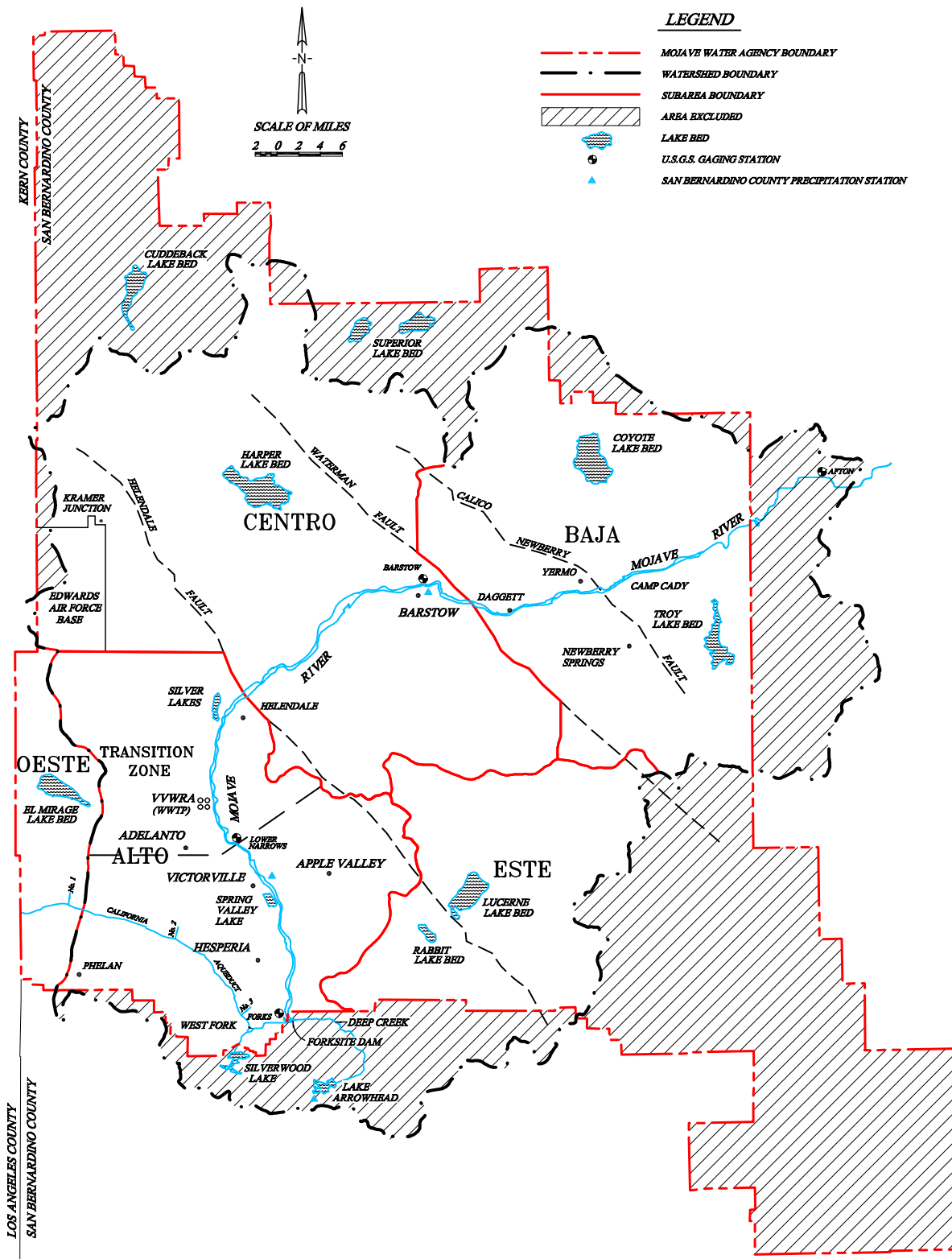
TABLE 6-1

**MOJAVE BASIN AREA WATERMASTER
ADMINISTRATIVE BUDGET
FOR WATER YEAR 2021-22**

1.	Administrative Services	\$ 386,006.00
2.	Engineering Services	\$ 93,500.00
3.	Legal Services	\$ 67,000.00
4.	Audit Services	\$ 3,900.00
Total Estimated Budget		<u>\$ 550,406.00</u>

APPENDIX A

MAP OF THE MOJAVE BASIN AREA



APPENDIX B

PRODUCER REPLACEMENT WATER AND MAKEUP WATER OBLIGATIONS AND ASSESSMENTS DUE FOR 2019-20

APPENDIX B

MARCH 24, 2021

PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS DUE FOR 2019-20
(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)

ESTE SUBAREA

PRODUCER	2019-20 FREE PRODUCTION ALLOWANCE						PRODUCTION						ASSESSMENTS DUE BY JULY 1, 2021 (AMOUNTS IN DOLLARS)		
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2019-20 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT WATER \$604.00/AF	MAKEUP WATER N/A	TOTAL	
				2018-19	2019-20										
				CARRYOVER ³	FPA ⁴										
ABDUL, HARRY AND ANITA	194	146	156	0	0	302	118	146	0	118	0.00	0.00	0.00	0.00	
ABSHIRE, DAVID V.	24	18	2	0	0	20	18	2	0	18	0.00	0.00	0.00	0.00	
AHN REVOCABLE LIVING TRUST	0	0	0	0	0	0	63	0	63	0	0.00	38,052.00	0.00	38,052.00	
AHN REVOCABLE TRUST	28	21	23	0	0	44	16	21	0	16	0.00	0.00	0.00	0.00	
AHN, CHUN SOO AND DAVID	400	300	320	(138)	0	482	0	300	0	0	0.00	0.00	0.00	0.00	
AMERICA UNITED DEVELOPMENT, LLC (FORMERLY: PETTIGREW, JAMES AND CHERLYN)	500	375	0	400	0	775	0	375	0	0	0.00	0.00	0.00	0.00	
ANDERSON, ROSS C. AND BETTY J.	34	26	28	0	0	54	0	26	0	0	0.00	0.00	0.00	0.00	
AVILA, ANGEL AND EVALIA	573	430	459	0	0	889	237	430	0	237	0.00	0.00	0.00	0.00	
BAR H MUTUAL WATER COMPANY	53	40	43	0	0	83	23	40	0	23	0.00	0.00	0.00	0.00	
BELL, CHARLES H. TRUST DATED MARCH 7, 2014	494	371	396	0	0	767	346	371	0	346	0.00	0.00	0.00	0.00	
BRACHT, WILLIAM F. AND ALEXANDER, ALICIA M.	50	38	13	0	0	51	27	24	0	27	0.00	0.00	0.00	0.00	
CASA COLINA FOUNDATION	90	68	72	0	0	140	50	68	0	50	0.00	0.00	0.00	0.00	
CENTER WATER COMPANY	40	30	32	0	0	62	21	30	0	21	0.00	0.00	0.00	0.00	
CHUNG, ET AL.	0	0	0	0	0	0	38	0	38	0	0.00	22,952.00	0.00	22,952.00	
CLUB VIEW PARTNERS	1,276	957	1,021	(9)	0	1,969	0	957	0	0	0.00	0.00	0.00	0.00	
CROSS, SHARON I.	23	18	19	0	0	37	1	18	0	1	0.00	0.00	0.00	0.00	
CROWN CAMBRIA, LLC (FORMERLY: WEISER, ET AL.)	90	68	0	0	0	68	4	64	0	4	0.00	0.00	0.00	0.00	
DACOSTA, DEAN EDWARD	56	42	45	0	0	87	1	42	0	1	0.00	0.00	0.00	0.00	
DAHLQUIST, GEORGE R.	524	393	420	0	0	813	0	393	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	4,832.00	0.00	4,832.00	
DESERT SPRINGS MUTUAL WATER COMPANY	78	59	63	0	0	122	40	59	0	40	0.00	0.00	0.00	0.00	
GABRYCH, EUGENE	2,201	1,651	1,761	0	0	3,412	0	1,651	0	0	0.00	0.00	0.00	0.00	
GAETA, MIGUEL AND MARIA	1,500	1,125	1,200	(15)	0	2,310	80	1,125	0	80	0.00	0.00	0.00	0.00	
GAETA, TRINIDAD (SEE NOTE 15)	512	384	410	0	0	794	296	384	0	296	0.00	0.00	0.00	0.00	
GARDENA MISSION CHURCH, INC.	0	0	0	0	0	0	1	0	1	0	0.00	604.00	0.00	604.00	
GAYJIKIAN, SAMUEL AND HAZEL	102	77	82	0	0	159	1	77	0	1	0.00	0.00	0.00	0.00	
GOLDEN STATE WATER COMPANY	178	134	143	0	0	277	151	126	0	151	0.00	0.00	0.00	0.00	
GORDON ACRES WATER COMPANY	54	41	44	0	0	85	21	41	0	21	0.00	0.00	0.00	0.00	
GUBLER, HANS	30	23	24	0	0	47	10	23	0	10	0.00	0.00	0.00	0.00	
HARVEY, LISA M.	300	225	240	0	0	465	4	225	0	4	0.00	0.00	0.00	0.00	
HERT, SCOTT	276	207	218	0	0	425	213	207	0	213	0.00	0.00	0.00	0.00	
HI-GRADE MATERIALS COMPANY	442	332	354	0	0	686	193	332	0	193	0.00	0.00	0.00	0.00	
HITCHIN LUCERNE, INC.	16	12	13	0	0	25	11	12	0	11	0.00	0.00	0.00	0.00	
JONES TRUST DATED MARCH 16, 2002	89	67	72	0	0	139	21	67	0	21	0.00	0.00	0.00	0.00	
JUBILEE MUTUAL WATER COMPANY	142	107	50	0	0	157	117	40	0	117	0.00	0.00	0.00	0.00	

APPENDIX B

MARCH 24, 2021

PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS DUE FOR 2019-20
(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)

ESTE SUBAREA

PRODUCER	2019-20 FREE PRODUCTION ALLOWANCE						ASSESSMENTS DUE BY JULY 1, 2021 (AMOUNTS IN DOLLARS)								
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2019-20 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	PRODUCTION SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT WATER \$604.00/AF	MAKEUP WATER N/A	TOTAL	
				2018-19	2019-20										
				CARRYOVER ³	FPA ⁴										
JUNIPER RIVIERA COUNTY WATER DISTRICT	37	28	0	0	0	28	70	0	42	28	0.00	25,368.00	0.00	25,368.00	
KIM, JU SANG	30	23	24	0	0	47	1	23	0	1	0.00	0.00	0.00	0.00	
LEE, ANNA K. AND ESHBAN K.	33	25	27	0	0	52	0	25	0	0	0.00	0.00	0.00	0.00	
LEE, DOO HWAN	78	59	63	0	0	122	0	59	0	0	0.00	0.00	0.00	0.00	
LOPEZ, BALTAZAR	385	289	308	0	0	597	1	289	0	1	0.00	0.00	0.00	0.00	
LUA, MICHAEL T. AND DONNA S.	348	261	279	0	0	540	0	261	0	0	0.00	0.00	0.00	0.00	
LUCERNE VALLEY MUTUAL WATER COMPANY	54	41	44	0	0	85	37	41	0	37	0.00	0.00	0.00	0.00	
LUCERNE VALLEY PARTNERS	1,213	910	971	0	0	1,881	0	910	0	0	0.00	0.00	0.00	0.00	
LUCERNE VISTA MUTUAL WATER COMPANY	21	16	16	0	0	32	17	15	0	17	0.00	0.00	0.00	0.00	
M.B. LANDSCAPING AND NURSERY, INC.	1,773	1,330	1,419	0	0	2,749	1,037	1,330	0	1,037	0.00	0.00	0.00	0.00	
MITSUBISHI CEMENT CORPORATION	1,395	1,047	1,116	(172)	0	1,991	330	1,047	0	330	0.00	0.00	0.00	0.00	
MONACO INVESTMENT COMPANY	70	53	56	0	0	109	0	53	0	0	0.00	0.00	0.00	0.00	
MOSS, LAWRENCE W. AND HELEN J.	43	33	34	0	0	67	31	33	0	31	0.00	0.00	0.00	0.00	
NORRIS TRUST, MARY ANN	73	55	59	0	0	114	1	55	0	1	0.00	0.00	0.00	0.00	
OASIS WORLD MISSION	0	0	0	0	0	0	71	0	71	0	0.00	42,884.00	0.00	42,884.00	
OMYA CALIFORNIA, INC.	23	18	0	0	0	18	43	0	25	18	0.00	15,100.00	0.00	15,100.00	
PAK, KAE SOO AND MYONG HUI KANG	247	186	198	(34)	0	350	16	186	0	16	0.00	0.00	0.00	0.00	
PETTIGREW, DAN	22	17	18	0	0	35	0	17	0	0	0.00	0.00	0.00	0.00	
PETTIGREW, JAMES AND CHERLYN	0	0	400	(400)	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
REED, MIKE	58	44	47	0	0	91	1	44	0	1	0.00	0.00	0.00	0.00	
RHEE, ANDREW N.	70	53	33	0	0	86	23	53	0	23	0.00	0.00	0.00	0.00	
ROBERTSON'S READY MIX	0	0	0	0	0	0	155	0	155	0	0.00	93,620.00	0.00	93,620.00	
ROYAL WAY	200	150	160	0	0	310	61	150	0	61	0.00	0.00	0.00	0.00	
S AND E 786 ENTERPRISES, LLC	597	448	478	0	0	926	0	448	0	0	0.00	0.00	0.00	0.00	
SABA FAMILY TRUST DATED JULY 24, 2018	1,120	840	896	0	0	1,736	0	840	0	0	0.00	0.00	0.00	0.00	
SAN BERNARDINO COUNTY SERVICE AREA 29	40	30	0	0	0	30	52	0	22	30	0.00	13,288.00	0.00	13,288.00	
SON'S RANCH	140	105	112	0	0	217	69	105	0	69	0.00	0.00	0.00	0.00	
SPECIALTY MINERALS, INC.	42	32	0	0	0	32	49	0	17	32	0.00	10,268.00	0.00	10,268.00	
SPILLMAN, JAMES R. AND NANCY J.	23	18	19	0	0	37	5	18	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	
WEST END MUTUAL WATER COMPANY	30	23	22	(8)	0	37	15	22	0	15	0.00	0.00	0.00	0.00	
WILSHIRE ROAD PARTNERS	692	519	554	0	0	1,073	0	519	0	0	0.00	0.00	0.00	0.00	
TOTAL	19,251	14,458	15,084	(376)	0	29,166	4,227	14,227	442	3,785	0.00	266,968.00	0.00	266,968.00	

APPENDIX B

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PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS DUE FOR 2019-20
(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)

OESTE SUBAREA

PRODUCER	2019-20 FREE PRODUCTION ALLOWANCE						PRODUCTION					ASSESSMENTS DUE BY JULY 1, 2021 (AMOUNTS IN DOLLARS)		
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2019-20 VERIFIED PRODUCTION ⁶	UNUSED ⁷ FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT WATER \$604.00/AF	MAKEUP WATER N/A	TOTAL
				2018-19 CARRYOVER ³	2019-20 FPA ⁴									
AEROCHEM, INC.	660	495	528	0	0	1,023	8	495	0	8	0.00	0.00	0.00	0.00
BROWN, SUE	0	0	37	(37)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CHAMISAL MUTUAL WATER COMPANY	96	72	52	0	0	124	30	72	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	1,302	977	440	37	0	1,454	871	583	0	871	0.00	0.00	0.00	0.00
PHELAN PIÑON HILLS COMMUNITY SERVICES DISTRICT (SEE NOTE 10)	4,680	3,510	3,744	0	0	7,254	2,525	3,510	0	2,525	0.00	0.00	0.00	0.00
TROEGER FAMILY TRUST, RICHARD H.	112	84	90	0	0	174	4	84	0	4	0.00	0.00	0.00	0.00
TOTAL	6,857	5,144	4,897	0	0	10,041	3,439	4,750	0	3,439	0.00	0.00	0.00	0.00

APPENDIX B

MARCH 24, 2021

PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS DUE FOR 2019-20
(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)

ALTO SUBAREA

PRODUCER	2019-20 FREE PRODUCTION ALLOWANCE						ASSESSMENTS DUE BY JULY 1, 2021 (AMOUNTS IN DOLLARS)								
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2019-20 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT WATER \$604.00/AF	MAKEUP WATER \$604.00/AF	TOTAL	
				2018-19	2019-20										
				CARRYOVER ³	FPA ⁴										
ADELANTO, CITY OF	5,182	2,851	0	73	0	2,924	3,734	0	810	2,924	125.54	489,240.00	75,826.16	565,066.16	
ADES, JOHN AND DEVON	37	28	25	(25)	0	28	4	24	0	4	0.17	0.00	102.68	102.68	
AGCON, INC.	384	212	0	0	0	212	305	0	93	212	9.10	56,172.00	5,496.40	61,668.40	
AMERICAN STATES WATER COMPANY	1,000	550	600	(600)	0	550	0	550	0	0	0.00	0.00	0.00	0.00	
APPLE VALLEY FOOTHILL COUNTY WATER DISTRICT	167	92	30	0	0	122	85	37	0	85	3.65	0.00	2,204.60	2,204.60	
APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT	125	69	3	18	0	90	103	0	13	90	3.86	7,852.00	2,331.44	10,183.44	
APPLE VALLEY UNIFIED SCHOOL DISTRICT	0	0	0	0	0	0	47	0	47	0	0.00	28,388.00	0.00	28,388.00	
APPLE VALLEY VIEW MUTUAL WATER COMPANY	36	20	0	0	0	20	25	0	5	20	0.86	3,020.00	519.44	3,539.44	
APPLE VALLEY, TOWN OF	1,082	596	650	0	0	1,246	434	596	0	434	18.63	0.00	11,252.52	11,252.52	
BASS TRUST, NEWTON T.	514	386	409	(409)	0	386	4	382	0	4	0.17	0.00	102.68	102.68	
BASTIANON REVOCABLE TRUST	77	58	61	(61)	0	58	1	57	0	1	0.04	0.00	24.16	24.16	
BEEBE, DOROTHEY K.	0	0	5	(5)	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
BEINSCHROTH FAMILY TRUST	275	207	20	(20)	0	207	3	204	0	3	0.13	0.00	78.52	78.52	
BEINSCHROTH, ANDY ERIC	250	188	0	0	0	188	1	187	0	1	0.04	0.00	24.16	24.16	
BOX, GEARY S. AND LAURA	22	17	13	(13)	0	17	6	11	0	6	0.26	0.00	157.04	157.04	
BROWN, BOBBY G. AND VALERIA R.	42	32	33	(33)	0	32	1	31	0	1	0.04	0.00	24.16	24.16	
BROWN, JENNIFER	41	31	27	(27)	0	31	5	26	0	5	0.21	0.00	126.84	126.84	
BRUNEAU, KAREN	10	8	8	0	0	16	2	8	0	2	0.09	0.00	54.36	54.36	
BRYANT, IAN	29	22	24	(24)	0	22	0	22	0	0	0.00	0.00	0.00	0.00	
BUNNELL, DICK	24	18	18	(18)	0	18	2	16	0	2	0.09	0.00	54.36	54.36	
CALMAT COMPANY	25	14	11	(11)	0	14	4	10	0	4	0.17	0.00	102.68	102.68	
CALPORTLAND COMPANY - AGRICULTURE	643	483	515	(515)	0	483	0	483	0	0	0.00	0.00	0.00	0.00	
CALPORTLAND COMPANY - ORO GRANDE PLANT	2,809	1,545	1,088	(1,088)	0	1,545	961	584	0	961	41.26	0.00	24,921.04	24,921.04	
CDFW - MOJAVE NARROWS REGIONAL PARK	2,107	1,159	0	0	0	1,159	1,734	0	575	1,159	49.76	347,300.00	30,055.04	377,355.04	
CDFW - MOJAVE RIVER FISH HATCHERY (SEE NOTE 11)	20	15	0	0	0	15	20	0	0	0	0.00	0.00	0.00	0.00	
CEMEX, INC.	1,499	825	0	0	0	825	1,371	0	546	825	35.42	329,784.00	21,393.68	351,177.68	
DLW REVOCABLE TRUST	70	53	56	(56)	0	53	0	53	0	0	0.00	0.00	0.00	0.00	
DOLCH LIVING TRUST ROBERT AND JUDITH	90	68	76	(76)	0	68	1	67	0	1	0.04	0.00	24.16	24.16	
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 (SEE NOTE 12)	0						1,267								
EVENSON, EDWIN H. AND JOYCELAINE C.	70	53	56	0	0	109	1	53	0	1	0.04	0.00	24.16	24.16	
FEDERAL BUREAU OF PRISONS, VICTORVILLE	686	378	0	0	(378)	0	0	0	0	0	0.00	0.00	0.00	0.00	
FINCH, JENIFER	30	23	24	(24)	0	23	0	23	0	0	0.00	0.00	0.00	0.00	
FISCHER REVOCABLE LIVING TRUST	36	27	28	(28)	0	27	1	26	0	1	0.04	0.00	24.16	24.16	
FISHER TRUST, JEROME R.	633	475	507	(507)	0	475	0	475	0	0	0.00	0.00	0.00	0.00	

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PRODUCER	2019-20 FREE PRODUCTION ALLOWANCE						PRODUCTION					ASSESSMENTS DUE BY JULY 1, 2021 (AMOUNTS IN DOLLARS)			
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2019-20 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT	MAKEUP	TOTAL	
				2018-19 CARRYOVER ³	2019-20 FPA ⁴							WATER	WATER		
												\$604.00/AF	\$604.00/AF		
FITZWATER, R. E. (SEE NOTE 12)	291						1								
FRAZIER, ET AL.	50	38	40	(40)	0	38	0	38	0	0	0.00	0.00	0.00	0.00	
GOLDEN STATE WATER COMPANY	940	517	0	0	0	517	934	0	417	517	22.20	251,868.00	13,408.80	265,276.80	
GREEN ACRES ESTATES	25	14	15	0	0	29	8	14	0	8	0.34	0.00	205.36	205.36	
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	7	8	(8)	0	7	0	7	0	0	0.00	0.00	0.00	0.00	
HALANNA EQUITIES III	19	15	12	(12)	0	15	9	6	0	9	0.39	0.00	235.56	235.56	
HAMILTON FAMILY TRUST	108	81	72	(72)	0	81	16	65	0	16	0.69	0.00	416.76	416.76	
HELENDALE COMMUNITY SERVICES DISTRICT	4,009	2,045	1,041	(1,041)	0	2,045	1,555	650	0	1,555	66.76	0.00	40,323.04	40,323.04	
HELENDALE SCHOOL DISTRICT	18	10	11	0	0	21	1	10	0	1	0.04	0.00	24.16	24.16	
HESPERIA - GOLF COURSE, CITY OF	678	373	0	0	0	373	573	0	200	373	16.01	120,800.00	9,670.04	130,470.04	
HESPERIA VENTURE I, LLC	0	0	0	0	0	0	1	0	1	0	0.00	604.00	0.00	604.00	
HESPERIA WATER DISTRICT	14,171	7,795	0	267	274	8,336	13,957	0	5,621	8,336	351.88	3,395,084.00	212,535.52	3,607,619.52	
HESPERIA, CITY OF	6,736	3,705	4,042	(4,042)	0	3,705	0	3,705	0	0	0.00	0.00	0.00	0.00	
HI-GRADE MATERIALS COMPANY	149	82	72	(72)	0	82	22	60	0	22	0.94	0.00	567.76	567.76	
HOLWAY JEFFREY R AND PATRICIA GAGE	8	6	7	(7)	0	6	0	6	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	
HOLY HEAVENLY LAKE, LLC (FORMERLY: BEEBE, DOROTHEY K.)	6	5	0	0	0	5	0	5	0	0	0.00	0.00	0.00	0.00	
HUNT, CONNIE	66	50	53	(53)	0	50	0	50	0	0	0.00	0.00	0.00	0.00	
JAMBOREE HOUSING CORPORATION	0	0	0	53	0	53	41	0	0	41	1.76	0.00	1,063.04	1,063.04	
JESS RANCH WATER COMPANY	7,230	3,977	3,354	(3,354)	0	3,977	1,384	2,593	0	1,384	59.42	0.00	35,889.68	35,889.68	
JOHNSON, CARLEAN	23	18	0	0	8	26	26	0	0	26	1.12	0.00	676.48	676.48	
JOHNSON, RONALD	31	24	25	(25)	0	24	0	24	0	0	0.00	0.00	0.00	0.00	
JOHNSTON, HARRIET AND JOHNSTON, LAWRENCE W.	127	96	99	(99)	(8)	88	6	82	0	6	0.26	0.00	157.04	157.04	
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	355	314	(314)	0	355	59	296	0	59	2.53	0.00	1,528.12	1,528.12	
LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT	658	494	527	(527)	0	494	0	494	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	24.16	24.16	
LENHERT, RONALD AND TONI	37	28	30	0	0	58	8	28	0	8	0.34	0.00	205.36	205.36	
LHC ALLIGATOR, LLC	498	374	0	0	(374)	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	7,486	2,808	0	0	10,294	8,420	1,874	0	8,420	361.50	0.00	218,346.00	218,346.00	
LOW, DEAN	199	150	160	(160)	0	150	0	150	0	0	0.00	0.00	0.00	0.00	
LUCKEY 2010 REVOCABLE TRUST	300	225	239	(239)	0	225	1	224	0	1	0.04	0.00	24.16	24.16	

