

TECHNICAL MEMORANDUM

DATE: March 1, 2023 Project No.: 941-80-20-08
SENT VIA: EMAIL

TO: Chino Basin Watermaster

FROM: Chino Basin Watermaster Engineer

SUBJECT: Chino Basin Watermaster submittal of the water year 2022 reporting requirements for adjudicated basins pursuant to the Sustainable Groundwater Management Act

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 2022 (October 1, 2021 to September 30, 2022) 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 Basins Annual Reporting System—a password-secured, online submission system accessible at [Link](#). The DWR Adjudicated Basins 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 Basins Annual Reporting System on behalf of the Watermaster to satisfy the water year 2022 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.

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

Water Data for Water Year 2022

The following Chino Basin water year 2022 data and digital documents will be submitted. The DWR Adjudicated Basins 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): 159,465

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>	144,185	Appropriative Pool (Pool 3)
<i>Agricultural</i>	13,656	Agricultural Pool (Pool 1)
<i>Other Sector</i>	1,624	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): 111,585

Method used to determine:

The submittal of this information on the method is optional but recommended by the DWR. The following information on the method will be submitted with the surface water supply volumes to provide clarity on the source and compilation of these volumes:

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:

Sector	Volume (AF)	Explanation
Local Surface Deliveries	21,281	This includes 8,263 AF of storm water and urban runoff for groundwater recharge, and 13,018 AF of native surface water for direct consumption.
State Water Project Deliveries	52,333	This includes 1,541 AF for groundwater recharge, and 50,792 AF for direct consumption.
Recycled Water	37,971	This includes 15,177 AF for groundwater recharge, and 22,794 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): 326,881

Method used to determine:

The submittal of this information is optional; the following information on the method will be submitted to provide clarity on the source and compilation of these total water use volumes:

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	215,295
Surface water	63,811
Recycled or reused water	22,794
Other	24,981

(E) Annual change in groundwater storage

Change in storage (AF): -21,700

Method used to determine:

The submittal of this information is optional but recommended by the DWR. The following information will be submitted:

The change in storage over the period of October 1, 2021 through September 30, 2022 was estimated using the Chino Basin groundwater model.

Time period for change: Start date: 10/1/2021 End date: 9/30/2022

(F) The annual report submitted to the court

Start date: 7/1/2021 End date: 6/30/2022

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

Watermaster published the Annual Report for fiscal year 2021/2022 since the last SGMA annual reporting requirements for the Chino Basin were submitted on April 1, 2022. The Chino Basin Watermaster 45th Annual Report for fiscal year 2021/2022 is submitted herein and covers the period of July 2021 through June 2022.

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.