



AGENDA

REGULAR MEETING OF THE BOARD OF DIRECTORS OF CARPINTERIA GROUNDWATER SUSTAINABILITY AGENCY

CARPINTERIA CITY HALL
5775 CARPINTERIA AVENUE
CARPINTERIA, CA 93013

Wednesday, May 22, 2024 at 5:50 p.m.

Join Zoom Meeting

<https://us06web.zoom.us/j/83241749980?pwd=5XM6vMOvvAmM0DPfR38UzN8YE96qVm.1>

Meeting ID: 832 4174 9980

Passcode: 885707

or

Dial by Phone: 1-669-444-9171

1. CALL TO ORDER
2. PUBLIC FORUM (Any person may address the Board of Directors on any matter within its jurisdiction which is not on the agenda).
3. APPROVAL ITEMS
 - A. ****Minutes for the Meeting of the Board held on April 10, 2024**
 - B. ****Disbursement Report for January 16, 2024 – May 10, 2024**
4. UNFINISHED BUSINESS – none
5. NEW BUSINESS –
 - A. ****Consider CGSA Annual Report (for action, Executive Director McDonald)**
Presentation by David O Rourke, GSI Water Solutions
 - B. ****Consider draft GSA Cost of Service Study for Fiscal Years 2025 and 2026 (for information, Executive Director McDonald)**
6. EXECUTIVE DIRECTOR REPORTS (for information) –
 - A. ****Financials**
7. ADJOURNMENT

The above matters are the only items scheduled to be considered at this meeting.

**Indicates attachment of document to agenda packet.

Note: The above Agenda was posted at Carpinteria Valley Water District Administrative Office in view of the public no later than 5:00 p.m., May 19, 2024. The Americans with Disabilities Act provides that no qualified individual with a disability shall be excluded from participation in, or denied benefits of, the District's programs, services, or activities because of any disability. If you need special assistance to participate in this meeting, please contact the District Office at (805) 684-2816. Notification at least twenty-four (24) hours prior to the meeting will enable the District to make appropriate arrangements. Materials related to an item on this Agenda submitted to the Board of Directors after distribution of the agenda packet are available for public inspection in the Carpinteria Valley Water district offices located at 1301 Santa Ynez Avenue, Carpinteria during normal business hours, from 8 am to 5 pm.

**IIndicates attachment of document to agenda packet.

	MINUTES OF THE REGULAR MEETING OF THE BOARD OF DIRECTORS OF CARPINTERIA GROUNDWATER SUSTAINABILITY AGENCY	
	April 10, 2024	
	Chairman Van Wingerden called the regular meeting of the Carpinteria Groundwater Sustainability Agency Board of Directors held in the Carpinteria City Hall Chamber to order at 5:31p.m., Wednesday, April 10, 2024.	
	Directors Present; Johnson, Balch, Roberts, Holcombe, and Van Wingerden	
	Others Present: Bob McDonald	
	Stephen Lee Norma Rosales Lisa Silva Maso Motlow Scott Van Der Kar	Rob Morrow Chris Malejan Craig Murray Andrew Salvesson Will Carlton
PUBLIC FORUM	Scott Van Der Kar addressed the Board sharing the Carpinterian of the Year event was held and highlighted was that agriculture makes Carpinteria special and appealing. Also, shared an article regarding evapotranspiration from the view of the agricultural community and that we are in the ballpark in regards to avocados in comparison to the State average.	
MINUTES	Following discussion, Director Johnson moved, and Director Holcombe seconded the motion to approve the amended minutes of the Board meeting held on March 13, 2024. The motion carried by a 4-1 vote with Director Balch abstaining. The minutes were approved by roll call as follows; Ayes: Holcombe, Roberts, Johnson and Van Wingerden Nays : none Absent: none Abstain : Balch	
DRAFT BUDGET FY 25 AND FY 26	Executive Director McDonald presented to consider Draft Budget for FY 2025 and FY 2026. For Information	

<p>CGSA FEE FY 2025 AND FY 2026</p>	<p>Executive Director McDonald presented to consider determination of CGSA Fee for FY 2025 and FY 2026.</p> <p>Proposed Cost per acre-foot based on combined average of past 2 fiscal years - \$78.82.</p> <p>Scott Van Der Kar addressed the Board inquiring about an updated report for a plan to get meters on the wells, requesting details or timeline. Also, questioned if a grower installs a meter and is calibrated, if that is allowable and an incentive for growers to be charged accordingly to their water used through the appeal process. Is the updated per acre in line with aerial survey information?</p> <p>Will Carlton addressed the Board concerning the basis for the fee increase – the incremental increase should be the same amount as expenses increase.</p> <p>Scott Van Der Kar readdressed the Board with a question regarding how the District arrived at the estimate for what the private pumpers are doing and how it's allocated.</p> <p>Following discussion, Director Johnson moved, and Director Holcombe seconded the motion to approve CGSA Fee for FY 2025 and FY 2026. The motion carried by a 5-0 vote. The minutes were approved by roll call as follows;</p> <p>Ayes: Holcombe, Balch, Roberts, Johnson and Van Wingerden Nays : none Absent: none</p>
<p>PROP 218 NOTICE</p>	<p>Executive Director McDonald presented to consider Prop 218 Notice for mailing on April 19, 2024 for FY 2025 and FY 2026 GSA Fees.</p> <p>Following discussion, Director Holcombe moved, and Director Balch seconded the motion to approve Prop 218 Notice. The motion carried by a 5-0 vote. The motion was approved by roll call as follows;</p> <p>Ayes: Holcombe, Balch, Roberts, Johnson and Van Wingerden Nays : none Absent: none</p>

**BOARD SECRETARY
APPOINTMENT**

Executive Director McDonald presented to consider Appointing Lisa Silva GSA Board Secretary.

Following discussion, Director Holcombe moved, and Director Balch seconded the motion to appoint Lisa Silva as Board Secretary. The motion carried by a 5-0 vote. The minutes were approved by roll call as follows;

Ayes: Holcombe, Balch, Roberts, Johnson and Van Wingerden
Nays : none
Absent: none

ADJOURNMENT

Chairman Van Wingerden adjourned the meeting at 6:21 p.m.

Robert McDonald, Secretary



Monthly Disbursement Report
Carpinteria Groundwater Sustainability Agency

Payment Date: 01/16/24 - 05/10/24

CARPINTERIA GSA

Disbursement Report				
Carpinteria Groundwater Sustainability Agency Account - Check Report				
Vendor	Description	Payment Number	Payment Date	Payment
BARTLETT, PRINGLE & WOLF, LLP				8,400.00
	AUDIT SERVICES - 063023	2091	1/17/2024	8,400.00
BONDY GROUNDWATER CONSULTING, INC				228.50
	BONDY GROUNDWATER CONSULTING	2090	1/16/2024	228.50
BROWN INVESTMENTS INC				1,890.40
	GSA APPEAL REFUND	2121	4/24/2024	1,890.40
COASTAL VIEW NEWS				166.00
	PUBLIC HEARING - GSP - JANUARY	2092	1/17/2024	166.00
DAVID LELANDE				2,860.78
	GSA FEE APPEAL REFUND	2101	3/6/2024	2,860.78
ERROL L. MONTGOMERY & ASSOCIATES INC.				1,492.50
	GSP DEVELOPMENT - DECEMBER	2115	4/16/2024	1,492.50
FEDERAL PR TAX DEPOSIT				471.79
	EIN 85-4127111, JUNE 30, 2023 TAX PERIOD, FORM 941	2095	1/17/2024	129.53
	MEDICARE W/H	DFT0001664	3/22/2024	252.60
	FEDERAL W/H	DFT0001666	3/22/2024	89.66
FRUIT GROWERS LABORATORY, INC				4,841.00
	SENTRY WELL - GENERAL MINERAL	2093	1/17/2024	573.00
	INORGANIC ANALYSIS - AB3030	2093	1/17/2024	2,371.00
	SENTRY WELL - GENERAL MINERAL	2110	3/27/2024	605.00
	EL CARRO MONITORING WELL - GENERAL MINERAL	2110	3/27/2024	438.00
	EL CARRO MONITORING WELL - GENERAL MINERAL	2113	4/9/2024	447.00
	EL CARRO MONITORING WELL - GENERAL MINERAL	2119	4/24/2024	407.00
GAYNOR RANCH LLC				369.88
	GSA APPEAL REFUND	2122	4/24/2024	369.88
GROUNDWATER SOLUTIONS, INC.				61,692.50
	GSP DEVELOPMENT - DECEMBER	2097	1/30/2024	7,635.00
	GSP DEVELOPMENT - JANUARY	2099	2/28/2024	4,142.50
	GSP ANNUAL GROUNDWATER BASIN REPORT 2021-2023	2109	3/26/2024	20,906.25
	GSP ANNUAL GROUNDWATER BASIN REPORT 2021-2023	2117	4/23/2024	29,008.75
INFOSEND INC				469.23
	GSP NOTICES - 100523	2111	3/27/2024	469.23
JEHANNE BROWN				2,308.54
	GSA FEE APPEAL REFUND	2112	4/2/2024	2,308.54
MADELEINE BEAR				6,641.56
	GSA FEE APPEAL REFUND	2102	3/6/2024	6,641.56
MYERS, WIDDERS, GIBSON JONES & FEINGOLD, LLP				808.50
	GENERAL COUNSEL - JANUARY	2100	2/28/2024	318.50
	GENERAL COUNSEL - FEBRUARY	2107	3/13/2024	367.50
	GENERAL COUNSEL - MARCH	2120	4/24/2024	122.50
NORMA DELWICHE				5,961.42
	GSA FEE APPEAL REFUND	2108	3/20/2024	5,961.42
PACIFIC COAST WELL DRILLING, INC				62,302.50
	P63 - EL CARRO MONITORING WELL	2114	4/9/2024	62,302.50
PACIFIC SURVEYS, LLC				2,162.18
	SENTRY WELL	2104	3/6/2024	2,162.18
PUEBLO WATER RESOURCES, INC				14,095.85
	PROP68 PUEBLO WATER RESOURCES	2098	1/31/2024	7,740.00
	PROP68 PUEBLO WATER RESOURCES	2116	4/16/2024	6,355.85
SCOTT VAN DER KAR				597.61
	GSA FEE APPEAL REFUND	2105	3/6/2024	597.61
SIMPLE AVO CASITAS PASS LLC				2,017.28
	GSA APPEAL REFUND	2123	4/24/2024	2,017.28
STATE OF CALIFORNIA - EDD				157.73
	SIT W/H	DFT0001667	2/8/2024	105.61
	DE9	DFT0001667	2/8/2024	29.04
	SIT W/H	DFT0001665	3/7/2024	23.08
SUSAN D SIPLE TRUST				2,900.02
	GSA APPEAL REFUND	2124	4/24/2024	2,900.02
TRACY BETTLES				1,181.50
	GSA FEE APPEAL REFUND	2106	3/6/2024	1,181.50
US BANK				953.65
	FEB-24 BANK ANALYSIS FEE	DFT0001663	2/14/2024	296.19
	MAR-24 BANK ANALYSIS FEE	DFT0001668	3/14/2024	304.61
	APR-24 BANK ANALYSIS FEE	DFT0001686	4/12/2024	352.85
Total:				\$ 184,794.50



