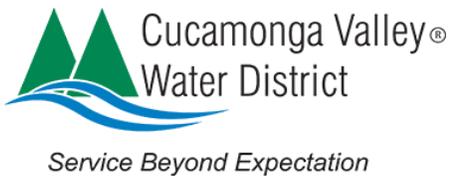


# CUCAMONGA BASIN ANNUAL REPORT

Water Year Reporting Period: October 1, 2022 to September 30, 2023



Prepared by

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**CONSULTING GROUP**

*An Employee Owned Company*

## Background

This annual monitoring report has been submitted on behalf of the Cucamonga Adjudicated Basin for the 2023 water year (October 1, 2022 - September 30, 2023). The wells within the boundary of this basin belong to Cucamonga Valley Water District (CVWD), San Antonio Water Company (SAWCo), and the City of Upland. This report has been completed using data and information provided by the agencies and submitted for approval through the California Department of Water Resources (DWR) Adjudicated Basins Annual Reporting System.

## Water Data (Water Year 2023)

Data and digital documents will be submitted for the 2023 water year. The DWR Adjudicated Basin Annual Reporting System language will be in ***bold italics***, submittal information will have the preface “**Cuc Basin Response:**” in bold, and any required information will be denoted with a red asterisk (\*).

### Groundwater Level

#### ***(a) Is water level data submitted to the CASGEM Program?***

**Cuc Basin Response:** Yes

#### ***(b) Does this watermaster collect or receive additional groundwater levels?***

**Cuc Basin Response:** Yes

**\*If the answer to (b) is “YES”:** If you are the CASGEM Monitoring Entity, please log into the CASGEM Site and add your additional wells as “Voluntary” wells and enter data as you do for CASGEM wells. If you are not the CASGEM Monitoring Entity, and do not have access to contribute to the CASGEM site, please download, and fill out the two spreadsheet templates and upload them in the space for “additional documents” in Appendix A – Data Tables & Required Documents.

**Cuc Basin Response:** Consistent with the 2022 water year reporting for the Cucamonga Basin, the data for wells that are not reported through CASGEM will not be loaded as “voluntary” wells. Legal counsel to CVWD determined the submission of this data not required.

#### ***(c) Does watermaster measure groundwater levels?***

**Cuc Basin Response:** Yes

**\*If the answer to (c) is “YES”:** Please download and fill out the two spreadsheet templates and upload them in the space for “additional documents” in Appendix A.

**Cuc Basin Response:** Consistent with the 2022 water year reporting for the Cucamonga Basin, the data for wells that are not reported through CASGEM will not be loaded as “voluntary” wells. Legal counsel to CVWD determined the submission of this data not required.

## Groundwater Use

### *(a) Total Groundwater Extraction in acre feet (AF)*

**Cuc Basin Response:** 12,102 (see Table 1 below)

## Surface Water Use

### *(a) Surface Water Supply in acre feet (AF)*

**Cuc Basin Response:** 4,202 (see Table 3 below)

## Total Use

### *(a) Total Water Use in acre feet (AF)*

**Cuc Basin Response:** Information is not available

#### ***Method Used to determine:***

The three water producer parties in the Cucamonga Basin (CVWD, SAWCo, and the City of Upland) have service areas that extend beyond the boundaries of the Basin, and the specific proportion of their total water use within and outside the Basin is measured and maintained by each of the three pumpers in the Cucamonga Basin.

## Change in Groundwater Storage

### *(a) Time period for change:*

Start date: 10/01/2022

End date: 09/30/2023

### *(b) Change in storage in acre feet (AF)*

**Cuc Basin Response:** 20,561 (see Table 2 below)

#### ***Method Used to determine:***

The same basic methodology was used to calculate change in basin storage as was used in the 2022 water year report. The calculation is based on specific yield as defined in a 2020 report, “Chino Basin 2020 Safe Yield Recalculation Final Report” (Wildermuth Environmental, Inc.).

## Results

Table 1: Total Production for Each Agency and Total Reported for the Cucamonga Basin (AF)

<b>2023 Water Year</b>	
CVWD	5,910
SAWCo	3,762
Upland	2,430
<b>Total</b>	<b>12,102</b>

Table 2: Total Change in Storage for the Cucamonga Basin (AF)

<b>2023 Water Year</b>
<b>20,561</b>

Table 3: Total Surface Water Supply for the Cucamonga Basin (AF)

<b>Cucamonga Basin Total Water Spread</b>												
<b>Oct 2022</b>	<b>Nov 2022</b>	<b>Dec 2022</b>	<b>Jan 2023</b>	<b>Feb 2023</b>	<b>Mar 2023</b>	<b>Apr 2023</b>	<b>May 2023</b>	<b>Jun 2023</b>	<b>Jul 2023</b>	<b>Aug 2023</b>	<b>Sep 2023</b>	<b>Total</b>
41	69	143	454	636	462.51	416.19	541.56	589.19	467.94	196.86	184.96	<b>4,202</b>



# APPENDIX A

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## Groundwater Elevation Maps