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PRODUCER	2019-20 FREE PRODUCTION ALLOWANCE						ASSESSMENTS DUE BY JULY 1, 2021 (AMOUNTS IN DOLLARS)								
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2019-20 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	PRODUCTION SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT WATER \$604.00/AF	MAKEUP WATER \$604.00/AF	TOTAL	
				2018-19 CARRYOVER ³	2019-20 FPA ⁴										
MARIANA RANCHOS COUNTY WATER DISTRICT	270	149	0	0	0	149	212	0	63	149	6.40	38,052.00	3,865.60	41,917.60	
MCKINNEY, PAULA	33	25	27	(27)	0	25	0	25	0	0	0.00	0.00	0.00	0.00	
MLH, LLC	13	10	4	0	0	14	8	6	0	8	0.34	0.00	205.36	205.36	
MOJAVE DESERT LAND TRUST	40	30	31	0	0	61	1	30	0	1	0.04	0.00	24.16	24.16	
MOJAVE WATER AGENCY (SEE NOTE 14)	0	0	0	0	0	0	20	0	20	0	0.00	12,080.00	0.00	12,080.00	
NAVAJO MUTUAL WATER COMPANY	88	49	53	0	0	102	26	49	0	26	1.12	0.00	676.48	676.48	
NUÑEZ, LUIS SEGUNDO	0	0	0	0	0	0	1	0	1	0	0.00	604.00	0.00	604.00	
NUNN FAMILY TRUST	36	27	28	(28)	0	27	1	26	0	1	0.04	0.00	24.16	24.16	
ORO GRANDE SCHOOL DISTRICT	107	59	55	0	0	114	90	24	0	90	3.86	0.00	2,331.44	2,331.44	
PAUSTELL, JOAN BEINSCHROTH	170	128	0	0	0	128	0	128	0	0	0.00	0.00	0.00	0.00	
PERRY REVOCABLE LIVING TRUST, THOMAS AND PATRICIA	0	0	0	0	0	0	1	0	1	0	0.00	604.00	0.00	604.00	
PHELAN PIÑON HILLS COMMUNITY SERVICES DISTRICT	355	196	207	0	0	403	176	196	0	176	7.56	0.00	4,566.24	4,566.24	
PITTMAN REVOCABLE TRUST, DIANA J.	148	111	119	0	0	230	1	111	0	1	0.04	0.00	24.16	24.16	
POLICH, DONNA	65	49	52	(52)	0	49	0	49	0	0	0.00	0.00	0.00	0.00	
RANCHERITOS MUTUAL WATER COMPANY	169	93	0	0	0	93	112	0	19	93	3.99	11,476.00	2,409.96	13,885.96	
RIM PROPERTIES, A GENERAL PARTNERSHIP	9	7	8	(8)	0	7	0	7	0	0	0.00	0.00	0.00	0.00	
RUE RANCH, INC.	30	23	15	(15)	0	23	7	16	0	7	0.30	0.00	181.20	181.20	
SAN BERNARDINO COUNTY - HIGH DESERT DETENTION CENT	0	0	0	0	0	0	157	0	157	0	0.00	94,828.00	0.00	94,828.00	
SAN BERNARDINO COUNTY SERVICE AREA 42	465	256	225	(225)	0	256	58	198	0	58	2.49	0.00	1,503.96	1,503.96	
SAN BERNARDINO COUNTY SERVICE AREA 64	3,822	2,103	139	(139)	0	2,103	2,687	0	584	2,103	90.29	352,736.00	54,535.16	407,271.16	
SAN BERNARDINO COUNTY SERVICE AREA 70J	1,015	559	0	302	0	861	1,625	0	764	861	36.97	461,456.00	22,329.88	483,785.88	
SCRAY, MICHELLE A. TRUST	15	12	11	(11)	0	12	1	11	0	1	0.04	0.00	24.16	24.16	
SERVICE ROCK PRODUCTS CORPORATION	20	11	12	0	0	23	7	11	0	7	0.30	0.00	181.20	181.20	
SHEEP CREEK WATER COMPANY	0	0	0	0	0	0	19	0	19	0	0.00	11,476.00	0.00	11,476.00	
SILVER LAKES ASSOCIATION	4,987	2,743	0	734	0	3,477	3,235	242	0	3,235	138.89	0.00	83,889.56	83,889.56	
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	2,073	121	137	0	2,331	2,393	0	62	2,331	100.08	37,448.00	60,448.32	97,896.32	
SPRING VALLEY LAKE COUNTRY CLUB	977	538	250	0	0	788	742	46	0	742	31.86	0.00	19,243.44	19,243.44	
STORM, RANDALL	62	47	50	(50)	0	47	0	47	0	0	0.00	0.00	0.00	0.00	
SUDMEIER, GLENN W.	20	15	15	(15)	0	15	1	14	0	1	0.04	0.00	24.16	24.16	
SUMMIT VALLEY RANCH, LLC	57	43	43	(43)	0	43	8	35	0	8	0.34	0.00	205.36	205.36	
THOMPSON LIVING TRUST, JAMES A. AND SULA B.	418	314	331	(331)	0	314	3	311	0	3	0.13	0.00	78.52	78.52	
THOMPSON LIVING TRUST, R.L. AND R.A.	2	2	1	0	0	3	1	2	0	1	0.04	0.00	24.16	24.16	
THRASHER, GARY	373	280	291	(291)	0	280	5	275	0	5	0.21	0.00	126.84	126.84	
THUNDERBIRD COUNTY WATER DISTRICT	118	65	0	0	0	65	109	0	44	65	2.79	26,576.00	1,685.16	28,261.16	
TRANSAMERICA FIN'L SVC - SPEARS, LARRY B. AND ERLINDA	26	20	21	0	0	41	0	20	0	0	0.00	0.00	0.00	0.00	
VANHOOPS HOLDINGS, LP	360	270	288	(288)	0	270	1	269	0	1	0.04	0.00	24.16	24.16	

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PRODUCER	2019-20 FREE PRODUCTION ALLOWANCE						ASSESSMENTS DUE BY JULY 1, 2021 (AMOUNTS IN DOLLARS)								
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2019-20 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	PRODUCTION SUBJECT TO MAKEUP ⁹ OBLIGATION	MAKEUP WATER OBLIGATION	REPLACEMENT WATER \$604.00/AF	MAKEUP WATER \$604.00/AF	TOTAL	
				2018-19	2019-20										
				CARRYOVER ³	FPA ⁴										
VICTOR VALLEY COMMUNITY COLLEGE DISTRICT	240	132	0	0	0	132	357	0	225	132	5.67	135,900.00	3,424.68	139,324.68	
VICTOR VALLEY MEMORIAL PARK	0	0	0	0	0	0	37	0	37	0	0.00	22,348.00	0.00	22,348.00	
VICTORVILLE WATER DISTRICT, ID#1 (SEE NOTE 13)	23,020	12,661	0	1,029	378	14,068	19,234	0	5,166	14,068	603.99	3,120,264.00	364,809.95	3,485,073.95	
VICTORVILLE WATER DISTRICT, ID#2 (SEE NOTE 13)	2,932	1,613	0	0	0	1,613	4,913	0	3,300	1,613	69.25	1,993,200.00	41,827.00	2,035,027.00	
VOGLER, ALBERT H.	62	47	49	(49)	0	47	1	46	0	1	0.04	0.00	24.16	24.16	
WAGNER LIVING TRUST	1,224	918	980	(980)	0	918	0	918	0	0	0.00	0.00	0.00	0.00	
WAKULA FAMILY TRUST	11	9	8	(8)	0	9	1	8	0	1	0.04	0.00	24.16	24.16	
WARD, KEN AND BARBARA	65	49	36	(36)	0	49	14	35	0	14	0.60	0.00	362.40	362.40	
WEST, HOWARD AND SUZY	72	54	58	(58)	0	54	0	54	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	24.16	24.16	
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	30	33	0	0	63	29	30	0	29	1.25	0.00	755.00	755.00	
WIENER, MELVIN AND MARIAM S.	30	17	18	0	0	35	0	17	0	0	0.00	0.00	0.00	0.00	
WOOD, MICHAEL AND DENISE	0	0	0	0	0	0	1	0	1	0	0.00	604.00	0.00	604.00	
TOTAL	114,308	64,357	20,854	(13,689)	(100)	71,422	73,441	17,621	18,791	53,362	2,284.95	11,349,764.00	1,380,109.79	12,729,873.79	

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CENTRO SUBAREA

PRODUCER	2019-20 FREE PRODUCTION ALLOWANCE						ASSESSMENTS DUE BY JULY 1, 2021 (AMOUNTS IN DOLLARS)								
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2019-20 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	PRODUCTION SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT	MAKEUP	TOTAL	
				2018-19 CARRYOVER ³	2019-20 FPA ⁴							WATER	WATER		
												\$604.00/AF	N/A		
APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT	29	22	24	(15)	0	31	0	22	0	0	0.00	0.00	0.00	0.00	
AQUA CAPITAL MANAGEMENT LP	2,106	1,604	783	(783)	(603)	1,001	0	977	0	0	0.00	0.00	0.00	0.00	
ATCHISON, TOPEKA, SANTA FE RAILWAY COMPANY	120	90	0	0	0	90	0	90	0	0	0.00	0.00	0.00	0.00	
BAR-LEN MUTUAL WATER COMPANY	48	36	39	0	0	75	28	36	0	28	0.00	0.00	0.00	0.00	
BARSTOW COMMUNITY DEVELOPERS, LLC	0	0	0	0	0	0	1	0	1	0	0.00	604.00	0.00	604.00	
BEST, BYRON L.	21	16	17	0	0	33	0	16	0	0	0.00	0.00	0.00	0.00	
BROMMER HOUSE TRUST	361	271	289	(23)	0	537	0	271	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	35	37	0	0	72	1	35	0	1	0.00	0.00	0.00	0.00	
CHOI, YONG IL AND JOUNG AE	38	29	31	0	0	60	0	29	0	0	0.00	0.00	0.00	0.00	
CHONG, JOAN	10	8	8	34	8	58	28	16	0	28	0.00	0.00	0.00	0.00	
CHRISTISON, JOEL	75	57	60	0	0	117	0	57	0	0	0.00	0.00	0.00	0.00	
CONTRATTO, ERSULA	151	114	120	(120)	0	114	1	113	0	1	0.00	0.00	0.00	0.00	
DARR, JAMES S.	408	306	327	0	0	633	60	306	0	60	0.00	0.00	0.00	0.00	
DE VRIES, NEIL AND MARY FAMILY TRUST	3,800	2,850	3,040	0	0	5,890	1	2,850	0	1	0.00	0.00	0.00	0.00	
DORRANCE, DAVID W. AND TAMELA L.	19	15	0	0	(15)	0	0	0	0	0	0.00	0.00	0.00	0.00	
EYGNOR, ROBERT E.	50	38	40	0	0	78	0	38	0	0	0.00	0.00	0.00	0.00	
FEDERAL NATIONAL MORTGAGE ASSOCIATION - FANNIE MA	30	23	24	0	0	47	0	23	0	0	0.00	0.00	0.00	0.00	
FOURFREE USA, INC.	42	32	34	(34)	(8)	24	0	24	0	0	0.00	0.00	0.00	0.00	
FRATES, D. COLE	13	10	0	0	(10)	0	0	0	0	0	0.00	0.00	0.00	0.00	
FRIEND, JOSEPH AND DEBORAH	60	45	48	0	0	93	11	45	0	11	0.00	0.00	0.00	0.00	
GABRYCH, EUGENE	132	99	106	0	0	205	0	99	0	0	0.00	0.00	0.00	0.00	
GAINES FAMILY TRUST, JACK AND MARY	92	69	74	0	0	143	0	69	0	0	0.00	0.00	0.00	0.00	
GOLDEN STATE WATER COMPANY	14,407	10,806	11,526	(2,713)	0	19,619	5,624	10,806	0	5,624	0.00	0.00	0.00	0.00	
GRILL, NICHOLAS P. AND MILLIE D.	0	0	0	0	0	0	80	0	80	0	0.00	48,320.00	0.00	48,320.00	
GUTIERREZ, JOSE AND GLORIA	130	98	104	0	0	202	67	98	0	67	0.00	0.00	0.00	0.00	
HANIFY, MICHAEL D., DBA - WHITE BEAR RANCH	152	114	39	(39)	(60)	54	0	54	0	0	0.00	0.00	0.00	0.00	
HARMSSEN FAMILY TRUST	722	542	578	0	0	1,120	306	542	0	306	0.00	0.00	0.00	0.00	
HARPER LAKE COMPANY VIII	1,433	1,075	1,147	0	0	2,222	949	1,075	0	949	0.00	0.00	0.00	0.00	
HASKINS, JAMES J.	30	(1)	0	0	(20)	(21)	0	3	0	0	0.00	0.00	0.00	0.00	
HELENDALE COMMUNITY SERVICES DISTRICT	219	165	0	0	(113)	52	0	52	0	0	0.00	0.00	0.00	0.00	
HENSLEY, MARK P.	27	21	22	0	0	43	22	21	0	22	0.00	0.00	0.00	0.00	
HI DESERT MUTUAL WATER COMPANY	34	26	28	0	0	54	16	26	0	16	0.00	0.00	0.00	0.00	
HIGH DESERT ASSOCIATES, INC.	513	385	411	0	0	796	0	385	0	0	0.00	0.00	0.00	0.00	
HI-GRADE MATERIALS COMPANY	0	0	0	0	0	0	1	0	1	0	0.00	604.00	0.00	604.00	
HILL FAMILY TRUST AND HILL'S RANCH, INC.	2,335	1,752	1,868	(375)	0	3,245	38	1,752	0	38	0.00	0.00	0.00	0.00	
HOWARD, ET AL.	43	33	35	0	0	68	0	33	0	0	0.00	0.00	0.00	0.00	
HUERTA, HECTOR	656	492	525	800	0	1,817	692	492	0	692	0.00	0.00	0.00	0.00	

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PRODUCER	2019-20 FREE PRODUCTION ALLOWANCE						PRODUCTION									ASSESSMENTS DUE BY JULY 1, 2021 (AMOUNTS IN DOLLARS)		
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2019-20 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	PRODUCTION SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT WATER \$604.00/AF	MAKEUP WATER N/A	TOTAL				
				2018-19	2019-20													
				CARRYOVER ³	FPA ⁴													
JONES, JOETTE	22	17	18	0	0	35	0	17	0	0	0.00	0.00	0.00	0.00				
JORDAN FAMILY TRUST	460	345	364	(364)	0	345	4	341	0	4	0.00	0.00	0.00	0.00				
KASNER FAMILY LIMITED PARTNERSHIP	421	316	337	(116)	0	537	0	316	0	0	0.00	0.00	0.00	0.00				
KIM, JIN S. AND HYUN H.	190	143	152	(152)	0	143	0	143	0	0	0.00	0.00	0.00	0.00				
LEE, ET AL., SEPOONG AND WOO POONG	77	58	62	0	0	120	0	58	0	0	0.00	0.00	0.00	0.00				
LEYERLY, GENEVA (SEE NOTE 12)	65						3											
MCCOLLUM, CHARLES L.	115	87	92	0	0	179	0	87	0	0	0.00	0.00	0.00	0.00				
MEAD FAMILY TRUST	115	87	92	0	0	179	1	87	0	1	0.00	0.00	0.00	0.00				
MOJAVE SOLAR, LLC	5,239	3,930	4,192	0	0	8,122	1,471	3,930	0	1,471	0.00	0.00	0.00	0.00				
MOST FAMILY TRUST	56	42	45	0	0	87	0	42	0	0	0.00	0.00	0.00	0.00				
ODESSA WATER DISTRICT	299	225	240	0	0	465	0	225	0	0	0.00	0.00	0.00	0.00				
OHAI, REYNOLDS AND DOROTHY	137	103	110	0	0	213	1	103	0	1	0.00	0.00	0.00	0.00				
OSTERKAMP, GEROLD (SEE NOTE 12)	260						125											
PACIFIC GAS AND ELECTRIC COMPANY	4,474	3,356	3,580	0	0	6,936	2,911	3,356	0	2,911	0.00	0.00	0.00	0.00				
RIOS, MARIANO V.	8	6	7	0	0	13	1	6	0	1	0.00	0.00	0.00	0.00				
RIVERO, FIDEL V.	20	15	16	0	0	31	1	15	0	1	0.00	0.00	0.00	0.00				
RUISCH TRUST, DALE W. AND NELLIE H.	650	488	390	0	0	878	594	284	0	594	0.00	0.00	0.00	0.00				
RUISCH, ET AL. (SEE NOTE 12)	862						366											
SERVICE ROCK PRODUCTS CORPORATION	766	575	613	0	0	1,188	15	575	0	15	0.00	0.00	0.00	0.00				
SEXTON, RODNEY A. AND SEXTON, DEREK R.	232	174	186	0	0	360	0	174	0	0	0.00	0.00	0.00	0.00				
SOPPELAND REVOCABLE TRUST	478	359	383	(383)	0	359	2	357	0	2	0.00	0.00	0.00	0.00				
SYNAGRO-WWT, INC. (DBA NURSURY PRODUCTS, LLC)	0	0	0	0	0	0	4	0	4	0	0.00	2,416.00	0.00	2,416.00				
TALLAKSON FAMILY REVOCABLE TRUST	17	13	14	0	0	27	6	13	0	6	0.00	0.00	0.00	0.00				
VALENTI, VITO	17	13	14	0	0	27	0	13	0	0	0.00	0.00	0.00	0.00				
VAN DAM REVOCABLE TRUST, E AND S	722	542	578	(124)	0	996	138	542	0	138	0.00	0.00	0.00	0.00				
VAN LEEUWEN, JOHN	1,465	1,099	1,137	0	0	2,236	956	1,099	0	956	0.00	0.00	0.00	0.00				
VERNOLA TRUST, PAT AND MARY ANN	3,116	2,337	2,493	1,600	0	6,430	2,230	2,337	0	2,230	0.00	0.00	0.00	0.00				
VICTORVILLE WATER DISTRICT, ID#1	796	597	0	0	(597)	0	0	0	0	0	0.00	0.00	0.00	0.00				
WERNER, ANDREW J.	18	14	0	0	(14)	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	17	18	0	0	35	1	17	0	1	0.00	0.00	0.00	0.00				
TOTAL	49,477	36,181	36,517	(2,807)	(1,437)	68,454	16,756	34,592	86	16,176	0.00	51,944.00	0.00	51,944.00				

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	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2019-20 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT WATER \$604.00/AF	MAKEUP WATER N/A	TOTAL
				2018-19	2019-20									
				CARRYOVER ³	FPA ⁴									
35250 YERMO, LLC	24	8	9	0	0	17	5	8	0	5	0.00	0.00	0.00	0.00
AHN, CHUN SOO AND WHA JA	50	15	18	0	0	33	1	15	0	1	0.00	0.00	0.00	0.00
AKE, CHARLES J. AND MARJORIE M.	23	7	9	0	0	16	0	7	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 REVOCABLE TRUST, ALFREDO A. AND ANA. M.	0	0	227	(227)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
ATCHISON, TOPEKA, SANTA FE RAILWAY COMPANY	80	24	5	27	0	56	46	10	0	46	0.00	0.00	0.00	0.00
BAILEY 2007 LIVING REVOCABLE TRUST, SHERÉ R.	27	9	10	0	0	19	0	9	0	0	0.00	0.00	0.00	0.00
BARBER, JAMES B.	167	51	59	0	0	110	33	51	0	33	0.00	0.00	0.00	0.00
BARON, SUSAN AND PALMER, CURTIS	26	8	10	0	0	18	0	8	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	0	0	646	(646)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
BORJA, LEONIL T. AND TITAL L.	20	6	7	0	0	13	0	6	0	0	0.00	0.00	0.00	0.00
BREDELIS, RONALD C. AND JEAN	64	20	18	(17)	0	21	10	11	0	10	0.00	0.00	0.00	0.00
BUBIER, DIANE GAIL	54	17	19	0	0	36	1	17	0	1	0.00	0.00	0.00	0.00
BUDGET FINANCE COMPANY	32	10	12	0	0	22	0	10	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	0	0	7	(7)	0	0	0	0	0	0	0.00	0.00	0.00	0.00
CALICO LAKES HOMEOWNERS ASSOCIATION	1,296	389	453	(85)	0	757	255	389	0	255	0.00	0.00	0.00	0.00
CALIFORNIA DEPARTMENT OF TRANSPORTATION	71	22	25	0	0	47	11	22	0	11	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	15	17	0	0	32	1	15	0	1	0.00	0.00	0.00	0.00
CAMPBELL, M. A. AND DIANNE	22	7	8	0	0	15	0	7	0	0	0.00	0.00	0.00	0.00
CARLTON, SUSAN	155	47	55	0	0	102	1	47	0	1	0.00	0.00	0.00	0.00
CDFW - CAMP CADY	921	277	323	0	0	600	69	277	0	69	0.00	0.00	0.00	0.00
CHEYENNE LAKE, INC.	665	200	183	84	0	467	196	200	0	196	0.00	0.00	0.00	0.00
CLARK, ARTHUR	50	15	18	0	0	33	0	15	0	0	0.00	0.00	0.00	0.00
CLARK, GARY AND BETH A. (FORMERLY: NEWBERRY SPRINGS RECREATIONAL ASSOCIATION)	0	0	0	254	45	299	250	45	0	250	0.00	0.00	0.00	0.00
CONNER, WILLIAM H.	25	8	9	0	0	17	0	8	0	0	0.00	0.00	0.00	0.00
CORBRIDGE, LINDA S.	32	10	12	0	0	22	4	10	0	4	0.00	0.00	0.00	0.00
CROSS, FRANCIS AND BEVERLY	40	12	14	0	0	26	0	12	0	0	0.00	0.00	0.00	0.00
CRYSTAL LAKES PROPERTY OWNERS ASSOCIATION	844	254	246	389	0	889	422	254	0	422	0.00	0.00	0.00	0.00
DAGGETT COMMUNITY SERVICES DISTRICT	304	92	0	0	0	92	237	0	145	92	0.00	87,580.00	0.00	87,580.00
DAGGETT RANCH, LLC	76	23	16	0	0	39	32	7	0	32	0.00	0.00	0.00	0.00
DE JONG FAMILY TRUST	3,131	940	1,096	178	0	2,214	1,680	534	0	1,680	0.00	0.00	0.00	0.00
DENNISON, QUENTIN D. - CLEGG, FRIZELL AND JOKE	29	9	11	0	0	20	0	9	0	0	0.00	0.00	0.00	0.00
DONALDSON, JERRY AND BEVERLY	90	27	32	0	0	59	1	27	0	1	0.00	0.00	0.00	0.00
DOWELL, LEONARD	23	7	9	0	0	16	0	7	0	0	0.00	0.00	0.00	0.00

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				2018-19 CARRYOVER ³	2019-20 FPA ⁴										

EVERT FAMILY TRUST	173	52	61	(35)	0	78	30	48	0	30	0.00	0.00	0.00	0.00
FEJFAR, MONICA KAY	20	6	7	0	0	13	0	6	0	0	0.00	0.00	0.00	0.00
FERNANDEZ, ARTURO	76	23	27	0	0	50	1	23	0	1	0.00	0.00	0.00	0.00
FERRO, DENNIS AND NORMA	32	10	12	0	0	22	0	10	0	0	0.00	0.00	0.00	0.00
FIRST CPA LLC	57	18	13	0	0	31	15	16	0	15	0.00	0.00	0.00	0.00
FOOTHILL ESTATES MHP, LLC	54	17	0	0	0	17	18	0	1	17	0.00	604.00	0.00	604.00
FUNDAMENTAL CHRISTIAN ENDEAVORS, INC.	425	128	149	0	0	277	112	128	0	112	0.00	0.00	0.00	0.00
GABRYCH, EUGENE	1,637	492	219	(53)	0	658	388	270	0	388	0.00	0.00	0.00	0.00
GARCIA, DANIEL	23	7	9	0	0	16	2	7	0	2	0.00	0.00	0.00	0.00
GARG, OM P.	483	145	170	(75)	0	240	1	145	0	1	0.00	0.00	0.00	0.00
GENON CALIFORNIA SOUTH, LP (SEE NOTE 16)	0	0	1,983	(1,983)	600	600	461	139	0	461	0.00	0.00	0.00	0.00
GRAY, GEORGE F. AND BETTY E.	94	29	33	(33)	0	29	0	29	0	0	0.00	0.00	0.00	0.00
HACKBARTH, EDWARD E.	1,517	456	342	0	0	798	627	171	0	627	0.00	0.00	0.00	0.00
HANSON AGGREGATES WRP, INC.	31	10	11	0	0	21	0	10	0	0	0.00	0.00	0.00	0.00
HARESON, NICHOLAS AND MARY	8	3	3	0	0	6	0	3	0	0	0.00	0.00	0.00	0.00
HARTER, JOE AND SUE	5,234	1,571	1,292	(50)	0	2,813	2,315	498	0	2,315	0.00	0.00	0.00	0.00
HASS, PAULINE L.	35	11	12	(12)	0	11	1	10	0	1	0.00	0.00	0.00	0.00
HAWKINS, JAMES B.	854	257	299	(299)	(257)	0	0	0	0	0	0.00	0.00	0.00	0.00
HENDLEY, RICK AND BARBARA	48	15	17	0	0	32	10	15	0	10	0.00	0.00	0.00	0.00
HIETT, HARRY L.	29	9	11	(11)	0	9	1	8	0	1	0.00	0.00	0.00	0.00
HILARIDES 1998 REVOCABLE FAMILY TRUST	303	91	105	(105)	0	91	2	89	0	2	0.00	0.00	0.00	0.00
HO, TING-SENG AND AH-GIT	300	90	105	(82)	0	113	0	90	0	0	0.00	0.00	0.00	0.00
HOLLISTER, ROBERT H. AND RUTH M.	44	14	16	0	0	30	1	14	0	1	0.00	0.00	0.00	0.00
HONG, PAUL B. AND MAY	85	26	30	0	0	56	0	26	0	0	0.00	0.00	0.00	0.00
HOOD FAMILY TRUST	41	13	15	0	0	28	11	13	0	11	0.00	0.00	0.00	0.00
HORTON, JOHN	242	73	85	(85)	0	73	0	73	0	0	0.00	0.00	0.00	0.00
HORTON'S CHILDREN'S TRUST	199	60	0	23	0	83	96	0	59	83	0.00	35,636.00	0.00	35,636.00
HUBBARD, ESTER AND MIZUNO, ARLEAN	28	9	10	0	0	19	1	9	0	1	0.00	0.00	0.00	0.00
HUNT, RALPH M. AND LILLIAN F.	51	16	18	0	0	34	1	16	0	1	0.00	0.00	0.00	0.00
HYATT, JAMES AND BRENDA	210	63	57	(57)	0	63	6	57	0	6	0.00	0.00	0.00	0.00
IM, NICHOLAS NAK-KYUN	397	120	53	65	0	238	49	120	0	49	0.00	0.00	0.00	0.00
IRVIN, BERTRAND W.	29	9	11	5	0	25	11	9	0	11	0.00	0.00	0.00	0.00
ITALMOOD INC., ET. AL.	190	57	67	0	0	124	41	57	0	41	0.00	0.00	0.00	0.00
JACKS, JAMES F.	10	3	4	0	0	7	1	3	0	1	0.00	0.00	0.00	0.00
JACKSON, JAMES N. JR REVOCABLE LIVING TRUST	54	17	19	(19)	0	17	0	17	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	0	0	65	(65)	0	0	0	0	0	0	0.00	0.00	0.00	0.00

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				2018-19 CARRYOVER ³	2019-20 FPA ⁴									

