

Fox Canyon Groundwater Management Agency - Presentation to OPV Stakeholders

March 10, 2026



John Demers
Executive Officer

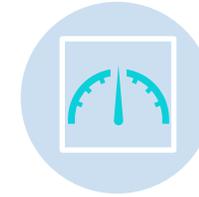
Discussion Topics



Agency Mission & History



Owner, Operator & New Well Registrations



Flowmeters



Advanced Metering Infrastructure (AMI)



Groundwater Extraction Reporting



Resources

FCGMA.org

FCGMAOnline.org



Contact Us

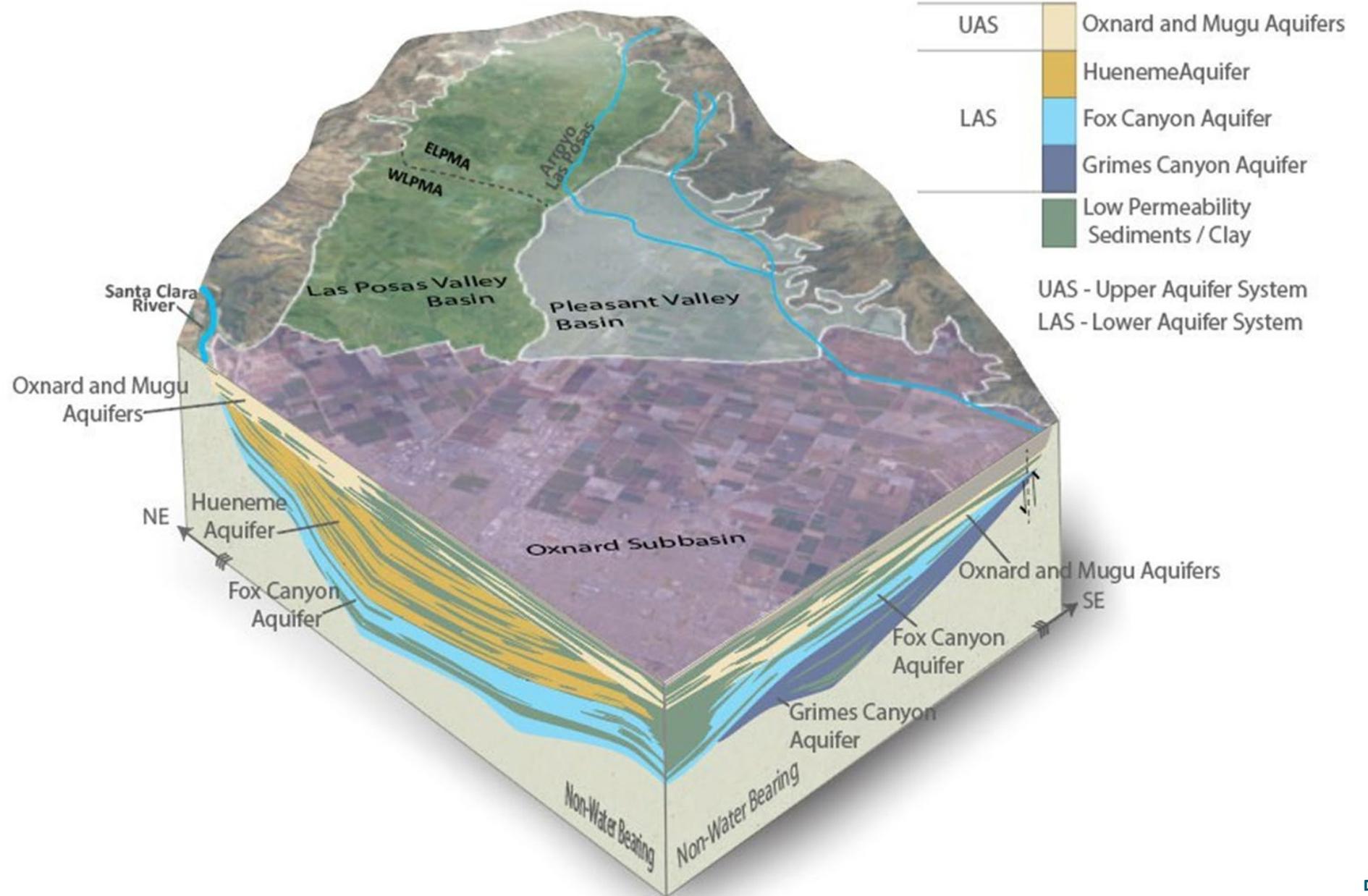


Q&A

Ventura County Groundwater Basins



Principal Aquifers in the FCGMA Basins



Formation of the Agency

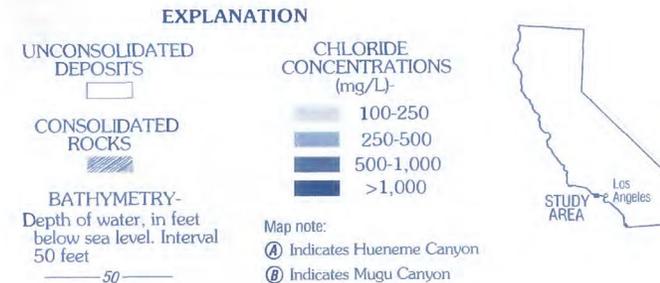
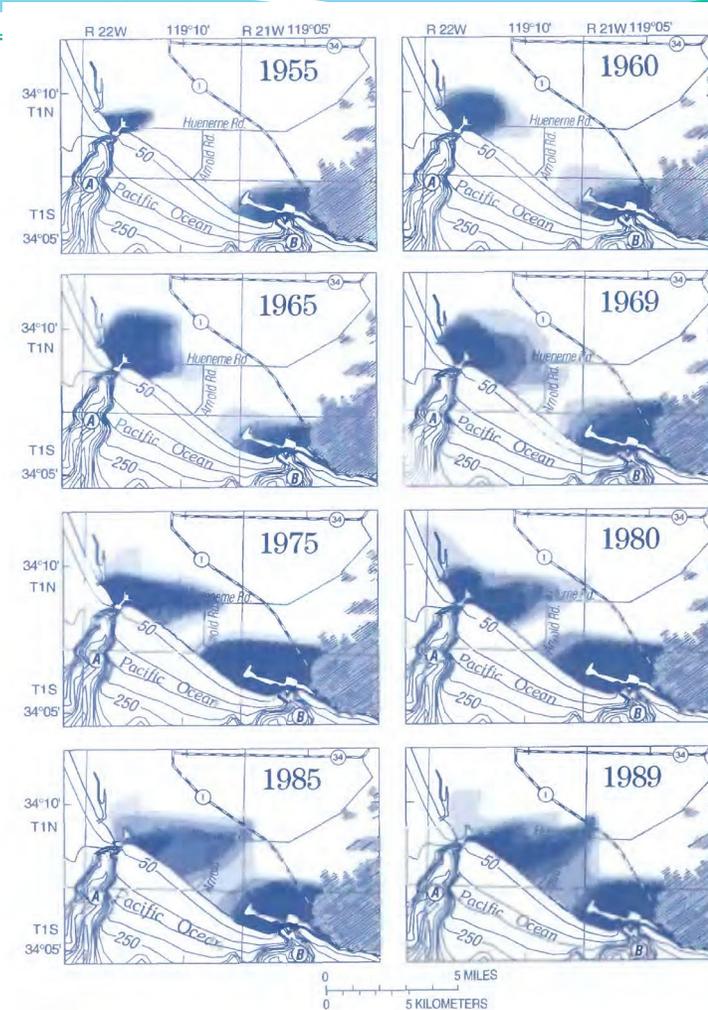
- Prior to 1900, there was only cattle grazing and dry-land farming in Ventura County, but by the early 1900s farming expanded greatly.
- In 1925 the Santa Clara River Protection Association was formed to block efforts to export water out of the watershed. It transitioned into the Santa Clara Water Conservation District (SCWCD) in 1927, focusing on the first technical efforts at Managed Aquifer Recharge (MAR).
- Drought in the 1930s triggered investigations of seawater intrusion. Geologists recognized that the aquifers extended beyond the coastline to crop out on the seafloor in the Hueneme and Mugu canyons.
- 1940s, introduction of the turbine pump for wells facilitated groundwater extraction.
- Rapid urbanization and population growth began in Ventura County after World War Two.
- By 1949, well elevations in some parts of the Oxnard Plain were 30 feet below sea level, creating a defined pumping trough around 3 miles inland from the coast, a “permanent landward water level gradient.”
- Active sea-water intrusion was first recorded near Port Hueneme in 1950.
- 1950: The United Water Conservation District (United) was established by a vote of the people, succeeding the SCWCD. Its technical mandate was to construct major infrastructure to capture winter runoff for replenishment.
- Early 1950s, the introduction of the refrigerated railroad car provided long-range markets for fresh produce.
- Agriculture transformed from predominantly seasonal dry-land farming of walnuts and field crops (sugar beets, lima beans, etc.) to predominantly year-round irrigated farming of citrus, avocados, and truck crops. Concerns heightened about overdraft in the Oxnard Plain.

Formation of the Agency – Part 2

- In 1955 the Santa Felicia Dam at Lake Piru was completed. This was the first dam in the state built specifically for groundwater recharge rather than direct delivery. Also constructed were additional spreading grounds in the El Rio area, the O-H pipeline, and a pipeline system to deliver surface and ground water directly to farmers.
- First wells were removed from use due to seawater intrusion in 1951; by 1963, 44 wells were seriously affected and could not be productively used, including wells owned by the City of Port Hueneme and the Silver Strand MWC.
- In 1965, a Department of Water Resources (DWR) report (Bulletin No. 63-1) quantified that seawater was advancing inland at a rate that threatened the entire coastal economy.
- By the early 1970s computer technology allowed for the use of numerical groundwater flow models for resource studies, which improved the ability to assess both overdraft and seawater intrusion.
- In 1979, the State Water Resources Control Board (SWRCB) issued a report on overdraft in the OPV basins and resultant seawater intrusion and threatened to initiate adjudication if these were not addressed.
- In 1982, a special act of the California Legislature (AB 2995) created the Fox Canyon Groundwater Management Agency (FCGMA).
- FCGMA had an authority that United did not have – to regulate pumping, including restricting and reducing extractions. However, FCGMA lacked an authority that United did have – funding and building water supply projects.