Carpinteria Groundwater Sustainability Agency

Carpinteria Groundwater Basin Water Years 2021–2023 Annual Report

April 1, 2024

Prepared by:

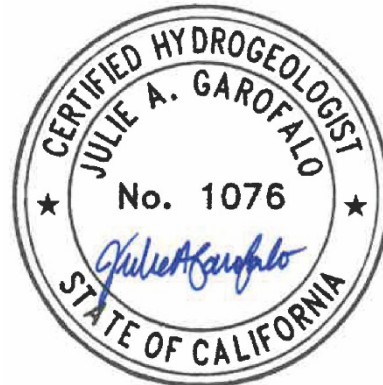
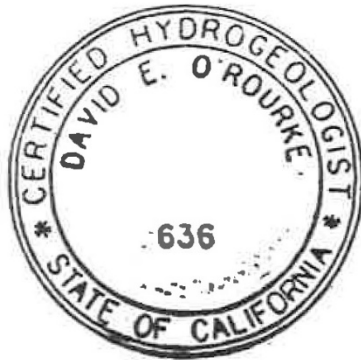
GSI Water Solutions, Inc.

800 Quintana Rd, Suite 2C, Morro Bay, CA 93442

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Carpinteria Groundwater Basin Water Years 2021-2023 Annual Report

This report was prepared by the staff of GSI Water Solutions, Inc., under the supervision of the professionals whose signatures appear below. The findings or professional opinion were prepared in accordance with generally accepted professional engineering and geologic practice.



Dave O'Rourke, PG, CHG
Principal Hydrogeologist
Project Manager

Julie Garofalo, PG, CHG
Managing Hydrogeologist

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Abbreviations and Acronyms

AF	acre-feet
AFY	acre-feet per year
amsl	above mean sea level
APN	Assessor Parcel Number
Basin	Carpinteria Groundwater Basin
bmsl	below mean sea level
CAPP	Carpinteria Advanced Purification Project
CGSA	Carpinteria Groundwater Sustainability Agency
CIMIS	California Irrigation Management Information System
COC	constituent of concern
CVWD	Carpinteria Valley Water District
DWR	California Department of Water Resources
GSA	Groundwater Sustainability Agency
GSP	Groundwater Sustainability Plan
IM	interim milestone
InSAR	Interferometric Synthetic Aperture Radar
mg/L	milligrams per liter
MO	measurable objective
MT	minimum threshold
RMS	representative monitoring site
SBCFCD	Santa Barbara County Flood Control District
SGMA	Sustainable Groundwater Management Act
SMCL	secondary maximum contaminant level
SU-1	Storage Unit No. 1
SU-2	Storage Unit No. 2
SYID #1	Santa Ynez Improvement District No. 1
SWP	State Water Project
SWRCB	State Water Resources Control Board
TDS	total dissolved solids
WY	water year

Annual Report Elements Guide and Checklist

California Code of Regulations – GSP Regulation Sections	Annual Report Elements	Location in Annual Report
Article 7	Annual Reports and Periodic Evaluations by the Agency	
§ 356.2	Annual Reports	
	Each Agency shall submit an annual report to the Department by April 1 of each year following the adoption of the Plan. The annual report shall include the following components for the preceding water year:	
	(a) General information, including an executive summary and a location map depicting the basin covered by the report.	Executive Summary (§356.2[a])
	(b) A detailed description and graphical representation of the following conditions of the basin managed in the Plan:	Section 2.4 Monitoring Networks (§356.2[b])
	(1) Groundwater elevation data from monitoring wells identified in the monitoring network shall be analyzed and displayed as follows:	Section 3 Groundwater Elevations (§356.2[b][1])
	(A) Groundwater elevation contour maps for each principal aquifer in the basin illustrating, at a minimum, the seasonal high and seasonal low groundwater conditions.	Section 3.2 Seasonal High and Low (Spring and Fall) (§356.2[b][1][A])
	(B) Hydrographs of groundwater elevations and water year type using historical data to the greatest extent available, including from January 1, 2015, to current reporting year.	Section 3.3 Hydrographs (§356.2[b][1][B], and Appendix D)
	(2) Groundwater extraction for the preceding water year. Data shall be collected using the best available measurement methods and shall be presented in a table that summarizes groundwater extractions by water use sector and identifies the method of measurement (direct or estimate) and accuracy of measurements, and a map that illustrates the general location and volume of groundwater extractions.	Section 4 Groundwater Extractions (§356.2[b][2])
	(3) Surface water supply used or available for use, for groundwater recharge or in-lieu use shall be reported based on quantitative data that describes the annual volume and sources for the preceding water year.	Section 5 Surface Water Use (§356.2[b][3])

California Code of Regulations – GSP Regulation Sections	Annual Report Elements	Location in Annual Report
Article 7	Annual Reports and Periodic Evaluations by the Agency	
§ 356.2	Annual Reports	
	(4) Total water use shall be collected using the best available measurement methods and shall be reported in a table that summarizes total water use by water use sector, water source type, and identifies the method of measurement (direct or estimate) and accuracy of measurements. Existing water use data from the most recent Urban Water Management Plans or Agricultural Water Management Plans within the basin may be used, as long as the data are reported by water year.	Section 6 Total Water Use (§356.2[b][4])
	(5) Change in groundwater in storage shall include the following:	Section 7 Change in Groundwater in Storage (§356.2[b][5])
	(A) Change in groundwater in storage maps for each principal aquifer in the basin.	Section 7.1 Annual Changes in Groundwater Elevation (§356.2[b][5][A])
	(B) A graph depicting water year type, groundwater use, the annual change in groundwater in storage, and the cumulative change in groundwater in storage for the basin based on historical data to the greatest extent available.	Section 7.2 Annual and Cumulative Change in Groundwater in Storage Calculations (§356.2[b][5][B])
	(c) A description of progress towards implementing the Plan, including achieving interim milestones, and implementation of projects or management actions since the previous annual report.	Section 9 Progress towards Basin Sustainability (§356.2[c])

Executive Summary (§ 356.2[a])

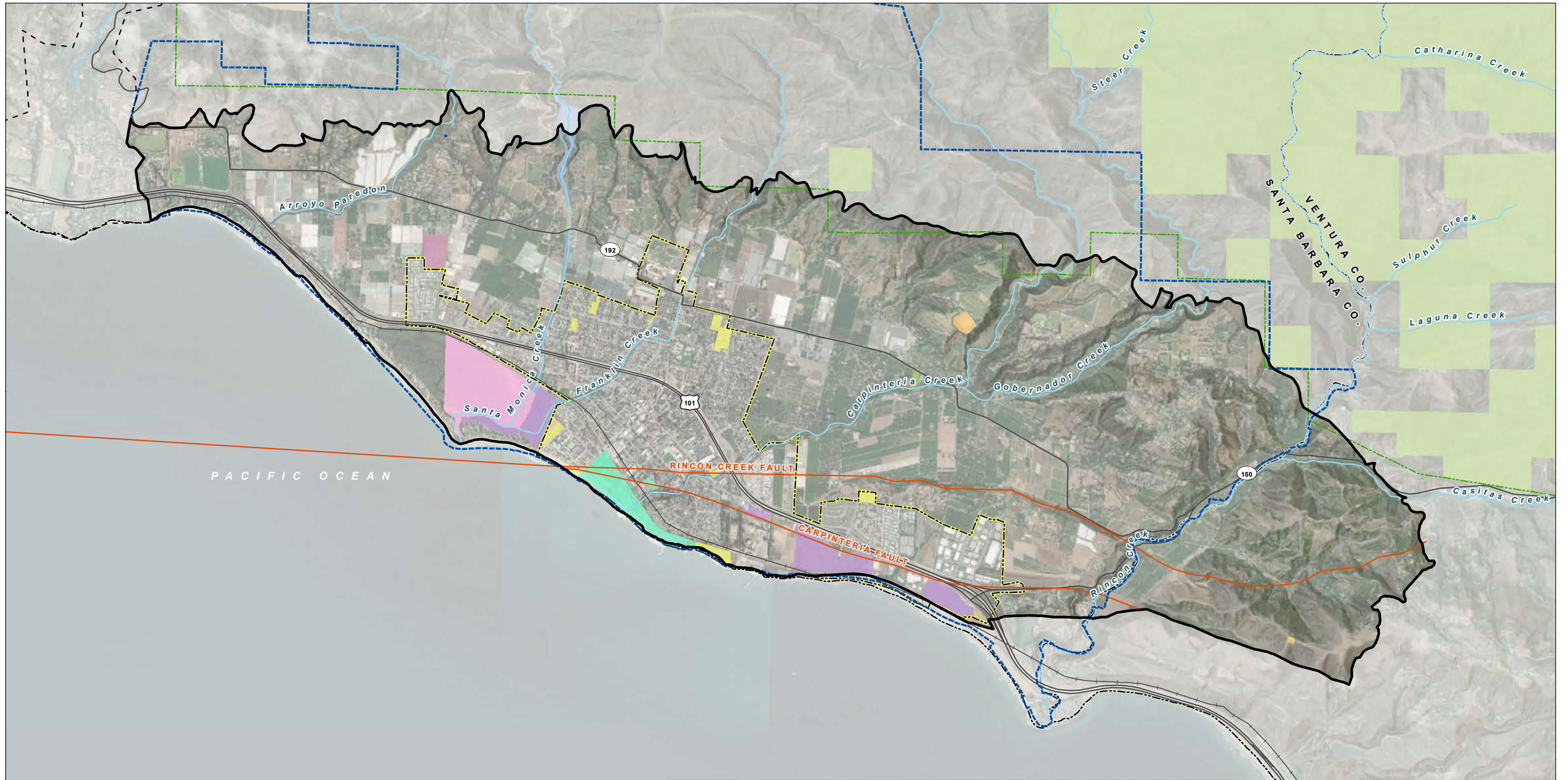
Introduction

This Carpinteria Groundwater Basin (Basin) Water Years (WYs) 2021–2023 Annual Report has been prepared in accordance with the Sustainable Groundwater Management Act (SGMA) regulations for Groundwater Sustainability Plans (GSPs). Pursuant to the SGMA regulations, a GSP Annual Report must be submitted to the California Department of Water Resources (DWR) by April 1 of each year following the adoption of the GSP.