KARIMI, HOOSHANG	70	21	25	0	0	46	1	21	0	1	0.00	0.00	0.00	0.00
KASNER FAMILY LIMITED PARTNERSHIP	843	253	0	0	257	510	727	0	217	510	0.00	131,068.00	0.00	131,068.00
KASNER, ROBERT	5,713	1,714	1,285	(767)	0	2,232	2,400	0	168	2,232	0.00	101,472.00	0.00	101,472.00
KATCHER, AUGUST M. AND MARCELINE	23	7	9	0	0	16	1	7	0	1	0.00	0.00	0.00	0.00
KEMP, ROBERT AND ROSE	32	10	12	0	0	22	0	10	0	0	0.00	0.00	0.00	0.00
KIM, JOON HO AND MAL BOON REVOCABLE TRUST	764	230	268	(24)	0	474	243	230	0	243	0.00	0.00	0.00	0.00
KIM, SEON JA	50	15	18	0	0	33	1	15	0	1	0.00	0.00	0.00	0.00
KOEGLER, RONALD R. AND CAROLYN V.	26	8	9	0	0	17	10	7	0	10	0.00	0.00	0.00	0.00
KOERING, RICHARD AND KOERING, DONNA	20	6	7	0	0	13	1	6	0	1	0.00	0.00	0.00	0.00
KOSHAREK, JOHN AND JOANN	54	17	19	0	0	36	16	17	0	16	0.00	0.00	0.00	0.00
LAKE JODIE PROPERTY OWNERS ASSOCIATION	454	137	109	200	0	446	290	44	0	290	0.00	0.00	0.00	0.00
LAKE WAIKIKI	98	30	35	0	0	65	0	30	0	0	0.00	0.00	0.00	0.00
LAKE WAINANI OWNERS ASSOCIATION	1,725	518	289	227	0	1,034	412	469	0	412	0.00	0.00	0.00	0.00
LAM, PHILLIP	105	32	37	0	0	69	6	32	0	6	0.00	0.00	0.00	0.00
LANGLEY, MICHAEL R. AND SHARON	20	6	0	0	0	6	4	2	0	4	0.00	0.00	0.00	0.00
LAVANH, ET AL.	24	8	9	0	0	17	4	8	0	4	0.00	0.00	0.00	0.00
LAWRENCE, WILLIAM W.	45	14	16	0	0	30	1	14	0	1	0.00	0.00	0.00	0.00
LEE, VIN JANG T.	630	189	221	0	0	410	0	189	0	0	0.00	0.00	0.00	0.00
LEM, HOY	32	10	12	0	0	22	0	10	0	0	0.00	0.00	0.00	0.00
LIANG, YUAN - I AND TZU - MEI CHEN	200	60	70	(70)	0	60	0	60	0	0	0.00	0.00	0.00	0.00
LIBERTY UTILITIES (APPLE VALLEY RANCHOS WATER) CORP.	453	136	159	0	0	295	104	136	0	104	0.00	0.00	0.00	0.00
LIN, KUANG JUNG AND CHUNG, DER-BING	451	136	158	(158)	0	136	0	136	0	0	0.00	0.00	0.00	0.00
LO, ET AL.	59	18	0	0	0	18	37	0	19	18	0.00	11,476.00	0.00	11,476.00
M BIRD CONSTRUCTION	41	13	15	0	0	28	1	13	0	1	0.00	0.00	0.00	0.00
MAHJOUBI, AFSAR S.	63	19	23	0	0	42	0	19	0	0	0.00	0.00	0.00	0.00
MALONEY, JANICE	36	11	13	0	0	24	2	11	0	2	0.00	0.00	0.00	0.00
MANNING, SHARON S.	63	19	23	0	0	42	31	11	0	31	0.00	0.00	0.00	0.00
MARCROFT, JAMES A. AND JOAN	38	12	2	0	0	14	20	0	6	14	0.00	3,624.00	0.00	3,624.00
MARSHALL, CHARLES	20	6	7	0	0	13	0	6	0	0	0.00	0.00	0.00	0.00
MARTIN, MICHAEL D. AND ARLENE D.	63	19	0	23	0	42	37	5	0	37	0.00	0.00	0.00	0.00
MILBRAT, IRVING H.	73	22	25	0	0	47	33	14	0	33	0.00	0.00	0.00	0.00
MILLER LIVING TRUST	18	6	7	0	0	13	0	6	0	0	0.00	0.00	0.00	0.00
MIZRAHIE, ET AL.	145	44	51	(51)	0	44	0	44	0	0	0.00	0.00	0.00	0.00
MOJAVE WATER AGENCY (FORMERLY: GENON CALIFORNIA SOUTH, LP)	7,194	2,159	0	1,983	(600)	3,542	0	1,559	0	0	0.00	0.00	0.00	0.00
MORRIS TRUST, JULIA V.	304	92	107	(107)	0	92	1	91	0	1	0.00	0.00	0.00	0.00
MULLIGAN, ROBERT AND INEZ	35	11	13	0	0	24	0	11	0	0	0.00	0.00	0.00	0.00
MURPHY, JEAN	24	8	4	0	0	12	5	7	0	5	0.00	0.00	0.00	0.00

APPENDIX B
PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS DUE FOR 2019-20
(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)
BAJA SUBAREA

PRODUCER	2019-20 FREE PRODUCTION ALLOWANCE						ASSESSMENTS DUE BY JULY 1, 2021 (AMOUNTS IN DOLLARS)								
	BASE ANNUAL PRODUCTION	BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2019-20 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	PRODUCTION SUBJECT TO MAKEUP ⁹ OBLIGATION	MAKEUP WATER OBLIGATION	REPLACEMENT	MAKEUP	TOTAL	
				2018-19 CARRYOVER ³	2019-20 FPA ⁴							WATER	WATER		
												\$604.00/AF	N/A		
MUSIC, ZAJO (FORMERLY: KOROGHLIAN, TED AND NAJWA)	15	5	0	1	0	6	0	5	0	0	0.00	0.00	0.00	0.00	
NEW SPRINGS LIMITED PARTNERSHIP	2,329	699	816	(816)	0	699	0	699	0	0	0.00	0.00	0.00	0.00	
NEWBERRY COMMUNITY SERVICES DISTRICT	23	7	0	0	0	7	7	0	0	7	0.00	0.00	0.00	0.00	
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	1	1	380	(380)	0	1	0	1	0	0	0.00	0.00	0.00	0.00	
NSSLC, INC.	109	33	2	126	0	161	65	33	0	65	0.00	0.00	0.00	0.00	
O. F. D. L., INC.	443	133	105	136	0	374	165	133	0	165	0.00	0.00	0.00	0.00	
P AND H ENGINEERING AND DEVELOPMENT CORPORATION	667	201	234	0	0	435	0	201	0	0	0.00	0.00	0.00	0.00	
PATINO, JOSÉ	22	7	8	0	0	15	5	7	0	5	0.00	0.00	0.00	0.00	
PEARCE, CRAIG L.	150	45	53	(50)	(45)	3	13	0	10	3	0.00	6,040.00	0.00	6,040.00	
PERKO, BERT K.	132	40	47	0	0	87	9	40	0	9	0.00	0.00	0.00	0.00	
POLAND, JOHN R. AND KATHLEEN A.	92	28	33	0	0	61	1	28	0	1	0.00	0.00	0.00	0.00	
PORTER, TIMOTHY M.	30	9	11	0	0	20	0	9	0	0	0.00	0.00	0.00	0.00	
PRECISION INVESTMENTS SERVICES, LLC	845	254	296	(35)	0	515	293	222	0	293	0.00	0.00	0.00	0.00	
PRICE, DONALD AND RUTH	42	13	15	0	0	28	1	13	0	1	0.00	0.00	0.00	0.00	
PRUETT, ANDREA	36	11	13	0	0	24	0	11	0	0	0.00	0.00	0.00	0.00	
QUAKENBUSH, SAMUEL R.	19	6	7	0	0	13	5	6	0	5	0.00	0.00	0.00	0.00	
QUIROS, FRANCISCO J. AND HERRMANN, RONALD	38	12	0	35	0	47	36	11	0	36	0.00	0.00	0.00	0.00	
RICE, HENRY C. AND DIANA	24	8	9	0	0	17	0	8	0	0	0.00	0.00	0.00	0.00	
RIZVI, S.R ALI	27	9	10	0	0	19	0	9	0	0	0.00	0.00	0.00	0.00	
ROSSI, JAMES L. AND NAOMI I.	614	185	0	0	0	185	213	0	28	185	0.00	16,912.00	0.00	16,912.00	
S AND B BROTHERS, LLC	221	67	78	0	0	145	87	32	0	87	0.00	0.00	0.00	0.00	
SAGABEAN-BARKER, KANOELOKELANI L.	34	11	11	0	0	22	14	7	0	14	0.00	0.00	0.00	0.00	
SAMPLES, BERNARD D. AND JANICE E.	43	13	16	0	0	29	2	13	0	2	0.00	0.00	0.00	0.00	
SAMRA, JAGTAR S.	30	9	11	0	0	20	2	9	0	2	0.00	0.00	0.00	0.00	
SAN BERNARDINO CO BARSTOW - DAGGETT AIRPORT	168	51	59	0	0	110	14	51	0	14	0.00	0.00	0.00	0.00	
SERVICE ROCK PRODUCTS CORPORATION	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	
SHENG, JEN	33	10	12	0	0	22	1	10	0	1	0.00	0.00	0.00	0.00	
SHEPPARD, THOMAS AND GLORIA	217	66	76	0	0	142	11	66	0	11	0.00	0.00	0.00	0.00	
SHORT, JEROME E.	30	9	1	0	0	10	17	0	7	10	0.00	4,228.00	0.00	4,228.00	
SINGH, ET AL.	31	10	11	0	0	21	10	10	0	10	0.00	0.00	0.00	0.00	
SMITH, DENISE DBA AMEREQUINE BEAUTY, INC	0	0	0	0	0	0	90	0	90	0	0.00	54,360.00	0.00	54,360.00	
SMITH, PORTER AND ANITA	25	8	9	0	0	17	0	8	0	0	0.00	0.00	0.00	0.00	
SOUTHERN CALIFORNIA EDISON COMPANY	600	180	210	0	0	390	0	180	0	0	0.00	0.00	0.00	0.00	
SOUTHERN CALIFORNIA GAS COMPANY	98	30	35	0	0	65	3	30	0	3	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	39	8	240	0	287	174	39	0	174	0.00	0.00	0.00	0.00	
STARKE, GEORGE A. AND JAYNE E.	23	7	9	0	0	16	0	7	0	0	0.00	0.00	0.00	0.00	

APPENDIX B

MARCH 24, 2021

PRODUCER REPLACEMENT WATER
AND
MAKEUP WATER OBLIGATIONS
AND
ASSESSMENTS DUE FOR 2019-20
(UNLESS OTHERWISE NOTED ALL AMOUNTS SHOWN ARE IN ACRE-FEET)

BAJA SUBAREA

PRODUCER	2019-20 FREE PRODUCTION ALLOWANCE						ASSESSMENTS DUE BY JULY 1, 2021 (AMOUNTS IN DOLLARS)								
	BASE ANNUAL PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2019-20 VERIFIED PRODUCTION ⁶	UNUSED FPA ⁷	REPLACEMENT WATER OBLIGATION ⁸	PRODUCTION SUBJECT TO MAKEUP ⁹ OBLIGATION	MAKEUP WATER OBLIGATION	REPLACEMENT WATER \$604.00/AF	MAKEUP WATER N/A	TOTAL		
			2018-19 CARRYOVER ³	2019-20 FPA ⁴											
SUNDOWN LAKES, INC.	523	157	147	132	0	436	168	157	0	168	0.00	0.00	0.00		
SUNRAY LAND COMPANY, LLC	63	19	23	0	0	42	9	19	0	9	0.00	0.00	0.00		
SZYNKOWSKI, RUTH J.	29	9	11	0	0	20	2	9	0	2	0.00	0.00	0.00		
TAPIE, RAYMOND L.	18	6	7	0	0	13	1	6	0	1	0.00	0.00	0.00		
TEISAN, JERRY	96	29	34	0	0	63	0	29	0	0	0.00	0.00	0.00		
THAYER, SHARON	97	30	33	0	0	63	31	24	0	31	0.00	0.00	0.00		
THOMAS, STEPHEN AND LORI	49	15	18	0	0	33	4	15	0	4	0.00	0.00	0.00		
TRIPLE H PARTNERSHIP	218	66	77	0	0	143	48	66	0	48	0.00	0.00	0.00		
TURNER, TERRY	30	9	11	0	0	20	1	9	0	1	0.00	0.00	0.00		
UNION PACIFIC RAILROAD COMPANY	249	75	88	0	0	163	66	75	0	66	0.00	0.00	0.00		
VACA, ANDY AND TERESITA S.	20	6	7	0	0	13	6	6	0	6	0.00	0.00	0.00		
VAN BASTELAAR, ALPHONSE	78	24	0	0	0	24	74	0	50	24	0.00	30,200.00	0.00	30,200.00	
VAN DAM FAMILY TRUST, GLEN AND JENNIFER	7,274	2,183	1,016	595	0	3,794	3,235	559	0	3,235	0.00	0.00	0.00	0.00	
VAN LEEUWEN, JOHN	2,018	606	699	100	0	1,405	504	606	0	504	0.00	0.00	0.00	0.00	
VANDER DUSSEN TRUST, AGNES AND EDWARD	1,792	538	330	0	0	868	408	460	0	408	0.00	0.00	0.00	0.00	
WANG, STEVEN	10	3	4	0	0	7	0	3	0	0	0.00	0.00	0.00	0.00	
WARD, RAYMOND	105	32	4	0	0	36	37	0	1	36	0.00	604.00	0.00	604.00	
WEEMS, LIZZIE	53	16	19	0	0	35	0	16	0	0	0.00	0.00	0.00	0.00	
WEERAISINGHE, MAITHRI N.	15	5	6	0	0	11	1	5	0	1	0.00	0.00	0.00	0.00	
WESTERN HORIZON ASSOCIATES, INC.	1,363	409	0	121	0	530	735	0	205	530	0.00	123,820.00	0.00	123,820.00	
WET SET, INC.	547	165	142	56	0	363	130	165	0	130	0.00	0.00	0.00	0.00	
WITTE, E. DANIEL AND MARCIA	27	9	10	0	0	19	1	9	0	1	0.00	0.00	0.00	0.00	
WLSR, INC.	471	142	115	106	0	363	133	142	0	133	0.00	0.00	0.00	0.00	
WORSEY, JOSEPH A. AND REVAE	29	9	11	0	0	20	0	9	0	0	0.00	0.00	0.00	0.00	
TOTAL	63,929	19,246	17,370	(1,298)	0	35,318	18,677	11,696	1,006	17,717	0.00	607,624.00	0.00	607,624.00	

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

MARCH 24, 2021

**MAKEUP WATER OBLIGATIONS
AND**

ASSESSMENTS DUE FOR 2019-20

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

SUBAREA	BASE ANNUAL PRODUCTION	2019-20 FREE PRODUCTION ALLOWANCE					PRODUCTION									ASSESSMENTS DUE BY JULY 1, 2021 (AMOUNTS IN DOLLARS)		
		BASE FREE PRODUCTION ALLOWANCE ¹	CARRYOVER FROM PREVIOUS YEAR ²	TRANSFERS + OR (-)		TOTAL ⁵	2019-20 VERIFIED PRODUCTION ⁶	UNUSED ⁷ FPA	REPLACEMENT WATER OBLIGATION ⁸	SUBJECT TO MAKEUP OBLIGATION ⁹	MAKEUP WATER OBLIGATION	REPLACEMENT WATER	MAKEUP WATER	TOTAL				
				2018-19 CARRYOVER ³	2019-20 FPA ⁴													
ESTE	19,251	14,458	15,084	(376)	0	29,166	4,227	14,227	442	3,785	0.00	266,968.00	0.00	266,968.00				
OESTE	6,857	5,144	4,897	0	0	10,041	3,439	4,750	0	3,439	0.00	0.00	0.00	0.00				
ALTO	114,308	64,357	20,854	(13,689)	(100)	71,422	73,441	17,621	18,791	53,362	2,284.95	11,349,764.00	1,380,109.79	12,729,873.79				
CENTRO	49,477	36,181	36,517	(2,807)	(1,437)	68,454	16,756	34,592	86	16,176	0.00	51,944.00	0.00	51,944.00				
BAJA	63,929	19,246	17,370	(1,298)	0	35,318	18,677	11,696	1,006	17,717	0.00	607,624.00	0.00	607,624.00				
GRAND TOTAL	253,822	139,386	94,722	(18,170)	(1,537)	214,401	116,540	82,886	20,325	94,479	2,284.95	12,276,300.00	1,380,109.79	13,656,409.79				

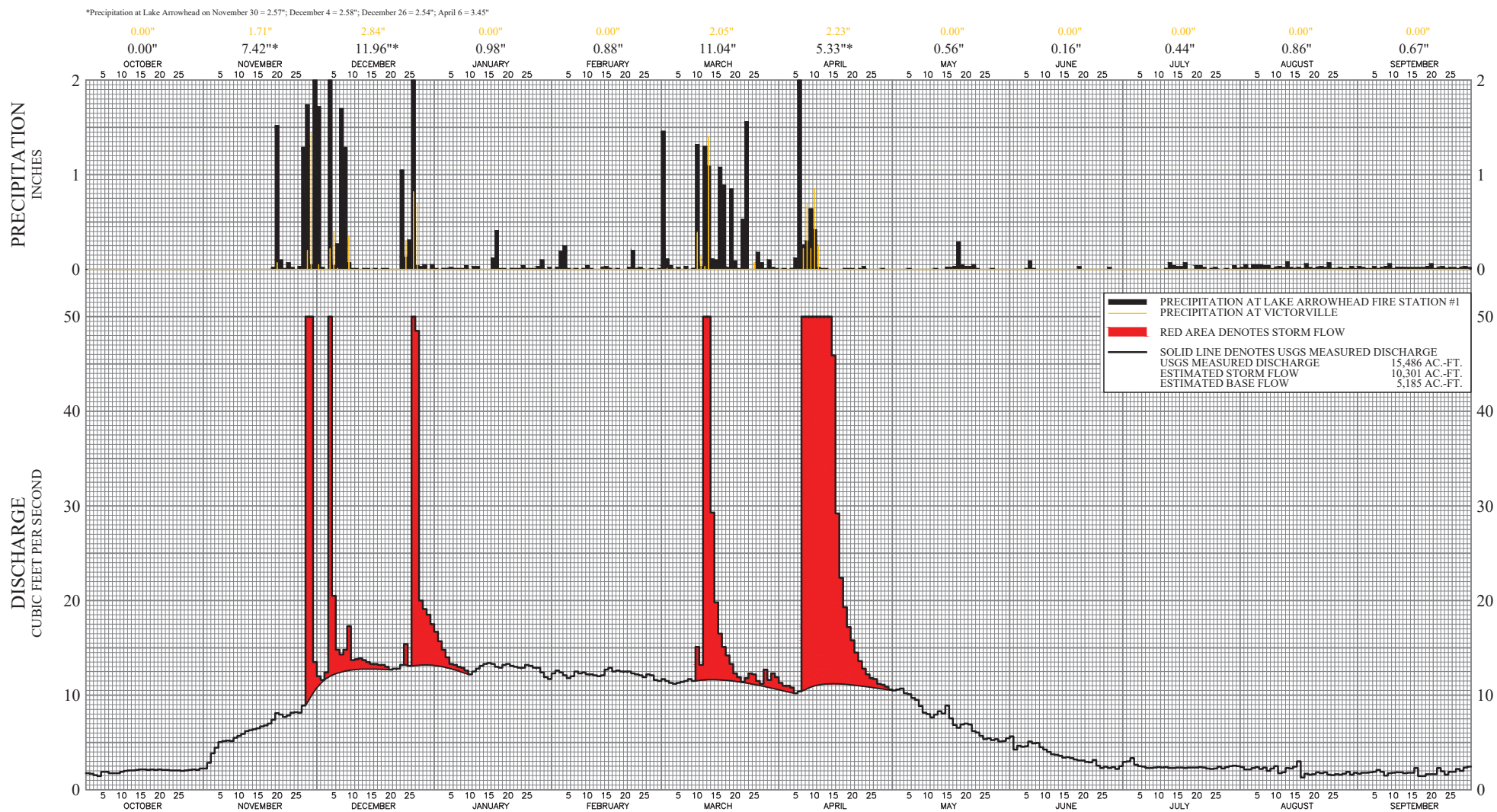
NOTES FOR APPENDIX B

- 1 EQUAL TO 75% OF BASE ANNUAL PRODUCTION IN THE ESTE, OESTE AND CENTRO SUBAREAS AND FOR THE AGRICULTURAL PRODUCERS IN THE ALTO SUBAREA.
EQUAL TO 55% OF BASE ANNUAL PRODUCTION FOR THE MUNICIPAL AND INDUSTRIAL PRODUCERS IN THE ALTO SUBAREA.
EQUAL TO 30% OF BASE ANNUAL PRODUCTION IN THE BAJA SUBAREA.
- 2 UNUSED FPA FROM 2018-19 NET OF ANY TRANSFERS DURING 2018-19.
- 3 TRANSFERS OF 2018-19 UNUSED FPA FOR USE DURING 2019-20. AMOUNTS SOLD OR OTHERWISE RELINQUISHED ARE SHOWN IN PARENTHESIS. SEE APPENDIX E.
- 4 TRANSFERS OF 2019-20 BASE FREE PRODUCTION ALLOWANCE. AMOUNTS SOLD OR OTHERWISE RELINQUISHED ARE SHOWN IN PARENTHESIS. SEE APPENDIX E.
- 5 TOTAL FREE PRODUCTION ALLOWANCE FOR 2019-20 IS EQUAL TO THE SUM OF BASE FREE PRODUCTION ALLOWANCE, CARRYOVER AND TRANSFERS.
- 6 2019-20 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 2019-20 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 2019-20 AND CONSISTS OF 1,268 ACRE-FEET IN THE ALTO SUBAREA
AND 494 ACRE-FEET IN THE CENTRO SUBAREA.
- 13 THE VERIFIED PRODUCTION SHOWN INCLUDES MWA DELIVERIES THROUGH THE REGIONAL, RECHARGE AND RECOVERY PROJECT. DELIVERIES FOR 2019-20 WATER
YEAR INCLUDE 0 ACRE-FEET FOR LIBERTY UTILITIES (APPLE VALLEY RANCHOS WATER) CORP., 2,287 ACRE-FEET FOR VICTORVILLE WATER DISTRICT, ID#1 AND 1,933
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 UNUSED FPA SHOWN FOR GENON CALIFORNIA SOUTH, LP IS NOT TRANSFERRABLE PURSUANT TO THE PURCHASE AND SALE AGREEMENT WITH MOJAVE WATER
AGENCY DATED SEPTEMBER 12, 2019.

APPENDIX C

SEPARATION OF FLOW COMPONENTS AT LOWER NARROWS

AND AFTON FOR 2019-20



DISCHARGE OF MOJAVE RIVER AT LOWER NARROWS,
PRECIPITATION AT LAKE ARROWHEAD FIRE STATION #1,
AND PRECIPITATION AT VICTORVILLE
WATER YEAR 2019-20

MOJAVE RIVER AT LOWER NARROWS NEAR VICTORVILLE, CA

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

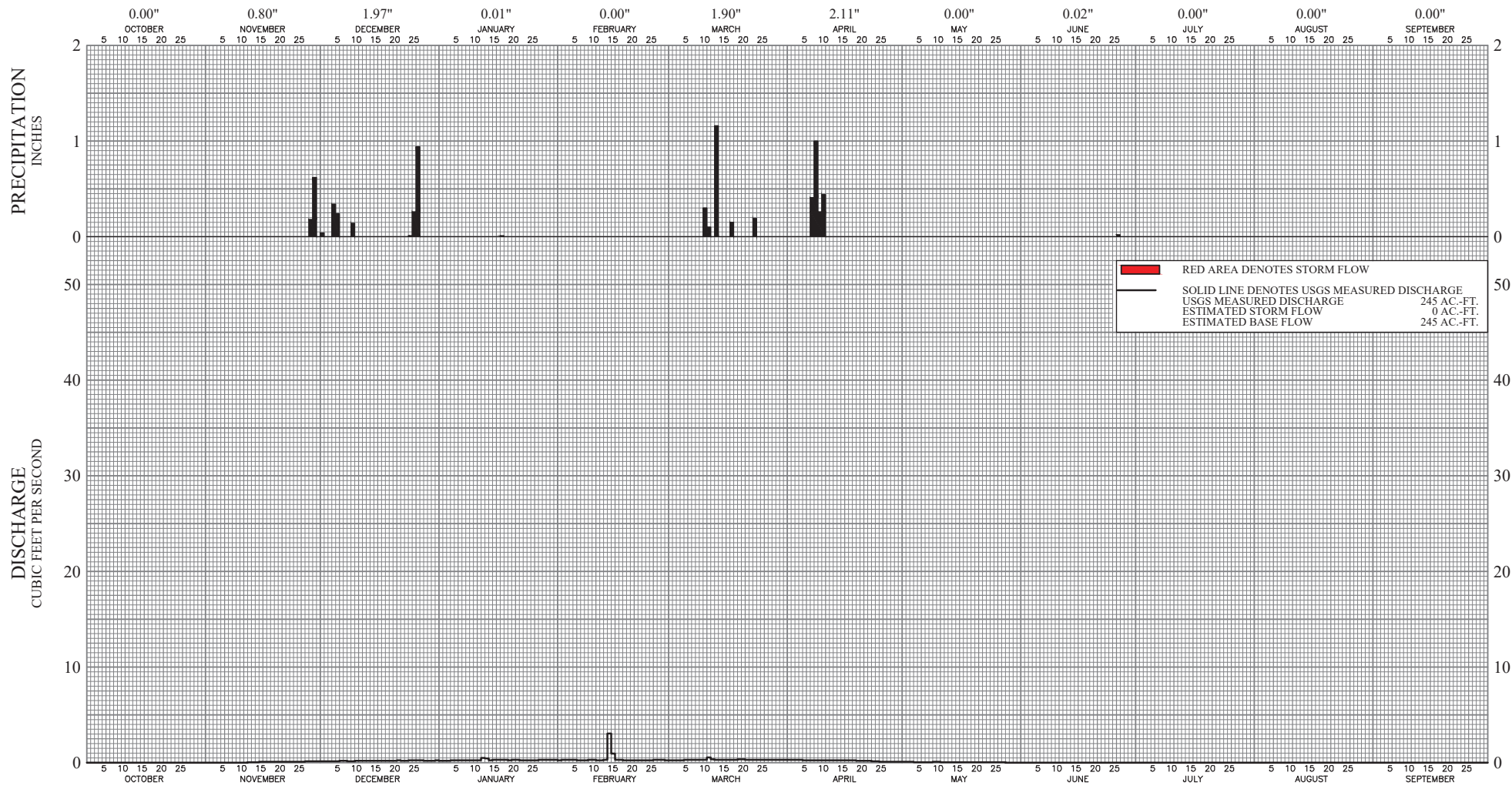
WATER YEAR 2019-20

AVERAGE DAILY DISCHARGE, CUBIC FT PER SECOND

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.73	2.25	12.0	16.7	12.3	11.7	11.3	10.5	5.65	2.96	2.39	1.71
2	1.69	2.86	11.6	15.7	12.6	11.5	11.0	10.6	4.23	2.97	2.14	1.78
3	1.53	3.83	12.4	14.8	12.4	11.3	11.0	10.7	4.65	3.34	2.16	1.80
4	1.42	4.46	57.0	14.0	12.1	11.2	10.8	10.2	4.55	2.64	2.28	1.85
5	1.88	5.03	20.5	13.3	11.8	11.3	10.2	10.1	4.58	2.48	2.41	1.87
6	1.87	5.13	14.8	13.2	12.0	11.4	10.4	9.69	5.10	2.43	2.19	2.09
7	1.76	5.17	14.3	13.0	12.5	11.5	60.7	9.50	4.90	2.31	2.34	1.89
8	1.75	5.14	14.8	12.9	12.3	11.7	559	8.83	4.95	2.29	1.99	1.51
9	1.74	5.49	17.3	12.6	12.4	11.5	726	8.16	4.47	2.33	2.24	1.73
10	1.89	5.67	13.7	12.2	12.2	15.1	736	7.97	4.24	2.40	2.48	1.80
11	1.97	5.91	13.8	12.5	12.2	13.2	656	7.66	4.00	2.34	1.73	1.82
12	2.05	6.18	13.9	12.8	12.1	268	571	7.94	3.72	2.40	1.85	1.85
13	2.04	6.28	13.7	13.1	12.0	137	589	8.28	3.68	2.29	2.27	1.75
14	2.07	6.37	13.5	13.3	12.1	29.3	127	8.06	3.60	2.30	2.24	1.81
15	2.13	6.50	13.3	13.4	12.7	19.8	45.9	8.90	3.39	2.32	2.44	1.78
16	2.12	6.68	13.3	13.3	12.9	16.5	29.2	7.52	3.42	2.35	3.01	2.27
17	2.10	6.79	13.2	13.0	12.5	15.1	22.4	6.84	3.36	2.31	1.30	1.45
18	2.14	6.97	13.2	12.9	12.6	14.2	19.3	6.54	3.19	2.36	1.70	1.42
19	2.11	7.37	13.0	13.2	12.5	13.3	17.2	6.88	3.10	2.34	1.59	1.62
20	2.12	8.09	12.7	13.3	12.5	12.3	15.8	6.99	3.08	2.35	1.65	1.63
21	2.11	7.92	12.8	13.1	12.5	11.9	14.5	6.87	2.95	2.41	1.86	1.66
22	2.08	7.71	12.8	13.0	12.3	11.4	13.6	6.19	2.91	2.34	1.76	2.29
23	2.06	7.86	13.2	12.9	12.2	11.8	12.8	6.02	3.12	2.26	1.82	1.95
24	2.03	8.16	15.4	12.9	12.1	12.3	12.2	5.69	2.53	2.21	1.59	1.61
25	2.05	8.21	13.1	13.2	11.9	12.2	11.8	5.33	2.28	2.24	1.52	1.90
26	1.98	8.16	330	13.1	12.2	11.5	11.7	5.45	2.44	2.44	1.62	1.88
27	2.04	8.88	48.5	12.9	12.1	11.2	11.2	5.22	2.31	2.22	1.61	2.17
28	2.10	217	20.0	12.9	11.6	12.7	11.1	5.36	2.37	2.38	1.70	2.01
29	2.15	59.50	19.1	12.4	11.5	11.6	10.9	5.09	2.21	2.49	1.87	2.36
30	2.08	13.50	18.5	11.9		12.3	10.6	5.15	2.50	2.52	1.61	2.44
31	2.22		17.5	11.7		11.9		5.43		2.51	1.78	
TOTAL (CFS - DAYS)	61.0	459	843	409	355	788	4,360	234	107	75.5	61.1	55.7
ACRE-FEET	121	911	1,671	812	704	1,562	8,647	463	213	150	121	110