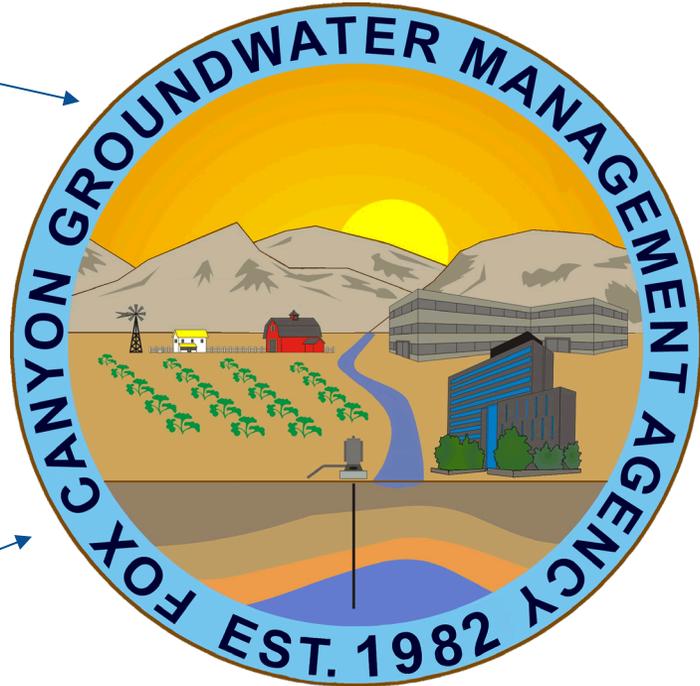
Seawater Intrusion

These drawings show chloride concentrations in water from wells in the upper aquifer system (Oxnard and Mugu aquifers) in the Oxnard Plain, 1955 -1989.



Source: Izbicki, J.A. (1996). "Seawater Intrusion in a Coastal California Aquifer", USGS Fact Sheet 125-96, using data from California Department of Water Resources and Ventura County Public Works Agency

FCGMA Board – Defined in AB 2995



VENTURA COUNTY
AGRICULTURAL ASSOCIATION



CAMARILLO, CA 93011 PHONE (805) 388-2727



Sustainable Groundwater Management Act

- In 1985, FCGMA published its first Groundwater Management Plan (GMP), fulfilling the requirement in AB 2995 to plan to “balanc[e] water supply and demand in the Oxnard Plain”, originally with a deadline of the year 2000.
- 1985, United completed the Pumping Trough Pipeline, designed to relieve stress on the UAS which enabled seawater intrusion.
- In 1991, the Freeman diversion dam was completed, designed by United and VC PWA and supported by State funding. Replaced older, temporary methods of diverting Santa Clara River water for MAR. Recharge increased from 23,000 AFY in the 1950s to over 50,000 AFY by the 2000s.
- FCGMA adopted a series of Ordinances and Resolutions between 1990 and 2009 establishing allocations and reducing pumping.
- United, Calleguas MWD, City of Oxnard, PVCWD, Camrosa WD and others created or expanded conjunctive use and alternative water source programs.
- In 2007, FCGMA updated the GMP with revised calculations, confirming that even further reductions in pumping would be required to reach safe yield, but also acknowledging that *where* pumping occurred was a critical factor in addition to *how much*.
- An exceptional drought began in 2012; California Governor proclaimed state of emergency in 2014.
- FCGMA passed Emergency Ordinance E which further reduced allocations.

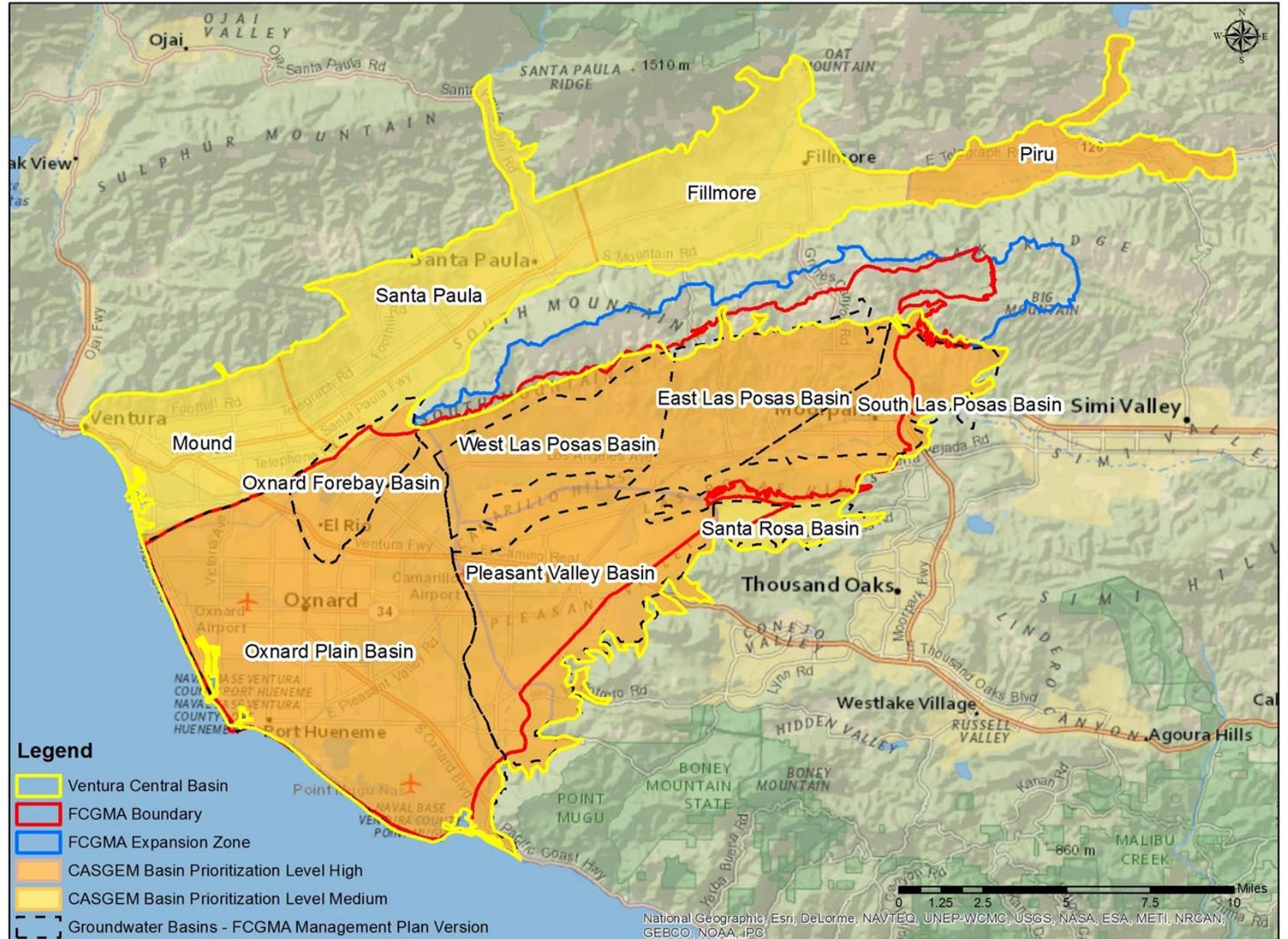
Sustainable Groundwater Management Act – Part 2

- In September 2014, the California governor signed the Sustainable Groundwater Management Act (SGMA) into law, creating Groundwater Sustainability Agencies (GSA), and requiring Groundwater Sustainability Plans (GSP) for medium and high priority basins.
- FCGMA became the GSA for the Oxnard Plain, Pleasant Valley, and Las Posas Valley Basins.
- SGMA requires that high priority basins are brought into sustainability by 2040, which means creating a *sustainable* yield that defines the maximum quantity of water which can be extracted without causing an “undesirable result.”
- Undesirable results include:
 1. Chronic lowering of groundwater levels
 2. Significant and unreasonable reduction of groundwater storage
 3. Significant and unreasonable seawater intrusion
 4. Significant and unreasonable degraded water quality
 5. Significant and unreasonable land subsidence
 6. Depletions of interconnected surface water



Oxnard Groundwater Subbasin of the Santa Clara River Basin (Oxnard Plain Basin) & Pleasant Valley Basin

Basin Boundaries – Oxnard Plain



Current Conditions – Undesirable Results in the OPV

SUSTAINABILITY INDICATORS



Groundwater Elevation



Groundwater in Storage



Seawater Intrusion



Groundwater Quality



Land Subsidence



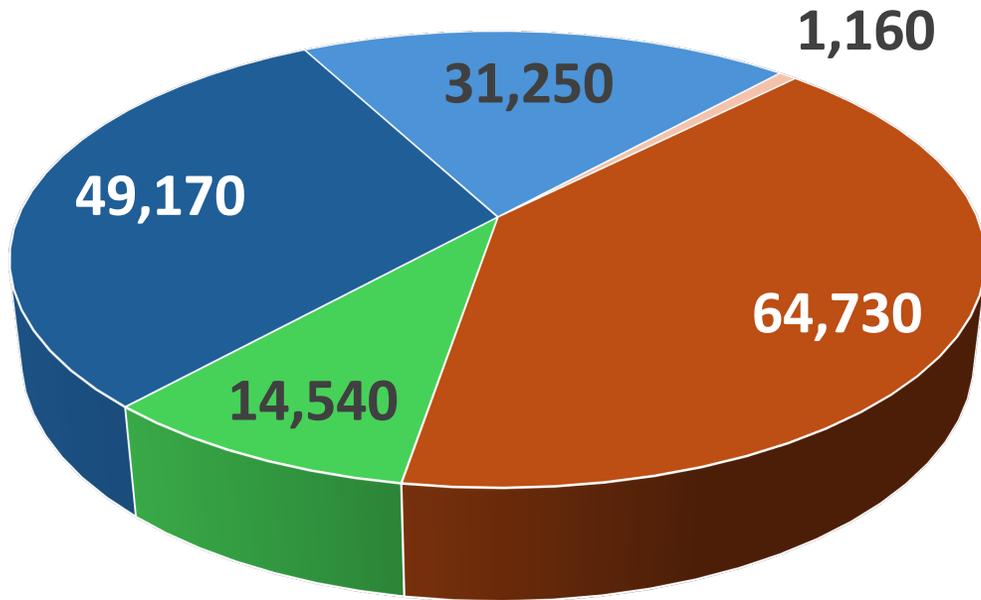
Interconnected Surface
Water and Groundwater