The Basin (see Figure ES-1) was originally designated as a low-priority basin by DWR. In 2019, DWR conducted a basin reprioritization process that reclassified the Basin as a high-priority basin, resulting in the preparation of a GSP pursuant to Section 10720, et. seq., of the State Water Code as required by SGMA. With the adoption and submittal of the Basin GSP (CGSA, 2023) on January 24, 2024, the Carpinteria Groundwater Sustainability Agency (CGSA) is required to submit an annual report for the preceding water year (October 1 through September 30) to DWR by April 1 of each subsequent year. These annual reports will convey monitoring and water use data to the DWR and to Basin stakeholders on an annual basis to gauge performance of the Basin relative to the sustainability goals set forth in the GSP.

Sections of this Carpinteria Groundwater Basin WYs 2021–2023 Annual Report include the following:

- **Section 1. Introduction:** A brief background of the formation and activities of the CGSA and development and submittal of the GSP.
- **Section 2. Basin Setting and Monitoring Networks:** A summary of the Basin setting, Basin monitoring networks, and ways in which data are used for groundwater management.
- **Section 3. Groundwater Elevations (§356.2[b][1]):** A description of recent monitoring data with groundwater elevation contour maps for spring and fall monitoring events and representative hydrographs.
- **Section 4. Groundwater Extractions (§356.2[b][2]):** A compilation of metered and estimated groundwater extractions by land use sector and location of extractions.
- **Section 5. Surface Water Use (§356.2[b][3]):** A summary of reported surface water use.
- **Section 6. Total Water Use (§356.2[b][4]):** A presentation of total water use by source and sector.
- **Section 7. Change in Groundwater in Storage (§356.2[b][5]):** A description of the methodology and presentation of changes in groundwater in storage based on fall to fall groundwater elevation differences.
- **Section 8. Water Quality and Land Subsidence:** A summary of water quality data for the monitoring network wells and assessment of land subsidence Interferometric Synthetic Aperture Radar (InSAR) data reported by DWR.
- **Section 9. Progress towards Basin Sustainability (§356.2[c]):** A summary of management actions taken throughout the CGSA and individual entities towards sustainability of the Basin.



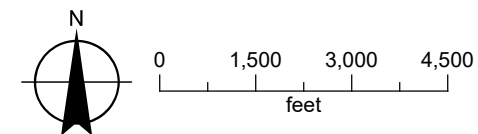
LEGEND

- | | | |
|--|---|---|
| <ul style="list-style-type: none"> Carpinteria Groundwater Basin Montecito Groundwater Basin Carpinteria Valley Water District Service Area Los Padres National Forest | <ul style="list-style-type: none"> California State Lands Commission Carpinteria Cemetery District Carpinteria, City of Land Trust for Santa Barbara County Santa Barbara Flood Control and Water Conserv. District Santa Barbara, County of USDA Forest Service University of California | <p>All Other Features</p> <ul style="list-style-type: none"> City Boundary County Boundary Fault Railroad Major Road Watercourse |
| <p>Land Ownership</p> <ul style="list-style-type: none"> Bureau of Reclamation California Department of Parks and Recreation | | |

FIGURE ES-1

Carpinteria Groundwater Basin Plan Area and Jurisdictional Areas

Carpinteria Groundwater Basin WYs 2021-2023 Annual Report



Groundwater Elevations

Groundwater elevations observed in the Basin during WY 2023 are generally higher than WYs 2021 and 2022 across a majority of the Basin due to above-average rainfall conditions during the winter of 2023. Positive and negative changes in groundwater elevations from year to year are observed in various parts of the Basin, as has been observed historically. Seasonal trends of slightly higher spring groundwater elevations compared with fall levels are observed annually.

Groundwater Extractions

Total groundwater extractions in the Basin for WY 2023 are estimated to be 4,301 acre-feet (AF), compared to groundwater extractions exceeding 5,800 AF for the two previous water years due to drought conditions. These totals include municipal public water system¹ pumping and private pumping (industrial and irrigated agricultural water demand). Table ES-1 summarizes the groundwater extractions by water use sector for each water year.

Table ES-1. Estimated Groundwater Extractions, Water Years 2020–2023

Water Year	Water Year Type	CVWD	Private Rural and Agricultural	Total (AF)
2020	Below Normal	888	4,437	5,325
2021	Critical	766	5,074	5,840
2022	Critical	2,117	4,811	6,928
2023	Wet	970	3,331	4,301
Method of Measure:		Metered	Estimated by Land Use	–
Level of Accuracy:		High	Medium	–

Notes

– = not applicable

AF = acre-feet

CVWD = Carpinteria Valley Water District

¹ A public water system is defined as a system that provides water for human consumption to 15 or more connections or regularly serves 25 or more people daily for at least 60 days out of the year

(https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/documents/waterpartnerships/what_is_a_public_water_sys.pdf).

Surface Water Use

The Basin currently benefits from surface water entitlements from the Cachuma Project and the State Water Project (SWP) to supplement municipal groundwater demands as well as irrigated agricultural demands in the Basin. The Carpinteria Valley Water District (CVWD) participates regularly in a SWP exchange program with the Santa Ynez Improvement District No. 1 (SYID #1), located downstream of Lake Cachuma. Under this exchange program, CVWD purchases SWP water and supplies it to SYID #1 for its use. In exchange, SYID #1 supplies an equal amount of Lake Cachuma water to CVWD. The volumes of surface water sources available for delivery to the Basin are heavily dependent on climatic conditions during any given water year. A summary of total actual surface water use by source for WYs 2021 through 2023 is provided in Table ES-2.

Table ES-2. Total Imported Surface Water Use by Source

Water Year	Water Year Type	Cachuma Project (AF)	State Water Project (AF)	SYID #1 Exchange (AF)	Total Surface Water Use (AF)
2020	Below Normal	3,077	0	279	3,356
2021	Critical	3,308	512	231	4,051
2022	Critical	895	1,397	93	2,385
2023	Wet	2,229	0	99	2,328

Notes

AF = acre-feet

SYID #1 = Santa Ynez Improvement District No. 1

Total Water Use

For WYs 2021 through 2023, quantification of total water use was completed through reporting of metered groundwater production data from CVWD (see Section 5), from metered surface water use, and from models used to estimate irrigated agricultural crop water supply requirements based on land uses and metered data. Table ES-3 summarizes the total annual water use in the Basin by source and water use sector.

Table ES-3. Total Water Use in the Basin by Source and Water Use Sector

Water Year	CVWD (AF)		Private Rural and Agricultural (AF)	Total (AF)
	Groundwater	Surface Water ¹	Groundwater	—
2021	766	4,051	5,074	9,891
2022	2,117	2,385	4,811	9,313
2023	970	2,328	3,331	6,629
Method of Measure:	Metered	Metered	Estimated by Land Use and Water Deliveries	—
Level of Accuracy:	High	High	Medium	—

Notes

— = not applicable

AF = acre-feet

Basin = Carpinteria Groundwater Basin

CVWD = Carpinteria Valley Water District

Change in Groundwater in Storage

The change in groundwater in storage in the Basin was calculated by taking the difference between groundwater elevations in successive fall monitoring events, and multiplying this volume by appropriate specific yield values documented in the Basin groundwater model. For this analysis, the fall 2021 groundwater elevations were subtracted from the fall 2020 groundwater elevations resulting in a map depicting the changes in groundwater elevations in Storage Unit No. 1 (SU-1) that occurred during WY 2021, and the same method was applied for fall to fall for subsequent WYs 2022 and 2023. Due to a lack of data and limited groundwater production in Storage Unit No. 2 (SU-2), the change in groundwater in storage analysis focuses on groundwater elevations and annual changes within SU-1.

The groundwater elevation change maps for WYs 2021 and 2022 show an annual decrease in fall to fall water levels, compared to WY 2023 where water levels generally increased over a majority of the Basin. The annual change of groundwater in storage calculated for WYs 2021 through 2023 is presented in Table ES-4. Increases of groundwater in storage are presented as positive numbers and decreases of groundwater in storage are presented as negative numbers.

Table ES-4. Estimated Annual Change in Groundwater in Storage in SU-1, Water Years 2021–2023

Water Year	Water Year Type	Annual Change in Groundwater in Storage in SU-1 (AF)
2021	Critical	-7,714
2022	Critical	-1,179
2023	Wet	12,071

Notes

AF = acre-feet

SU-1 = Storage Unit No. 1

Water Quality and Subsidence

Laboratory analytical analysis of groundwater samples from the Basin indicate concentrations of monitored constituents within their historical ranges. Nitrates are present in groundwater in the Basin from legacy agricultural practices, but none of the representative monitoring site (RMS) wells (which coincide with the CVWD production wells) had nitrate concentrations exceeding their minimum threshold (MT) for WYs 2021 through 2023. Additionally, concentrations for all other constituents of concern (COCs) for boron, chloride, and total dissolved solids (TDS) were below their respective MTs.

Land subsidence has not been historically documented in the Basin. InSAR data provided by DWR indicated no significant subsidence has occurred in the Basin over the three water years documented in this report.

Adoption and Submittal of the GSP to DWR

The GSP was finalized and unanimously adopted by the CGSA Board on January 24, 2024. The adopted GSP was submitted to DWR for review, and DWR's determination of the GSP is currently pending.

Progress towards Meeting Basin Sustainability

In WYs 2021, 2022, and 2023, there were exceedances of MTs for RMS wells in the monitoring networks for the water level and storage sustainability indicators or the water quality sustainability indicators.

Several projects and management actions are identified in the GSP to attain sustainability. These projects identify two categories of potential projects, Tier 1 and Tier 2 projects. Tier 1 projects are expected to be implemented within the first 5-year SGMA implementation period. Tier 2 projects will be evaluated and ranked during the first 5-year period for potential future implementation. Because there has been little time between the GSP adoption and the preparation of this Annual Report, there is not much significant updated information to report regarding progress toward sustainability in the Basin.

A significant addition to the Basin monitoring network was recently completed with the construction of three clustered monitoring wells monitoring the A, B, and C-zones of the Basin Aquifer. These wells are located in El Carro Park in the City of Carpinteria.

As described in the GSP, the Carpinteria Advanced Purification Project (CAPP) has been in development for the past several years. It is an Indirect Potable Reuse Project intended to inject advanced treated wastewater into the Basin Aquifer for later recovery by the CVWD. Since the submittal of the GSP in January 2024, the CVWD has learned that a \$10 Million of the Recycled Water Funding Program grant funding that had been earmarked for this project by the State Water Resources Control Board (SWRCB) has become unavailable as part of the State's management of recent budget shortfalls. This loss of planned funding, in addition to cost escalation indicated by a recently updated project cost estimate, may have the effect of slowing the schedule of planned implementation of this project.