WATER YEAR TOTAL = 15,485 AC-FT

[illegible]



DISCHARGE OF MOJAVE RIVER AT AFTON
AND PRECIPITATION AT BARSTOW
WATER YEAR 2019-20

MOJAVE RIVER AT AFTON, CA

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

WATER YEAR 2019-20

AVERAGE DAILY DISCHARGE, CUBIC FT PER SECOND

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.03	0.08	0.11	0.37	0.58	0.19	0.00	0.00	0.00	0.00
2	0.00	0.00	0.03	0.08	0.13	0.38	0.51	0.19	0.00	0.00	0.00	0.00
3	0.00	0.00	0.03	0.08	0.12	0.38	0.51	0.17	0.00	0.00	0.00	0.00
4	0.00	0.00	0.04	0.08	0.10	0.36	0.49	0.16	0.00	0.00	0.00	0.00
5	0.00	0.00	0.03	0.09	0.10	0.37	0.46	0.17	0.00	0.00	0.00	0.00
6	0.00	0.00	0.03	0.09	0.12	0.39	0.46	0.15	0.00	0.00	0.00	0.00
7	0.00	0.00	0.04	0.10	0.14	0.40	0.55	0.14	0.00	0.00	0.00	0.00
8	0.00	0.00	0.04	0.12	0.15	0.41	73.60	0.11	0.00	0.00	0.00	0.00
9	0.00	0.00	0.04	0.14	0.16	0.41	6.57	0.11	0.00	0.00	0.00	0.00
10	0.00	0.00	0.05	0.14	0.16	0.42	0.88	0.11	0.00	0.00	0.00	0.00
11	0.00	0.00	0.06	0.15	0.16	0.38	0.59	0.10	0.00	0.00	0.00	0.00
12	0.00	0.00	0.07	0.16	0.15	1.02	0.22	0.10	0.00	0.00	0.00	0.00
13	0.00	0.00	0.07	0.17	0.17	3.37	0.21	0.09	0.00	0.00	0.00	0.00
14	0.00	0.00	0.09	0.17	0.19	0.71	0.23	0.10	0.00	0.00	0.00	0.00
15	0.00	0.00	0.10	0.17	0.20	0.49	0.23	0.11	0.00	0.00	0.00	0.00
16	0.00	0.00	0.10	0.16	0.22	0.43	0.23	0.09	0.00	0.00	0.00	0.00
17	0.00	0.00	0.11	0.15	0.24	0.39	0.23	0.08	0.00	0.00	0.00	0.00
18	0.00	0.00	0.13	0.13	0.22	0.37	0.23	0.10	0.00	0.00	0.00	0.00
19	0.00	0.00	0.15	0.13	0.24	0.38	0.23	0.10	0.00	0.00	0.00	0.00
20	0.00	0.00	0.15	0.14	0.25	0.39	0.23	0.10	0.00	0.00	0.00	0.00
21	0.00	0.00	0.17	0.14	0.26	0.43	0.23	0.11	0.00	0.00	0.00	0.00
22	0.00	0.00	0.17	0.13	0.27	0.46	0.23	0.11	0.00	0.00	0.00	0.00
23	0.00	0.00	0.19	0.13	0.28	0.49	0.23	0.08	0.00	0.00	0.00	0.00
24	0.00	0.00	0.23	0.14	0.28	0.48	0.23	0.07	0.00	0.00	0.00	0.00
25	0.00	0.01	0.26	0.13	0.29	0.51	0.23	0.08	0.00	0.00	0.00	0.00
26	0.00	0.02	0.34	0.12	0.29	0.53	0.23	0.08	0.00	0.00	0.00	0.00
27	0.00	0.02	0.52	0.11	0.29	0.57	0.22	0.06	0.00	0.00	0.00	0.00
28	0.00	0.03	0.11	0.11	0.33	0.58	0.22	0.01	0.00	0.00	0.00	0.00
29	0.00	0.03	0.08	0.12	0.34	0.60	0.21	0.00	0.00	0.00	0.00	0.00
30	0.00	0.03	0.08	0.11	0.00	0.60	0.20	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.08	0.11	0.00	0.57	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL (CFS)	0.00	0.14	3.62	3.88	5.96	17.6	89.5	3.07	0.00	0.00	0.00	0.00
ACRE-FEET	0.00	0.28	7.2	7.7	11.8	35.0	177	6.09	0.00	0.00	0.00	0.00

WATER YEAR TOTAL = 245 AC-FT

NOAA STATION NO. W04-0521-07

WATER YEAR 2019-20

PRECIPITATION, INCHES

TOTAL (IN)

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	2018-19 CARRYOVER ²	2019-20 FPA ³	2018-19 CARRYOVER IN LIEU OF REPLACEMENT ⁴	2018-19 CARRYOVER IN LIEU OF MAKEUP ⁵	2019-20 FPA IN LIEU OF MAKEUP ⁶	
AHN, CHUN SOO AND DAVID				63			AHN REVOCABLE LIVING TRUST
AHN, CHUN SOO AND DAVID				9			GARDENA MISSION CHURCH, INC.
AHN, CHUN SOO AND DAVID				66			OASIS WORLD MISSION
CLUB VIEW PARTNERS				9			SAN BERNARDINO COUNTY SERVICE AREA 29
GAETA, MIGUEL AND MARIA				15			WEISER, ET AL.
MITSUBISHI CEMENT CORPORATION				34			JUNIPER RIVIERA COUNTY WATER DISTRICT
MITSUBISHI CEMENT CORPORATION				5			OMYA CALIFORNIA, INC.
MITSUBISHI CEMENT CORPORATION				124			ROBERTSON'S READY MIX
MITSUBISHI CEMENT CORPORATION				9			SPECIALTY MINERALS, INC.
PAK, KAE SOO AND MYONG HUI KANG				34			CHUNG, ET AL.
PETTIGREW, JAMES AND CHERLYN	500						AMERICA UNITED DEVELOPMENT, LLC
PETTIGREW, JAMES AND CHERLYN		400					AMERICA UNITED DEVELOPMENT, LLC
WEISER, ET AL.	90						CROWN CAMBRIA, LLC
WEST END MUTUAL WATER COMPANY				8			DESERT DAWN MUTUAL WATER COMPANY
TOTAL	590	400	0	376	0	0	

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

TRANSFEROR	TRANSFER AMOUNT						TRANSFeree
	BASE ANNUAL PRODUCTION ¹	2018-19 CARRYOVER ²	2019-20 FPA ³	2018-19 CARRYOVER IN LIEU OF REPLACEMENT ⁴	2018-19 CARRYOVER IN LIEU OF MAKEUP ⁵	2019-20 FPA IN LIEU OF MAKEUP ⁶	
BROWN, SUE	46						HETTINGA REVOCABLE TRUST
BROWN, SUE		37					HETTINGA REVOCABLE TRUST
TOTAL	46	37	0	0	0	0	

APPENDIX E
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	2018-19 CARRYOVER ²	2019-20 FPA ³	2018-19 CARRYOVER IN LIEU OF REPLACEMENT ⁴	2018-19 CARRYOVER IN LIEU OF MAKEUP ⁵	2019-20 FPA IN LIEU OF MAKEUP ⁶	TRANSFEE
ADES, JOHN AND DEVON				25			VICTORVILLE WATER DISTRICT, ID#1
AMERICAN STATES WATER COMPANY				275			GOLDEN STATE WATER COMPANY
AMERICAN STATES WATER COMPANY				325			SAN BERNARDINO COUNTY SERVICE AREA 70J
AQUA CAPITAL MANAGEMENT, LP-INDUSTRIAL				11			VICTORVILLE WATER DISTRICT, ID#1
BASS TRUST, NEWTON T.				409			VICTORVILLE WATER DISTRICT, ID#1
BASTIANON REVOCABLE TRUST				61			VICTORVILLE WATER DISTRICT, ID#1
BEEBE, DOROTHEY K.				5			HESPERIA - GOLF COURSE, CITY OF
BEEBE, DOROTHEY K.	6						HOLY HEAVENLY LAKE, LLC
BEINSCHROTH FAMILY TRUST	250						BEINSCHROTH FAMILY TRUST
BEINSCHROTH FAMILY TRUST		192					BEINSCHROTH FAMILY TRUST
BEINSCHROTH FAMILY TRUST		200					BEINSCHROTH, ANDY ERIC
BEINSCHROTH FAMILY TRUST	250						BEINSCHROTH, ANDY ERIC
BEINSCHROTH FAMILY TRUST				60			MARIANA RANCHOS COUNTY WATER DISTRICT
BEINSCHROTH FAMILY TRUST		136					PAUSTELL, JOAN BEINSCHROTH
BEINSCHROTH FAMILY TRUST	170						PAUSTELL, JOAN BEINSCHROTH
BEINSCHROTH FAMILY TRUST				51			THUNDERBIRD COUNTY WATER DISTRICT
BEINSCHROTH FAMILY TRUST				101			VICTORVILLE WATER DISTRICT, ID#1
BEINSCHROTH, ANDY ERIC				200			VICTORVILLE WATER DISTRICT, ID#1
BOX, GEARY S. AND LAURA		13					LANGLEY, JAMES
BROWN, BOBBY G. AND VALERIA R.				33			VICTORVILLE WATER DISTRICT, ID#1
BROWN, JENNIFER		27					SPRING VALLEY LAKE ASSOCIATION
BRYANT, IAN				24			VICTORVILLE WATER DISTRICT, ID#1
BUNNELL, DICK				18			VICTORVILLE WATER DISTRICT, ID#1
CALMAT COMPANY		11					AQUA CAPITAL MANAGEMENT, LP-INDUSTRIAL
CALPORTLAND COMPANY - AGRICULTURE		515					LANGLEY, JAMES
CALPORTLAND COMPANY - ORO GRANDE PLANT		1,088					LANGLEY, JAMES - INDUSTRIAL
DLW REVOCABLE TRUST				56			VICTORVILLE WATER DISTRICT, ID#1
DOLCH LIVING TRUST ROBERT AND JUDITH	10						HELENDALE COMMUNITY SERVICES DISTRICT
DOLCH, ROBERT AND JUDY		76					SILVER LAKES ASSOCIATION
DORA LAND, INC.				12			WOOD, MICHAEL AND DENISE
FEDERAL BUREAU OF PRISONS, VICTORVILLE			378				VICTORVILLE WATER DISTRICT, ID#1
FINCH, JENIFER		24					APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT
FISCHER REVOCABLE LIVING TRUST		28					SILVER LAKES ASSOCIATION
FISHER TRUST, JEROME R.		100					ADELANTO, CITY OF

APPENDIX E

MARCH 24, 2021

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	2018-19 CARRYOVER ²	2019-20 FPA ³	2018-19 CARRYOVER IN LIEU OF REPLACEMENT ⁴	2018-19 CARRYOVER IN LIEU OF MAKEUP ⁵	2019-20 FPA IN LIEU OF MAKEUP ⁶	
FISHER TRUST, JEROME R.		219					SILVER LAKES ASSOCIATION
FISHER TRUST, JEROME R.				188			VICTORVILLE WATER DISTRICT, ID#1
FRAZIER, ET AL.				40			VICTORVILLE WATER DISTRICT, ID#1
HAAS, BRYAN C. AND HINKLE, MARY H.				8			SAPP, ROBERT D. AND LEE, TERESA J.
HALANNA EQUITIES III				12			HESPERIA - GOLF COURSE, CITY OF
HAMILTON FAMILY TRUST		72					JAMBOREE HOUSING CORPORATION
HELENDALE COMMUNITY SERVICES DISTRICT		1,029					VICTORVILLE WATER DISTRICT, ID#1
HELENDALE COMMUNITY SERVICES DISTRICT				12			VICTORVILLE WATER DISTRICT, ID#2
HESPERIA, CITY OF		140					HESPERIA WATER DISTRICT
HESPERIA, CITY OF				3,902			HESPERIA WATER DISTRICT
HI-GRADE MATERIALS COMPANY				72			AGCON, INC.
HOLWAY JEFFREY R AND PATRICIA GAGE		7					HESPERIA WATER DISTRICT
HOLWAY, JEFFREY R		9					HESPERIA WATER DISTRICT
HUNT, CONNIE		53					HESPERIA WATER DISTRICT
JESS RANCH WATER COMPANY				326			VICTORVILLE WATER DISTRICT, ID#1
JESS RANCH WATER COMPANY				3,028			VICTORVILLE WATER DISTRICT, ID#2
JOHNSON, RONALD		25					HESPERIA WATER DISTRICT
JOHNSTON, HARRIET AND JOHNSTON, LAWRENCE W.			8				JOHNSON, CARLEAN
JOHNSTON, HARRIET AND JOHNSTON, LAWRENCE W.		99					LANGLEY, JAMES
KEMPER CAMPBELL RANCH		314					SILVER LAKES ASSOCIATION
LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT				527			ADELANTO, CITY OF
LANGLEY, JAMES				169			HESPERIA - GOLF COURSE, CITY OF
LANGLEY, JAMES				46			HESPERIA WATER DISTRICT
LANGLEY, JAMES		412					SAN BERNARDINO COUNTY SERVICE AREA 70J
LANGLEY, JAMES				18			SAN BERNARDINO COUNTY SERVICE AREA 70J
LANGLEY, JAMES				55			VICTOR VALLEY MEMORIAL PARK
LANGLEY, JAMES - INDUSTRIAL				11			AGCON, INC.
LANGLEY, JAMES - INDUSTRIAL				325			CDFW - MOJAVE NARROWS REGIONAL PARK
LANGLEY, JAMES - INDUSTRIAL				220			CEMEX, INC.
LANGLEY, JAMES - INDUSTRIAL				344			HESPERIA WATER DISTRICT
LANGLEY, JAMES - INDUSTRIAL				188			SAN BERNARDINO COUNTY - HIGH DESERT DETENTION CEN
LAWSON, ERNEST AND BARBARA				3			JOHNSON, CARLEAN
LAWSON, ERNEST AND BARBARA				1			PERRY REVOCABLE LIVING TRUST, THOMAS AND PATRICIA
LAWSON, ERNEST AND BARBARA				7			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

MARCH 24, 2021

TRANSFEROR	TRANSFER AMOUNT						TRANSFeree
	BASE ANNUAL PRODUCTION ¹	2018-19 CARRYOVER ²	2019-20 FPA ³	2018-19 CARRYOVER IN LIEU OF REPLACEMENT ⁴	2018-19 CARRYOVER IN LIEU OF MAKEUP ⁵	2019-20 FPA IN LIEU OF MAKEUP ⁶	
LHC ALLIGATOR, LLC			374				HESPERIA WATER DISTRICT
LOW, DEAN		160					SPRING VALLEY LAKE ASSOCIATION
LUCKEY 2010 REVOCABLE TRUST		239					SILVER LAKES ASSOCIATION
MCKINNEY, PAULA		27					HESPERIA WATER DISTRICT
NUNN FAMILY TRUST				28			VICTORVILLE WATER DISTRICT, ID#1
PAUSTELL, JOAN BEINSCHROTH				136			VICTORVILLE WATER DISTRICT, ID#1
POLICH, DONNA		52					HESPERIA WATER DISTRICT
RIM PROPERTIES, A GENERAL PARTNERSHIP				8			VICTORVILLE WATER DISTRICT, ID#1
RUE RANCH, INC.				15			ADELANTO, CITY OF
SAN BERNARDINO COUNTY SERVICE AREA 42				225			SAN BERNARDINO COUNTY SERVICE AREA 70J
SAN BERNARDINO COUNTY SERVICE AREA 64				139			SAN BERNARDINO COUNTY SERVICE AREA 70J
SCRAY, MICHELLE A. TRUST		11					LANGLEY, JAMES
STORM, RANDALL				50			ADELANTO, CITY OF
SUDMEIER, GLENN W.				15			VICTORVILLE WATER DISTRICT, ID#1
SUMMIT VALLEY RANCH, LLC				43			HESPERIA WATER DISTRICT
THOMPSON LIVING TRUST, JAMES A. AND SULA B.		75					SILVER LAKES ASSOCIATION
THOMPSON LIVING TRUST, JAMES A. AND SULA B.				256			VICTOR VALLEY COMMUNITY COLLEGE DISTRICT
THRASHER, GARY				291			VICTORVILLE WATER DISTRICT, ID#1
VANHOOPS HOLDINGS, LP				288			ADELANTO, CITY OF
VOGLER, ALBERT H.		49					SILVER LAKES ASSOCIATION
WAGNER LIVING TRUST				980			VICTORVILLE WATER DISTRICT, ID#1
WAKULA FAMILY TRUST				8			VICTORVILLE WATER DISTRICT, ID#1
WARD, KEN AND BARBARA				36			APPLE VALLEY UNIFIED SCHOOL DISTRICT
WEST, HOWARD AND SUZY		58					LANGLEY, JAMES
WEST, JIMMIE E.				7			VICTORVILLE WATER DISTRICT, ID#1
TOTAL	686	5,460	760	13,693	0	0	

APPENDIX E

MARCH 24, 2021

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	2018-19 CARRYOVER ²	2019-20 FPA ³	2018-19 CARRYOVER IN LIEU OF REPLACEMENT ⁴	2018-19 CARRYOVER IN LIEU OF MAKEUP ⁵	2019-20 FPA IN LIEU OF MAKEUP ⁶	
APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT					7		APPLE VALLEY FOOTHILL COUNTY WATER DISTRICT
APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT					8		APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT
AQUA CAPITAL MANAGEMENT, LP					244		ADELANTO, CITY OF
AQUA CAPITAL MANAGEMENT, LP					1		ADES, JOHN AND DEVON
AQUA CAPITAL MANAGEMENT, LP					36		APPLE VALLEY, TOWN OF
AQUA CAPITAL MANAGEMENT, LP					1		BASS TRUST, NEWTON T.
AQUA CAPITAL MANAGEMENT, LP					1		BEINSCHROTH FAMILY TRUST
AQUA CAPITAL MANAGEMENT, LP					1		BROWN, JENNIFER
AQUA CAPITAL MANAGEMENT, LP					1		CALMAT COMPANY
AQUA CAPITAL MANAGEMENT, LP						31	HESPERIA - GOLF COURSE, CITY OF
AQUA CAPITAL MANAGEMENT, LP						18	HESPERIA WATER DISTRICT
AQUA CAPITAL MANAGEMENT, LP					2		JOHNSON, CARLEAN
AQUA CAPITAL MANAGEMENT, LP					5		KEMPER CAMPBELL RANCH
AQUA CAPITAL MANAGEMENT, LP					10		PHELAN PIÑON HILLS COMMUNITY SERVICES DISTRICT
AQUA CAPITAL MANAGEMENT, LP					228		SILVER LAKES ASSOCIATION
AQUA CAPITAL MANAGEMENT, LP					163		SPRING VALLEY LAKE ASSOCIATION
AQUA CAPITAL MANAGEMENT, LP					1		THOMPSON LIVING TRUST, JAMES A. AND SULA B.
AQUA CAPITAL MANAGEMENT, LP					1		THRASHER, GARY
AQUA CAPITAL MANAGEMENT, LP					6		THUNDERBIRD COUNTY WATER DISTRICT
AQUA CAPITAL MANAGEMENT, LP					11		VICTOR VALLEY COMMUNITY COLLEGE DISTRICT
AQUA CAPITAL MANAGEMENT, LP					69		VICTORVILLE WATER DISTRICT, ID#1
AQUA CAPITAL MANAGEMENT, LP						420	VICTORVILLE WATER DISTRICT, ID#1
AQUA CAPITAL MANAGEMENT, LP						134	VICTORVILLE WATER DISTRICT, ID#2
AQUA CAPITAL MANAGEMENT, LP					2		WARD, KEN AND BARBARA
BROMMER FAMILY TRUST					13		MARIANA RANCHOS COUNTY WATER DISTRICT
BROMMER FAMILY TRUST					2		NAVAJO MUTUAL WATER COMPANY
BROMMER FAMILY TRUST					8		RANCHERITOS MUTUAL WATER COMPANY
CONTRATTO, ERSULA					120		HESPERIA WATER DISTRICT
DORRANCE, DAVID W. AND TAMELA L.						15	CALPORTLAND COMPANY - ORO GRANDE PLANT
FOURFREE USA, INC.			8				CHONG, JOAN
FOURFREE USA, INC.		34					CHONG, JOAN
FRATES, D. COLE						1	BOX, GEARY S. AND LAURA
FRATES, D. COLE						9	CALPORTLAND COMPANY - ORO GRANDE PLANT
GOLDEN STATE WATER COMPANY					2		APPLE VALLEY VIEW MUTUAL WATER COMPANY

APPENDIX E

MARCH 24, 2021

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	2018-19 CARRYOVER ²	2019-20 FPA ³	2018-19 CARRYOVER IN LIEU OF REPLACEMENT ⁴	2018-19 CARRYOVER IN LIEU OF MAKEUP ⁵	2019-20 FPA IN LIEU OF MAKEUP ⁶	
GOLDEN STATE WATER COMPANY					43		GOLDEN STATE WATER COMPANY
GOLDEN STATE WATER COMPANY		800					HUERTA, HECTOR
GOLDEN STATE WATER COMPANY					5		SAN BERNARDINO COUNTY SERVICE AREA 42
GOLDEN STATE WATER COMPANY					200		SAN BERNARDINO COUNTY SERVICE AREA 64
GOLDEN STATE WATER COMPANY					63		SAN BERNARDINO COUNTY SERVICE AREA 70J
GOLDEN STATE WATER COMPANY		1,600					VERNOLA TRUST, PAT AND MARY ANN
HANIFY, MICHAEL D., DBA - WHITE BEAR RANCH						3	CALPORTLAND COMPANY - ORO GRANDE PLANT
HANIFY, MICHAEL D., DBA - WHITE BEAR RANCH					39		CDFW - MOJAVE NARROWS REGIONAL PARK
HANIFY, MICHAEL D., DBA - WHITE BEAR RANCH						57	CDFW - MOJAVE NARROWS REGIONAL PARK
HASKINS, JAMES J.						18	AGCON, INC.
HASKINS, JAMES J.						2	HI-GRADE MATERIALS COMPANY
HELENDALE COMMUNITY SERVICES DISTRICT						113	HELENDALE COMMUNITY SERVICES DISTRICT
HILL FAMILY TRUST AND HILL'S RANCH, INC.					114		JESS RANCH WATER COMPANY
HILL FAMILY TRUST AND HILL'S RANCH, INC.					261		LIBERTY UTILITIES (APPLE VALLEY RANCHOS WATER) COR
JORDAN FAMILY TRUST					364		HESPERIA WATER DISTRICT
KASNER FAMILY LIMITED PARTNERSHIP					69		CEMEX, INC.
KASNER FAMILY LIMITED PARTNERSHIP				4			HI-GRADE MATERIALS COMPANY
KASNER FAMILY LIMITED PARTNERSHIP					43		SPRING VALLEY LAKE COUNTRY CLUB
KIM, JIN S. AND HYUN H.					152		HESPERIA WATER DISTRICT
SOPPELAND REVOCABLE TRUST				6			BARSTOW COMMUNITY DEVELOPERS, LLC
SOPPELAND REVOCABLE TRUST					26		HESPERIA WATER DISTRICT
SOPPELAND REVOCABLE TRUST					341		LIBERTY UTILITIES (APPLE VALLEY RANCHOS WATER) COR
SOPPELAND REVOCABLE TRUST				10			SYNAGRO-WWT, INC. (DBA NURSURY PRODUCTS, LLC)
VAN DAM REVOCABLE TRUST, E AND S				124			GRILL, NICHOLAS P. AND MILLIE D.
VICTORVILLE WATER DISTRICT, ID#1						597	VICTORVILLE WATER DISTRICT, ID#1
WERNER, ANDREW J.						14	CALPORTLAND COMPANY - ORO GRANDE PLANT
WESTERN DEVELOPMENT AND STORAGE, LLC						5	CALPORTLAND COMPANY - ORO GRANDE PLANT
TOTAL	0	2,434	8	144	2,663	1,437	