Total Water Demand: Oxnard Subbasin

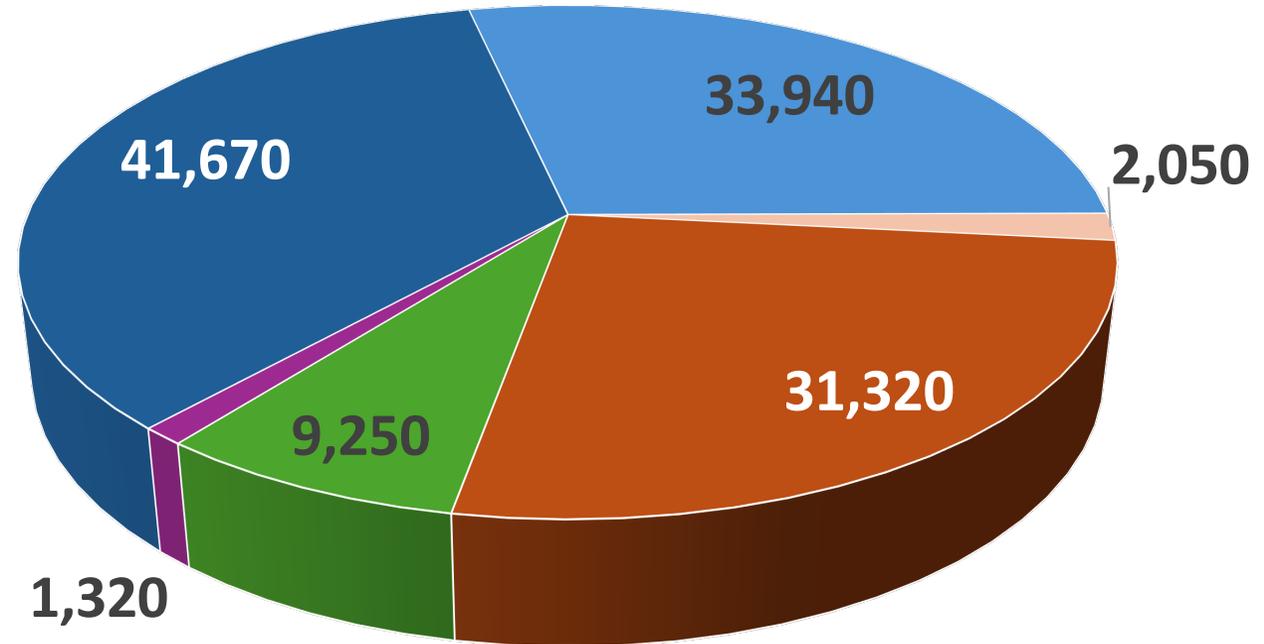
Historical (1985 – 2015) Water Demand

Total: 160,850 AFY



Current (2016 - 2022) Water Demand

Total: 119,550 AFY

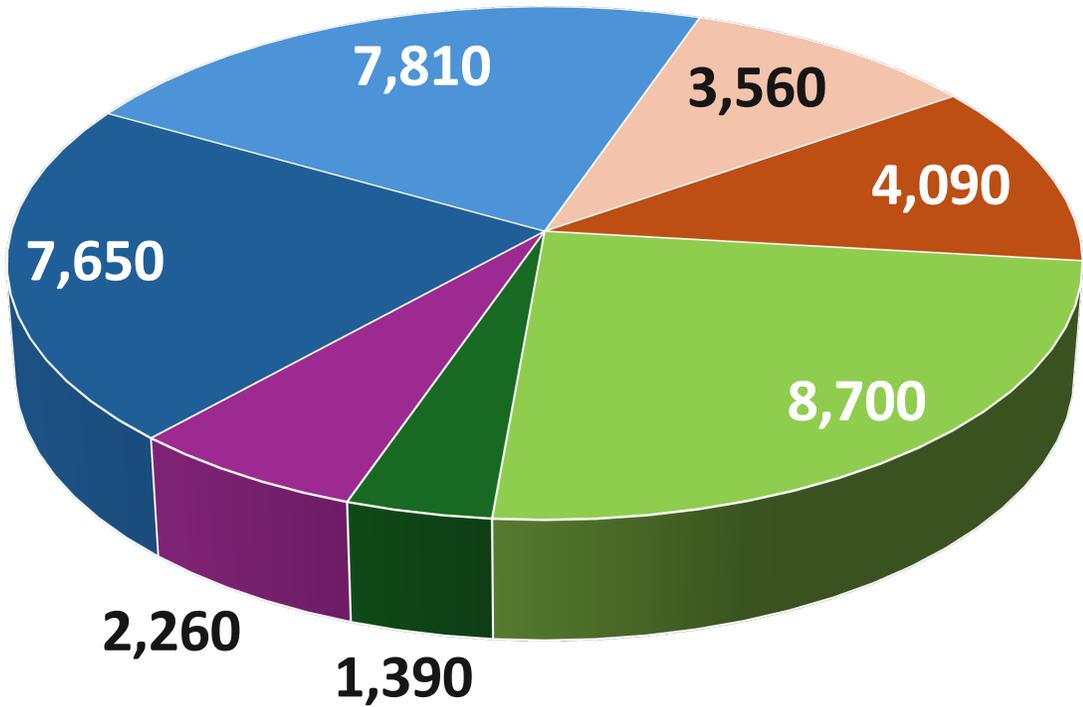


- Groundwater: Upper Aquifer System
- Groundwater: Lower Aquifer System
- Conejo Creek
- Imported Water
- Santa Clara River
- Recycled Water

Total Water Demand: Pleasant Valley Basin

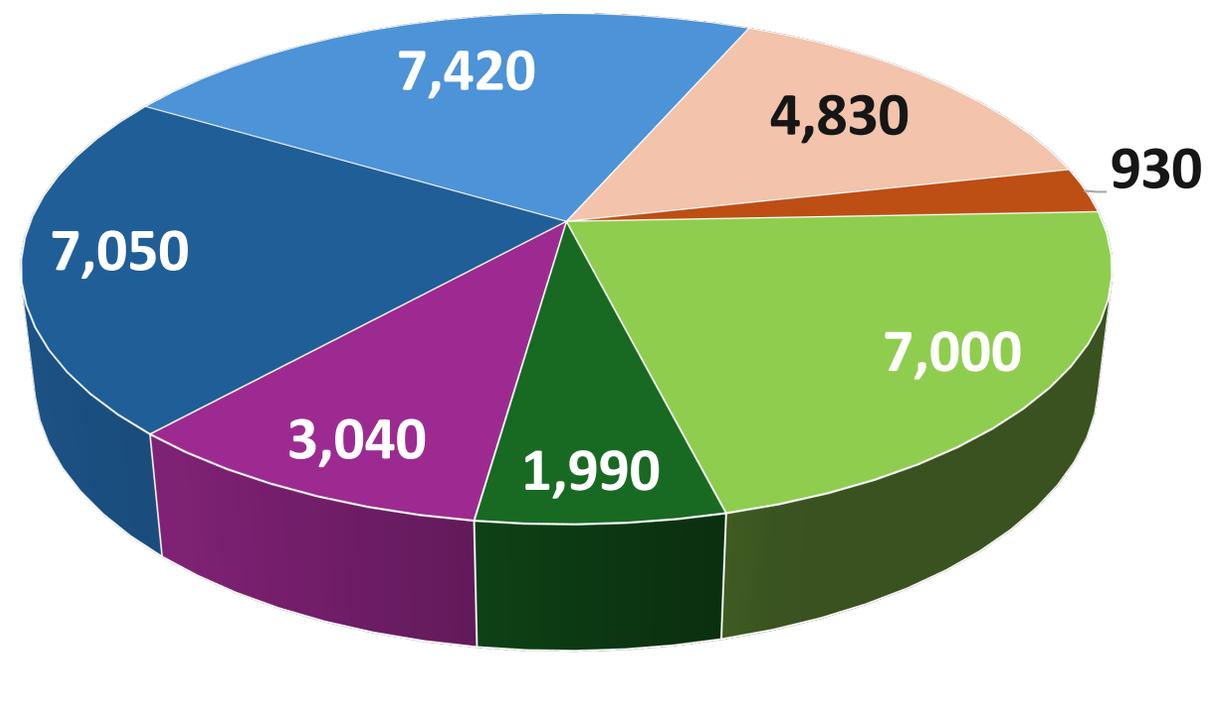
Historical (1985 – 2015) Water Demand

Total: 35,460 AFY



Current (2016 - 2022) Water Demand

Total: 32,260 AFY



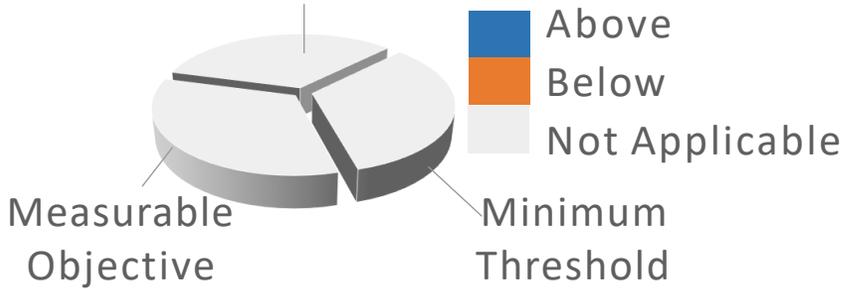
- Groundwater Older Alluvium
- Conejo Creek
- Imported From CMWD
- Recycled Water
- Groundwater Lower Aquifer System
- Santa Clara River
- Imported Groundwater