The other Tier 1 projects discussed in the GSP are (1) the Sentinel Monitoring Well Network Expansion Project and the (2) Local Infrastructure Water System Interties Project. There has not been adequate time since the submission of the GSP to make significant progress on these projects.

Carpinteria GSA

COST OF SERVICE STUDY FY2025-2026

ESTIMATED GROUNDWATER EXTRACTION METHODOLOGY



CARPINTERIA GSA

Prepared by
CVWD Engineering
April 2024

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1. Executive Summary

1.1 Background of the Study

In September of 2014, the Sustainable Groundwater Management Act (SGMA) was passed which provided a framework for achieving sustainable groundwater management in previously unregulated basins throughout the State of California. The Department of Water Resources (DWR) ranked basins as high- medium- or low-priority basins and those categorized as high- or medium- priority were required to form Groundwater Sustainability Agencies (GSAs) and develop Groundwater Sustainability Plans (GSPs). Carpinteria Groundwater Basin (CGB) was initially designated as a low-priority basin; however, in 2019 DWR reclassified the CGB as a high-priority basin, requiring the establishment of a GSA and GSP.

The Carpinteria Groundwater Sustainability Agency (CGSA) was formed in February of 2020 and a Joint Powers Agreement (JPA) was established which is comprised of four member agencies: Carpinteria Valley water District (CVWD), City of Carpinteria, Santa Barbara County, and the County of Ventura. **Figure 1** outlines the CGB and its member agencies relative to the basin's boundary. The CVWD was awarded a \$1.9M grant on behalf of the CGSA to be used toward the GSP development and planning in 2020. Other costs associated with the GSP and CGSA were covered by loans from CVWD for fiscal years (FYs) 2020, 2021, and 2022 and repayment of these loans to CVWD is accounted for in the GSA's annual budget. Fiscal years begin July 1 and end June 30 of the following calendar year.

In FY2022, the CGSA hired *Raftelis* to carry out a fee study to determine the most equitable and easily implementable methodology for generating revenue to cover CGSA Phase 1 funding requirements. Phase 1 included the regulatorily required GSP development in addition to CGSA operations, administration, professional services, and establishment of a prudent cash reserves. The fee study that *Raftelis* completed did not include the direct GSP development costs covered by the DWR grant. Ultimately, the fee study found that distributing the CGSA fees based on the total acreage of the parcel overlying the CGB boundary was the most equitable way to implement the fee. This methodology was used for FY23 and FY24. If a parcel was only partially within the groundwater basin boundary, the parcel was only charged for the acreage that was overlapping. These fees were collected through Ventura and Santa Barbara county's property tax rolls.

The goal of the current study is to outline the new approach to collecting CGSA fees for FY25 and FY26, which is based on estimated groundwater extraction for private property owners and known groundwater extraction for CVWD. The purpose of this study is to describe the methodology to fulfil Prop 218 requirements, and to provide clarity on the current process, timeline, and the level of public outreach and public engagement that has been involved. In addition, we will describe the potential scenarios where estimated extractions were removed based on input from the property owner or estimated extractions were reduced on properties where owners reached out and provided supplemental information.

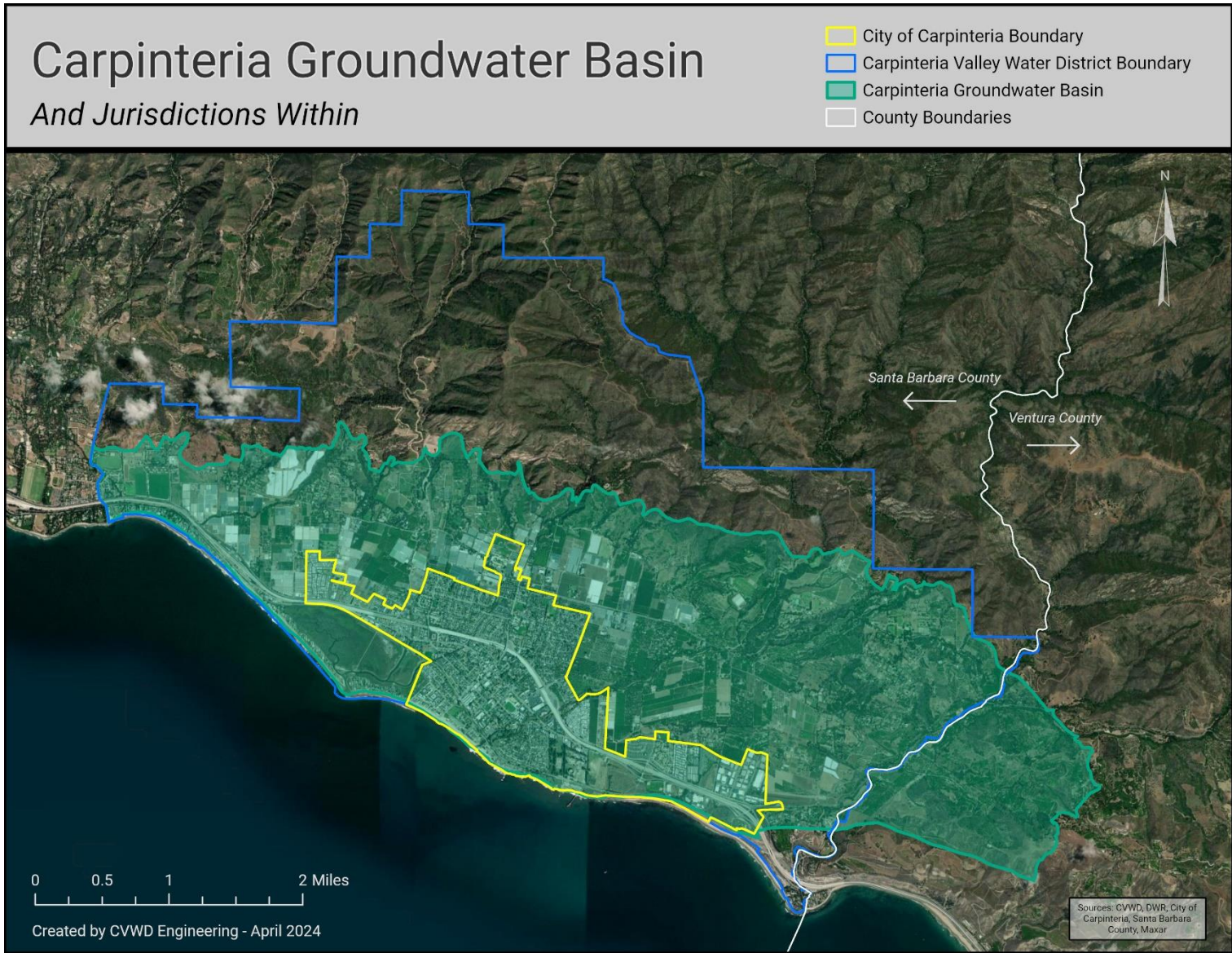


Figure 1. Map of the Carpinteria Groundwater Basin and jurisdictions within

1.2 Objectives of the Study and Data Gathering

1.2.1 Objectives

The objective of this study was to develop a new methodology that would allow the CGSA to move from parcel acreage-based CGSA fees to estimated pumping CGSA fees so that the groundwater monitoring and management required by SGMA would be funded by parcels directly benefiting from groundwater from the CGB. The Carpinteria Valley Water District (CVWD), who meters the quantity of groundwater they pump for the public water supply, would also be charged a CGSA fee as well for their extraction quantities. Through the CVWD being charged CGSA fees, CVWD customers indirectly benefitting from groundwater delivered through the public water supply, such as residential accounts without direct groundwater access, would be contributing to the CGSA fees indirectly through their CVWD monthly water bills. Prior to moving to the current methodology outlined in this document, in FYs 2023 and 2024, these residential accounts would have had a CGSA fee on their property tax statements that was proportional to the size of their property within the groundwater basin.

1.2.2 Data Gathering

With the planned move from acreage-based fees to estimated extraction-based fees, great efforts were undertaken to quality check existing private well data provided by Santa Barbara County's Environmental Health Services (EHS) department and Ventura County Watershed Protection District's Groundwater Section. Additionally, DWR's publicly available well completion reports provided on their Well Completion Report Map Application online were referenced as well. This local private well data is maintained in a geodatabase in a Geographic Information System (GIS) and updated by CVWD staff as new information becomes available. Although CVWD has a great deal of private groundwater information, Santa Barbara County's EHS department did not begin overseeing the permitting of private wells until after the passing of ordinance 2769 in October of 1975. Well construction data prior to 1975 are not well documented and, if old records do exist, the old paper records are difficult to track down. Additionally, there are several private wells with shared ownership. The CGSA is aware of several small private distribution systems of between two and fifteen owners sharing the same private well. Information about who is sharing groundwater across property lines is still being discovered through this process.

The current methodology calculates the total water demand of the parcel based on the crops present and subtracts the known CVWD metered water use to derive an estimated water extraction estimate. Water extraction estimates are calculated for any property where calculated water demand exceeds the known delivered water amount. Delivered water is only available from CVWD records and was not available for Casitas Municipal Water District (CMWD) or Rincon Road and Water Works customers. Through this process and direct-mailing property owners, the CGSA has learned more about properties served by other water agencies, well-sharing agreements, and properties that are diverting water from local creeks.

2. Previous Fee Study Methods

2.1 Previous Selected Approach

Ultimately, the selected fee structure for FY23 and FY24 was based on the total acreage of a parcel overlying the CGB. Acreages were provided to the CGSA from Santa Barbara and Ventura County’s GIS parcel dataset. If a property did not have a reported acreage in the dataset, such as condos with a shared common area, then the total acreage of the condo’s housing association was calculated and divided by the number of units to distribute the total acreage across the individual properties. The total budget for the CGSA was divided by the total acres overlying the basin to calculate the per-acre fee for the property owners.

2.2 Advantages and Disadvantages of Previous Method

There were several advantages to the previous approach, although some disadvantages were noted as well. The data necessary to calculate the CGSA fees for the acreage-based charges on an annual basis were readily available from Ventura and Santa Barbara County’s GIS data. Because the data was easy to access and the fee structure was straightforward, the administrative cost of performing this annual task was low. Processing the data and providing the fee list to each County to apply to the property tax rolls was non-burdensome and did not take much time.

However, the disadvantage of the acreage-based approach was that CGSA charges were not tied to groundwater extraction or direct groundwater benefit. Because charges were independent from groundwater use within the basin, the acreage-based fee-structure also did not incentivize groundwater conservation and the implementation of water-saving practices on agricultural properties using wells.