APPENDIX E

MARCH 24, 2021

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	2018-19 CARRYOVER ²	2019-20 FPA ³	2018-19 CARRYOVER IN LIEU OF REPLACEMENT ⁴	2018-19 CARRYOVER IN LIEU OF MAKEUP ⁵	2019-20 FPA IN LIEU OF MAKEUP ⁶	
ARCHIBEK, ERIC		254					CLARK, GARY AND BETH A.
ARCHIBEK, ERIC			45				CLARK, GARY AND BETH A.
ARCHIBEK, ERIC			257				KASNER FAMILY LIMITED PARTNERSHIP
ARCHIBEK, ERIC				79			WESTERN HORIZON ASSOCIATES, INC.
ARCHIBEK, ERIC		121					WESTERN HORIZON ASSOCIATES, INC.
ARGUELLES REVOCABLE TRUST, ALFREDO A. AND ANA. M.		227					LAKE WAINANI OWNERS ASSOCIATION
ARGUELLES REVOCABLE TRUST, ALFREDO A. AND ANA. M.	647						LAKE WAINANI OWNERS ASSOCIATION
BORGOGNO REVOCABLE LIVING TRUST		646					VAN DAM FAMILY TRUST, GLEN AND JENNIFER
BORGOGNO REVOCABLE LIVING TRUST	1,844						VAN DAM FAMILY TRUST, GLEN AND JENNIFER
BREDELIS, RONALD C. AND JEAN		17					DE JONG FAMILY TRUST
CALICO JUNCTION		7					NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION
CALICO JUNCTION	20						NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION
CALICO LAKES HOMEOWNERS ASSOCIATION		85					NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION
EVERT FAMILY TRUST		35					NSSL, INC.
GABRYCH, EUGENE				53			ROSSI, JAMES L. AND NAOMI I.
GARG, OM P.		75					NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION
GENON CALIFORNIA SOUTH, LP		1,983					MOJAVE WATER AGENCY
GENON CALIFORNIA SOUTH, LP	7,194						MOJAVE WATER AGENCY
GRAY, GEORGE F. AND BETTY E.		33					DE JONG FAMILY TRUST
HARTER, JOE AND SUE				50			DAGGETT COMMUNITY SERVICES DISTRICT
HASS, PAULINE L.		12					DE JONG FAMILY TRUST
HAWKINS, JAMES B.		299					ARCHIBEK, ERIC
HAWKINS, JAMES B.			257				ARCHIBEK, ERIC
HIETT, HARRY L.				11			DAGGETT COMMUNITY SERVICES DISTRICT
HILARIDES 1998 REVOCABLE FAMILY TRUST		105					ARCHIBEK, ERIC
HO, TING-SENG AND AH-GIT		42					NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION
HO, TING-SENG AND AH-GIT		40					NSSL, INC.
HORTON, JOHN				62			HORTON'S CHILDREN'S TRUST
HORTON, JOHN		23					HORTON'S CHILDREN'S TRUST
HYATT, JAMES AND BRENDA		57					DE JONG FAMILY TRUST
JACKSON, JAMES N. JR REVOCABLE LIVING TRUST		5					IRVIN, BERTRAND W.
JACKSON, JAMES N. JR REVOCABLE LIVING TRUST				2			LANGLEY, MICHAEL R. AND SHARON
JACKSON, JAMES N. JR REVOCABLE LIVING TRUST				12			SMITH, DENISE DBA AMEREQUINE BEAUTY, INC
JOHNSON, JAMES R. AND ELLEN	247						IM, NICHOLAS NAK-KYUN

APPENDIX E

MARCH 24, 2021

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

BAJA SUBAREA

	TRANSFER AMOUNT						
TRANSFEROR	BASE ANNUAL PRODUCTION ¹	2018-19 CARRYOVER ²	2019-20 FPA ³	2018-19 CARRYOVER IN LIEU OF REPLACEMENT ⁴	2018-19 CARRYOVER IN LIEU OF MAKEUP ⁵	2019-20 FPA IN LIEU OF MAKEUP ⁶	TRANSFEEEE
JOHNSON, JAMES R. AND ELLEN		65					IM, NICHOLAS NAK-KYUN
KASNER, ROBERT				767			KASNER FAMILY LIMITED PARTNERSHIP
KIM, JOON HO AND MAL BOON REVOCABLE TRUST		24					DE JONG FAMILY TRUST
KOROGHLIAN, TED AND NAJWA		1					MUSIC, ZAJO
KOROGHLIAN, TED AND NAJWA	15						MUSIC, ZAJO
LAKE JODIE PROPERTY OWNERS ASSOCIATION				3			NEWBERRY COMMUNITY SERVICES DISTRICT
LIANG, YUAN - I AND TZU - MEI CHEN				70			SMITH, DENISE DBA AMEREQUINE BEAUTY, INC
LIN, KUAN JUNG AND CHUNG, DER-BING		158					NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION
MIZRAHIE, ET AL.		51					NSSLIC, INC.
MOJAVE WATER AGENCY			600				GENON CALIFORNIA SOUTH, LP
MORRIS TRUST, JULIA V.		107					NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION
NEW SPRINGS LIMITED PARTNERSHIP		54					ATCHISON, TOPEKA, SANTA FE RAILWAY COMPANY
NEW SPRINGS LIMITED PARTNERSHIP				14			FOOTHILL ESTATES MHP, LLC
NEW SPRINGS LIMITED PARTNERSHIP				19			MARTIN, MICHAEL D. AND ARLENE D.
NEW SPRINGS LIMITED PARTNERSHIP		23					MARTIN, MICHAEL D. AND ARLENE D.
NEW SPRINGS LIMITED PARTNERSHIP		252					NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION
NEW SPRINGS LIMITED PARTNERSHIP		35					QUIROS, FRANCISCO J. AND HERRMANN, RONALD
NEW SPRINGS LIMITED PARTNERSHIP				1			QUIROS, FRANCISCO J. AND HERRMANN, RONALD
NEW SPRINGS LIMITED PARTNERSHIP		240					ST. ANTONY COPTIC ORTHODOX MONASTERY
NEW SPRINGS LIMITED PARTNERSHIP				78			VAN BASTELAAR, ALPHONSE
NEW SPRINGS LIMITED PARTNERSHIP		100					VAN LEEUWEN, JOHN
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	3						CALICO LAKES HOMEOWNERS ASSOCIATION
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	3						CHEYENNE LAKE, INC.
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION		84					CHEYENNE LAKE, INC.
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	140						CHEYENNE LAKE, INC.
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	3						CRYSTAL LAKES PROPERTY OWNERS ASSOCIATION
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	140						CRYSTAL LAKES PROPERTY OWNERS ASSOCIATION
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION		389					CRYSTAL LAKES PROPERTY OWNERS ASSOCIATION
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	3						LAKE JODIE PROPERTY OWNERS ASSOCIATION
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION		203					LAKE JODIE PROPERTY OWNERS ASSOCIATION
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	140						LAKE JODIE PROPERTY OWNERS ASSOCIATION
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	140						LAKE WAINANI OWNERS ASSOCIATION
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION		136					O. F. D. L., INC.
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	3						O. F. D. L., INC.

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	2018-19 CARRYOVER ²	2019-20 FPA ³	2018-19 CARRYOVER IN LIEU OF REPLACEMENT ⁴	2018-19 CARRYOVER IN LIEU OF MAKEUP ⁵	2019-20 FPA IN LIEU OF MAKEUP ⁶	
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	140						O. F. D. L., INC.
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	100						SUNDOWN LAKES, INC.
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	3						SUNDOWN LAKES, INC.
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION		132					SUNDOWN LAKES, INC.
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	140						WET SET, INC.
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION		56					WET SET, INC.
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	3						WET SET, INC.
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	140						WLSR, INC.
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION		106					WLSR, INC.
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	3						WLSR, INC.
PEARCE, CRAIG L.			45				ARCHIBEK, ERIC
PEARCE, CRAIG L.		50					ARCHIBEK, ERIC
PRECISION INVESTMENTS SERVICES, LLC		35					DE JONG FAMILY TRUST
VAN DAM FAMILY TRUST, GLEN AND JENNIFER				51			DAGGETT COMMUNITY SERVICES DISTRICT
TOTAL	11,071	6,367	1,204	1,272	0	0	
TOTAL - ALL SUBAREAS	12,393	14,698	1,972	15,485	2,663	1,437	

NOTES FOR APPENDIX E

- 1 TRANSFERS OF BASE ANNUAL PRODUCTION RIGHT DURING 2019-20.
- 2 TRANSFERS OF 2018-19 CARRYOVER (UNUSED FPA) FOR USE DURING 2019-20.
- 3 TRANSFERS OF 2019-20 FREE PRODUCTION ALLOWANCE FOR USE DURING 2019-20.
- 4 2018-19 CARRYOVER IN LIEU OF REPLACEMENT TRANSFERS ARE MADE ONLY FOR SATISFACTION OF REPLACEMENT WATER OBLIGATIONS INCURRED DURING 2018-19.
- 5 2018-19 CARRYOVER IN LIEU MAKEUP TRANSFERS ARE MADE ONLY FOR SATISFACTION OF MAKEUP WATER OBLIGATIONS INCURRED DURING 2018-19.
- 6 2019-20 FPA IN LIEU MAKEUP TRANSFERS ARE MADE ONLY FOR SATISFACTION OF MAKEUP WATER OBLIGATIONS INCURRED DURING 2018-19.

APPENDIX F

BALANCES IN STORAGE AGREEMENTS

APPENDIX F

MARCH 24, 2021

STORAGE AGREEMENT ACCOUNTING AND BALANCES
2019-20 WATER YEAR
(ALL AMOUNTS IN ACRE-FEET)

STORER	STORAGE AGREEMENT				ACTIVITY				BALANCE AS OF 9/30/20
	INITIATION DATE	EXPIRATION DATE	MAXIMUM AMOUNT ¹	AMOUNT STORED AS OF 10/1/19	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	7,786	0	0	0	-1,670	6,116
VICTORVILLE WATER DISTRICT, ID#1 TOTAL			13,000	8,786	0	0	0	-1,670	7,116
MOJAVE WATER AGENCY - ALTO	09/28/2016	09/28/2036	242,000	133,537	8,234	-247	0	-305	141,219
MOJAVE WATER AGENCY - BAJA	09/28/2016	09/28/2036	50,000	24,184	611	-18	0	-23	24,754
MOJAVE WATER AGENCY - CENTRO	09/28/2016	09/28/2036	35,000	24,147	501	-15	0	-11	24,622
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	183,188	9,346	-280	0	-339	191,915

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, 2020



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

Annual Financial Report

For the Fiscal Years Ended June 30, 2020 and 2019



Mojave Basin Area Watermaster
Annual Financial Report
For the Fiscal Year Ended June 30, 2020 (with comparative data for 2019)

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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, 2020, 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, 2020, 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 2019 financial statements, and we expressed an unmodified opinion in our report dated October 22, 2019. In our opinion, the summarized comparative information presented herein as of and for the year ended June 30, 2019, 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, 2019, 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 November 12, 2020 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
November 12, 2020

Mojave Basin Area Watermaster
Management's Discussion and Analysis
For the Fiscal Year Ended June 30, 2020

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, 2020 and 2019. 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 2020, the Watermaster's net position decreased 5%, or \$50,707, to \$992,442 as a result from ongoing operations. 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 2020, the Watermaster's operating revenues decreased 56%, or \$773,370, to \$618,648 primarily due to a decrease in replacement assessments. 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 2020, the Watermaster's operating expenses decreased 59%, or \$859,079, to \$607,091 primarily due to a decrease in State Water Project importation charges. 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.

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 2020 and 2019.

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 reports cash receipts, cash payments, and net changes in cash resulting from operations, investing, non-capital financing, and capital and related financing activities and provides answers to questions such 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, 2020

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					
	2020	2019	Change	2018	Change
Assets					
Current assets	\$ 1,292,559	\$ 2,199,549	\$ (906,990)	\$ 1,601,022	\$ 598,527
Non-current assets	3,015	2,397	618	-	2,397
Total assets	<u>1,295,574</u>	<u>2,201,946</u>	<u>(906,372)</u>	<u>1,601,022</u>	<u>600,924</u>
Liabilities					
Current liabilities	<u>303,132</u>	<u>1,158,797</u>	<u>(855,665)</u>	<u>227,463</u>	<u>931,334</u>
Total liabilities	<u>303,132</u>	<u>1,158,797</u>	<u>(855,665)</u>	<u>227,463</u>	<u>931,334</u>
Net position					
Restricted	<u>992,442</u>	<u>1,043,149</u>	<u>(50,707)</u>	<u>1,373,559</u>	<u>(330,410)</u>
Total net position	<u>\$ 992,442</u>	<u>\$ 1,043,149</u>	<u>\$ (50,707)</u>	<u>\$ 1,373,559</u>	<u>\$ (330,410)</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 \$992,442 and \$1,043,149 as of June 30, 2020 and 2019, 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, 2020

Statements of Revenues, Expenses and Changes in Net Position

Condensed Statements of Revenues, Expenses and Changes in Net Position					
	2020	2019	Change	2018	Change
Revenue:					
Operating revenues	\$ 618,648	\$ 1,392,018	\$ (773,370)	\$ 628,328	\$ 763,690
Non-operating revenues	29,164	31,125	(1,961)	17,397	13,728
Total revenues	<u>647,812</u>	<u>1,423,143</u>	<u>(775,331)</u>	<u>645,725</u>	<u>777,418</u>
Expense:					
Operating expense	607,091	1,466,170	(859,079)	497,210	968,960
Non-operating expenses	91,428	287,383	(195,955)	52,815	234,568
Total expenses	<u>698,519</u>	<u>1,753,553</u>	<u>(1,055,034)</u>	<u>550,025</u>	<u>1,203,528</u>
Change in net position	(50,707)	(330,410)	279,703	95,700	(426,110)
Net position, beginning 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>
Net position, end of year	<u>\$ 992,442</u>	<u>\$ 1,043,149</u>	<u>\$ (50,707)</u>	<u>\$ 1,373,559</u>	<u>\$ (330,410)</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 \$50,707 for the fiscal year ended June 30, 2020, as result of ongoing operations. For the fiscal year ended June 30, 2019, net position decreased by \$330,410 as a result of ongoing operations.

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

In fiscal year 2020, the Watermaster's total revenues decreased 54%, or \$775,331, to \$647,812 due to a decrease of \$810,673 in Replacement assessments which was offset by an increase of \$40,740 in Administrative and Biological assessments. 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 2020, the Watermaster's total expenses decreased 60%, or \$1,055,034, to \$698,519 due to a decrease of \$810,673 in State Water Project importation charges along with a decrease of \$195,954 in biological expenses. In fiscal year 2019, the Watermaster's total expenses increased 219%, or \$1,203,528, to \$1,753,553 due to an increase of \$808,380 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.

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 at 13846 Conference Center Drive, Apple Valley, CA, 92307.

Basic Financial Statements

Mojave Basin Area Watermaster
Statements of Net Position
June 30, 2020 (with comparative data for 2019)

	2020	2019
ASSETS		
Current assets:		
Restricted - cash and cash equivalents (Note 2)	\$ 1,251,717	\$ 1,319,372
Accrued interest receivable	3,014	7,865
Accounts receivable - Administrative assessments	2,777	6,593
Accounts receivable - Biological assessments	491	1,688
Accounts receivable - Replacement assessments	34,135	862,376
Accounts receivable - Make-up assessments	425	1,655
	<u>1,292,559</u>	<u>2,199,549</u>
Total current assets	<u>1,292,559</u>	<u>2,199,549</u>
Non-current assets:		
Accounts receivable - Administrative assessments	902	1,406
Accounts receivable - Biological assessments	180	213
Accounts receivable - Replacement assessments	1,155	-
Accounts receivable - Make-up assessments	778	778
	<u>3,015</u>	<u>2,397</u>
Total non-current assets	<u>3,015</u>	<u>2,397</u>
Total assets	<u>1,295,574</u>	<u>2,201,946</u>
LIABILITIES		
Current liabilities:		
Accounts payable - Administrative	123,040	133,526
Accounts payable - Biological	91,429	138,834
Accounts payable - Replacement	82,337	876,760
Accounts payable - Make-up	6,326	9,677
	<u>303,132</u>	<u>1,158,797</u>
Total current liabilities	<u>303,132</u>	<u>1,158,797</u>
Total liabilities	<u>303,132</u>	<u>1,158,797</u>
NET POSITION		
Restricted for watermaster (Note 3)	<u>992,442</u>	<u>1,043,149</u>
Total net position	<u>\$ 992,442</u>	<u>\$ 1,043,149</u>

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, 2020 (with comparative data for 2019)**

	2020	2019
OPERATING REVENUES		
Administrative assessments	\$ 420,611	\$ 401,915
Biological assessments	128,264	106,220
Replacement assessments	64,419	875,092
Make-up assessments	5,354	8,791
Total operating revenues	618,648	1,392,018
OPERATING EXPENSES		
State Water Project importation charges:		
Replacement charges	64,419	875,092
Make-up charges	5,319	9,003
Operating costs	537,353	582,075
Total operating expenses	607,091	1,466,170
Operating income (loss)	11,557	(74,152)
NONOPERATING REVENUES (EXPENSES)		
Investment earnings	25,661	28,670
Administrative revenue	3,503	2,455
Biological expense	(91,428)	(287,383)
Total nonoperating revenues (expenses)	(62,264)	(256,258)
Change in net position	(50,707)	(330,410)
Net position, beginning of year	1,043,149	1,373,559
Net position, end of year	\$ 992,442	\$ 1,043,149

See accompanying notes to the basic financial statements.

Mojave Basin Area Watermaster**Statements of Cash Flows****For the Fiscal Year Ended June 30, 2020 (with comparative data for 2019)**

	<u>2020</u>	<u>2019</u>
Cash flows from operating activities:		
Cash receipts from customers and others	\$ 1,452,514	\$ 595,374
Cash paid to vendors and suppliers	(1,195,821)	(499,215)
Cash paid to employees for salaries and wages	<u>(354,860)</u>	<u>(320,549)</u>
Net cash provided (used) by operating activities	<u>(98,167)</u>	<u>(224,390)</u>
Cash flows from investing activities:		
Investment earnings	<u>30,512</u>	<u>25,258</u>
Net cash provided by investing activities	<u>30,512</u>	<u>25,258</u>
Net increase (decrease) in cash and cash equivalents	(67,655)	(199,132)
Cash and investments, beginning of year	<u>1,319,372</u>	<u>1,518,504</u>
Cash and investments, end of year	<u><u>\$ 1,251,717</u></u>	<u><u>\$ 1,319,372</u></u>
Reconciliation to the Statement of Net Position:		
Restricted - cash and cash equivalents	<u>\$ 1,251,717</u>	<u>\$ 1,319,372</u>
Total cash and investments	<u><u>\$ 1,251,717</u></u>	<u><u>\$ 1,319,372</u></u>

(Continued on next page)

Mojave Basin Area Watermaster
Statements of Cash Flows, continued
For the Fiscal Year Ended June 30, 2020 (with comparative data for 2019)

	<u>2020</u>	<u>2019</u>
Reconciliation of operating income (loss) to net cash provided (used) by operating activities		
Operating income (loss)	\$ 11,557	\$ (74,152)
Adjustments to reconcile operating income (loss) to net cash provided (used) by operating activities:		
Nonoperating revenues	3,503	2,455
Nonoperating expenses	(91,428)	(287,383)
Changes in assets and liabilities:		
(Increase) Decrease in assets:		
Accounts receivable - Administrative assessments	4,320	(2,085)
Accounts receivable - Biological assessments	1,230	(587)
Accounts receivable - Replacement assessments	827,086	(794,585)
Accounts receivable - Make-up assessments	1,230	613
Increase (Decrease) in liabilities:		
Accounts payable - Administrative	(10,486)	34,463
Accounts payable - Biological	(47,405)	86,045
Accounts payable - Replacement	(794,423)	806,786
Accounts payable - Make-up	(3,351)	4,040
Total adjustments	<u>(109,724)</u>	<u>(150,238)</u>
Net cash provided (used) by operating activities	<u>\$ (98,167)</u>	<u>\$ (224,390)</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 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*.

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, 2020 (with comparative data for 2019)

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:

	2020	2019
Restricted - cash and cash equivalents:		
Administrative	\$ 127,923	\$ 235,918
Biological resources trust	681,841	679,930
Replacement water	432,247	391,835
Make-up water	9,706	11,689
	<u>\$ 1,251,717</u>	<u>\$ 1,319,372</u>

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

	2020	2019
Demand deposits with financial institutions	\$ 354,189	\$ 192,357
Local Agency Investment Fund (LAIF)	897,528	1,127,015
	<u>\$ 1,251,717</u>	<u>\$ 1,319,372</u>

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

	2020	2019
Deposits held with California Local Agency Investment Fund (LAIF)	191 days	173 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, 2020 and 2019, 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:

	2020	2019
Restricted net position:		
Administrative	\$ 11,576	\$ 118,257
Biological resources trust	591,083	542,998
Replacement water	385,200	377,451
Make-up water	4,583	4,443
	<hr/>	<hr/>
Total restricted net position	<u>\$ 992,442</u>	<u>\$ 1,043,149</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, 2020, 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, 2020, 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, 2020, 2019 and 2018. 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, 2020, 2019, and 2018, 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.

Note 6: Contingencies

COVID-19 Considerations

On March 11, 2020, the World Health Organization declared the novel strain of coronavirus (COVID-19) a global pandemic and recommended containment and mitigation measures worldwide. The COVID-19 outbreak in the United States has caused business disruption through mandated and voluntary closings of businesses and shelter in place orders for all but those deemed essential services. While the business disruption is currently expected to be temporary, there is considerable uncertainty around the duration of the closings and shelter in place orders. As a result, the outbreak has caused uncertainty in the financial markets. The Watermaster is carefully monitoring the situation and evaluating its options during this time. It is possible that this matter may negatively impact the Watermaster, however, the ultimate financial impact and duration cannot be estimated at this time, and no adjustments have been made to these financial statements as a result of this uncertainty.

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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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, 2020, and the related notes to the financial statements, which collectively comprise the Watermaster's basic financial statements, and have issued our report thereon dated November 12, 2020.

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
November 12, 2020

APPENDIX H

FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21

AND PROPOSED FREE PRODUCTION ALLOWANCE

FOR WATER YEAR 2021-22

APPENDIX H

MARCH 24, 2021

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2021-22
(ALL AMOUNTS IN ACRE-FEET)**

ESTE SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2020-21 FREE PRODUCTION ALLOWANCE ¹				2021-22 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	146	136	70%	282	127	65%
ABSHIRE, DAVID V.	24	2	17	70%	19	16	65%
AHN REVOCABLE LIVING TRUST	0	0	0	70%	0	0	65%
AHN REVOCABLE TRUST	28	21	20	70%	41	19	65%
AHN, CHUN SOO AND DAVID	400	300	280	70%	580	260	65%
AMERICA UNITED DEVELOPMENT, LLC (FORMERLY: PETTIGREW, JAMES AND CHERLYN)	500	375	350	70%	725	325	65%
ANDERSON, ROSS C. AND BETTY J.	34	26	24	70%	50	23	65%
AVILA, ANGEL AND EVALIA	573	430	402	70%	832	373	65%
BAR H MUTUAL WATER COMPANY	53	40	38	70%	78	35	65%
BELL, CHARLES H. TRUST DATED MARCH 7, 2014	494	371	346	70%	717	322	65%
BRACHT, WILLIAM F. AND ALEXANDER, ALICIA M.	50	24	35	70%	59	33	65%
CASA COLINA FOUNDATION	90	68	63	70%	131	59	65%
CENTER WATER COMPANY	40	30	28	70%	58	26	65%
CHUNG, ET AL.	0	0	0	70%	0	0	65%
CLUB VIEW PARTNERS	1,276	957	894	70%	1,851	830	65%
CROSS, SHARON I.	23	18	17	70%	35	15	65%
CROWN CAMBRIA, LLC (FORMERLY: WEISER, ET AL.)	90	64	63	70%	127	59	65%
DACOSTA, DEAN EDWARD	56	42	40	70%	82	37	65%
DAHLQUIST, GEORGE R.	524	393	367	70%	760	341	65%
DESERT DAWN MUTUAL WATER COMPANY	15	0	11	70%	11	10	65%
DESERT SPRINGS MUTUAL WATER COMPANY	78	59	55	70%	114	51	65%
GABRYCH, EUGENE	2,201	1,651	1,541	70%	3,192	1,431	65%
GAETA, MIGUEL AND MARIA	1,500	1,125	1,050	70%	2,175	975	65%
GAETA, TRINIDAD	512	384	359	70%	743	333	65%
GARDENA MISSION CHURCH, INC.	0	0	0	70%	0	0	65%
GAYJIKIAN, SAMUEL AND HAZEL	102	77	72	70%	149	67	65%
GOLDEN STATE WATER COMPANY	178	126	125	70%	251	116	65%

APPENDIX H

MARCH 24, 2021

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2021-22
(ALL AMOUNTS IN ACRE-FEET)**

ESTE SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2020-21 FREE PRODUCTION ALLOWANCE ¹				2021-22 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
GORDON ACRES WATER COMPANY	54	41	38	70%	79	36	65%
GUBLER, HANS	30	23	21	70%	44	20	65%
HARVEY, LISA M.	300	225	210	70%	435	195	65%
HERT, SCOTT	276	207	194	70%	401	180	65%
HI-GRADE MATERIALS COMPANY	442	332	310	70%	642	288	65%
HITCHIN LUCERNE, INC.	16	12	12	70%	24	11	65%
JONES TRUST DATED MARCH 16, 2002	89	67	63	70%	130	58	65%
JUBILEE MUTUAL WATER COMPANY	142	40	100	70%	140	93	65%
JUNIPER RIVIERA COUNTY WATER DISTRICT	37	0	26	70%	26	25	65%
KIM, JU SANG	30	23	21	70%	44	20	65%
LEE, ANNA K. AND ESHBAN K.	33	25	24	70%	49	22	65%
LEE, DOO HWAN	78	59	55	70%	114	51	65%
LOPEZ, BALTAZAR	385	289	270	70%	559	251	65%
LUA, MICHAEL T. AND DONNA S.	348	261	244	70%	505	227	65%
LUCERNE VALLEY MUTUAL WATER COMPANY	54	41	38	70%	79	36	65%
LUCERNE VALLEY PARTNERS	1,213	910	850	70%	1,760	789	65%
LUCERNE VISTA MUTUAL WATER COMPANY	21	15	15	70%	30	14	65%
M.B. LANDSCAPING AND NURSERY, INC.	1,773	1,330	1,242	70%	2,572	1,153	65%
MITSUBISHI CEMENT CORPORATION	1,395	1,047	977	70%	2,024	907	65%
MONACO INVESTMENT COMPANY	70	53	49	70%	102	46	65%
MOSS, LAWRENCE W. AND HELEN J.	43	33	31	70%	64	28	65%
NORRIS TRUST, MARY ANN	73	55	52	70%	107	48	65%
OASIS WORLD MISSION	0	0	0	70%	0	0	65%
OMYA CALIFORNIA, INC.	23	0	17	70%	17	15	65%
PAK, KAE SOO AND MYONG HUI KANG	247	186	173	70%	359	161	65%
PETTIGREW, DAN	22	17	16	70%	33	15	65%
REED, MIKE	58	44	41	70%	85	38	65%
RHEE, ANDREW N.	70	53	49	70%	102	46	65%