• All values are in acre-feet per year

Oxnard 2024 Spring Groundwater Levels

Legend

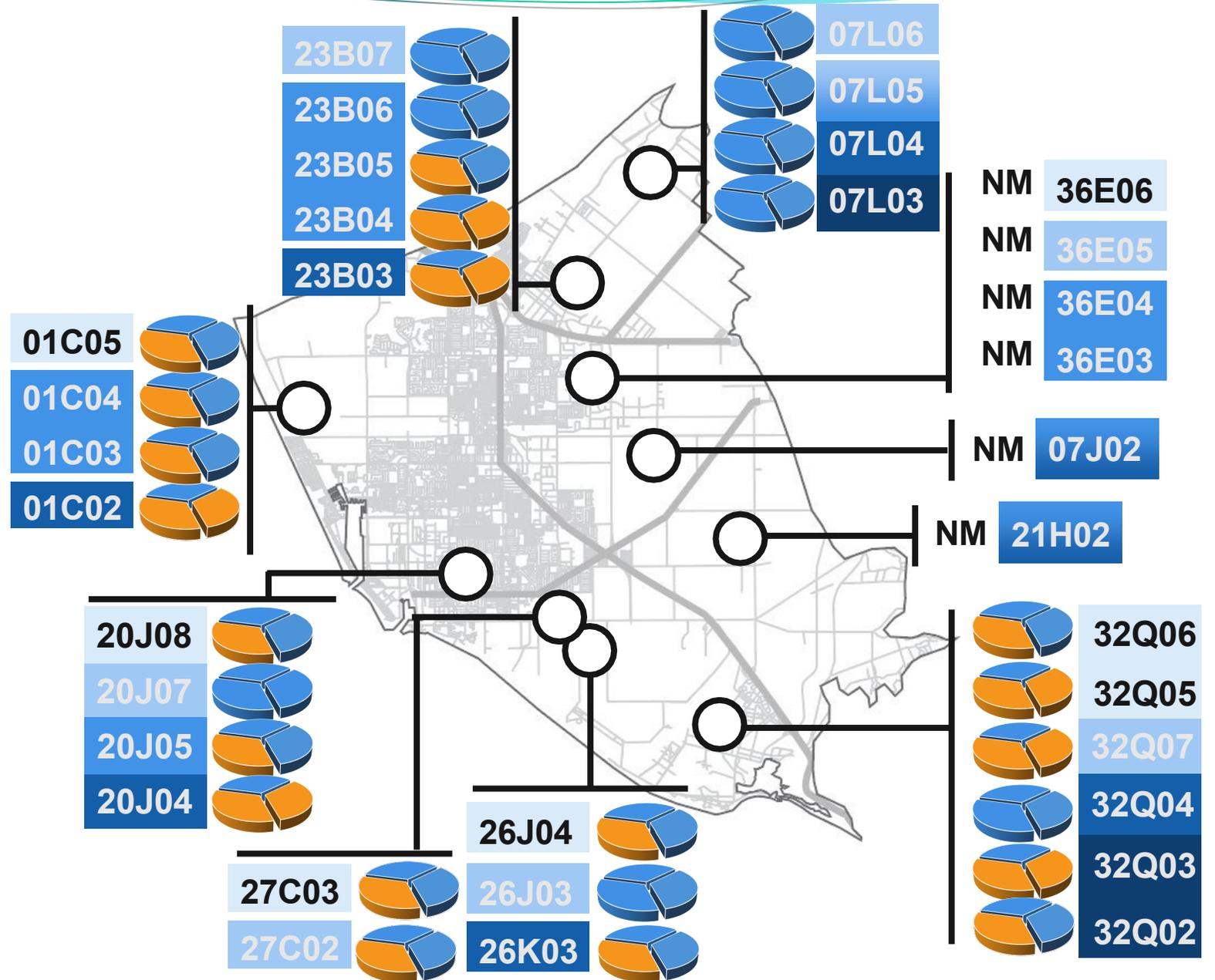
Interim Milestone to Reach Measurable Objective