After implementing the parcel acreage-based CGSA fees for several FYs, the CGSA received feedback from the community that “the pumpers should be paying”. Through input from property owners and the Carpinteria Groundwater Sustainability Plan Advisory Committee (CGSPAC), it was determined that parcel-acreages may not be the best indicator of groundwater benefit and that an alternative method should be pursued.

2.3 Number of Parcels Impacted by Previous Method

The parcel acreage-based fee method impacted a very large number of properties. All properties whose boundaries intersected the boundary of the CGB were subject to CGSA fees on their property tax statements. The number of properties impacted by the acreage-based fee in FY2024 is outlined in **Table 1**.

Table 1. Number of Properties Impacted by Acreage-Based Fee in FY2024

County	Number of Properties
Ventura County	35
Santa Barbara County	4787
Grand Total	4822

3. Fiscal Year 2025 and Fiscal Year 2026 Approach

Many property owners expressed that the parcel acreage-based approach used in FYs 23 and 24 was not equitable. Their argument was that property size does not have a direct relationship to relative groundwater benefit, whether it be from a private well or CVWD metered water. There were situations discovered throughout this process where an agricultural customer had tens of acres overlying the groundwater basin that were native. These native areas had no additional water applied to the area and either could not be farmed due to conservation easements, poor environmental conditions, or perhaps were simply not accessible or worthwhile to farm; however, this acreage was still charged at \$48/acre or \$68/acre in FYs 23 and 24, respectively. After receiving public feedback and additional input from the GSPAC, the consensus was that charges should be based on groundwater extraction and charged to actual groundwater users rather than properties above the basin. This way, those who are benefitting from the groundwater directly are contributing to the cost of CGSA operations, GSP implementation, and state-mandated monitoring and reporting which helps to ensure that their properties continue to have access to adequate groundwater in the future. All private wells in the CGB are not configured with a water meter at this time, and existing meters may not necessarily function or be calibrated, so the approach that was used involved modeling estimated extraction for FYs 2025 and 2026.

3.1 Methodology

Since 2002, CVWD has been using GIS aerial imagery, metered consumption data, and statistical analysis of the derived data to evaluate land use activities and estimate private pumping in the CGB. Prior to 2002, CVWD estimated groundwater use, but relied heavily on the institutional knowledge of staff to update land use records on paper cards when changes in land use were noticed as a part of other District activities. First, crop boundaries are digitized, and acreages are calculated in GIS software. These crops and acreages are associated with a particular parcel. Then, crop factors are calculated for each crop type with data available in the Carpinteria Valley. Finally, the crop factors and acreages are used to derive water demand at the property level and known CVWD metered water use is subtracted to arrive at the estimated groundwater extraction for the parcel.

3.1.1 Crop Determinations

CVWD participates in a local aerial imagery acquisition project with other public agencies through the Channel Islands Regional GIS Collaborative (CIRGIS). CVWD obtains a 3-inch resolution aerial image of their jurisdiction every 2 years, which allows for the documentation of land use and crop changes over time. Each time a new aerial image is received, a GIS analyst examines the agricultural areas to adjust changes to crop boundaries or make note of any crop changes. Staff perform site visits or drive-by crop assessments if new crops are unknown or questionable. Through this biannual interpretation of imagery, crop acreages are calculated for each land use on a particular property. An overview of the crop types and boundaries derived from the 2022 aerial image, flown between August and September of 2022, is shown in **Figure 2**.

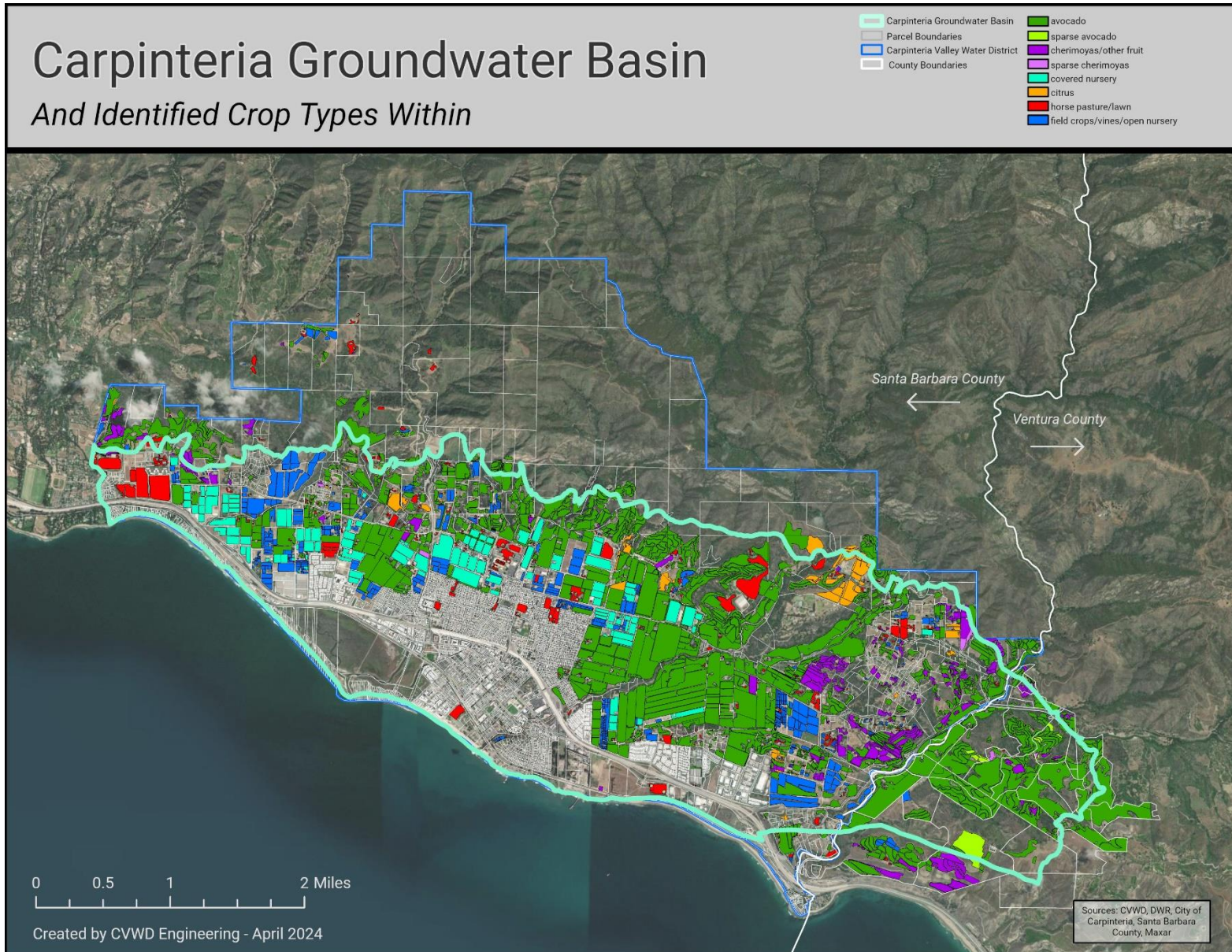


Figure 2. Map of the Carpinteria Groundwater Basin and Identified Crop Categories Within

3.1.2 Calculating Crop Factors

There are properties throughout the CGB and CVWD's water service area where there is primarily one type of crop grown, it is known that no private well water is being applied to the property, and only CVWD's water meter is used for irrigation. For these properties, the metered use for the period being studied is pulled into excel, converted from hundred cubic feet (HCF) to acre-feet, and then the water use in acre-feet is divided by the quantity of acres of the crop on the parcel. This value is what is called the crop factor for the parcel. The crop factors for multiple properties growing the same crop are compared and z-tests are applied to remove outliers to arrive at an average crop factor for the land use for the period of interest. The land use categories that crop factors are calculated for consist of: avocado, cherimoyas, covered nurseries, lawn, lemons, and open nurseries. Mixed crops and field crops have the open nursery crop factor applied, and other fruit crops have the cherimoya crop factor applied. The crop factor for lawn is applied to both turf and pasture. A summary of the crop factors calculated for FYs 2022 and 2023 are shown in **Table 2**.

Table 2. Crop Types and Calculated Crop Factors for FY2022 and FY2023

Crop type	Calculated Crop Factors - FY2022	Calculated Crop Factors - FY2023
Avocado	2.633	1.635
Cherimoyas	3.561	2.596
Covered Nursery	3.378	2.280
Lawn	2.963	2.284
Lemons	1.918	0.818
Open Nursery	2.137	2.275

3.1.2 Calculating Water Demand and Estimated Extraction at the Parcel Level

All land uses and their corresponding acreages are summarized at the parcel level. These acreages are then multiplied by their corresponding crop factors and summarized to arrive at an overall property water demand value. The known metered water use from CVWD records for the matching time period is then subtracted from the property's total water demand and the remaining value is considered to be their estimated groundwater use.

3.2 Advantages and Disadvantages of Current Method

There are several advantages to the current approach, although some disadvantages have been acknowledged. The benefit of this fee structure is that the groundwater users pay fees that are proportional to their groundwater use. Because of this, property owners are more incentivized to conserve groundwater resources and implement water-saving practices. Using this method, properties who directly benefit from groundwater contribute to the costs associated with the management and monitoring of this shared resource. The direct groundwater users are also those who care about the long-term sustainability and availability of groundwater in the Carpinteria Valley.

Some of the disadvantages of the estimated extraction-based method are that the process is much more burdensome from a staffing perspective and that the estimates may not be representative of an individual property owner's documented extraction. Analyzing the aerial imagery and creating crop maps

and estimates to mail to individual property owners on an annual basis takes much more time than the acreage-based approach. Through property owners sharing their meter logs and irrigation schedules with the CGSA, we have seen instances where the CGSA's estimates exceed documented metered water use (even after calibrating the metered use based on accuracy testing). This mathematically makes sense since outliers are removed for both high and low users and an average is applied to all parcels for that particular crop. This also means that high groundwater users could be getting under-charged. It has also been brought to the CGSA's attention that differences in the species of crop, density of plantings, ground slope, soil types, and age of the tree impact water application in ways that are not incorporated into the existing model.

The estimated extraction model is still the best available approach currently to distribute the costs to groundwater users. There is a high-cost associated with installing and reading individual well meters and more time is needed in order to establish and implement a metering program to more accurately measure and distribute fees.