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**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2021-22
(ALL AMOUNTS IN ACRE-FEET)**

ESTE SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2020-21 FREE PRODUCTION ALLOWANCE ¹				2021-22 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
ROBERTSON'S READY MIX	0	0	0	70%	0	0	65%
ROYAL WAY	200	150	140	70%	290	130	65%
S AND E 786 ENTERPRISES, LLC	597	448	418	70%	866	389	65%
SABA FAMILY TRUST DATED JULY 24, 2018	1,120	840	784	70%	1,624	728	65%
SAN BERNARDINO COUNTY SERVICE AREA 29	40	0	28	70%	28	26	65%
SON'S RANCH	140	105	98	70%	203	91	65%
SPECIALTY MINERALS, INC.	42	0	30	70%	30	28	65%
SPILLMAN, JAMES R. AND NANCY J.	23	18	17	70%	35	15	65%
THE CUSHENBURY TRUST, C/O SPECIALTY MINERALS, INC.	10	8	7	70%	15	7	65%
WEST END MUTUAL WATER COMPANY	30	22	21	70%	43	20	65%
WILSHIRE ROAD PARTNERS	692	519	485	70%	1,004	450	65%
TOTAL	19,251	14,227	13,499		27,726	12,540	

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FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2021-22
(ALL AMOUNTS IN ACRE-FEET)

OESTE SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2020-21 FREE PRODUCTION ALLOWANCE ¹				2021-22 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	495	429	65%	924	396	60%
CHAMISAL MUTUAL WATER COMPANY	96	72	63	65%	135	58	60%
HANDRINOS, NICOLE A.	7	6	5	65%	11	5	60%
HETTINGA REVOCABLE TRUST	1,302	583	847	65%	1,430	782	60%
PHELAN PIÑON HILLS COMMUNITY SERVICES DISTRICT (SEE NOTE 3)	4,680	3,510	3,042	65%	6,552	2,808	60%
TROEGER FAMILY TRUST, RICHARD H.	112	84	73	65%	157	68	60%
TOTAL	6,857	4,750	4,459		9,209	4,117	

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**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2021-22
(ALL AMOUNTS IN ACRE-FEET)**

ALTO SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2020-21 FREE PRODUCTION ALLOWANCE ¹				2021-22 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	24	25	65%	49	23	60%
AGCON, INC.	384	0	212	55%	212	212	55%
AMERICAN STATES WATER COMPANY	1,000	550	550	55%	1,100	550	55%
APPLE VALLEY FOOTHILL COUNTY WATER DISTRICT	167	37	92	55%	129	92	55%
APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT	125	0	69	55%	69	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	596	596	55%	1,192	596	55%
BASS TRUST, NEWTON T.	514	382	335	65%	717	309	60%
BASTIANON REVOCABLE TRUST	77	57	51	65%	108	47	60%
BEINSCHROTH FAMILY TRUST	275	204	179	65%	383	165	60%
BEINSCHROTH, ANDY ERIC	250	187	163	65%	350	150	60%
BOX, GEARY S. AND LAURA	22	11	15	65%	26	14	60%
BROWN, BOBBY G. AND VALERIA R.	42	31	28	65%	59	26	60%
BROWN, JENNIFER	41	26	27	65%	53	25	60%
BRUNEAU, KAREN	10	8	7	65%	15	6	60%
BRYANT, IAN	29	22	19	65%	41	18	60%
BUNNELL, DICK	24	16	16	65%	32	15	60%
CALMAT COMPANY	25	10	14	55%	24	14	55%
CALPORTLAND COMPANY - AGRICULTURE	643	483	418	65%	901	386	60%
CALPORTLAND COMPANY - ORO GRANDE PLANT	2,809	584	1,545	55%	2,129	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	13	65%	13	12	60%
CEMEX, INC.	1,499	0	825	55%	825	825	55%
DLW REVOCABLE TRUST	70	53	46	65%	99	42	60%
DOLCH LIVING TRUST ROBERT AND JUDITH	90	67	59	65%	126	54	60%
DORA LAND, INC.	15	12	10	65%	22	9	60%

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AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2021-22
(ALL AMOUNTS IN ACRE-FEET)**

ALTO SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2020-21 FREE PRODUCTION ALLOWANCE ¹				2021-22 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
EAST DESERT LAND COMPANY, LLC (SEE NOTE 4)	0						
EVENSON, EDWIN H. AND JOYCELAINE C.	70	53	46	65%	99	42	60%
FEDERAL BUREAU OF PRISONS, VICTORVILLE	686	0	378	55%	378	378	55%
FINCH, JENIFER	30	23	20	65%	43	18	60%
FISCHER REVOCABLE LIVING TRUST	36	26	24	65%	50	22	60%
FISHER TRUST, JEROME R.	633	475	412	65%	887	380	60%
FITZWATER, R. E. (SEE NOTE 4)	291						
FRAZIER, ET AL.	50	38	33	65%	71	30	60%
GOLDEN STATE WATER COMPANY	940	0	517	55%	517	517	55%
GREEN ACRES ESTATES	25	14	14	55%	28	14	55%
GULBRANSON, MERLIN	5	4	4	65%	8	3	60%
HAAS, BRYAN C. AND HINKLE, MARY H.	9	7	6	65%	13	6	60%
HALANNA EQUITIES III	19	6	13	65%	19	12	60%
HAMILTON FAMILY TRUST	108	65	71	65%	136	65	60%
HELENDALE COMMUNITY SERVICES DISTRICT	4,009	650	2,205	55%	2,855	2,205	55%
HELENDALE SCHOOL DISTRICT	18	10	10	55%	20	10	55%
HESPERIA - GOLF COURSE, CITY OF	678	0	373	55%	373	373	55%
HESPERIA VENTURE I, LLC	0	0	0	65%	0	0	60%
HESPERIA WATER DISTRICT	14,171	0	7,795	55%	7,795	7,795	55%
HESPERIA, CITY OF	6,736	3,705	3,705	55%	7,410	3,705	55%
HI-GRADE MATERIALS COMPANY	149	60	82	55%	142	82	55%
HOLWAY JEFFREY R AND PATRICIA GAGE	8	6	6	65%	12	5	60%
HOLWAY, JEFFREY R	11	9	8	65%	17	7	60%
HOLY HEAVENLY LAKE, LLC (FORMERLY: BEEBE, DOROTHEY K.)	6	5	4	65%	9	4	60%
HUNT, CONNIE	66	50	43	65%	93	40	60%
JAMBOREE HOUSING CORPORATION	0	0	0	55%	0	0	55%

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**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2021-22
(ALL AMOUNTS IN ACRE-FEET)**

ALTO SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2020-21 FREE PRODUCTION ALLOWANCE ¹				2021-22 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
JESS RANCH WATER COMPANY	7,230	2,593	3,977	55%	6,570	3,977	55%
JOHNSON, CARLEAN	23	0	15	65%	15	14	60%
JOHNSON, RONALD	31	24	21	65%	45	19	60%
JOHNSTON, HARRIET AND JOHNSTON, LAWRENCE W.	127	82	83	65%	165	77	60%
KANESAKA, KENJI AND YUKARI	0	0	0	65%	0	0	60%
KEMPER CAMPBELL RANCH	473	296	308	65%	604	284	60%
LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT	658	494	428	65%	922	395	60%
LANGLEY, JAMES	5	4	4	65%	8	3	60%
LANGLEY, JAMES - INDUSTRIAL	0	0	0	55%	0	0	55%
LAWSON, ERNEST AND BARBARA	15	11	10	65%	21	9	60%
LENHERT, RONALD AND TONI	37	28	25	65%	53	23	60%
LHC ALLIGATOR, LLC	498	0	324	65%	324	299	60%
LIBERTY UTILITIES (APPLE VALLEY RANCHOS WATER) CORP.	13,610	1,874	7,486	55%	9,360	7,486	55%
LOW, DEAN	199	150	130	65%	280	120	60%
LUCKEY 2010 REVOCABLE TRUST	300	224	195	65%	419	180	60%
MARIANA RANCHOS COUNTY WATER DISTRICT	270	0	149	55%	149	149	55%
MCKINNEY, PAULA	33	25	22	65%	47	20	60%
MLH, LLC	13	6	9	65%	15	8	60%
MOJAVE DESERT LAND TRUST	40	30	26	65%	56	24	60%
MOJAVE WATER AGENCY	0	0	0	55%	0	0	55%
NAVAJO MUTUAL WATER COMPANY	88	49	49	55%	98	49	55%
NUÑEZ, LUIS SEGUNDO	0	0	0	65%	0	0	60%
NUNN FAMILY TRUST	36	26	24	65%	50	22	60%
ORO GRANDE SCHOOL DISTRICT	107	24	59	55%	83	59	55%
PAUSTELL, JOAN BEINSCHROTH	170	128	111	65%	239	102	60%
PERRY REVOCABLE LIVING TRUST, THOMAS AND PATRICIA	0	0	0	65%	0	0	60%
PHELAN PIÑON HILLS COMMUNITY SERVICES DISTRICT	355	196	196	55%	392	196	55%
PITTMAN REVOCABLE TRUST, DIANA J.	148	111	97	65%	208	89	60%

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**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2021-22
(ALL AMOUNTS IN ACRE-FEET)**

ALTO SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2020-21 FREE PRODUCTION ALLOWANCE ¹				2021-22 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
POLICH, DONNA	65	49	43	65%	92	39	60%
RANCHERITOS MUTUAL WATER COMPANY	169	0	93	55%	93	93	55%
RIM PROPERTIES, A GENERAL PARTNERSHIP	9	7	6	65%	13	6	60%
RUE RANCH, INC.	30	16	20	65%	36	18	60%
SAN BERNARDINO COUNTY - HIGH DESERT DETENTION CENTER	0	0	0	55%	0	0	55%
SAN BERNARDINO COUNTY SERVICE AREA 42	465	198	256	55%	454	256	55%
SAN BERNARDINO COUNTY SERVICE AREA 64	3,822	0	2,103	55%	2,103	2,103	55%
SAN BERNARDINO COUNTY SERVICE AREA 70J	1,015	0	559	55%	559	559	55%
SCRAY, MICHELLE A. TRUST	15	11	10	65%	21	9	60%
SERVICE ROCK PRODUCTS CORPORATION	20	11	11	55%	22	11	55%
SHEEP CREEK WATER COMPANY	0	0	0	55%	0	0	55%
SILVER LAKES ASSOCIATION	4,987	242	2,743	55%	2,985	2,743	55%
SNOWBALL DEVELOPMENT, INC.	0	0	0	65%	0	0	60%
SPRING VALLEY LAKE ASSOCIATION	3,768	0	2,073	55%	2,073	2,073	55%
SPRING VALLEY LAKE COUNTRY CLUB	977	46	538	55%	584	538	55%
STORM, RANDALL	62	47	41	65%	88	38	60%
SUDMEIER, GLENN W.	20	14	13	65%	27	12	60%
SUMMIT VALLEY RANCH, LLC	57	35	38	65%	73	35	60%
THOMPSON LIVING TRUST, JAMES A. AND SULA B.	418	311	272	65%	583	251	60%
THOMPSON LIVING TRUST, R.L. AND R.A.	2	2	2	65%	4	2	60%
THRASHER, GARY	373	275	243	65%	518	224	60%
THUNDERBIRD COUNTY WATER DISTRICT	118	0	65	55%	65	65	55%
TRANSAMERICA FIN'L SVC - SPEARS, LARRY B. AND ERLINDA	26	20	17	65%	37	16	60%
VANHOOPS HOLDINGS, LP	360	269	234	65%	503	216	60%
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%

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**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2021-22
(ALL AMOUNTS IN ACRE-FEET)**

ALTO SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2020-21 FREE PRODUCTION ALLOWANCE ¹				2021-22 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
VOGLER, ALBERT H.	62	46	41	65%	87	38	60%
WAGNER LIVING TRUST	1,224	918	796	65%	1,714	735	60%
WAKULA FAMILY TRUST	11	8	8	65%	16	7	60%
WARD, KEN AND BARBARA	65	35	43	65%	78	39	60%
WEST, HOWARD AND SUZY	72	54	47	65%	101	44	60%
WEST, JIMMIE E.	10	7	7	65%	14	6	60%
WESTERN WATER COMPANY	15	12	10	65%	22	9	60%
WESTLAND INDUSTRIES, INC.	54	30	30	55%	60	30	55%
WIENER, MELVIN AND MARIAM S.	30	17	17	55%	34	17	55%
WOOD, MICHAEL AND DENISE	0	0	0	65%	0	0	60%
TOTAL	114,308	17,621	63,646		81,267	63,189	

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**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2021-22
(ALL AMOUNTS IN ACRE-FEET)**

CENTRO SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2020-21 FREE PRODUCTION ALLOWANCE ¹				2021-22 FREE PRODUCTION ALLOWANCE ²	
		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	22	21	70%	43	19	65%
AQUA CAPITAL MANAGEMENT LP	2,106	977	1,475	70%	2,452	1,369	65%
ATCHISON, TOPEKA, SANTA FE RAILWAY COMPANY	120	90	84	70%	174	78	65%
BAR-LEN MUTUAL WATER COMPANY	48	36	34	70%	70	32	65%
BARSTOW COMMUNITY DEVELOPERS, LLC	0	0	0	70%	0	0	65%
BEST, BYRON L.	21	16	15	70%	31	14	65%
BROMMER HOUSE TRUST	361	271	253	70%	524	235	65%
CALMAT COMPANY	0	0	0	70%	0	0	65%
CHAFAR, LARRY R. AND DELINDA C.	46	35	33	70%	68	30	65%
CHOI, YONG IL AND JOUNG AE	38	29	27	70%	56	25	65%
CHONG, JOAN	10	16	7	70%	23	7	65%
CHRISTISON, JOEL	75	57	53	70%	110	49	65%
CONTRATTO, ERSULA	151	113	106	70%	219	99	65%
DARR, JAMES S.	408	306	286	70%	592	266	65%
DE VRIES, NEIL AND MARY FAMILY TRUST	3,800	2,850	2,660	70%	5,510	2,470	65%
DORRANCE, DAVID W. AND TAMELA L.	19	0	14	70%	14	13	65%
EYGNOR, ROBERT E.	50	38	35	70%	73	33	65%
FEDERAL NATIONAL MORTGAGE ASSOCIATION - FANNIE MAE	30	23	21	70%	44	20	65%
FOURFREE USA, INC.	42	24	30	70%	54	28	65%
FRATES, D. COLE	13	0	10	70%	10	9	65%
FRIEND, JOSEPH AND DEBORAH	60	45	42	70%	87	39	65%
GABRYCH, EUGENE	132	99	93	70%	192	86	65%
GAINES FAMILY TRUST, JACK AND MARY	92	69	65	70%	134	60	65%
GOLDEN STATE WATER COMPANY	14,407	10,806	10,085	70%	20,891	9,365	65%
GRILL, NICHOLAS P. AND MILLIE D.	0	0	0	70%	0	0	65%
GUTIERREZ, JOSE AND GLORIA	130	98	91	70%	189	85	65%
HANIFY, MICHAEL D., DBA - WHITE BEAR RANCH	152	54	107	70%	161	99	65%
HARMSSEN FAMILY TRUST	722	542	506	70%	1,048	470	65%

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**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2021-22
(ALL AMOUNTS IN ACRE-FEET)**

CENTRO SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2020-21 FREE PRODUCTION ALLOWANCE ¹				2021-22 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
HARPER LAKE COMPANY VIII	1,433	1,075	1,004	70%	2,079	932	65%
HASKINS, JAMES J.	30	3	21	70%	24	20	65%
HELENDALE COMMUNITY SERVICES DISTRICT	219	52	154	70%	206	143	65%
HENSLEY, MARK P.	27	21	19	70%	40	18	65%
HI DESERT MUTUAL WATER COMPANY	34	26	24	70%	50	23	65%
HIGH DESERT ASSOCIATES, INC.	513	385	360	70%	745	334	65%
HI-GRADE MATERIALS COMPANY	0	0	0	70%	0	0	65%
HILL FAMILY TRUST AND HILL'S RANCH, INC.	2,335	1,752	1,635	70%	3,387	1,518	65%
HOWARD, ET AL.	43	33	31	70%	64	28	65%
HUERTA, HECTOR	656	492	460	70%	952	427	65%
JONES, JOETTE	22	17	16	70%	33	15	65%
JORDAN FAMILY TRUST	460	341	322	70%	663	299	65%
KASNER FAMILY LIMITED PARTNERSHIP	421	316	295	70%	611	274	65%
KIM, JIN S. AND HYUN H.	190	143	133	70%	276	124	65%
LEE, ET AL., SEPOONG AND WOO POONG	77	58	54	70%	112	51	65%
LEYERLY, GENEVA (SEE NOTE 4)	65						
MCCOLLUM, CHARLES L.	115	87	81	70%	168	75	65%
MEAD FAMILY TRUST	115	87	81	70%	168	75	65%
MOJAVE SOLAR, LLC	5,239	3,930	3,668	70%	7,598	3,406	65%
MOST FAMILY TRUST	56	42	40	70%	82	37	65%
ODESSA WATER DISTRICT	299	225	210	70%	435	195	65%
OHAI, REYNOLDS AND DOROTHY	137	103	96	70%	199	90	65%
OSTERKAMP, GEROLD (SEE NOTE 4)	260						
PACIFIC GAS AND ELECTRIC COMPANY	4,474	3,356	3,132	70%	6,488	2,909	65%
RIOS, MARIANO V.	8	6	6	70%	12	6	65%
RIVERO, FIDEL V.	20	15	14	70%	29	13	65%
RUISCH TRUST, DALE W. AND NELLIE H.	650	284	455	70%	739	423	65%

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AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2021-22
(ALL AMOUNTS IN ACRE-FEET)**

CENTRO SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2020-21 FREE PRODUCTION ALLOWANCE ¹				2021-22 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
RUISCH, ET AL. (SEE NOTE 4)	862						
SERVICE ROCK PRODUCTS CORPORATION	766	575	537	70%	1,112	498	65%
SEXTON, RODNEY A. AND SEXTON, DEREK R.	232	174	163	70%	337	151	65%
SOPPELAND REVOCABLE TRUST	478	357	335	70%	692	311	65%
SYNAGRO-WWT, INC. (DBA NURSURY PRODUCTS, LLC)	0	0	0	70%	0	0	65%
TALLAKSON FAMILY REVOCABLE TRUST	17	13	12	70%	25	12	65%
VALENTI, VITO	17	13	12	70%	25	12	65%
VAN DAM REVOCABLE TRUST, E AND S	722	542	506	70%	1,048	470	65%
VAN LEEUWEN, JOHN	1,465	1,099	1,026	70%	2,125	953	65%
VERNOLA TRUST, PAT AND MARY ANN	3,116	2,337	2,182	70%	4,519	2,026	65%
VICTORVILLE WATER DISTRICT, ID#1	796	0	558	70%	558	518	65%
WERNER, ANDREW J.	18	0	13	70%	13	12	65%
WESTERN DEVELOPMENT AND STORAGE, LLC	6	0	5	70%	5	4	65%
WITHEY, CONNIE	22	17	16	70%	33	15	65%
TOTAL	49,477	34,592	33,829		68,421	31,417	

APPENDIX H

MARCH 24, 2021

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2021-22
(ALL AMOUNTS IN ACRE-FEET)**

BAJA SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2020-21 FREE PRODUCTION ALLOWANCE ¹				2021-22 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	8	6	25%	14	5	20%
AHN, CHUN SOO AND WHA JA	50	15	13	25%	28	10	20%
AKE, CHARLES J. AND MARJORIE M.	23	7	6	25%	13	5	20%
ARCHIBEK, ERIC	0	0	0	25%	0	0	20%
ATCHISON, TOPEKA, SANTA FE RAILWAY COMPANY	80	10	20	25%	30	16	20%
BAILEY 2007 LIVING REVOCABLE TRUST, SHERÉ R.	27	9	7	25%	16	6	20%
BARBER, JAMES B.	167	51	42	25%	93	34	20%
BARON, SUSAN AND PALMER, CURTIS	26	8	7	25%	15	6	20%
BENDER TRUST, DOLORES M.	0	0	0	25%	0	0	20%
BORJA, LEONIL T. AND TITAL L.	20	6	5	25%	11	4	20%
BREDELIS, RONALD C. AND JEAN	64	11	16	25%	27	13	20%
BUBIER, DIANE GAIL	54	17	14	25%	31	11	20%
BUDGET FINANCE COMPANY	32	10	8	25%	18	7	20%
BUSH, KEVIN	0	0	0	25%	0	0	20%
CALICO LAKES HOMEOWNERS ASSOCIATION	1,296	389	324	25%	713	260	20%
CALIFORNIA DEPARTMENT OF TRANSPORTATION	71	22	18	25%	40	15	20%
CALMAT COMPANY	0	0	0	25%	0	0	20%
CAMANGA, TONY AND MARIETTA	47	15	12	25%	27	10	20%
CAMPBELL, M. A. AND DIANNE	22	7	6	25%	13	5	20%
CARLTON, SUSAN	155	47	39	25%	86	31	20%
CDFW - CAMP CADY	921	277	231	25%	508	185	20%
CHEYENNE LAKE, INC.	665	200	167	25%	367	133	20%
CLARK, ARTHUR	50	15	13	25%	28	10	20%
CLARK, GARY AND BETH A. (FORMERLY: NEWBERRY SPRINGS RECREATIONAL ASSOCIATION)	0	45	0	25%	45	0	20%
CONNER, WILLIAM H.	25	8	7	25%	15	5	20%
CORBRIDGE, LINDA S.	32	10	8	25%	18	7	20%
CROSS, FRANCIS AND BEVERLY	40	12	10	25%	22	8	20%

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**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2021-22
(ALL AMOUNTS IN ACRE-FEET)**

BAJA SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2020-21 FREE PRODUCTION ALLOWANCE ¹				2021-22 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
CRYSTAL LAKES PROPERTY OWNERS ASSOCIATION	844	254	211	25%	465	169	20%
DAGGETT COMMUNITY SERVICES DISTRICT	304	0	76	25%	76	61	20%
DAGGETT RANCH, LLC	76	7	19	25%	26	16	20%
DE JONG FAMILY TRUST	3,131	534	783	25%	1,317	627	20%
DENNISON, QUENTIN D. - CLEGG, FRIZELL AND JOKE	29	9	8	25%	17	6	20%
DONALDSON, JERRY AND BEVERLY	90	27	23	25%	50	18	20%
DOWELL, LEONARD	23	7	6	25%	13	5	20%
EVERT FAMILY TRUST	173	48	44	25%	92	35	20%
FEJFAR, MONICA KAY	20	6	5	25%	11	4	20%
FERNANDEZ, ARTURO	76	23	19	25%	42	16	20%
FERRO, DENNIS AND NORMA	32	10	8	25%	18	7	20%
FIRST CPA LLC	57	16	15	25%	31	12	20%
FOOTHILL ESTATES MHP, LLC	54	0	14	25%	14	11	20%
FUNDAMENTAL CHRISTIAN ENDEAVORS, INC.	425	128	107	25%	235	85	20%
GABRYCH, EUGENE	1,637	270	410	25%	680	328	20%
GARCIA, DANIEL	23	7	6	25%	13	5	20%
GARG, OM P.	483	145	121	25%	266	97	20%
GENON CALIFORNIA SOUTH, LP (SEE NOTE 5)	0	139	0	25%	139	0	20%
GRAY, GEORGE F. AND BETTY E.	94	29	24	25%	53	19	20%
HACKBARTH, EDWARD E.	1,517	171	380	25%	551	304	20%
HANSON AGGREGATES WRP, INC.	31	10	8	25%	18	7	20%
HARESON, NICHOLAS AND MARY	8	3	2	25%	5	2	20%
HARTER, JOE AND SUE	5,234	498	1,309	25%	1,807	1,047	20%
HASS, PAULINE L.	35	10	9	25%	19	7	20%
HAWKINS, JAMES B.	854	0	214	25%	214	171	20%
HENDLEY, RICK AND BARBARA	48	15	12	25%	27	10	20%
HIETT, HARRY L.	29	8	8	25%	16	6	20%

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**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2021-22
(ALL AMOUNTS IN ACRE-FEET)**

BAJA SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2020-21 FREE PRODUCTION ALLOWANCE ¹				2021-22 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
HILARIDES 1998 REVOCABLE FAMILY TRUST	303	89	76	25%	165	61	20%
HO, TING-SENG AND AH-GIT	300	90	75	25%	165	60	20%
HOLLISTER, ROBERT H. AND RUTH M.	44	14	11	25%	25	9	20%
HONG, PAUL B. AND MAY	85	26	22	25%	48	17	20%
HOOD FAMILY TRUST	41	13	11	25%	24	9	20%
HORTON, JOHN	242	73	61	25%	134	49	20%
HORTON'S CHILDREN'S TRUST	199	0	50	25%	50	40	20%
HUBBARD, ESTER AND MIZUNO, ARLEAN	28	9	7	25%	16	6	20%
HUNT, RALPH M. AND LILLIAN F.	51	16	13	25%	29	11	20%
HYATT, JAMES AND BRENDA	210	57	53	25%	110	42	20%
IM, NICHOLAS NAK-KYUN	397	120	100	25%	220	80	20%
IRVIN, BERTRAND W.	29	9	8	25%	17	6	20%
ITALMOOD INC., ET. AL.	190	57	48	25%	105	38	20%
JACKS, JAMES F.	10	3	3	25%	6	2	20%
JACKSON, JAMES N. JR REVOCABLE LIVING TRUST	54	17	14	25%	31	11	20%
JACKSON, RAY REVOCABLE TRUST NO. 45801	1	1	1	25%	2	1	20%
KARIMI, HOOSHANG	70	21	18	25%	39	14	20%
KASNER FAMILY LIMITED PARTNERSHIP	843	0	211	25%	211	169	20%
KASNER, ROBERT	5,713	0	1,429	25%	1,429	1,143	20%
KATCHER, AUGUST M. AND MARCELINE	23	7	6	25%	13	5	20%
KEMP, ROBERT AND ROSE	32	10	8	25%	18	7	20%
KIM, JOON HO AND MAL BOON REVOCABLE TRUST	764	230	191	25%	421	153	20%
KIM, SEON JA	50	15	13	25%	28	10	20%
KOEGLER, RONALD R. AND CAROLYN V.	26	7	7	25%	14	6	20%
KOERING, RICHARD AND KOERING, DONNA	20	6	5	25%	11	4	20%
KOSHAREK, JOHN AND JOANN	54	17	14	25%	31	11	20%
LAKE JODIE PROPERTY OWNERS ASSOCIATION	454	44	114	25%	158	91	20%
LAKE WAIKIKI	98	30	25	25%	55	20	20%