AQUIFER



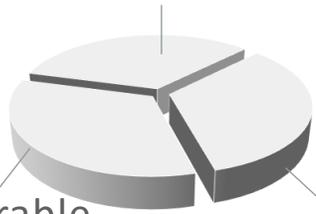
NM – Not Measured



Pleasant Valley 2024 Spring Groundwater Levels

Legend

Interim Milestone to Reach Measurable Objective



Measurable Objective

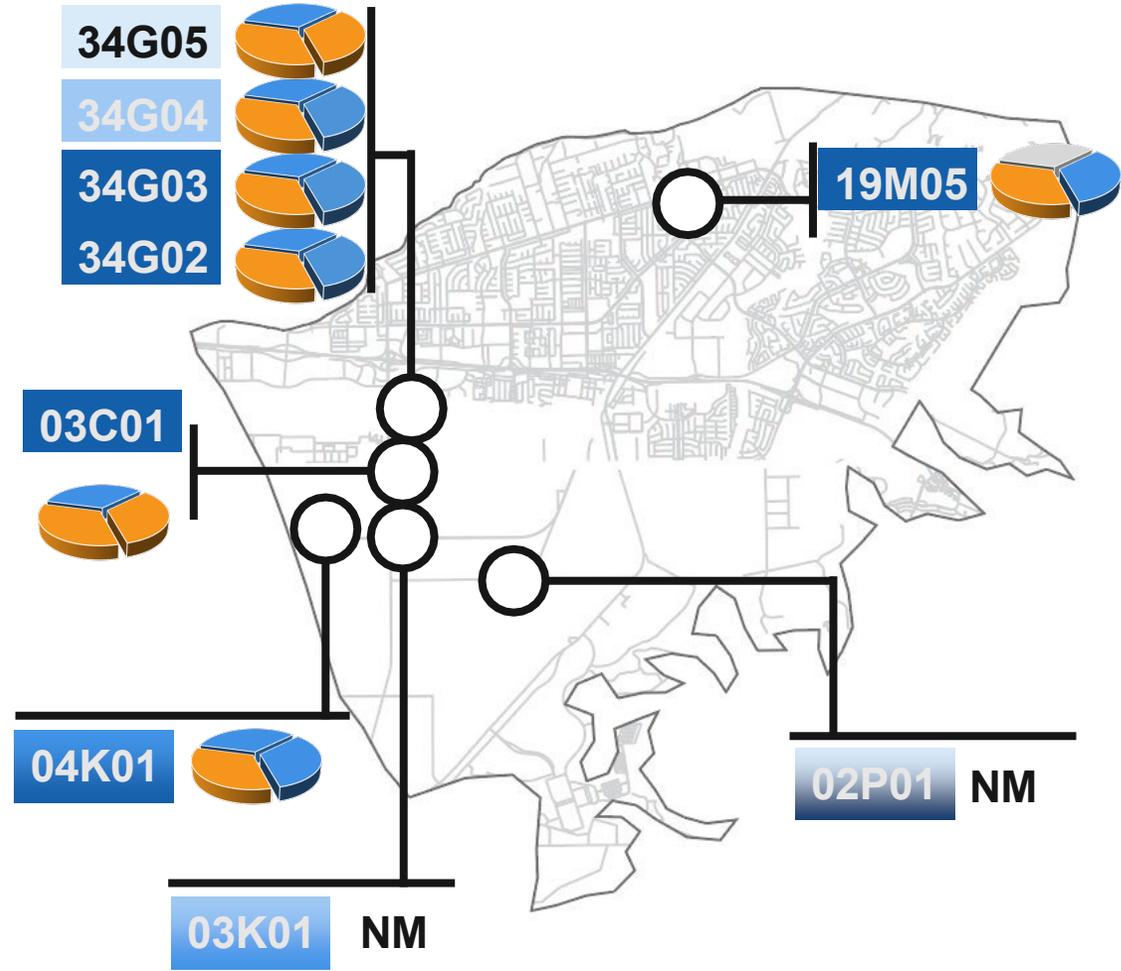
Minimum Threshold

- Above
- Below
- Not Applicable

AQUIFER

- Oxnard
- Mugu
- Hueneme
- Fox Canyon
- Grimes Canyon

NM – Not Measured



Undesirable Results

Groundwater Elevations

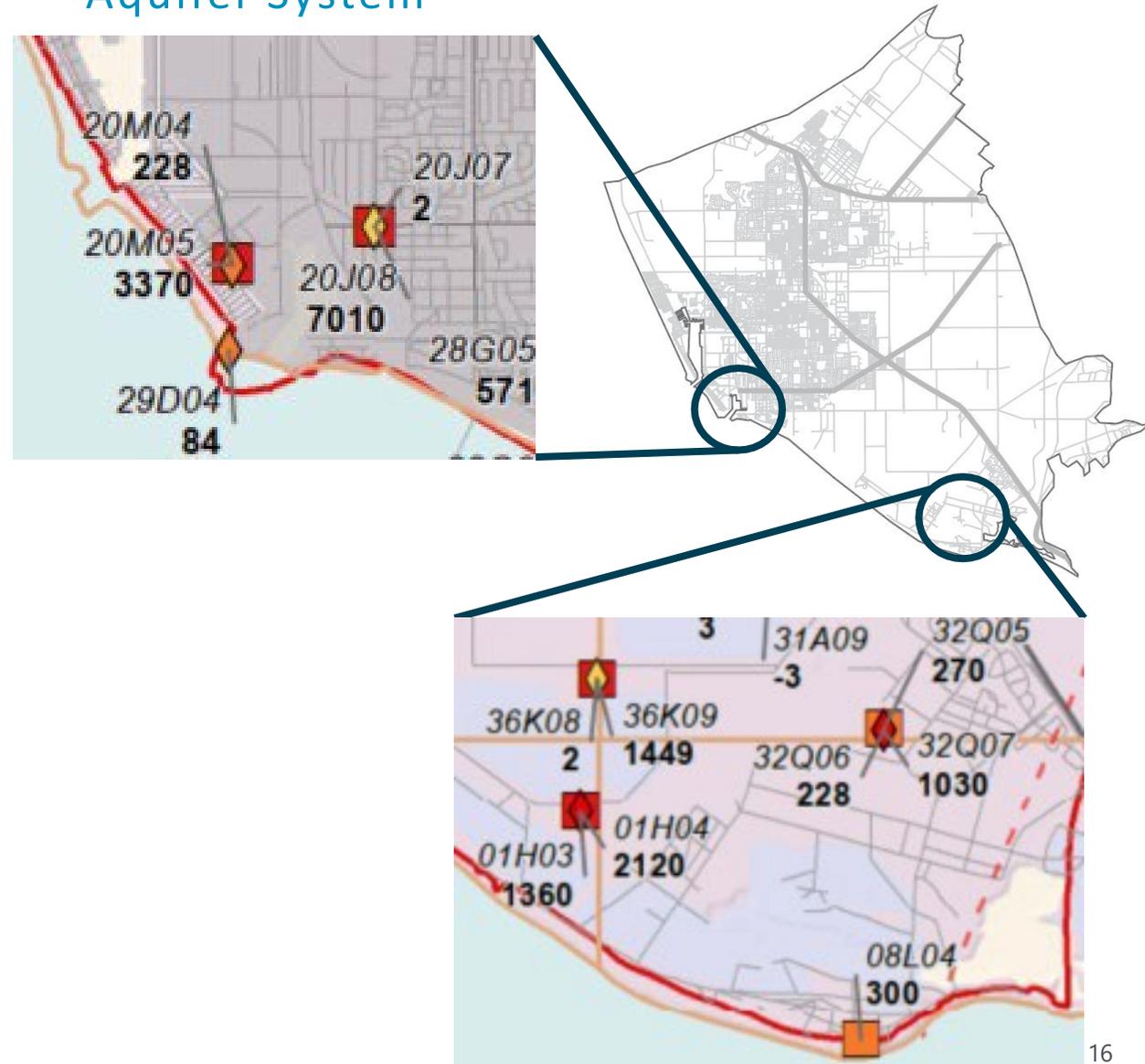
- In **2015**, groundwater elevations were lower than the minimum thresholds at **all** key wells
- Groundwater elevations were generally below the interim milestones and minimum thresholds through water year 2022

Seawater Intrusion

- Chloride concentrations along the coastline increased during the evaluation period
- Model estimates of seawater intrusion:
 - 113,000 AF of intrusion since 2015
 - 66,800 AF of intrusion since 2020

These conditions were anticipated in the GSP.

Change in Chloride Concentrations in the Upper Aquifer System



Updated Sustainable Yield: New Projects included in the Modeling

Project Type	Project Name	Modeling Scenario	Basin
Surface Water	Freeman Diversion Expansion	All	OPV
Imported Water	Supplemental SWP purchase	All	OPV
Recycled Water	Camrosa Recycled Water Deliveries to PVCWD*	All	OPV
	Camarillo Recycled Water Deliveries to PVCWD*	All	OPV
Brackish Water	Extraction Barrier and Brackish Water Treatment	Projects with EBB	OPV

- Modeling also included revisions to Projects that were simulated in the GSP:
 - North Pleasant Valley Groundwater Desalter Projects
 - City of Oxnard AWPf Deliveries
 - Conejo Creek Project
 - Purchase of Imported Water from CMWD for Basin Replenishment (In-Lieu deliveries in the West Las Posas Management Area of the Las Posas Valley Basin)

Updated Sustainable Yield

Basin	Aquifer System	Estimated Sustainable Yield (Acre-Feet Per Year)			
		No New Projects	Basin Optimization	Projects	With EBB
Oxnard	Upper Aquifer System	34,100	35,200	36,100	40,000
	Lower Aquifer System	10,600	17,100	13,300	28,200
Pleasant Valley Basin	Older Alluvium	3,300	3,600	3,600	4,700
	Lower Aquifer System	10,100	10,200	10,200	9,100*

*Reduction in pumping reflects an increase in availability of surface water supplies in the PVB as a result of UWCD's EBB project.

- Oxnard Subbasin
 - Sustainable Yield of the Upper Aquifer System is approximately 2,100 AFY higher than the estimate in the GSP
 - Sustainable Yield of the Lower Aquifer System is approximately 3,600 AFY higher than the estimate in the GSP

- Pleasant Valley Basin
 - Sustainable Yield of the Older Alluvium is approximately 1,100 AFY lower than the estimate in the GSP
 - Sustainable Yield of the Lower Aquifer System is approximately 2,900 AFY higher than the estimate in the GSP

Discussion Topics



Agency Mission & History



Owner, Operator & New Well Registrations



Flowmeters



Advanced Metering Infrastructure (AMI)



Groundwater Extraction Reporting



Resources

FCGMA.org

FCGMAOnline.org



Contact Us



Q&A

Groundwater Allocations



Volume of Groundwater Extracted Prior to Surcharge Assessment



Oxnard & Pleasant Valley (OPV) Ordinance

Well Based

Adopted 2019, implemented 2020

Annual average of reported extractions 2005 through 2014



Las Posas Valley (LPV) Ordinance

Well Based

Adopted 2020, implemented 2021

Superseded by LPV Judgment



LPV Adjudication Judgment
(Superseded LPV Allocation Ordinance)

Parcel Based

Adopted 2023, naming FCGMA to act as Watermaster by Court Order

Granted under Judgment

Well Owner Authority



Authority Over Well Allocation and Well Assignment



Completes Groundwater Extraction Facility Registration Form (aka Registration Form)



Registers New Wells within 30 Days of Completion of Drilling Activities



Registers New Owner & Provide Proof of Ownership: Ventura County Assessor's Office, Grant Deed, Title, Trust, etc.



Designate Alternate Entity to Act on Behalf of Owner & (Owner access is transferred to Operator)



Non-Compliance Liability if Operator Fails to Reconcile

Well Operator Authority



Designated by WELL OWNER with Operator's Consent



Combine Wells in **CombCode** (account) with Owner Approval



Semi-Annual Extraction Statement Submissions



Meter Change Submissions



Non-Compliance Liability

Owner & Operator Permissions

	 Owner	 Operator	Unauthorized
Register New Owner & Operator	✓	✗	✗
Receive & Submit SAES *	✗	✓	✗
Combine Wells & Allocations	✓	✗	✗
Request Reporting Account Information	✓	✓	✗
Submit Payment	✓	✓	✓
Apply for Allocation Transfer	✓	✗	✗
Flowmeter Update	✓	✓	✗
Flowmeter Exemption	✓	✓	✗
Apply for Penalty Waiver	✓	✓	✗
Apply for Variance Request	✓	✗	✗
Provide Meter Photos	✓	✓	✓
Appeal to the Board	✓	✗	✗
Submit Public Records Act Request (PRA)	✓	✓	✓

Groundwater Extraction Facility

- Any device or method (e.g. water well) for extraction of groundwater
- Aka: Well or State Well Number (SWN)
- All Wells Must be Registered with FCGMA (Active, Inactive, and sometimes Destroyed)
- Owner is based on APN Assessee per Ventura County Assessor's Office
- Allocation granted to each well based on 10-year base period (OPV)

CombCode – Combination Code

- Unique code or account
- May have one or more wells
- Combines well allocations
- Well Owners may differ
- Fees & charges assessed by CombCode
- One Operator per CombCode

Home Maintenance Applications Reports Billing Log Off

Agriculture Semi-Annual Groundwater Extraction Statement

Year Code: 2025-2 **Comb Code: BERRY**

Reporting Period: Apr 1, 2025 - Sep 30, 2025 DWR Basin: OXN

Statement No.: SAES-2025-2-053116 Statement Status: SUBMITTED

FOX CANYON GROUNDWATER MANAGEMENT AGENCY
800 S. Victoria Avenue | Ventura, CA 93009-1610 | (805) 645-1372 | FCGMA.Reports@venturacounty.gov | www.FCGMAOnline.org

SEMI-ANNUAL GROUNDWATER EXTRACTION STATEMENT

Comb Code: BERRY Due Date : 11/15/2025 Semi-Annual Code: 2025-2
Primary Use: AG DWR Basin: OXN Statement Number: SAES-2025-2-053

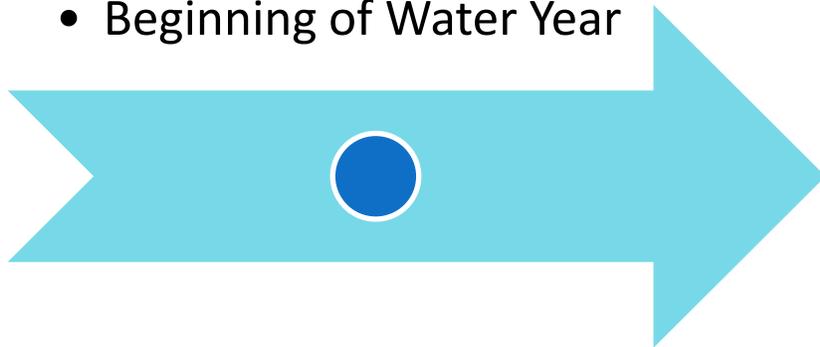
Reporting Period: April 1, 2025 - September 30, 2025

Contact: Barry Johnson
Well Operator: Berry Ranch, Inc.
Address: 1234 Berry Lane
City State Zip: Oxnard, CA 93030
Telephone: 805-555-1212
Email: berryfarms@icloud.com