4. Property Notifications, Public Outreach, and Community Engagement

4.1 Mailed Notices

In September and October of 2023, properties with estimated groundwater extraction estimates for FY2025 were contacted by mail to inform them that the CGSA's new crop-based model had estimated groundwater use for their property in FY2022 (July 1, 2021 through June 30, 2022). The FY2022 data is what is being used for FY2025 CGSA charges. Estimates at this time must be based on a trailing year due to the most recent aerial image available. Property owners were sent a letter (**Figure 3**) and a table (**Figure 4**) showing their property's water demand calculation minus their known CVWD metered water use, which was used to calculate the estimated groundwater extraction. Additionally, a map was enclosed showing the crop areas on the property using the aerial image flown in August and September of 2022. Property owners who contested the groundwater extraction estimates and did not use groundwater on their properties during FY2022 or property owners who did use groundwater during FY 2022, but who had alternate data indicating that the extraction estimate was incorrect, were required to contact the CGSA in writing by December 31, 2023. The CGSA worked with individual property owners to set up site visits and meetings as needed to better understand and examine the data before approving or rejecting any revisions.



CARPINTERIA GSA
GROUNDWATER SUSTAINABILITY AGENCY

1301 Santa Ynez Avenue
Carpinteria, CA 93013
805-263-4826

Robert McDonald, Executive Director

OWNER NAME
OWNER MAILING1
OWNER MAILING2

SUBJECT: GROUNDWATER EXTRACTION ESTIMATE FOR APN: XXX-XXX-XXX

Dear Owner,

Beginning in fiscal year 2025 (FY2025) the Carpinteria Groundwater Sustainability Agency (CGSA) will be collecting groundwater fees based on estimated groundwater extraction. The CGSA has estimated groundwater extraction based on crop types present on the subject property using aerial imagery and known billed meter consumption. The *reverse side of this page* shows the breakdown of the CGSA's groundwater estimate for the subject property, which will be used to calculate the CGSA fee for FY2025. A map showing the crop coverages used in these calculations is also included for you.

Please take the time to review this information. If you believe this information is not correct and that amendments are required, please contact the CGSA's Executive Director in writing by mailing a letter to the address listed above explaining the changes you are requesting for your property. The letter must be submitted by December 31, 2023.

We encourage you to sign up for additional information regarding the CGSA, Carpinteria Groundwater Sustainability Plan (GSP) development, and California's Sustainable Groundwater Management Act (SGMA). To sign up for e-mail updates, visit carpgsa.org. If you have any questions, please contact bob@cwvd.net or call 805-684-2816 extension 123.

Sincerely,

CARPINTERIA GROUNDWATER SUSTAINABILITY AGENCY

2023 - APN: «APN»

Figure 3. Letter template that was mailed out to property owners for FY2022

GROUNDWATER ESTIMATE FOR: XXX-XXX-XXX

Note: Values in table are rounded

Crop Type	Crop Acreage (acres)	Estimated water applied per acre (acre-feet/acre)	Total water use estimate (acre-feet)
avocado		2.63	0.00
avocado / cherimoyas		2.63	0.00
avocado / citrus		2.63	0.00
avocado / fruit		2.63	0.00
avocado / lemons		2.63	0.00
avocado / lemons / oranges		2.63	0.00
avocado / lemons / persimmons		2.63	0.00
avocado / sparse		1.76	0.00
cherimoyas		3.56	0.00
cherimoyas / avocado / lemons		3.56	0.00
cherimoyas / lemons		3.56	0.00
cherimoyas / passion fruit / zapote		3.56	0.00
cherimoyas / sparse		2.37	0.00
covered nursery		3.38	0.00
covered nursery / garden center		3.38	0.00
covered nursery / orchids		3.38	0.00
field crops / mixed crops		2.14	0.00
field crops / vines		2.14	0.00
fruit trees		3.56	0.00
grapes / vines		2.14	0.00
horse facilities / pasture		2.96	0.00
horse facilities / pasture & barn		2.96	0.00
horse facilities / pasture / pen		2.96	0.00
horse facilities / polo field		2.96	0.00
lawn		2.96	0.00
lemons		1.92	0.00
lemons / avocado		1.92	0.00
lemons / oranges		1.92	0.00
lemons / sparse		1.28	0.00
mixed orchard		3.56	0.00
olives		3.56	0.00
open nursery		2.14	0.00
open nursery / garden center		2.14	0.00
open nursery / palms		2.14	0.00
open nursery w shade cover		2.14	0.00
orchard / mixed		3.56	0.00
park / sports field		2.96	0.00
passion fruit		3.56	0.00
persimmons		3.56	0.00
persimmons / sparse		2.37	0.00
roses		2.14	0.00
stone fruit		3.56	0.00
vegetable garden		2.14	0.00

Known metered water use for FY2022 (July 1, 2021 – June 30, 2022): CVWD DATA HERE acre-feet
 Estimated Groundwater Use: FINAL CALCULATION HERE acre-feet

2023 - APN: «APN»

Figure 4. Table that was mailed out to property owners that was customized with their crop acreages, known CVWD metered water use, and final calculation for FY2022

4.2 Coastal View News Articles

The CVWD releases quarterly articles in the local newspaper, the Coastal View News (CVN), to keep the community apprised of major projects and news and to educate and inform their customers of the water supply outlook and conservation needs. The CGSA has used the CVWD's quarterly newspaper article timeslots to keep the Carpinteria Valley up to date with these recent changes to the CGSA fee structure and SGMA updates. Articles were published on the following dates discussing the change in methodology from acreage-based fees to estimated extraction-based fees and referenced the mailed estimates. The article published in November of 2023 stressed the need for owners to contact the CGSA for any amendments to the mailed estimates before the end of the calendar year.

- *Estimated Groundwater Extraction in the Carpinteria Groundwater Basin*
 - November 16, 2023
- *Carpinteria Groundwater Sustainability Agency: SGMA, CGSA History, and Updates*
 - February 15, 2023

4.3 Groundwater Sustainability Plan Advisory Committee

The CGSA gathered local stakeholders to form a Groundwater Sustainability Plan Advisory Committee (GSPAC) to help inform the preparation of the GSP. The CGSA's desire was to engage a diverse group of stakeholders to discuss groundwater sustainability and hear from different backgrounds in the Carpinteria Valley. The GSPAC's consensus was that groundwater extraction should be the basis for CGSA charges, which was one of the factors that prompted the change from acreage-based fees to estimated groundwater extraction-based fees.

4.4 Future Planned Property Notifications

In the fall of 2024, properties with estimated groundwater extraction estimates for FY2023, which will be used for FY2026 CGSA charges, will also be sent letters, tables outlining their extraction estimates, and maps of the associated crops. The FY2023 data used for FY2026 CGSA fees will also be based on the 2022 aerial imagery. New aerial imagery will be flown in 2024 for future use.

5. Eligibility for Fee Adjustment or Removal

Property owners who responded to the estimated groundwater extraction estimates in writing with letters or e-mails as required were eligible to have their fees adjusted or removed if adequate data was provided or site visits were performed. Data that was evaluated contained a mixture of:

- CMWD water bills
- Rincon Road and Water Works water bills
- Southern California Edison (SCE) bills for private water well pumps
- Irrigation Schedules for the time period with known hours and gallons applied per minute, gallons per hour, or gallons per emitter per tree and number of trees
- Logs of private well meter reads for the time period
- Site visits to properties to obtain global navigation satellite system (GNSS) points of wells to determine whether they fell within or outside of the CGB boundary
- Site visits to properties to examine private shared groundwater distribution systems

If property owners stated that no groundwater was applied to their property during FY2022, a GIS search and/or public records request was sent to Santa Barbara County's EHS department if one had not been sent already. Ventura County had already previously delivered private well data for the Ventura County parcels intersecting the CGB. If wells did exist on the parcel and claims were made that the well was inactive or not in use during FY2022, a site visit was required to be performed to examine the status of the well and get a GNSS point if one had not been obtained by CVWD staff previously. If a well existed on a parcel, but it was uncertain whether it truly fell within the groundwater basin then a site visit was performed to get a GNSS point to prove it was or was not within the basin.

If power was hooked up to the well, then Southern California Edison (SCE) bills were required to be provided for FY2022 to verify that the well pump was not used. If SCE bills did not indicate no energy use at the well pump during FY2022 then the charges were not removed. If the well was inactive with no equipment installed within it or SCE bills demonstrated the pump was not used during this time, then the CGSA fee was eligible to be removed. Property owners who claimed no groundwater was applied and whose claims were accepted and approved by the CGSA will be sent affidavits that must be signed and returned to the CGSA by June 1, 2024 for the fees to be removed in FY2025 and FY2026.

6. CGSA Budget and Calculation of the Fee per Acre-Foot

6.1 GSA Budget for FY2025 and FY2026

The CGSA plans to adopt the budget outlined in **Table 3** for FY2025 and FY2026 on June 4, 2024.

Table 3. CGSA Proposed Budget

Fiscal Year	Budget
FY2025	\$485,000
FY2026	\$500,000
Grand Total	\$985,000.00

The budget serves as the numerator in the equation used to determine the cost per acre-foot of groundwater extracted.

6.2 Estimated Extraction Calculated in FY2025 and FY2026 and Fee Options

Using the methodology described within this document, the total estimated groundwater extraction was calculated for FY2025 and FY2026 after examining all parcels intersecting the groundwater basin boundary in any capacity. Property owners who contacted the CGSA for amendments or fee removals and who were able to provide sufficient evidence of no groundwater use during FY2022 were removed from the overall estimated extraction for that year prior to calculating the fees (**Tables 4 & 5**). Those who claimed that groundwater was not applied on their parcel will still need to sign and return affidavits for fees to not apply to their property in FY2025 and FY2026.

The estimated groundwater extraction for Ventura and Santa Barbara County parcels and known groundwater extraction for CVWD during FY2022, which is the period used for the FY2025 fees, amounted to 7,545.465 acre-feet. With a proposed total budget of \$485,000, this would make the FY2025 charge \$64.28 per acre-foot, or \$65.00 if rounded to the next whole number.

Table 4. Proposed FY2025 Fee

FY2025 CGSA PLANNED BUDGET: \$485,000		
Category	Number of properties	Estimated acre-feet of groundwater after removing appeals/making adjustments from those who sent in letters
Ventura County parcels	12	507.874
Santa Barbara County parcels	343	5,060.551
Carpinteria Valley Water District	(3 CVWD wells)	1,977.04
Grand Totals	355	7,545.465
CGSA Fee (Budget/total estimated acre-feet)	\$64.28	

The estimated groundwater extraction for Ventura and Santa Barbara County parcels and known groundwater extraction for CVWD during FY2023, which is the period which will be used for the FY2026 fees, amounted to 4,951.937 acre-feet. With a proposed total budget of \$500,000, this would make the proposed FY2026 charge \$100.97 per acre-foot, or \$101.00 if rounded to the next whole number.

