



TECHNICAL MEMORANDUM

March 6, 2020

TO: Chino Basin Watermaster

FROM: Wildermuth Environmental Inc.

RE: Chino Basin Watermaster submittal of the water year 2019 reporting requirements for adjudicated basins pursuant to the Sustainable Groundwater Management Act Request for Information

Pursuant to the Sustainable Groundwater Management Act (SGMA) requirements for adjudicated basins, as described in California Water Code (CWC) Section 10720.8(f), the Chino Basin Watermaster (Watermaster) is preparing to submit information pursuant to the annual reporting requirements for Chino Basin for water year 2019 (October 1, 2018 to September 30, 2019). The water year 2019 submittal is the fifth submittal by the Watermaster to the California Department of Water Resources (DWR). The SGMA requires that the following six categories of data be submitted to the DWR by April 1 of each year: (A) groundwater elevation data, unless otherwise submitted pursuant to Section 10932¹; (B) annual aggregated data identifying total groundwater extractions for the preceding water year; (C) surface water supply used, or available for use, for groundwater recharge or in-lieu use; (D) total water use; (E) change in groundwater storage; and (F) the Watermaster's annual report submitted to the Court.

The annual reporting data are submitted to the DWR using its Adjudicated Basin Annual Reporting System—a password-secured, online submission system accessible at <http://sgma.water.ca.gov/adjudbasins>. The DWR Adjudicated Basin Annual Reporting System facilitates the submission of all reporting requirements for adjudicated basins and consists of a standardized reporting template to enter all the required information pursuant to the SGMA legislation, including the ability to upload supporting documents and reports. The standardized reporting template includes sections to upload specific required information for reporting under the SGMA legislation, as well as sections for including optional information.

This memorandum describes the information that will be submitted to the DWR using the Adjudicated Basin Annual Reporting System on behalf of the Watermaster to satisfy the water

¹ CWC Section 10932 requires reporting of groundwater levels for the California State Groundwater Elevation Monitoring (CASGEM) Program.



year 2019 reporting requirements for the Chino Basin. If the information and/or reports proposed for submittal to the DWR are not required, it is specified in this memorandum.

Water Data for Water Year 2019

The following Chino Basin water year 2019 data and digital documents will be submitted. The DWR Adjudicated Basin Annual Reporting System language is in ***bold italics*** and the information for submittal is shown in regular text. All volume data are reported in acre-feet (AF).

(A) Groundwater elevation data unless otherwise submitted pursuant to Section 10932.

Is water level data submitted to the CASGEM Program? Yes

Does the watermaster collect or receive additional groundwater levels? Yes

Does the watermaster measure groundwater levels? Yes

(B) Annual aggregated data identifying groundwater extraction for the preceding water year

Total Groundwater Extraction (AF): 136,148

Groundwater extraction by water use sector (if available):

The submittal of this information is optional; the following information will be submitted:

<i>Sector</i>	<i>Volume (AF)</i>	<i>Explanation</i>
<i>Urban</i>	117,546	Appropriative Pool (Pool 3)
<i>Agricultural</i>	15,299	Agricultural Pool (Pool 1)
<i>Other Sector</i>	3,303	Non-Agricultural Pool (Pool 2)

(C) Surface water supply used for or available for use for groundwater recharge or in-lieu use.

Surface Water Supply (AF): 157,170

Method used to determine: The submittal of this information is optional; the following information will be submitted:

The value reported represents total surface water used for direct consumption and for groundwater recharge. Imported water and recycled water deliveries to recharge basins are metered and recorded daily. Storm water and urban runoff recharge volumes are measured by stage sensors in the recharge basins. Imported water, recycled water, and local surface water amounts used for direct consumption are provided by the individual parties in the Chino Basin. For parties that have service areas not entirely within the Chino Basin adjudicated boundary, the proportion of the surface water supply used for consumption inside the Chino Basin adjudicated



boundary is not quantified. The portion of the reported volumes that were used for recharge, were recharged entirely within the Chino Basin adjudicated boundary.

Water available for recharge or in-lieu use by source type (if available):

The submittal of this information is optional; the following information will be submitted:

Source Type	Volume (AF)	Explanation
Local Surface Deliveries	38,421	This includes 12,817 AF of storm water and urban runoff for groundwater recharge, and 25,604 AF of native surface water for direct consumption.
State Water Project Deliveries	90,503	This includes 19,810 AF for groundwater recharge, and 70,693 AF for direct consumption.
Recycled Water	28,245	This includes 10,379 AF for groundwater recharge, and 17,866 AF for non-potable reuse.

(D) Total Water Use (report water use in the basin as data is available and/or as reported in the annual report)

Total Water Use (AF): 335,466

Method used to determine: The submittal of this information is optional; the following information will be submitted:

Total water use data includes water used for direct consumption and for groundwater recharge. Data were obtained from Watermaster records, and/or collected from the parties in the Chino Basin. The total water use represents the sum of total water use by parties to the Chino Basin Judgment. Many of the Chino Basin appropriative pool parties have service areas that extend outside the Chino Basin adjudicated boundary. The proportion of the total water use for direct consumption that is used inside the Chino Basin adjudicated boundary is not quantified by Watermaster.

Total water use is reported using the pre-defined categories by the DWR under the **Water use met by source type** below, and is apportioned as follows: **Groundwater** is groundwater produced from the Chino Basin and other basins for direct use; **Surface water** is imported State Water Project water and native surface water used for direct use; **Recycled or reused water** is recycled water used for direct use; and **Other** is water used for groundwater recharge which includes storm water and urban runoff, imported State Water Project water, and recycled water.



Water Use met by source type:

The submittal of this information is optional; the following information will be submitted:

Type	Volume (AF)
Groundwater	178,296
Surface water	96,297
Recycled or reused water	17,866
Other	43,006

(E) Annual change in groundwater storage

Change in storage (AF): +15,662

Method used to determine: The submittal of this information is optional; the following information will be submitted:

The change in storage over the period of October 1, 2018 through September 30, 2019 was estimated using the Chino Basin groundwater model.

Time period for change: Start date: 10/1/2018 **End date:** 9/30/2019

(F) The annual report submitted to the court

Start date: 7/1/2018 **End date:** 6/30/2019

Please submit an electronic (PDF preferred) copy of your annual report:

Watermaster published the Annual Report for fiscal year 2018/2019 since the last SGMA annual reporting requirements for the Chino Basin were submitted on April 1, 2019. The Chino Basin Watermaster 42nd Annual Report for fiscal year 2018/2019 is submitted herein and covers the period of July 2018 through June 2019.

Please submit additional reports or documents:

The submittal of this information is optional. This memorandum will be submitted along with the data and information described above. Additional Chino Basin Watermaster engineering and legal reports are available for public download on Watermaster's website at www.cbwm.org