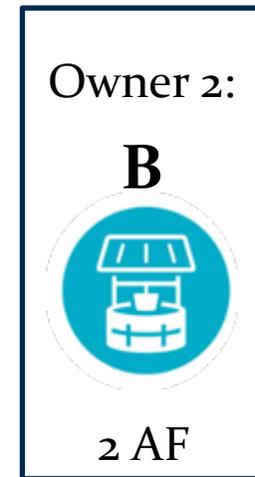
Combining Wells into a CombCode

Rules:

- Wells located in same basin
- Single Operator
- Owner Approval
- Beginning of Water Year

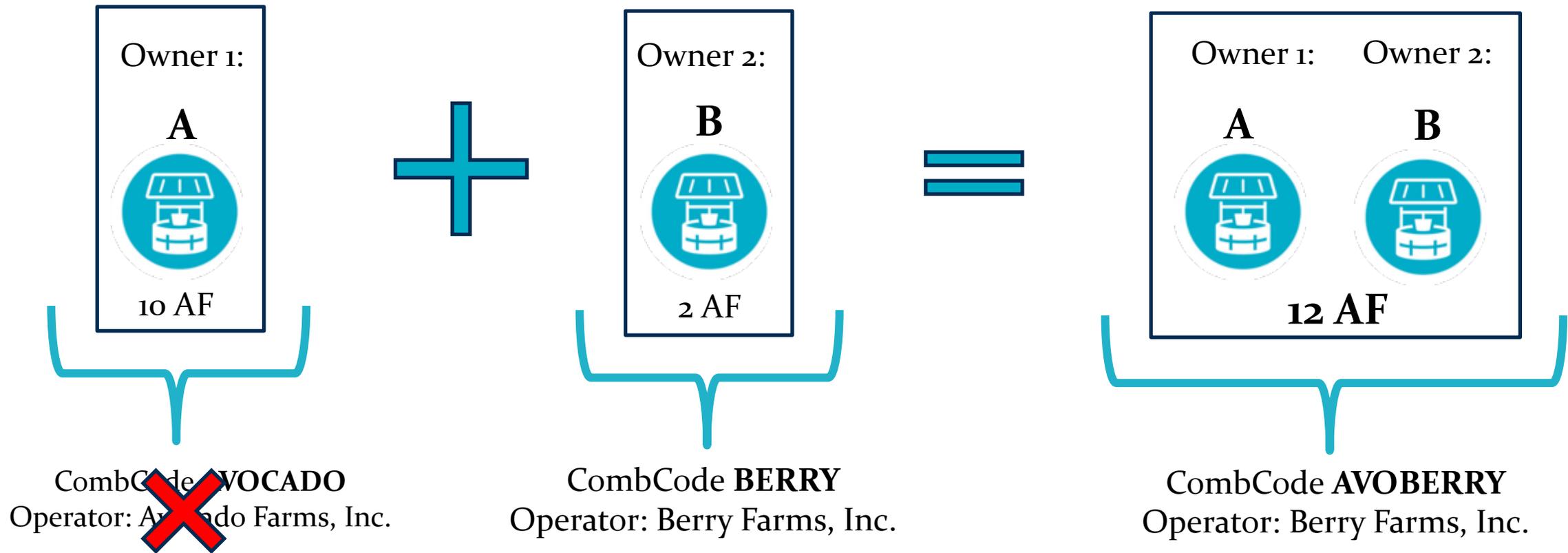


CombCode AVOCADO
Operator: Avocado Farms, Inc.



CombCode BERRY
Operator: Berry Ranch, Inc.

Combining Wells



Completing a Registration Form



- Contact the Ventura County Assessor's Office to acquire legal parcel information.
- The record will look like this
- To obtain your APN:

<https://assessor.venturacounty.gov/assessor-data/property-search/>



Ventura County Assessor Public Information	
Parcel Number	083-0-061-325
Situs Address	800 S VICTORIA AV VENTURA, CA
Assessee ATTN	VENTURA COUNTY OF
Assessee Address	800 S VICTORIA AVE VENTURA CA 93009-0001

Registration Form (Owner)



**FOX CANYON GROUNDWATER
MANAGEMENT AGENCY**



800 S. Victoria Avenue
Ventura, CA 93009-1610
Tel: (805) 645-1372
Fax: (805) 654-3350



Ventura County Assessor Public Information

Groundwater Extraction Facility Registration Form

Owners and Operators of a groundwater extraction facility are required to register their well(s) and provide related information to the Fox Canyon Groundwater Management Agency (FCGMA). Per FCGMA Ordinance No. 8.1, Chapter 2.0, **all** groundwater extraction facilities within the boundaries of the FCGMA shall be registered with the Agency.

*(Please complete a Registration Form for each well that you own **or** operate and return to the FCGMA.)*

Owner Information

Contact Name _____
Business Name _____
Address _____
City/State/Zip _____
Phone # / Fax # _____
Email Address _____

Parcel Number 083-0-061-325

Situs Address 800 S VICTORIA AV
VENTURA, CA

Assessee VENTURA COUNTY OF

ATTN

Assessee Address 800 S VICTORIA AVE
VENTURA CA 93009-0001

**FOX CANYON GROUNDWATER
MANAGEMENT AGENCY**

800 S. Victoria Avenue
Ventura, CA 93009-1610
Tel: (805) 645-1372
Fax: (805) 654-3350



Registration (Owner)

Additional Well Information

County Well Permit # _____ GMA Permit # _____
Well Depth _____ Feet Manufacturer of Water Meter _____
Casing Diameter _____ Inches Serial No. of Water Meter _____
Motor/Engine _____ HP Electric Meter No. _____
Perforations _____ Feet Date Drilled _____
Assessor Parcel No. (APN) _____
Groundwater Basin _____

CombCode / Account Name

Add to Existing CombCode (list CombCode) _____
 New CombCode (list a preference if you have one) _____

Well Water Use Type

Agricultural / Irrigation (list number of acres and crop category)(ac) _____
 Stock Watering (number and type of animals) _____
 Domestic (number of persons served) _____
 Municipal or Industrial _____
 Other (describe) _____

Extraction Method

Water Flowmeter (state what flowmeter reads in: acre-feet (AF), gallons, cubic-feet (CF)) _____
 Power Records (date of last efficiency test) _____
 Consumptive Use _____
 Other (describe) _____



Ventura County Assessor Public Information

Parcel Number 083-0-061-325
Situs Address 800 S VICTORIA AV
VENTURA, CA
Assessee VENTURA COUNTY OF
ATTN
Assessee Address 800 S VICTORIA AVE
VENTURA CA 93009-0001

(Print Name) _____ (Date)

(Signature)

● Authorized Well Owner signature

Authorization Form

Same Owner:

A



B



12 AF

CombCode AVOBERRY
Operator: Berry Farms, Inc.

FOX CANYON GROUNDWATER MANAGEMENT AGENCY



800 S. Victoria Avenue
Ventura, CA 93009-1610
Tel: (805) 645-1372
Fax: (805) 654-3350

Authorization Form

Ordinance Code Section 2.2 requires the name of the owner of each extraction facility, the parcel number on which the well is located along with the names of all operators for each extraction facility shall be reported to the Agency within 30 days upon any change of ownership or operators, together with such other information required by the Executive Officer.

As the legal owner of the following extraction facility(ies):

State Well No. 0 4 N 0 9 W 0 0 Z 5 4

State Well No. 0 4 N 0 8 W 0 0 Z 0 1

State Well No. _____ N _____ W _____

I hereby authorize and designate

Business Name: Berry Farms, Inc. Office: 805-555-1212

Contact Name: Barry Johnson Mobile: 805-555-5555

Address: 1234 Berry Lane Fax: _____

Oxnard, CA 93030 Email: berryfarms@icloud.com

Effective Date: October 1, 2026

To be responsible for the allocations and fees that may result from the operation of this/these extraction facility(ies).

OWNER

I acknowledge that per Ordinance Code Section 2.4.3, owners of extraction facilities are ultimately responsible for payment of groundwater extraction charges and interest should an operator not pay.

Owner A _____

(Print Name)

Owner A _____

(Signature)

(Date)

OPERATOR

Barry Johnson _____

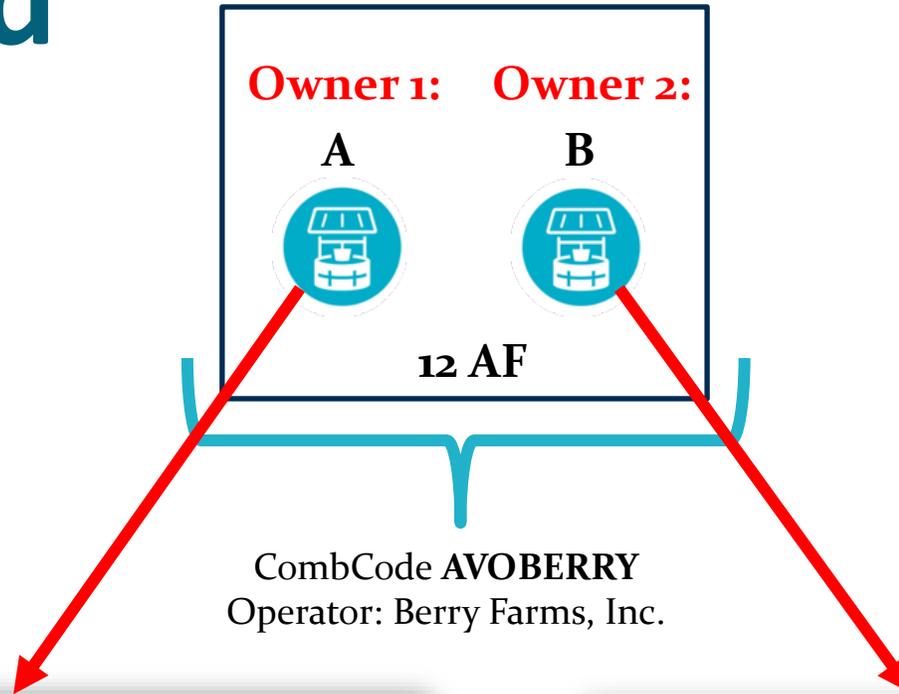
(Print Name)

Barry Johnson _____

(Signature)

(Date)

...continued



OWNER
I acknowledge that per Ordinance Code Section 2.4.3, owners of extraction facilities are ultimately responsible for payment of groundwater extraction charges and interest should an operator not pay.