APPENDIX H

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**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2021-22
(ALL AMOUNTS IN ACRE-FEET)**

BAJA SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2020-21 FREE PRODUCTION ALLOWANCE ¹				2021-22 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
LAKE WAINANI OWNERS ASSOCIATION	1,725	469	432	25%	901	345	20%
LAM, PHILLIP	105	32	27	25%	59	21	20%
LANGLEY, MICHAEL R. AND SHARON	20	2	5	25%	7	4	20%
LAVANH, ET AL.	24	8	6	25%	14	5	20%
LAWRENCE, WILLIAM W.	45	14	12	25%	26	9	20%
LEE, VIN JANG T.	630	189	158	25%	347	126	20%
LEM, HOY	32	10	8	25%	18	7	20%
LIANG, YUAN - I AND TZU - MEI CHEN	200	60	50	25%	110	40	20%
LIBERTY UTILITIES (APPLE VALLEY RANCHOS WATER) CORP.	453	136	114	25%	250	91	20%
LIN, KUAN JUNG AND CHUNG, DER-BING	451	136	113	25%	249	91	20%
LO, ET AL.	59	0	15	25%	15	12	20%
M BIRD CONSTRUCTION	41	13	11	25%	24	9	20%
MAHJOUBI, AFSAR S.	63	19	16	25%	35	13	20%
MALONEY, JANICE	36	11	9	25%	20	8	20%
MANNING, SHARON S.	63	11	16	25%	27	13	20%
MARCROFT, JAMES A. AND JOAN	38	0	10	25%	10	8	20%
MARSHALL, CHARLES	20	6	5	25%	11	4	20%
MARTIN, MICHAEL D. AND ARLENE D.	63	5	16	25%	21	13	20%
MILBRAT, IRVING H.	73	14	19	25%	33	15	20%
MILLER LIVING TRUST	18	6	5	25%	11	4	20%
MIZRAHIE, ET AL.	145	44	37	25%	81	29	20%
MOJAVE WATER AGENCY (FORMERLY: GENON CALIFORNIA SOUTH, LP)	7,194	1,559	1,799	25%	3,358	1,439	20%
MORRIS TRUST, JULIA V.	304	91	76	25%	167	61	20%
MULLIGAN, ROBERT AND INEZ	35	11	9	25%	20	7	20%
MURPHY, JEAN	24	7	6	25%	13	5	20%
MUSIC, ZAJO (FORMERLY: KOROGHLIAN, TED AND NAJWA)	15	5	4	25%	9	3	20%
NEW SPRINGS LIMITED PARTNERSHIP	2,329	699	583	25%	1,282	466	20%

APPENDIX H

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**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2021-22
(ALL AMOUNTS IN ACRE-FEET)**

BAJA SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2020-21 FREE PRODUCTION ALLOWANCE ¹				2021-22 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	6	25%	6	5	20%
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	1	1	1	25%	2	1	20%
NSSLC, INC.	109	33	28	25%	61	22	20%
O. F. D. L., INC.	443	133	111	25%	244	89	20%
P AND H ENGINEERING AND DEVELOPMENT CORPORATION	667	201	167	25%	368	134	20%
PATINO, JOSÉ	22	7	6	25%	13	5	20%
PEARCE, CRAIG L.	150	0	38	25%	38	30	20%
PERKO, BERT K.	132	40	33	25%	73	27	20%
POLAND, JOHN R. AND KATHLEEN A.	92	28	23	25%	51	19	20%
PORTER, TIMOTHY M.	30	9	8	25%	17	6	20%
PRECISION INVESTMENTS SERVICES, LLC	845	222	212	25%	434	169	20%
PRICE, DONALD AND RUTH	42	13	11	25%	24	9	20%
PRUETT, ANDREA	36	11	9	25%	20	8	20%
QUAKENBUSH, SAMUEL R.	19	6	5	25%	11	4	20%
QUIROS, FRANCISCO J. AND HERRMANN, RONALD	38	11	10	25%	21	8	20%
RICE, HENRY C. AND DIANA	24	8	6	25%	14	5	20%
RIZVI, S.R ALI	27	9	7	25%	16	6	20%
ROSSI, JAMES L. AND NAOMI I.	614	0	154	25%	154	123	20%
S AND B BROTHERS, LLC	221	32	56	25%	88	45	20%
SAGABEAN-BARKER, KANOELOKELANI L.	34	7	9	25%	16	7	20%
SAMPLES, BERNARD D. AND JANICE E.	43	13	11	25%	24	9	20%
SAMRA, JAGTAR S.	30	9	8	25%	17	6	20%
SAN BERNARDINO CO BARSTOW - DAGGETT AIRPORT	168	51	42	25%	93	34	20%
SERVICE ROCK PRODUCTS CORPORATION	0	0	0	25%	0	0	20%
SHENG, JEN	33	10	9	25%	19	7	20%
SHEPPARD, THOMAS AND GLORIA	217	66	55	25%	121	44	20%
SHORT, JEROME E.	30	0	8	25%	8	6	20%
SINGH, ET AL.	31	10	8	25%	18	7	20%

APPENDIX H

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**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2021-22
(ALL AMOUNTS IN ACRE-FEET)**

BAJA SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2020-21 FREE PRODUCTION ALLOWANCE ¹				2021-22 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
SMITH, DENISE DBA AMEREQUINE BEAUTY, INC	0	0	0	25%	0	0	20%
SMITH, PORTER AND ANITA	25	8	7	25%	15	5	20%
SOUTHERN CALIFORNIA EDISON COMPANY	600	180	150	25%	330	120	20%
SOUTHERN CALIFORNIA GAS COMPANY	98	30	25	25%	55	20	20%
SPERRY, WESLEY	4	2	1	25%	3	1	20%
ST. ANTONY COPTIC ORTHODOX MONASTERY	130	39	33	25%	72	26	20%
STARKE, GEORGE A. AND JAYNE E.	23	7	6	25%	13	5	20%
SUNDOWN LAKES, INC.	523	157	131	25%	288	105	20%
SUNRAY LAND COMPANY, LLC	63	19	16	25%	35	13	20%
SZYNKOWSKI, RUTH J.	29	9	8	25%	17	6	20%
TAPIE, RAYMOND L.	18	6	5	25%	11	4	20%
TEISAN, JERRY	96	29	24	25%	53	20	20%
THAYER, SHARON	97	24	25	25%	49	20	20%
THOMAS, STEPHEN AND LORI	49	15	13	25%	28	10	20%
TRIPLE H PARTNERSHIP	218	66	55	25%	121	44	20%
TURNER, TERRY	30	9	8	25%	17	6	20%
UNION PACIFIC RAILROAD COMPANY	249	75	63	25%	138	50	20%
VACA, ANDY AND TERESITA S.	20	6	5	25%	11	4	20%
VAN BASTELAAR, ALPHONSE	78	0	20	25%	20	16	20%
VAN DAM FAMILY TRUST, GLEN AND JENNIFER	7,274	559	1,819	25%	2,378	1,455	20%
VAN LEEUWEN, JOHN	2,018	606	505	25%	1,111	404	20%
VANDER DUSSEN TRUST, AGNES AND EDWARD	1,792	460	448	25%	908	359	20%
WANG, STEVEN	10	3	3	25%	6	2	20%
WARD, RAYMOND	105	0	27	25%	27	21	20%
WEEMS, LIZZIE	53	16	14	25%	30	11	20%
WEERAISINGHE, MAITHRI N.	15	5	4	25%	9	3	20%
WESTERN HORIZON ASSOCIATES, INC.	1,363	0	341	25%	341	273	20%
WET SET, INC.	547	165	137	25%	302	110	20%

APPENDIX H

MARCH 24, 2021

**FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2020-21
AND
PROPOSED FREE PRODUCTION ALLOWANCE FOR WATER YEAR 2021-22
(ALL AMOUNTS IN ACRE-FEET)**

BAJA SUBAREA

PRODUCER	BASE ANNUAL PRODUCTION	2020-21 FREE PRODUCTION ALLOWANCE ¹				2021-22 FREE PRODUCTION ALLOWANCE ²	
		CARRYOVER FROM PREVIOUS YEAR	FREE PRODUCTION ALLOWANCE		TOTAL	ACRE-FEET	PERCENTAGE OF BAP
			ACRE-FEET	PERCENTAGE OF BAP			
WITTE, E. DANIEL AND MARCIA	27	9	7	25%	16	6	20%
WLSR, INC.	471	142	118	25%	260	95	20%
WORSEY, JOSEPH A. AND REVAE	29	9	8	25%	17	6	20%
TOTAL	63,929	11,696	16,042		27,738	12,839	

NOTES FOR APPENDIX H

- 1 FREE PRODUCTION ALLOWANCE IS EQUAL TO 70% OF BASE ANNUAL PRODUCTION FOR THE ESTE AND CENTRO SUBAREAS, 65% OF BASE ANNUAL PRODUCTION FOR THE OESTE SUBAREA, 25% OF BASE ANNUAL PRODUCTION FOR THE BAJA SUBAREA AND 65% OF BASE ANNUAL PRODUCTION FOR AGRICULTURAL PRODUCERS AND 55% OF BASE ANNUAL PRODUCTION FOR ALL OTHER PRODUCERS IN THE ALTO SUBAREA FOR 2020-21 BASED ON THE COURT ORDERS DATED JUNE 12, 2020 AND AUGUST 13, 2020. 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 2021-22 (SUBJECT TO COURT APPROVAL).

ESTE SUBAREA: FREE PRODUCTION ALLOWANCE IS EQUAL 65% OF BASE ANNUAL PRODUCTION FOR THE 2021-22 WATER YEAR.

OESTE SUBAREA: FREE PRODUCTION ALLOWANCE IS EQUAL 60% OF BASE ANNUAL PRODUCTION FOR THE 2021-22 WATER YEAR.

ALTO SUBAREA: FREE PRODUCTION ALLOWANCE IS EQUAL 60% OF BASE ANNUAL PRODUCTION FOR AGRICULTURAL PRODUCERS AND 55% OF BASE ANNUAL PRODUCTION FOR ALL OTHER PRODUCERS IN THE ALTO SUBAREA FOR THE 2021-22 WATER YEAR. 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 65% OF BASE ANNUAL PRODUCTION FOR THE 2021-22 WATER YEAR.

BAJA SUBAREA: FREE PRODUCTION ALLOWANCE IS EQUAL 20% OF BASE ANNUAL PRODUCTION FOR THE 2021-22 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 CARRYOVER SHOWN FOR GENON CALIFORNIA SOUTH, LP IS NOT TRANSFERRABLE PURSUANT TO THE PURCHASE AND SALE AGREEMENT WITH MOJAVE WATER AGENCY DATED SEPTEMBER 12, 2019.

APPENDIX I

AMENDED APPENDIX B FOR WATER YEAR 2018-19

RECONCILED FOR CARRYOVER TRANSFERS IN LIEU OF

PAYMENT OF REPLACEMENT AND MAKEUP WATER ASSESSMENTS

AND ALL OTHER ERRATA

APPENDIX I

MARCH 24, 2021

AMENDED APPENDIX B FOR WATER YEAR 2018-19
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	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	
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	63	63	63	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	(115)	(138)	387	0	182	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	34	34	34	0	0	0	0.00	0.00	0.00	0.00
CLUB VIEW PARTNERS	1,276	1,021	1,021	(21)	(9)	2,012	0	1,012	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	8	20	20	0	0	12	0.00	0.00	0.00	0.00
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	(15)	2,385	97	1,185	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	9	9	9	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	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	34	70	70	0	0	36	0.00	0.00	0.00	0.00

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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	MAKEUP	TOTAL
				2017-18	2018-19							WATER	WATER	
				CARRYOVER ³	FPA ⁴							\$591.00/AF	N/A	
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)	(172)	1,939	322	944	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	66	66	66	0	0	0	0.00	0.00	0.00	0.00
OMYA CALIFORNIA, INC.	23	19	0	0	5	24	24	0	0	19	0.00	0.00	0.00	0.00
PAK, KAE SOO AND MYONG HUI KANG	247	198	198	(27)	(34)	335	67	164	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	124	124	124	0	0	0	0.00	0.00	0.00	0.00
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	9	41	41	0	0	32	0.00	0.00	0.00	0.00
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	9	43	43	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	15	87	87	0	0	72	0.00	0.00	0.00	0.00
WEST END MUTUAL WATER COMPANY	30	24	23	(12)	(8)	27	13	14	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	14,708	0	3,653	0.00	0.00	0.00	0.00

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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

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				2017-18 CARRYOVER ³	2018-19 FPA ⁴							WATER	WATER		
												\$591.00/AF	\$591.00/AF		
ADELANTO, CITY OF	5,182	3,110	0	94	660	3,864	3,864	0	0	3,204	0.00	0.00	0.00	0.00	
ADES, JOHN AND DEVON	37	30	24	(24)	(25)	5	5	0	0	5	0.00	0.00	0.00	0.00	
AGCON, INC.	384	231	0	0	83	314	314	0	0	231	0.00	0.00	0.00	0.00	
AMERICAN STATES WATER COMPANY	1,000	600	600	(600)	(600)	0	0	0	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	0.00	0.00	0.00	0.00	
APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT	125	75	0	29	0	104	101	3	0	101	0.00	0.00	0.00	0.00	
APPLE VALLEY UNIFIED SCHOOL DISTRICT	0	0	0	0	27	27	27	0	0	0	0.00	0.00	0.00	0.00	
APPLE VALLEY VIEW MUTUAL WATER COMPANY	36	22	0	0	0	22	22	0	0	22	0.00	0.00	0.00	0.00	
APPLE VALLEY, TOWN OF	1,082	650	563	0	0	1,213	468	650	0	468	0.00	0.00	0.00	0.00	
BASS TRUST, NEWTON T.	514	412	410	(410)	(409)	3	3	0	0	3	0.00	0.00	0.00	0.00	
BASTIANON REVOCABLE TRUST	77	62	61	(61)	(61)	1	1	0	0	1	0.04	0.00	23.64	23.64	
BEEBE, ROBERT W. AND DOROTHY K.	6	5	5	(5)	(5)	0	0	0	0	0	0.00	0.00	0.00	0.00	
BEINSCHROTH FAMILY TRUST	25	20	0	0	(20)	0	0	0	0	0	0.00	0.00	0.00	0.00	
BEINSCHROTH FAMILY TRUST	670	536	593	(593)	0	536	8	528	0	8	0.00	0.00	0.00	0.00	
BOX, GEARY S. AND LAURA	22	18	18	(18)	0	18	5	13	0	5	0.00	0.00	0.00	0.00	
BROWN, BOBBY G. AND VALERIA R.	42	34	33	(33)	(33)	1	1	0	0	1	0.04	0.00	23.64	23.64	
BROWN, JENNIFER	41	33	29	(29)	0	33	6	27	0	6	0.00	0.00	0.00	0.00	
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)	(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	0.08	0.00	47.28	47.28	
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	(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	0.00	0.00	0.00	0.00	
CDFW - MOJAVE NARROWS REGIONAL PARK	2,107	1,265	0	0	325	1,590	1,590	0	0	1,265	0.14	0.00	82.74	82.74	
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	220	1,120	1,120	0	0	900	0.00	0.00	0.00	0.00	
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)	(56)	0	0	0	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)	(12)	0	0	0	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	

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				2017-18 CARRYOVER ³	2018-19 FPA ⁴							WATER	WATER	
												\$591.00/AF	\$591.00/AF	
FISHER TRUST, JEROME R.	633	507	507	(507)	(188)	319	0	319	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	275	839	839	0	0	564	0.00	0.00	0.00	0.00
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)	(8)	0	0	0	0	0	0.00	0.00	0.00	0.00
HALANNA EQUITIES III	19	16	10	(10)	(12)	4	4	0	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)	108	2,348	1,479	1,029	0	1,479	0.00	0.00	0.00	0.00
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	140	547	547	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	591.00	0.00	591.00
HESPERIA WATER DISTRICT	14,171	8,503	0	130	4,612	13,245	13,245	0	0	8,932	0.00	0.00	0.00	0.00
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)	(72)	18	18	0	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	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)	(3,354)	1,492	1,492	0	0	1,492	0.00	0.00	0.00	0.00
JOHNSON, CARLEAN	23	19	3	0	3	25	25	0	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	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	0.00	0.00	0.00	0.00
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)	(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	11	(11)	(11)	1	1	0	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	0.00	0.00	0.00	0.00
LOW, DEAN	199	160	160	(160)	0	160	0	160	0	0	0.00	0.00	0.00	0.00

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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	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	\$591.00/AF		
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	45	207	207	0	0	162	0.00	0.00	0.00	0.00	
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	0.00	0.00	0.00	0.00	
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)	(28)	1	1	0	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	1	1	1	0	0	0	0.00	0.00	0.00	0.00	
PHELAN PIÑON HILLS COMMUNITY SERVICES DISTRICT	355	213	123	0	0	336	129	207	0	129	0.00	0.00	0.00	0.00	
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	0.00	1,773.00	0.00	1,773.00	
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, INC.	30	24	24	(24)	(15)	9	9	0	0	9	0.34	0.00	200.94	200.94	
SAN BERNARDINO COUNTY - HIGH DESERT DETENTION CENTE	0	0	0	0	188	188	188	0	0	0	0.00	0.00	0.00	0.00	
SAN BERNARDINO COUNTY SERVICE AREA 42	465	279	213	(213)	(225)	54	54	0	0	54	0.00	0.00	0.00	0.00	
SAN BERNARDINO COUNTY SERVICE AREA 64	3,822	2,294	0	462	(139)	2,617	2,617	0	0	2,617	0.00	0.00	0.00	0.00	
SAN BERNARDINO COUNTY SERVICE AREA 70J	1,015	609	0	213	703	1,525	1,524	0	0	822	0.00	0.00	0.00	0.00	
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	0.00	142,431.00	0.00	142,431.00	
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	0	2,261	2,140	121	0	2,140	0.00	0.00	0.00	0.00	
SPRING VALLEY LAKE COUNTRY CLUB	977	587	35	188	0	810	560	250	0	560	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	0.04	0.00	23.64	23.64	
SUMMIT VALLEY RANCH, LLC	57	46	27	(27)	(43)	3	3	0	0	3	0.11	0.00	65.01	65.01	
THOMPSON LIVING TRUST, JAMES A. AND SULA B.	418	335	334	(334)	(256)	79	4	75	0	4	0.00	0.00	0.00	0.00	
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 I

MARCH 24, 2021

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				2017-18	2018-19										
				CARRYOVER ³	FPA ⁴										
THRASHER, GARY	373	299	284	(284)	(291)	8	8	0	0	8	0.00	0.00	0.00	0.00	
THUNDERBIRD COUNTY WATER DISTRICT	118	71	0	0	38	109	109	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	192	336	336	0	0	144	0.00	0.00	0.00	0.00	
VICTOR VALLEY MEMORIAL PARK	0	0	0	0	41	41	41	0	0	0	0.00	0.00	0.00	0.00	
VICTORVILLE WATER DISTRICT, ID#1 (SEE NOTE 13)	23,020	13,812	0	42	2,726	16,580	18,368	0	1,788	14,266	0.00	1,056,708.00	0.00	1,056,708.00	
VICTORVILLE WATER DISTRICT, ID#2 (SEE NOTE 13)	2,932	1,760	0	0	3,040	4,800	4,800	0	0	1,760	0.00	0.00	0.00	0.00	
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)	(980)	0	0	0	0	0	0.00	0.00	0.00	0.00	
WAKULA FAMILY TRUST	11	9	9	(9)	(8)	1	1	0	0	1	0.04	0.00	23.64	23.64	
WARD, KEN AND BARBARA	65	52	36	(36)	(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	0.04	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	12	12	12	0	0	0	0.00	0.00	0.00	0.00	
TOTAL	114,308	70,229	20,813	(15,361)	558	76,239	69,782	9,460	2,102	53,895	9.06	1,242,282.00	5,354.46	1,247,636.46	

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				2017-18 CARRYOVER ³	2018-19 FPA ⁴									
APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT	29	24	24	(24)	(15)	9	0	9	0	0	0.00	0.00	0.00	0.00
AQUA CAPITAL MANAGEMENT, LP	2,106	1,709	1,869	(1,869)	(1,685)	24	0	0	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	6	6	6	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	259	(259)	(23)	266	0	266	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
CHAFI, 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)	(120)	1	1	0	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 MAE	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)	(313)	19,233	5,494	11,213	0	5,494	0.00	0.00	0.00	0.00
GRILL, NICHOLAS P. AND MILLIE D. (SEE NOTE 15)	0	0	0	0	124	124	99	0	0	0	0.00	0.00	0.00	0.00
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)	(122)	0	0	0	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

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				2017-18	2018-19							WATER	WATER	
				CARRYOVER ³	FPA ⁴							\$591.00/AF	N/A	
HI-GRADE MATERIALS COMPANY	0	0	0	0	4	4	2	0	0	0	0.00	0.00	0.00	0.00
HILL FAMILY TRUST AND HILL'S RANCH, INC.	2,335	1,868	1,868	(1,239)	(375)	2,122	30	1,493	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)	(364)	4	4	0	0	4	0.00	0.00	0.00	0.00
KASNER FAMILY LIMITED PARTNERSHIP	421	337	337	(213)	(116)	345	0	221	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						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)	(383)	357	1	0	0	1	0.00	0.00	0.00	0.00
SYNAGRO-WWT, INC. (DBA NURSURY PRODUCTS, LLC)	0	0	0	0	10	10	5	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	(116)	(124)	916	158	454	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

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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 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)	(4,604)	65,769	18,231	33,710	0	17,576	0.00	0.00	0.00	0.00

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AND ALL OTHER ERRATA**

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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	112	219	219	0	0	107	0.00	0.00	0.00	0.00
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
DOCIMO LIVING TRUST, ALLEN LEE	0	0	28	(28)	0	0	0	0	0	0	0.00	0.00	0.00	0.00

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				2017-18 CARRYOVER ³	2018-19 FPA ⁴							WATER	WATER		
												\$591.00/AF	N/A		
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	14	33	33	0	0	19	0.00	0.00	0.00	0.00	
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	(53)	1,031	865	166	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	(50)	3,650	2,408	1,242	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)	(11)	2	1	0	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)	(62)	23	0	23	0	0	0.00	0.00	0.00	0.00	
HORTON'S CHILDREN'S TRUST	199	70	0	3	31	104	96	0	0	73	0.00	0.00	0.00	0.00	
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	
ITALMOOD INC., ET. AL.	190	67	76	0	0	143	46	67	0	46	0.00	0.00	0.00	0.00	

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				2017-18 CARRYOVER ³	2018-19 FPA ⁴							WATER	WATER		
												\$591.00/AF	N/A		
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)	(14)	22	0	5	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	767	1,063	1,063	0	0	296	0.00	0.00	0.00	0.00	
KASNER, ROBERT (SEE NOTE 15)	5,713	2,000	1,682	984	(767)	3,899	3,381	518	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	(3)	436	292	106	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	2	12	12	0	0	10	0.00	0.00	0.00	0.00	
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	(70)	80	0	0	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	19	42	42	0	0	23	0.00	0.00	0.00	0.00	
MILBRAT, IRVING H.	73	26	30	0	0	56	31	25	0	31	0.00	0.00	0.00	0.00	

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				2017-18 CARRYOVER ³	2018-19 FPA ⁴							WATER	WATER	
												\$591.00/AF	N/A	
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)	(112)	915	0	704	0	0	0.00	0.00	0.00	0.00
NEWBERRY COMMUNITY SERVICES DISTRICT	23	9	3	0	3	15	15	0	0	12	0.00	0.00	0.00	0.00
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	1,085	380	2	2	0	384	0	380	0	0	0.00	0.00	0.00	0.00
NSSLIC, 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	1	35	35	0	0	34	0.00	0.00	0.00	0.00
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	53	376	376	0	0	323	0.00	0.00	0.00	0.00
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
SHORT, JEROME E.	30	11	7	0	0	18	17	1	0	17	0.00	0.00	0.00	0.00

**AMENDED APPENDIX B FOR WATER YEAR 2018-19
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	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	
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	82	82	82	0	0	0	0.00	0.00	0.00	0.00
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	78	106	106	0	0	28	0.00	0.00	0.00	0.00
VAN DAM FAMILY TRUST, GLEN AND JENNIFER	5,430	1,901	1,482	0	(51)	3,332	2,367	965	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
WEERASINGHE, 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	79	737	737	0	0	658	0.00	0.00	0.00	0.00
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)	48	42,463	21,162	16,178	13	19,916	0.00	7,683.00	0.00	7,683.00

APPENDIX I - SUMMARY

MARCH 24, 2021

AMENDED APPENDIX B FOR WATER YEAR 2018-19
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	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	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	14,708	0	3,653	0.00	0.00	0.00	0.00
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)	558	76,239	69,782	9,460	2,102	53,895	9.06	1,242,282.00	5,354.46	1,247,636.46
CENTRO	49,477	38,652	37,268	(5,547)	(4,604)	65,769	18,231	33,710	0	17,576	0.00	0.00	0.00	0.00
BAJA	63,929	22,454	21,020	(1,059)	48	42,463	21,162	16,178	13	19,916	0.00	7,683.00	0.00	7,683.00
GRAND TOTAL	253,822	152,244	98,750	(22,365)	(3,998)	224,631	116,584	78,953	2,115	98,420	9.06	1,249,965.00	5,354.46	1,255,319.46

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 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 THE 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 J