Table 5. Proposed FY2026 Fee

FY2026 CGSA PROPOSED BUDGET: \$500,000		
Category	Number of properties	Estimated acre-feet of groundwater after removing appeals/making adjustments from those who sent in letters
Ventura County parcels	11	311.166
Santa Barbara County parcels	337	3349.48
Carpinteria Valley Water District	(3 CVWD wells)	1291.291
Grand Totals	348	4951.937
CGSA Fee (Budget/total estimated acre-feet)	\$100.97	

After evaluating the proposed FY2025 and FY2026 charges per acre-foot, it became apparent that the decrease in CVWD groundwater extraction and reduction in overall groundwater use in FY2023 resulted in fees that were substantially higher for private property owners in FY2026. The decision was made to examine the total calculated estimated groundwater extraction for both FY2025 and FY2026 as a whole and divide it by the total estimated groundwater extraction across the two-year period to arrive at a fee that would generate the same amount of revenue over the course of the two-years (**Table 6**). The total revenue proposed to be needed for FY2025 and FY2026 is \$985,000 and the total estimated

extraction over the two years is 12,497.102. This results in a flat fee for FY2025 and FY2026 of \$79.00 (rounded to the nearest whole number) for each acre-foot of water. This \$79 charge was the per-acre-foot fee that the CGSA has proposed to move forward with as to not have fees increase from \$65 to \$101 from one year to the next.

Table 6. Proposed Combined FY2025 & FY2026 Fee to Adjust

Fiscal Year	Fiscal Year Amended Budget	Estimated acre-feet of groundwater after removing appeals/making adjustments from those who sent in letters
FY2025	\$485,000	7,545.465
FY2026	\$500,000	4951.937
Grand Totals	\$985,000.00	12,497.402
CGSA Fee (FY 25 & 26 Budget/total estimated acre-feet for both years)	\$78.82	

APPENDIX A: IMPACTED PARCELS IN VENTURA COUNTY FOR FY2025

Number (Count) of Ventura County Parcels	Parcel Number
1	008-0-160-355
2	008-0-160-365
3	008-0-160-415
4	008-0-160-460
5	008-0-160-470
6	008-0-160-480
7	008-0-160-490
8	008-0-160-500
9	008-0-200-015
10	008-0-200-055
11	008-0-200-095
2	008-0-200-105
13	008-0-200-265
14	008-0-200-295
15	008-0-200-305
16	008-0-200-325
17	008-0-200-335
18	008-0-210-010
19	008-0-210-020
20	008-0-210-030
21	008-0-210-040
22	008-0-210-055
23	008-0-210-195
24	008-0-210-205
25	008-0-210-215
26	008-0-210-225
27	008-0-220-060
28	008-0-220-085
29	008-0-220-095
30	008-0-220-110
31	008-0-220-150
32	008-0-220-170

APPENDIX B: IMPACTED PARCELS IN SANTA BARBARA COUNTY FOR FY2025

Number (Count) of Santa Barbara County Parcels	Parcel Number
1	155-260-035
2	155-260-001
3	001-050-018
4	001-130-004
5	004-002-024
6	001-200-023
7	005-430-048
8	155-170-060
9	001-040-002
10	155-260-034
11	001-080-014
12	001-030-030
13	001-020-008
14	001-020-010
15	001-020-015
16	001-020-022
17	001-020-030
18	001-020-033
19	001-020-041
20	001-020-042
21	001-030-022
22	001-030-023
23	001-030-027
24	001-030-029
25	001-030-031
26	001-030-037
27	001-040-012
28	001-040-014
29	001-040-028
30	001-040-033
31	001-040-034
32	001-040-038
33	001-040-039
34	001-050-009
35	001-050-011

Number (Count) of Santa Barbara County Parcels	Parcel Number
36	001-050-028
37	001-050-031
38	001-050-034
39	001-050-036
40	001-050-037
41	001-050-039
42	001-050-040
43	001-060-001
44	001-060-027
45	001-060-030
46	001-060-040
47	001-060-042
48	001-060-043
49	001-060-053
50	001-060-057
51	001-060-059
52	001-080-007
53	001-080-008
54	001-080-009
55	001-080-011
56	001-080-018
57	001-080-019
58	001-080-025
59	001-080-031
60	001-080-039
61	001-080-046
62	001-080-051
63	001-080-053
64	001-080-056
65	001-080-057
66	001-090-002
67	001-090-007
68	001-090-008
69	001-090-009
70	001-090-010
71	001-090-024
72	001-090-030
73	001-090-034
74	001-090-035

Number (Count) of Santa Barbara County Parcels	Parcel Number
75	001-090-040
76	001-090-047
77	001-090-049
78	001-101-013
79	001-101-014
80	001-101-030
81	001-101-035
82	001-101-043
83	001-101-045
84	001-101-046
85	001-101-047
86	001-101-048
87	001-101-049
88	001-101-060
89	001-110-035
90	001-120-019
91	001-120-028
92	001-120-030
93	001-130-010
94	001-130-026
95	001-140-024
96	001-140-026
97	001-140-027
98	001-150-024
99	001-160-016
100	001-160-017
101	001-160-019
102	001-160-024
103	001-160-031
104	001-160-032
105	001-190-006
106	001-190-042
107	001-200-005
108	001-200-006
109	001-200-007
110	001-200-018
111	001-200-020
112	001-200-021
113	001-220-087

Number (Count) of Santa Barbara County Parcels	Parcel Number
114	001-300-045
115	001-300-046
116	001-440-003
117	001-440-005
118	001-450-006
119	001-450-007
120	004-002-002
121	004-002-007
122	004-002-010
123	004-002-014
124	004-002-016
125	004-002-025
126	004-002-026
127	004-002-029
128	004-002-030
129	004-002-032
130	004-002-038
131	004-003-003
132	004-003-005
133	004-003-007
134	004-003-008
135	004-003-010
136	004-003-011
137	004-004-006
138	004-004-007
139	004-004-012
140	004-004-016
141	004-004-018
142	004-004-025
143	004-004-026
144	004-004-032
145	004-004-033
146	004-004-034
147	004-004-035
148	004-004-037
149	004-004-040
150	004-004-042
151	004-004-043
152	004-004-045

Number (Count) of Santa Barbara County Parcels	Parcel Number
153	004-005-001
154	004-005-002
155	004-013-001
156	004-013-005
157	004-013-007
158	004-013-008
159	004-013-009
160	004-013-010
161	004-013-011
162	004-013-023
163	005-270-006
164	005-270-029
165	005-280-015
166	005-280-024
167	005-280-026
168	005-280-027
169	005-280-029
170	005-280-031
171	005-280-032
172	005-280-040
173	005-280-041
174	005-310-012
175	005-310-013
176	005-310-027
177	005-320-013
178	005-320-024
179	005-320-032
180	005-320-040
181	005-430-007
182	005-430-009
183	005-430-018
184	005-430-026
185	005-430-027
186	005-430-038
187	005-430-043
188	005-430-049
189	005-430-050
190	005-430-060
191	155-150-024

Number (Count) of Santa Barbara County Parcels	Parcel Number
192	155-160-020
193	155-160-021
194	155-170-025
195	155-170-041
196	155-170-059
197	155-170-075
198	155-170-090
199	155-170-092
200	155-180-010
201	155-180-032
202	155-180-037
203	155-180-048
204	155-180-049
205	155-180-069
206	155-180-077
207	155-180-078
208	155-180-084
209	155-180-091
210	155-200-032
211	155-200-078
212	155-200-079
213	155-260-018
214	155-260-019
215	155-260-022
216	001-070-015
217	001-060-060
218	005-270-042
219	005-270-018
220	004-002-005
221	155-170-091
222	001-130-024
223	001-261-004
224	001-291-001
225	004-005-004
226	004-005-005
227	001-220-017
228	001-220-089
229	001-220-025
230	001-220-026

Number (Count) of Santa Barbara County Parcels	Parcel Number
231	001-220-073
232	001-460-013
233	001-200-016
234	001-200-017
235	001-080-033
236	001-080-042
237	001-180-026
238	001-080-002
239	001-080-030
240	001-080-040
241	001-060-028
242	001-060-029
243	001-020-006
244	001-020-031
245	001-020-011
246	155-260-020
247	155-260-021
248	155-260-036
249	001-020-038
250	001-020-039
251	155-200-092
252	155-200-091
253	155-260-037
254	155-260-038
255	001-030-033
256	001-030-035
257	001-030-021
258	001-030-028
259	001-020-025
260	001-020-026
261	001-030-034
262	001-030-036
263	155-200-082
264	155-200-084
265	001-080-032
266	001-080-044
267	001-080-015
268	001-080-016
269	001-080-017

Number (Count) of Santa Barbara County Parcels	Parcel Number
270	001-090-045
271	001-090-046
272	001-040-040
273	001-040-041
274	001-040-043
275	001-040-044
276	001-040-025
277	001-040-026
278	001-040-004
279	155-200-089
280	155-200-090
281	001-040-035
282	155-200-057
283	001-040-005
284	001-050-001
285	155-200-080
286	001-090-037
287	001-090-038
288	001-090-011
289	001-090-012
290	001-090-028
291	001-090-032
292	001-090-033
293	001-040-017
294	001-050-006
295	001-050-005
296	001-050-004
297	001-050-010
298	001-130-015
299	001-130-016
300	001-130-017
301	001-130-018
302	001-160-002
303	001-050-032
304	001-050-027
305	001-050-052
306	001-050-053
307	001-050-055
308	001-160-028

Number (Count) of Santa Barbara County Parcels	Parcel Number
309	001-160-015
310	155-200-095
311	155-200-096
312	155-200-093
313	155-200-094
314	001-101-040
315	001-200-009
316	001-200-024
317	001-200-029
318	001-110-032
319	001-110-033
320	001-040-048
321	001-090-023
322	155-260-026
323	155-260-027
324	004-004-013
325	001-020-034
326	001-020-035
327	155-260-032
328	155-260-033
329	155-260-030
330	155-260-031
331	001-020-036
332	001-020-037
333	005-430-004
334	005-430-057
335	005-270-034
336	155-140-074
337	155-140-075
338	155-140-073
339	005-280-004
340	155-160-013
341	005-280-033
342	155-160-011
343	005-280-039
344	155-160-016
345	005-310-021
346	005-310-026
347	005-310-024

Number (Count) of Santa Barbara County Parcels	Parcel Number
348	155-170-022
349	155-170-024
350	004-013-002
351	004-013-003
352	004-013-024
353	503-059-001
354	004-002-027
355	004-002-028
356	004-004-005
357	004-003-001
358	004-003-002
359	155-180-031
360	004-004-001
361	155-180-061
362	155-180-045
363	155-260-003
364	155-180-067
365	155-260-004
366	155-260-006
367	155-260-007
368	155-260-008