Owner A _____
(Print Name)

Owner A _____
(Signature) _____
(Date)

OPERATOR
Barry Johnson _____
(Print Name)

Barry Johnson _____
(Signature) _____
(Date)

OWNER
I acknowledge that per Ordinance Code Section 2.4.3, owners of extraction facilities are ultimately responsible for payment of groundwater extraction charges and interest should an operator not pay.

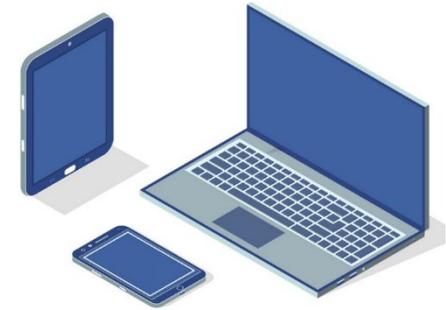
Owner B _____
(Print Name)

Owner B _____
(Signature) _____
(Date)

OPERATOR
Barry Johnson _____
(Print Name)

Barry Johnson _____
(Signature) _____
(Date)

FCGMAOnline.org

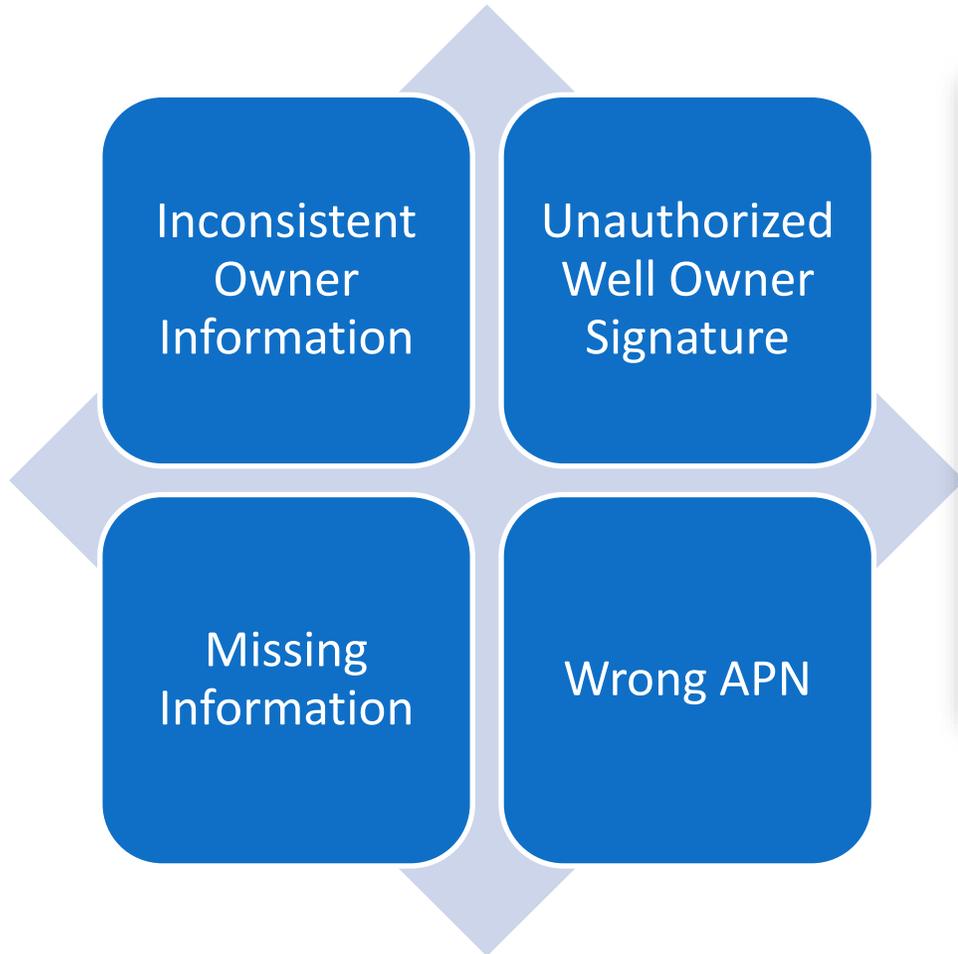


- Login in at FCGMAOnline.org to report extractions.
- To recover your username or email address, email FCGMA.Report@ventura.org

The screenshot shows the login page for the Fox Canyon Groundwater Management Agency. At the top left is the agency's logo, and at the top right is the text "FOX CANYON Groundwater Management Agency". Below the header is a "Welcome" section with a "User Name:" field, a "Password:" field, and a "Logon" button. A "Forgot password?" link is highlighted with a red box. The main content area contains a "Welcome to the FCGMA Online Web Site!" message, followed by instructions for new users and a link to the user guide. A "System Message" section at the bottom states that the system is for authorized use only and that activities may be recorded and monitored.

The screenshot shows the "Password Retrieval" page. It features a header for the "Groundwater Management Agency" and a background image of a green field. The main text asks users to enter their username and email address to retrieve their account information. A red box highlights the email address field and the "FCGMA.Report@ventura.org" email address. Below the fields is a "Get Account Info" button.

Common Reasons for Returned Registration Forms



FOX CANYON GROUNDWATER MANAGEMENT AGENCY

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Fax: (805) 654-3350

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Registration Form**

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(Please complete a Registration Form for each well that you own or operate and return to the FCGMA.)

Owner Information

Contact Name _____
Business Name _____
Address _____
City/State/Zip _____
Phone # / Fax # _____
Email Address _____

Information

_____ Feet GMA Permit # _____
_____ Inches Manufacturer of Water Meter _____
_____ HP Serial No. of Water Meter _____
_____ Feet Electric Meter No. _____
Date Drilled _____

Property Name

CombCode (list CombCode) _____
List a preference if you have one) _____

Use

_____ (list number of acres and crop category(ies)) _____
_____ (number and type of animals) _____
_____ (persons served) _____
_____ (initial) _____

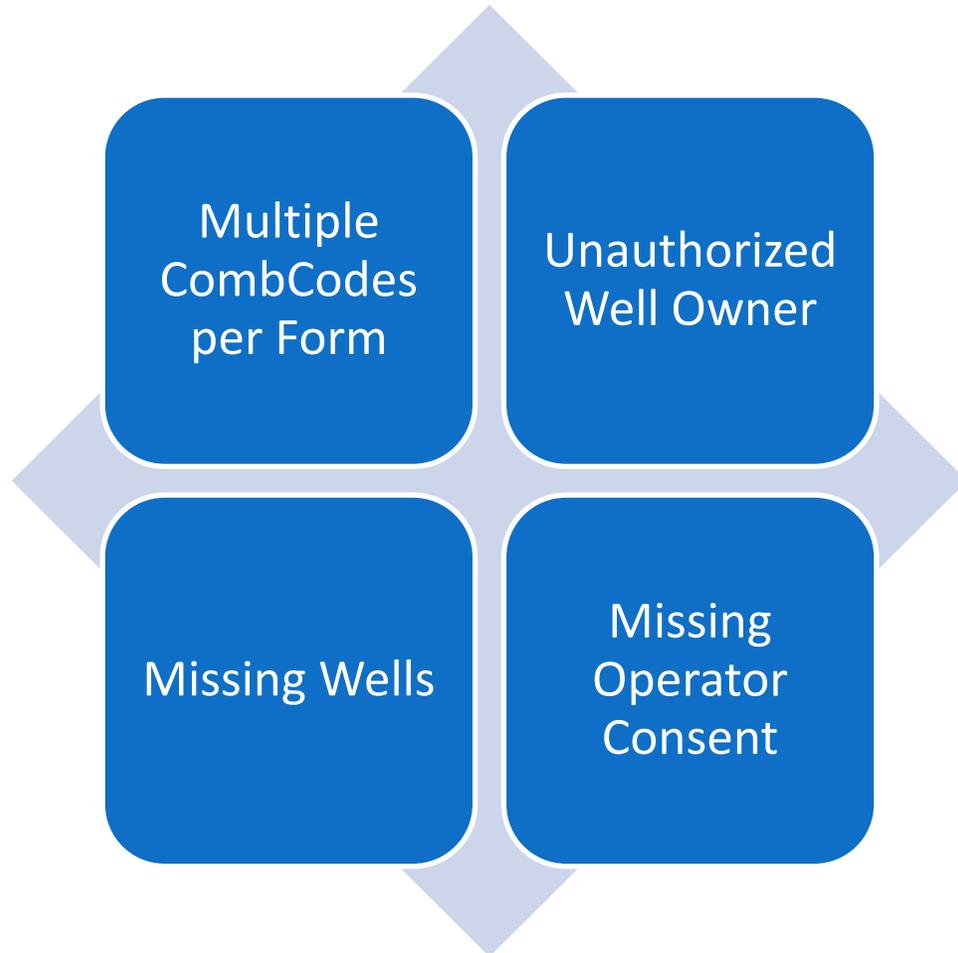
Extraction Method

Water Flowmeter (state what flowmeter reads in: acre-feet (AF), gallons, cubic-feet (CF)) _____
 Power Records (date of last efficiency test) _____
 Consumptive Use _____
 Other (describe) _____

(Print Name) _____ (Date) _____

(Signature) _____ Owner Operator

Common Reasons for Returned Authorization Forms



FOX CANYON GROUNDWATER MANAGEMENT AGENCY



800 S. Victoria Avenue
Ventura, CA 93009-1610
Tel: (805) 645-1372
Fax: (805) 654-3350

Authorization Form

Ordinance Code Section 2.2 requires the name of the owner of each extraction facility, the parcel number on which the well is located along with the names of all operators for each extraction facility shall be reported to the Agency within 30 days upon any change of ownership or operators, together with such other information required by the Executive Officer.