MOJAVE BASIN AREA WATERMASTER

NOTICE LIST

APPENDIX J

MARCH 24, 2021

**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 HOUSE TRUST	MARVIN 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.	PEDRO DUMAUA	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 LAKES HOMEOWNERS ASSOCIATION	SHANNA GHALE
AKE, CHARLES J. AND MARJORIE M.	CHARLES J. AND MARJORIE M. AKE	CALIFORNIA DEPARTMENT OF TRANSPORTATION	MICHAEL P. NAZE
AMERICA UNITED DEVELOPMENT, LLC	PAUL TSAI	CALMAT COMPANY	ROBERT W. BOWCOCK
AMERICAN STATES WATER COMPANY	ANA CHAVEZ	CALMAT COMPANY	ROBERT W. BOWCOCK
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	CALPORTLAND COMPANY - AGRICULTURE	CATALINA FERNANDEZ-MOORES
APPLE VALLEY HEIGHTS COUNTY WATER DISTRICT	MATTHEW PATTERSON	CALPORTLAND COMPANY - ORO GRANDE PLANT	CATALINA FERNANDEZ-MOORES
APPLE VALLEY UNIFIED SCHOOL DISTRICT	MATHEW SCHULENBERG	CAMANGA, TONY AND MARIETTA	TONY CAMANGA
APPLE VALLEY VIEW MUTUAL WATER COMPANY	EMELY AND JOE SALTMERIS	CAMPBELL, M. A. AND DIANNE	MYRON CAMPBELL II
APPLE VALLEY, TOWN OF	TINA KUHNS	CARLTON, SUSAN	SUSAN CARLTON
AQUA CAPITAL MANAGEMENT LP	DAVID L. PENRICE	CASA COLINA FOUNDATION	KEVIN MANGOLD
ARCHIBEK, ERIC	ERIC ARCHIBEK	CDFW - CAMP CADY	DANIELLE STEWART
ATCHISON, TOPEKA, SANTA FE RAILWAY COMPANY	BLAINE BILDERBACK	CDFW - MOJAVE NARROWS REGIONAL PARK	JARED BEYELER
AVILA, ANGEL AND EVALIA	ANGEL AND EVALIA AVILA	CDFW - MOJAVE RIVER FISH HATCHERY	PACO CABRAL
BAILEY 2007 LIVING REVOCABLE TRUST, SHERÉ R.	SHERÉ R. BAILEY	CEMEX, INC.	ALEJANDRA SILVA
BAR H MUTUAL WATER COMPANY	DANIEL SHAW	CENTER WATER COMPANY	MARY TARRAB
BARBER, JAMES B.	JAMES B. BARBER	CHAFa, LARRY R. AND DELINDA C.	ALLEN ROZELL CHERIE KRACK
BAR-LEN MUTUAL WATER COMPANY	CASEY SLUSSER	CHAMISAL MUTUAL WATER COMPANY	MARY M ROSS
BARON, SUSAN AND PALMER, CURTIS	CURTIS PALMER	CHEYENNE LAKE, INC.	CARL PUGH
BARSTOW COMMUNITY DEVELOPERS, LLC	TEDDI MORAD	CHOI, YONG IL AND JOUNG AE	YONG IL AND JOUNG AE CHOI
BASS TRUST, NEWTON T.	BARBARA DAVISON	CHONG, JOAN	JOAN CHONG
BASTIANON REVOCABLE TRUST	REMO E. BASTIANON	CHRISTISON, JOEL	JOEL CHRISTISON
BEINSCHROTH FAMILY TRUST	MIKE BEINSCHROTH	CHUNG, ET AL.	HWA-YONG CHUNG
BEINSCHROTH, ANDY ERIC	ANDY ERIC BEINSCHROTH	CLARK, ARTHUR	ARTHUR CLARK
BELL, CHARLES H. TRUST DATED MARCH 7, 2014	CHUCK BELL	CLARK, GARY AND BETH A.	ERIK ARCHIBEK
BENDER TRUST, DOLORES M.	DOLORES M. BENDER	CLUB VIEW PARTNERS	MANOUCHER SARBAZ
BEST, BYRON L.	BYRON L. BEST	CONNER, WILLIAM H.	WILLIAM H. CONNER
BORJA, LEONIL T. AND TITAL L.	LEONIL T. AND TITAL L. BORJA	CONTRATTO, ERSULA	ERSULA CONTRATTO
BOX, GEARY S. AND LAURA	GEARY S. AND LAURA BOX	CORBRIDGE, LINDA S.	GEORGE STARKE
BRACHT, WILLIAM F. AND ALEXANDER, ALICIA M.	ALICIA ALEXANDER	CROSS, FRANCIS AND BEVERLY	FRANCIS AND BEVERLY CROSS

APPENDIX J

MARCH 24, 2021

**MOJAVE BASIN AREA WATERMASTER
NOTICE LIST**

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

APPENDIX J

MARCH 24, 2021

**MOJAVE BASIN AREA WATERMASTER
NOTICE LIST**

OWNER	DESIGNEE	OWNER	DESIGNEE
HETTINGA REVOCABLE TRUST	PATRICIA MOHR	JUNIPER RIVIERA COUNTY WATER DISTRICT	LEE LOGSDON
HI DESERT MUTUAL WATER COMPANY	LISSET SARDESON	KANESAKA, KENJI AND YUKARI	KENJI AND YUKARI KANESAKA
HIETT, HARRY L.	HARRY L. HIETT	KARIMI, HOOSHANG	ASH KARIMI
HIGH DESERT ASSOCIATES, INC.	ROBERT W. BOWCOCK	KASNER FAMILY LIMITED PARTNERSHIP	ROBERT R. KASNER
HI-GRADE MATERIALS COMPANY	LORI CLIFTON	KASNER FAMILY LIMITED PARTNERSHIP	ROBERT R. KASNER
HI-GRADE MATERIALS COMPANY	LORI CLIFTON	KASNER, ROBERT	ROBERT KASNER
HI-GRADE MATERIALS COMPANY	LORI CLIFTON	KATCHER, AUGUST M. AND MARCELINE	AUGUST M. AND MARCELINE KATCHER
HILARIDES 1998 REVOCABLE FAMILY TRUST	FRANK HILARIDES	KEMP, ROBERT AND ROSE	ROBERT AND ROSE KEMP
HILL FAMILY TRUST AND HILL'S RANCH, INC.	KATHERINE HILL	KEMPER CAMPBELL RANCH	PEGGY SHAUGHNESSY
HITCHIN LUCERNE, INC.	MARY THOMAS	KIM, JIN S. AND HYUN H.	JIN S. AND HYUN H. KIM
HO, TING-SENG AND AH-GIT	TING-SENG AND AH-GIT HO	KIM, JOON HO AND MAL BOON REVOCABLE TRUST	ALAN AND ANNETTE DE JONG
HOLLISTER, ROBERT H. AND RUTH M.	JOAN ROHRER	KIM, JU SANG	JU SANG KIM
HOLWAY JEFFREY R AND PATRICIA GAGE	JEFFREY R HOLWAY AND PATRICIA GAGE	KIM, SEON JA	SEON JA KIM
HOLWAY, JEFFREY R	JEFFREY R HOLWAY	KOEGLER, RONALD R. AND CAROLYN V.	RONALD R. AND CAROLYN V. KOEGLER
HOLY HEAVENLY LAKE, LLC	KATHERINE K HSU	KOERING, RICHARD AND KOERING, DONNA	RICHARD KOERING AND DONNA
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	TIMOTHY M. ROHM
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, RONALD	RONALD JOHNSON	LIANG, YUAN - I AND TZU - MEI CHEN	BILLY LIANG
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	LIBERTY UTILITIES (APPLE VALLEY RANCHOS WATER) CORP.	ERIC LARSEN
JONES, JOETTE	JOETTE JONES	LIN, KUANG JUNG AND CHUNG, DER-BING	JAMES LIN
JORDAN FAMILY TRUST	PAUL JORDAN	LO, ET AL.	MEI LI
JUBILEE MUTUAL WATER COMPANY	RAY GAGNÉ	LOPEZ, BALTAZAR	PATRICIA MIRANDA

APPENDIX J

MARCH 24, 2021

**MOJAVE BASIN AREA WATERMASTER
NOTICE LIST**

OWNER	DESIGNEE	OWNER	DESIGNEE
LOW, DEAN	DEAN LOW	NUÑEZ, LUIS SEGUNDO	LUIS SEGUNDO NUÑEZ
LUA, MICHAEL T. AND DONNA S.	MICHAEL T. AND DONNA S. LUA	NUNN FAMILY TRUST	PEARL OR GAIL NUNN
LUCERNE VALLEY MUTUAL WATER COMPANY	GWEN L. BEDICS	O. F. D. L., INC.	JEFF GAASTRA
LUCERNE VALLEY PARTNERS	MANOUCHER SARBAZ	OASIS WORLD MISSION	CHUN SOO AHN
LUCERNE VISTA MUTUAL WATER COMPANY	MARIAN WALENT	ODESSA WATER DISTRICT	KODY TOMPKINS
LUCKEY 2010 REVOCABLE TRUST	CAROLYN J. LUCKEY	OHAI, REYNOLDS AND DOROTHY	DOROTHY OHAI
M BIRD CONSTRUCTION	EUGENE R. & VICKIE R. BIRD	OMYA CALIFORNIA, INC.	RALPH MCCULLERS
M.B. LANDSCAPING AND NURSERY, INC.	MARIA MARTINEZ	ORO GRANDE SCHOOL DISTRICT	NICK HIGGS
MAHJOUBI, AFSAR S.	ROBERT SAIDI	P AND H ENGINEERING AND DEVELOPMENT CORPORATION	M. T. SHORAKA
MALONEY, JANICE	JANICE MALONEY	PACIFIC GAS AND ELECTRIC COMPANY	JESSICA BAILS
MANNING, SHARON S.	JIMMY BERRY	PAK, KAE SOO AND MYONG HUI KANG	KAE SOO AND MYONG HUI KANG PAK
MARCROFT, JAMES A. AND JOAN	ALLEN MARCROFT	PATINO, JOSÉ	JOSÉ PATINO
MARIANA RANCHOS COUNTY WATER DISTRICT	JAMES M. HANSEN, JR.	PAUSTELL, JOAN BEINSCHROTH	JOAN BEINSCHROTH PAUSTELL
MARSHALL, CHARLES	CHARLES MARSHALL	PEARCE, CRAIG L.	CRAIG L. PEARCE
MARTIN, MICHAEL D. AND ARLENE D.	MICHAEL D. AND ARLENE D. MARTIN	PERKO, BERT K.	BERT K. PERKO
MCCOLLUM, CHARLES L.	ROD SEXTON	PERRY REVOCABLE LIVING TRUST, THOMAS AND PATRICIA	THOMAS PERRY
MCKINNEY, PAULA	PAULA MCKINNEY	PETTIGREW, DAN	DAN PETTIGREW
MEAD FAMILY TRUST	OLIVIA L. MEAD	PHELAN PIÑON HILLS COMMUNITY SERVICES DISTRICT	SEAN WRIGHT
MILBRAT, IRVING H.	DAVID I. MILBRAT	PITTMAN REVOCABLE TRUST, DIANA J.	DIANA W. PITTMAN
MILLER LIVING TRUST	DONNA MILLER	POLAND, JOHN R. AND KATHLEEN A.	JOHN POLAND
MITSUBISHI CEMENT CORPORATION	DAVID RIB	POLICH, DONNA	DONNA POLICH
MIZRAHIE, ET AL.	PHILIP MIZRAHIE	PORTER, TIMOTHY M.	TIMOTHY M. PORTER
MLH, LLC	THOMAS A. HRUBIK	PRECISION INVESTMENTS SERVICES, LLC	CARIN MCKAY
MOJAVE DESERT LAND TRUST	ALLYSON LAVENDER	PRICE, DONALD AND RUTH	DONALD AND RUTH PRICE
MOJAVE SOLAR, LLC	MARIA ELENA LOPEZ	PRUETT, ANDREA	ANDREA PRUETT
MOJAVE WATER AGENCY	DOUG KERNS	QUAKENBUSH, SAMUEL R.	SAMUEL R. QUAKENBUSH
MOJAVE WATER AGENCY	DOUG KERNS	QUIROS, FRANCISCO J. AND HERRMANN, RONALD	RON HERRMANN
MONACO INVESTMENT COMPANY	MANOUCHER SARBAZ	RANCHERITOS MUTUAL WATER COMPANY	ELIZABETH MURENA
MORRIS TRUST, JULIA V.	KEN ELLIOT	REED, MIKE	MIKE REED
MOSS, LAWRENCE W. AND HELEN J.	LAWRENCE W. AND HELEN J. MOSS	RHEE, ANDREW N.	ANDREW N. RHEE
MOST FAMILY TRUST	JENNIE MOST	RICE, HENRY C. AND DIANA	KELLY RICE
MULLIGAN, ROBERT AND INEZ	DENNIS HILLS	RIM PROPERTIES, A GENERAL PARTNERSHIP	IAN BRYANT
MURPHY, JEAN	JEAN MURPHY	RIOS, MARIANO V.	JOSIE RIOS
MUSIC, ZAJO	ZAJO MUSIC	RIVERO, FIDEL V.	FIDEL V. RIVERO
NAVAJO MUTUAL WATER COMPANY	JAMES HANSEN	RIZVI, S.R ALI	S.R ALI RIZVI
NEW SPRINGS LIMITED PARTNERSHIP	BILLY LIANG	ROBERTSON'S READY MIX	JACKIE MCEVOY
NEWBERRY COMMUNITY SERVICES DISTRICT	JODI HOWARD	ROSSI, JAMES L. AND NAOMI I.	MITCH HAMMACK
NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	JEFF GAASTRA	ROYAL WAY	JOHN D. ZEMANEK
NORRIS TRUST, MARY ANN	MARY ANN NORRIS	RUE RANCH, INC.	SAM MARICH
NSSLIC, INC.	KENTON EATHERTON	RUISCH TRUST, DALE W. AND NELLIE H.	DALE W. RUISCH

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MARCH 24, 2021

**MOJAVE BASIN AREA WATERMASTER
NOTICE LIST**

OWNER	DESIGNEE	OWNER	DESIGNEE
S AND B BROTHERS, LLC	SHERWIN SHORAKA	SYNAGRO-WWT, INC. (DBA NURSURY PRODUCTS, LLC)	VENNY VASQUEZ
S AND E 786 ENTERPRISES, LLC	JAFAR RASHID	SZYNKOWSKI, RUTH J.	RUSSELL SZYNKOWSKI
SABA FAMILY TRUST DATED JULY 24, 2018	SARA FORTUNA	TALLAKSON FAMILY REVOCABLE TRUST	BILL AND ELIZABETH TALLAKSON
SAGABEAN-BARKER, KANOELOKELANI L.	KANOE BARKER	TAPIE, RAYMOND L.	RAYMOND L. TAPIE
SAMPLES, BERNARD D. AND JANICE E.	BERNARD D. AND JANICE E. SAMPLES	TEISAN, JERRY	JERRY TEISAN
SAMRA, JAGTAR S.	JAGTAR S. SAMRA	THAYER, SHARON	SHARON THAYER
SAN BERNARDINO CO BARSTOW - DAGGETT AIRPORT	REBECCA MANCHA	THE CUSHENBURY TRUST, C/O SPECIALTY MINERALS, INC.	DEL CURTIS
SAN BERNARDINO COUNTY - HIGH DESERT DETENTION CENTER	JARED BEYELER	THOMAS, STEPHEN AND LORI	STEPHEN THOMAS
SAN BERNARDINO COUNTY SERVICE AREA 29	TREVOR LEJA	THOMPSON LIVING TRUST, JAMES A. AND SULA B.	LYNNETTE L. THOMPSON
SAN BERNARDINO COUNTY SERVICE AREA 42	JARED BEYELER	THOMPSON LIVING TRUST, R.L. AND R.A.	RODGER THOMPSON
SAN BERNARDINO COUNTY SERVICE AREA 64	JARED BEYELER	THRASHER, GARY	GARY THRASHER
SAN BERNARDINO COUNTY SERVICE AREA 70J	JARED BEYELER	THUNDERBIRD COUNTY WATER DISTRICT	CHRISTINE BISPO
SCRAY, MICHELLE A. TRUST	MICHELLE SCRAY	TRANSAMERICA FIN'L SVC - SPEARS, LARRY B. AND ERLINDA	
SERVICE ROCK PRODUCTS CORPORATION	JACKIE MCEVOY	TRIPLE H PARTNERSHIP	JIM HOOVER
SEXTON, RODNEY A. AND SEXTON, DEREK R.	ROD SEXTON	TROEGER FAMILY TRUST, RICHARD H.	MIKE TROEGER
SHEEP CREEK WATER COMPANY	CHRIS CUMMINGS	TURNER, TERRY	TERRY TURNER
SHENG, JEN	JEN SHENG	UNION PACIFIC RAILROAD COMPANY	AURELIO IBARRA
SHEPPARD, THOMAS AND GLORIA	THOMAS AND GLORIA SHEPPARD	VACA, ANDY AND TERESITA S.	ANDY AND TERESITA S. VACA
SHORT, JEROME E.	JEROME E. SHORT	VALENTI, VITO	VITO VALENTI
SILVER LAKES ASSOCIATION	WESTLY CAMPBELL	VAN BASTELAAR, ALPHONSE	DEAN VAN BASTELAAR
SINGH, ET AL.	NEPAL SINGH	VAN DAM FAMILY TRUST, GLEN AND JENNIFER	GLEN AND JENNIFER VAN DAM
SMITH, DENISE DBA AMEREQUINE BEAUTY, INC	DENISE SMITH	VAN DAM REVOCABLE TRUST, E AND S	ELDERT AND SUSAN VAN DAM
SMITH, PORTER AND ANITA	PORTER AND ANITA SMITH	VAN LEEUWEN, JOHN	JACOB BOOTSMAS
SNOWBALL DEVELOPMENT, INC.	STEVE KIM	VANDER DUSSEN TRUST, AGNES AND EDWARD	AGNES VANDER DUSSEN
SON'S RANCH	CHAN KYUN SON	VANHOOPS HOLDINGS, LP	TRACI HOOPS
SOPPELAND REVOCABLE TRUST	JASON LAMOREAUX	VERNOLA TRUST, PAT AND MARY ANN	JOHN DRISCOLL
SOUTHERN CALIFORNIA EDISON COMPANY	ERIKA CLEMENT	VICTOR VALLEY COMMUNITY COLLEGE DISTRICT	STEPHEN GARCIA
SOUTHERN CALIFORNIA GAS COMPANY	SCOTT BREWER	VICTOR VALLEY MEMORIAL PARK	DEIDRA HITT
SPECIALTY MINERALS, INC.	DEL CURTIS	VICTORVILLE WATER DISTRICT, ID#1	STEVE ASHTON
SPERRY, WESLEY	WESLEY SPERRY	VICTORVILLE WATER DISTRICT, ID#2	STEVE ASHTON
SPILLMAN, JAMES R. AND NANCY J.	JAMES R. AND NANCY J. SPILLMAN	VOGLER, ALBERT H.	ALBERT H. VOGLER
SPRING VALLEY LAKE ASSOCIATION	ERIC MILLER	WAGNER LIVING TRUST	JOAN WAGNER
SPRING VALLEY LAKE COUNTRY CLUB	MITCHELL BROWN	WAKULA FAMILY TRUST	CHRISTIAN JOSEPH WAKULA
ST. ANTONY COPTIC ORTHODOX MONASTERY	FATHER JOSEPH	WANG, STEVEN	STEVEN WANG
STARKE, GEORGE A. AND JAYNE E.	GEORGE A. AND JAYNE E. STARKE	WARD, KEN AND BARBARA	BARBARA ALLARD-WARD
STORM, RANDALL	RANDALL STORM	WARD, RAYMOND	RAYMOND WARD
SUDMEIER, GLENN W.	GLENN W. SUDMEIER	WEEMS, LIZZIE	LIZZIE WEEMS
SUMMIT VALLEY RANCH, LLC	ALEXANDRA LIOANAG	WEERASINGHE, MAITHRI N.	MAITHRI N. WEERASINGHE
SUNDOWN LAKES, INC.	MARK RICHARDSON	WERNER, ANDREW J.	ANDREW J. WERNER
SUNRAY LAND COMPANY, LLC	TOM TREINEN	WEST END MUTUAL WATER COMPANY	JAMES WOODY

APPENDIX J

MARCH 24, 2021

MOJAVE BASIN AREA WATERMASTER
NOTICE LIST

OWNER	DESIGNEE	OWNER	DESIGNEE
WEST, HOWARD AND SUZY	HOWARD AND SUZY WEST		
WEST, JIMMIE E.	JIMMIE E. WEST		
WESTERN DEVELOPMENT AND STORAGE, LLC	ANDREW WERNER		
WESTERN HORIZON ASSOCIATES, INC.	CHUNG CHO GONG		
WESTERN WATER COMPANY	WILMA SILVERIA		
WESTLAND INDUSTRIES, INC.	GENARO ZAPATA		
WET SET, INC.	THOMAS G. FERRUZZO		
WIENER, MELVIN AND MARIAM S.	MELVIN AND MARIAM S. WIENER		
WILSHIRE ROAD PARTNERS	MANOUCHER SARBAZ		
WITHEY, CONNIE	CONNIE TAPIE		
WITTE, E. DANIEL AND MARCIA	E. DANIEL AND MARCIA WITTE		
WLSR, INC.	MARK J. CLUFF		
WOOD, MICHAEL AND DENISE	MICHAEL AND DENISE WOOD		
WORSEY, JOSEPH A. AND REVAE	DAVID A. WORSEY		

APPENDIX K

PERMANENT TRANSFERS OF BASE ANNUAL PRODUCTION RIGHT

2019-20 WATER YEAR

APPENDIX K

MARCH 24, 2021

**PERMANENT TRANSFERS OF BASE ANNUAL PRODUCTION RIGHT
WATER YEAR 2019-20
(ALL AMOUNTS IN ACRE-FEET)**

SUBAREA	TRANSFEROR	TRANSACTION						STATUS OF RIGHTS AFTER PERMANENT TRANSFER			
		VERIFIED BASE ANNUAL PRODUCTION	CURRENT BASE ANNUAL PRODUCTION RIGHT (PERCENT)	DATE PROCESSED BY WATERMASTER	TYPE OF TRANSACTION	TRANSFER AMOUNT	TRANSFeree	TRANSFeree		TRANSFEROR	
								VERIFIED BASE ANNUAL PRODUCTION	BASE ANNUAL PRODUCTION RIGHT (PERCENT)	VERIFIED BASE ANNUAL PRODUCTION	BASE ANNUAL PRODUCTION RIGHT (PERCENT)
BAJA	GENON CALIFORNIA SOUTH, LP	7,194	10.8741	09/25/2019	SALE	7,194	MOJAVE WATER AGENCY	7,194	10.8741	0	0.0000
OESTE	BROWN, SUE	46	0.6483	10/23/2019	SALE	46	HETTINGA REVOCABLE TRUST	1,302	18.3510	0	0.0000
BAJA	NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	1,085	1.6400	10/23/2019	SALE	140	CHEYENNE LAKE, INC.	662	1.0006	945	1.4284
BAJA	NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	945	1.4284	10/23/2019	SALE	140	CRYSTAL LAKES PROPERTY OWNERS ASSOCIATION	841	1.2712	805	1.2168
BAJA	NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	805	1.2168	10/23/2019	SALE	140	LAKE JODIE PROPERTY OWNERS ASSOCIATION	451	0.6817	665	1.0052
BAJA	NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	665	1.0052	10/23/2019	SALE	140	LAKE WAINANI OWNERS ASSOCIATION	1,078	1.6295	525	0.7936
BAJA	NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	525	0.7936	10/23/2019	SALE	140	O. F. D. L., INC.	440	0.6651	385	0.5819
BAJA	NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	385	0.5819	10/23/2019	SALE	100	SUNDOWN LAKES, INC.	520	0.7860	285	0.4308
BAJA	NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	285	0.4308	10/23/2019	SALE	140	WET SET, INC.	544	0.8223	145	0.2192
BAJA	NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	145	0.2192	10/23/2019	SALE	140	WLSR, INC.	468	0.7074	5	0.0076
BAJA	BORGOGNO REVOCABLE LIVING TRUST	1,844	2.7873	12/12/2019	SALE	1,844	VAN DAM FAMILY TRUST, GLEN AND JENNIFER	7,274	10.9951	0	0.0000
BAJA	JOHNSON, JAMES R. AND ELLEN	247	0.3734	12/12/2019	SALE	247	IM, NICHOLAS NAK-KYUN	397	0.6001	0	0.0000
ESTE	WEISER, ET AL.	90	0.4454	01/22/2020	SALE	90	CROWN CAMBRIA, LLC	90	0.4454	0	0.0000
BAJA	CALICO JUNCTION	20	0.0302	02/26/2020	SALE	20	NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	25	0.0378	0	0.0000
BAJA	KOROGHLIAN, TED AND NAJWA	15	0.0227	02/26/2020	SALE	15	MUSIC, ZAJO	15	0.0227	0	0.0000
ALTO	BEEBE, DOROTHEY K.	6	0.0052	04/22/2020	SALE	6	HOLY HEAVENLY LAKE, LLC	6	0.0052	0	0.0000
ALTO	BEINSCHROTH FAMILY TRUST	670	0.5755	04/22/2020	SALE	250	BEINSCHROTH FAMILY TRUST	275	0.2362	420	0.3608
ALTO	BEINSCHROTH FAMILY TRUST	420	0.3608	04/22/2020	SALE	250	BEINSCHROTH, ANDY ERIC	250	0.2148	170	0.1460
ALTO	BEINSCHROTH FAMILY TRUST	170	0.1460	04/22/2020	SALE	170	PAUSTELL, JOAN BEINSCHROTH	170	0.1460	0	0.0000
BAJA	ARGUELLES REVOCABLE TRUST, ALFREDO A. AND ANA. M.	647	0.9780	05/27/2020	SALE	647	LAKE WAINANI OWNERS ASSOCIATION	1,725	2.6074	0	0.0000
ESTE	PETTIGREW, JAMES AND CHERLYN	500	2.4746	05/27/2020	SALE	500	AMERICA UNITED DEVELOPMENT, LLC	500	2.4746	0	0.0000
BAJA	NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	25	0.0348	07/22/2020	SALE	3	CALICO LAKES HOMEOWNERS ASSOCIATION	1,296	1.9590	22	0.0333
BAJA	NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	22	0.0333	07/22/2020	SALE	3	CHEYENNE LAKE, INC.	665	1.0052	19	0.0287
BAJA	NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	19	0.0287	07/22/2020	SALE	3	CRYSTAL LAKES PROPERTY OWNERS ASSOCIATION	844	1.2758	16	0.0242
BAJA	NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	16	0.0242	07/22/2020	SALE	3	LAKE JODIE PROPERTY OWNERS ASSOCIATION	454	0.6862	13	0.0197
BAJA	NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	13	0.0197	07/22/2020	SALE	3	O. F. D. L., INC.	443	0.6696	10	0.0151

APPENDIX K

MARCH 24, 2021

PERMANENT TRANSFERS OF BASE ANNUAL PRODUCTION RIGHT
WATER YEAR 2019-20
(ALL AMOUNTS IN ACRE-FEET)

SUBAREA	TRANSFEROR	TRANSACTION						STATUS OF RIGHTS AFTER PERMANENT TRANSFER			
		VERIFIED BASE ANNUAL PRODUCTION	CURRENT BASE ANNUAL PRODUCTION RIGHT (PERCENT)	DATE PROCESSED BY WATERMASTER	TYPE OF TRANSACTION	TRANSFER AMOUNT	TRANSFeree	TRANSFeree		TRANSFEROR	
								VERIFIED BASE ANNUAL PRODUCTION	BASE ANNUAL PRODUCTION RIGHT (PERCENT)	VERIFIED BASE ANNUAL PRODUCTION	BASE ANNUAL PRODUCTION RIGHT (PERCENT)
BAJA	NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	10	0.0151	07/22/2020	SALE	3	SUNDOWN LAKES, INC.	523	0.7905	7	0.0106
BAJA	NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	7	0.0106	07/22/2020	SALE	3	WET SET, INC.	547	0.8268	4	0.0060
BAJA	NEWBERRY SPRINGS RECREATIONAL LAKES ASSOCIATION	4	0.0060	07/22/2020	SALE	3	WLSR, INC.	471	0.7119	1	0.0015
ALTO	DOLCH LIVING TRUST ROBERT AND JUDITH	100	0.0859	09/23/2020	SALE	10	HELENDALE COMMUNITY SERVICES DISTRICT	4,009	3.4438	90	0.0773