**APPENDIX C: IMPACTED AGRICULTURAL AREAS IN SANTA BARBARA
COUNTY WITHOUT AN APN FOR FY2025**

Number (Count) of Agricultural Areas without an APN	Parcel Number
1	Agricultural easement on Casitas Pass Road between US 101N and Cameo Road

APPENDIX D: IMPACTED PARCELS IN VENTURA COUNTY FOR FY2026

Number (Count) of Ventura County Parcels	Parcel Number
1	0080160355
2	0080160365
3	0080160415
4	0080160460
5	0080160470
6	0080160480
7	0080160490
8	0080160500
9	0080200015
10	0080200055
11	0080200095
12	0080200105
13	0080200265
14	0080200295
15	0080200305
16	0080200325
17	0080200335
18	0080210020
19	0080210030
20	0080210040
21	0080210055
22	0080210195
23	0080210205
24	0080210215
25	0080210225
26	0080220060
27	0080220085
28	0080220095
29	0080220110
30	0080220150
31	0080220170

APPENDIX E: IMPACTED PARCELS IN SANTA BARBARA COUNTY FOR FY2026

Number (Count) of Santa Barbara County Parcels	Parcel Number
1	155-260-035
2	155-260-001
3	001-050-018
4	001-130-004
5	004-002-024
6	001-200-023
7	005-430-048
8	155-170-060
9	001-040-002
10	155-260-034
11	001-080-014
12	001-030-030
13	155-180-048
14	001-130-010
15	001-050-039
16	001-120-030
17	004-004-025
18	005-280-024
19	001-101-035
20	001-150-024
21	001-200-007
22	001-140-024
23	155-180-049
24	155-180-010
25	001-160-031
26	001-020-042
27	005-320-041
28	155-180-037
29	001-160-024
30	155-170-090
31	001-080-053
32	001-050-028
33	001-160-019
34	001-080-057
35	004-004-038

Number (Count) of Santa Barbara County Parcels	Parcel Number
36	001-140-027
37	004-002-038
38	005-430-018
39	004-013-009
40	001-160-016
41	001-040-038
42	001-080-039
43	001-110-035
44	001-450-007
45	004-004-007
46	001-050-031
47	004-004-042
48	001-080-051
49	001-300-046
50	005-320-032
51	001-090-002
52	005-280-014
53	004-004-035
54	001-200-020
55	001-080-046
56	001-101-043
57	005-320-024
58	001-130-026
59	001-101-014
60	001-120-019
61	004-004-006
62	001-190-042
63	001-050-009
64	005-430-049
65	004-013-008
66	001-220-087
67	004-004-045
68	001-080-056
69	155-180-078
70	004-004-034
71	001-200-018
72	155-180-032
73	001-030-029
74	001-440-003

Number (Count) of Santa Barbara County Parcels	Parcel Number
75	001-050-036
76	001-050-034
77	004-002-010
78	001-200-005
79	001-450-006
80	001-090-030
81	004-002-032
82	155-160-021
83	005-280-031
84	001-080-019
85	004-005-002
86	155-180-091
87	001-120-028
88	005-280-032
89	001-060-030
90	155-170-075
91	004-003-007
92	001-040-039
93	001-080-045
94	005-280-015
95	001-050-040
96	001-040-014
97	155-200-079
98	001-020-032
99	001-101-030
100	005-270-029
101	005-430-027
102	005-280-026
103	001-140-026
104	001-050-011
105	155-170-092
106	001-090-040
107	004-013-011
108	004-004-037
109	005-280-025
110	005-430-007
111	005-430-060
112	005-310-013
113	001-090-024

Number (Count) of Santa Barbara County Parcels	Parcel Number
114	155-180-069
115	001-060-001
116	004-002-030
117	004-003-005
118	155-170-041
119	001-020-022
120	001-060-043
121	001-040-033
122	005-270-006
123	005-430-038
124	001-060-042
125	001-101-045
126	005-280-027
127	155-260-019
128	001-080-025
129	155-180-077
130	155-150-024
131	005-430-050
132	004-005-001
133	001-101-048
134	155-260-022
135	001-020-041
136	001-090-009
137	001-020-008
138	004-004-018
139	155-160-020
140	001-101-047
141	005-310-012
142	001-040-028
143	004-002-002
144	001-200-021
145	001-101-046
146	004-013-010
147	001-090-010
148	001-090-049
149	155-170-059
150	005-430-009
151	001-101-060
152	004-002-007

Number (Count) of Santa Barbara County Parcels	Parcel Number
153	004-002-014
154	004-004-026
155	004-013-001
156	004-004-043
157	155-180-084
158	004-004-016
159	004-013-023
160	004-003-011
161	001-030-031
162	004-004-032
163	001-060-059
164	004-002-029
165	005-280-041
166	001-020-030
167	001-060-040
168	001-080-031
169	001-440-005
170	005-280-040
171	001-030-022
172	001-060-027
173	001-090-007
174	004-003-010
175	005-430-043
176	004-013-005
177	155-200-078
178	001-200-006
179	004-002-026
180	001-090-008
181	001-030-037
182	001-080-008
183	001-090-034
184	001-040-012
185	001-090-047
186	001-030-023
187	004-004-012
188	001-080-007
189	001-160-017
190	155-200-032
191	001-020-010

Number (Count) of Santa Barbara County Parcels	Parcel Number
192	004-013-007
193	155-170-025
194	004-003-008
195	004-002-025
196	001-080-011
197	001-040-034
198	001-060-057
199	001-030-027
200	001-101-049
201	001-020-033
202	001-090-035
203	001-060-053
204	001-160-032
205	004-003-003
206	001-190-006
207	001-020-015
208	001-020-006
209	001-020-011
210	001-020-025
211	001-020-026
212	001-020-031
213	001-020-034
214	001-020-035
215	001-020-036
216	001-020-037
217	001-020-038
218	001-020-039
219	001-030-028
220	001-030-033
221	001-030-034
222	001-030-035
223	001-030-036
224	001-040-004
225	001-040-005
226	001-040-017
227	001-040-025
228	001-040-026
229	001-040-035
230	001-040-040

Number (Count) of Santa Barbara County Parcels	Parcel Number
231	001-040-041
232	001-040-043
233	001-040-044
234	001-040-048
235	001-050-001
236	001-050-005
237	001-050-006
238	001-050-027
239	001-050-032
240	001-050-052
241	001-050-053
242	001-050-055
243	001-060-028
244	001-060-029
245	001-060-060
246	001-070-015
247	001-080-002
248	001-080-015
249	001-080-016
250	001-080-017
251	001-080-030
252	001-080-032
253	001-080-033
254	001-080-035
255	001-080-040
256	001-080-041
257	001-080-042
258	001-080-044
259	001-090-011
260	001-090-012
261	001-090-023
262	001-090-028
263	001-090-032
264	001-090-033
265	001-090-037
266	001-090-038
267	001-090-045
268	001-090-046
269	001-101-040

Number (Count) of Santa Barbara County Parcels	Parcel Number
270	001-110-032
271	001-110-033
272	001-130-015
273	001-130-016
274	001-130-017
275	001-130-018
276	001-160-002
278	001-160-015
279	001-180-026
280	001-200-009
281	001-200-016
282	001-200-017
283	001-200-024
284	001-200-029
285	001-220-017
286	001-220-025
287	001-220-026
288	001-220-073
289	001-220-089
290	001-261-004
291	001-291-001
292	001-460-013
293	004-002-005
294	004-002-027
295	004-002-028
296	004-003-001
297	004-003-002
298	004-004-001
299	004-004-005
300	004-004-013
300	004-005-004
301	004-005-005
302	004-013-002
303	004-013-003
304	004-013-024
305	005-270-018
306	005-270-034
307	005-270-042
308	005-280-004

Number (Count) of Santa Barbara County Parcels	Parcel Number
309	005-280-033
310	005-280-039
311	005-310-007
312	005-310-021
313	005-310-024
314	005-310-026
315	005-430-004
316	005-430-057
317	155-140-073
318	155-140-074
319	155-140-075
320	155-160-011
321	155-160-013
322	155-160-016
323	155-170-011
324	155-170-022
325	155-170-024
326	155-170-091
327	155-180-031
328	155-180-045
329	155-180-061
330	155-180-067
331	155-180-073
332	155-200-057
333	155-200-080
334	155-200-082
335	155-200-084
336	155-200-089
337	155-200-090
338	155-200-091
339	155-200-092
340	155-200-093
341	155-200-094
342	155-200-095
343	155-200-096
344	155-260-003
345	155-260-004
346	155-260-006
347	155-260-007

Number (Count) of Santa Barbara County Parcels	Parcel Number
348	155-260-008
349	155-260-020
350	155-260-021
351	155-260-026
352	155-260-027
353	155-260-030
354	155-260-031
355	155-260-032
356	155-260-033
357	155-260-036
358	155-260-037
359	155-260-038
360	503-059-001

**APPENDIX F: IMPACTED AGRICULTURAL AREAS IN SANTA BARBARA
COUNTY WITHOUT AN APN FOR FY2026**

Number (Count) of Agricultural Areas without an APN	Parcel Number
1	Agricultural easement on Casitas Pass Road between US 101N and Cameo Road



Carpinteria Groundwater Sustainability Agency

Statement of Net Position

(unaudited)

As Of: 03/31/2024

Account	Name	Balance	
Assets			
20-1029	CGSA CHECKING	242,812	
20-1240	GSA GRANT REIMB RECEIVABLE	1,025,788	
20-1245	GSA ASSESSMENTS RECEIVABLE	4,303	
20-1820	CONSTRUCTION IN PROGRESS	688,584	
	Total Assets:	1,961,487	<u>\$ 1,961,487</u>
Liabilities			
20-2000	ACCOUNTS PAYABLE - CGSA	5,420	
20-2032	STATE TAX PAYABLE	-	
20-2033	FEDERAL TAX PAYABLE	-	
20-2034	FICA PAYABLE	-	
20-2205	RETENTIONS PAYABLE	67,577	
20-2250	CVWD PROMISSORY NOTE	740,000	
20-2523	DUE TO CVWD	814,599	
	Total Liability:	1,627,596	
Fund Balance			
20-3050	CGSA FUND BALANCE	(211,129)	
	Total Fund Balance:	(211,129)	
	Total Beginning Equity:	(211,129)	
Total Revenue		926,469	
Total Expense		381,449	
Revenues Over/Under Expenses		545,020	
	Total Equity and Current Surplus (Deficit):	333,891	
	Total Liabilities, Equity and Current Surplus (Deficit):		<u>\$ 1,961,487</u>