As the legal owner of the following extraction facility(ies):

State Well No. ____ N ____ W _____

State Well No. ____ N ____ W _____

State Well No. ____ N ____ W _____

I hereby authorize and designate

Business Name: _____ Office: _____

Contact Name: _____ Mobile: _____

Address: _____ Fax: _____

_____ Email: _____

Effective Date: _____

To be responsible for the allocations and fees that may result from the operation of this/these extraction facility(ies).

OWNER
I acknowledge that per Ordinance Code Section 2.4.3, owners of extraction facilities are ultimately responsible for payment of groundwater extraction charges and interest should an operator not pay.

(Print Name)

(Signature) _____
(Date)

OPERATOR

(Print Name)

(Signature) _____
(Date)

rev_7/28/2016

Contact Us

- For Questions and to Schedule Appointments
 - Email: FCGMA.Register@venturacounty.gov

Discussion Topics



Agency Mission & History



Owner, Operator & New Well Registrations



Flowmeters



Advanced Metering Infrastructure (AMI)



Groundwater Extraction Reporting



Resources

FCGMA.org

FCGMAOnline.org



Contact Us



Q&A

Is a Flowmeter Required?

- Flowmeters are required on all non-exempt wells
- Conditions for exemption

Domestic Exemption	Inactive Wells
<ul style="list-style-type: none">• Well supplies a single-family dwelling• Parcel size 1 acre or less• No income producing operations	<ul style="list-style-type: none">• Pumped no more than 8 hours within a 12-month period

Flowmeter Exemption Form

- Required to be submitted for all exempt wells
- Account must be in good standing
 - Past statements submitted
 - Fees paid
- SAES must continue to be submitted

FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel. (805) 654-2014 | FCGMA.Flowmeter@ventura.org



Flowmeter Exemption Form

Agency [Ordinance Code Section 3.1.1](#) requires operators of groundwater extraction facilities to install a flowmeter prior to extracting groundwater. Flowmeters are not required on *inactive* wells as defined in the Ordinance Code, nor are flowmeters required for extraction facilities supplying a single-family dwelling on one acre or less, with no income producing operations.

State Well Number: _____
Assessor Parcel Number (APN): _____

I certify that the identified subject extraction facility is exempt from the flowmeter requirement based on:

The extraction facility is inactive as defined in the Agency Ordinance Code.

"Inactive Well" is a well that conforms to the [Ventura County Water Well Ordinance](#) requirements for an active well but is being held in idle status in case of future need. *"Idle status"* means the well is pumped no more than 8 hours during any 12-month period. Inactive wells are not required to have a flowmeter. Pumping to maintain status as an active well under the Ventura County Water Well Ordinance shall not exceed 8 hours in a 12-month period, shall be for beneficial use, and shall be estimated and reported to the Agency. Prior to removing a well from idle status, the operator shall install a flowmeter in accordance with the requirements in Chapter 3 of the [Agency Ordinance Code](#).

The extraction facility serves a single-family dwelling on one acre or less, with no income producing operations.

[Agency Ordinance Code Section 2.3](#) requires that all extractions be reported to the Agency. All extractions shall be flowmetered in accordance with the requirements and methods for flowmetering extractions as specified in Chapter 3. In cases where flowmetering is not required, the volume of water extracted shall be estimated and reported to the Agency.

Note: I understand the Agency shall send a *Semi-Annual Extraction Statement* (SAES) form to each well operator *twice per year*. Each operator of a registered extraction facility (*active or inactive*) shall enter the necessary information. For *inactive* wells, enter a metered, or estimated extraction volume in acre-feet, or zero (0) if there were no extractions and return the SAES *on or before the due date*. Statements are due *forty-five (45) days* after the letter has been created. *The statements shall contain the method of measuring or computing groundwater extractions* ([Ordinance Code Section 2.3.2](#)).

To ensure continued exemption, I understand that I must submit a **Flowmeter Exemption Form** annually.

I DECLARE under penalty of perjury under the laws of the State of California that the information contained in this form is true and correct.

Print Name: _____ Operator Owner
Signature: _____ Date: _____

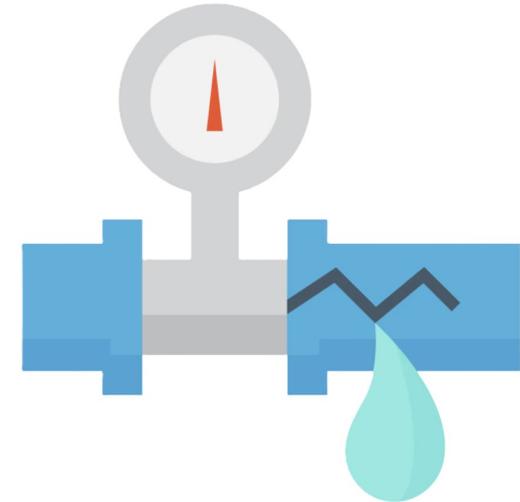
Flowmeter Changes - When to Report

- New meter installation
 - Including transfer to different CombCode
- Meter face replacement
- Piping alteration
- Manual meter reset
 - Not to be confused with meter rollovers
- Change in meter units or multiplier
- Updating meter status to “active” following period of inactivity



Flowmeter Failure

- Meter Failure Types:
 - Failed calibration (high or low)
 - Totalizer not running
 - Battery died
- Creates challenges if not fixed/reported on time
 - Multiple reports may have to be revised
 - Estimates instead of accurate extractions
- Mitigation efforts:
 - Periodic check-ins



Flowmeter Update Form – Old Meter Information

- All fields must match existing records
- Date of failure vs. date of removal
- End meter reading
 - Provide photo
 - **Include reading on SAES**
 - If no end reading, complete groundwater estimate
- Indicate if groundwater estimate is needed

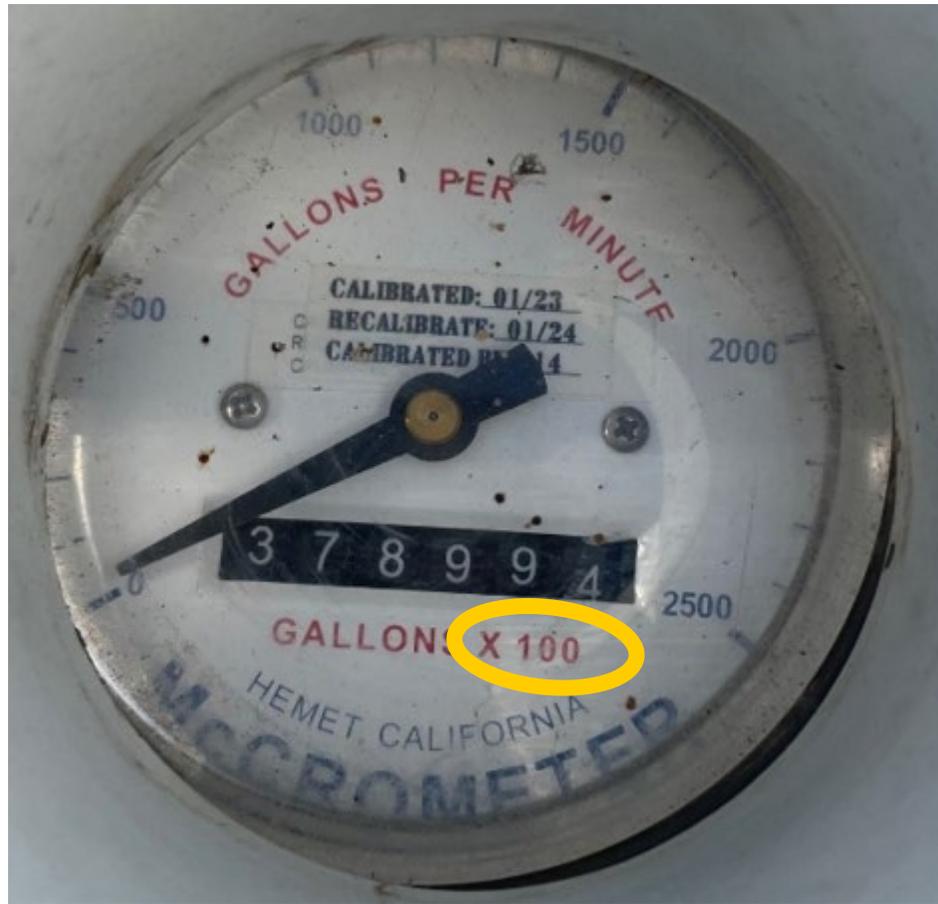
Old Meter Information		
<i>For first time meter installations, leave this section blank.</i>		
<i>Date of Failure*</i>	<i>Date of Removal</i>	<i>End Meter Reading</i>
<i>*If failure was discovered during a flowmeter calibration test, submit the failed Flowmeter Calibration Test Report.</i>		
<i>Meter Manufacturer</i>	<i>Meter Model Number</i>	
<i>Meter Serial Number</i>		
<i>Meter Units of Measure</i>		
<input type="checkbox"/> AF	<input type="checkbox"/> CF	<input type="checkbox"/> Gal <input type="checkbox"/> Other
<i>Meter Multiplier</i>	<i>Meter Size (inches)</i>	
<i>Comments</i>		
<input type="checkbox"/> <i>Check here if groundwater was extracted between the date of meter failure and the date of installation of the repaired / refurbished / new meter and complete the Groundwater Usage Estimate form on page 2.</i>		

Flowmeter Update Form – Current Meter Information

- Start meter reading
 - **Include reading on SAES**
- Meter use should align with historic use
- Meter multiplier

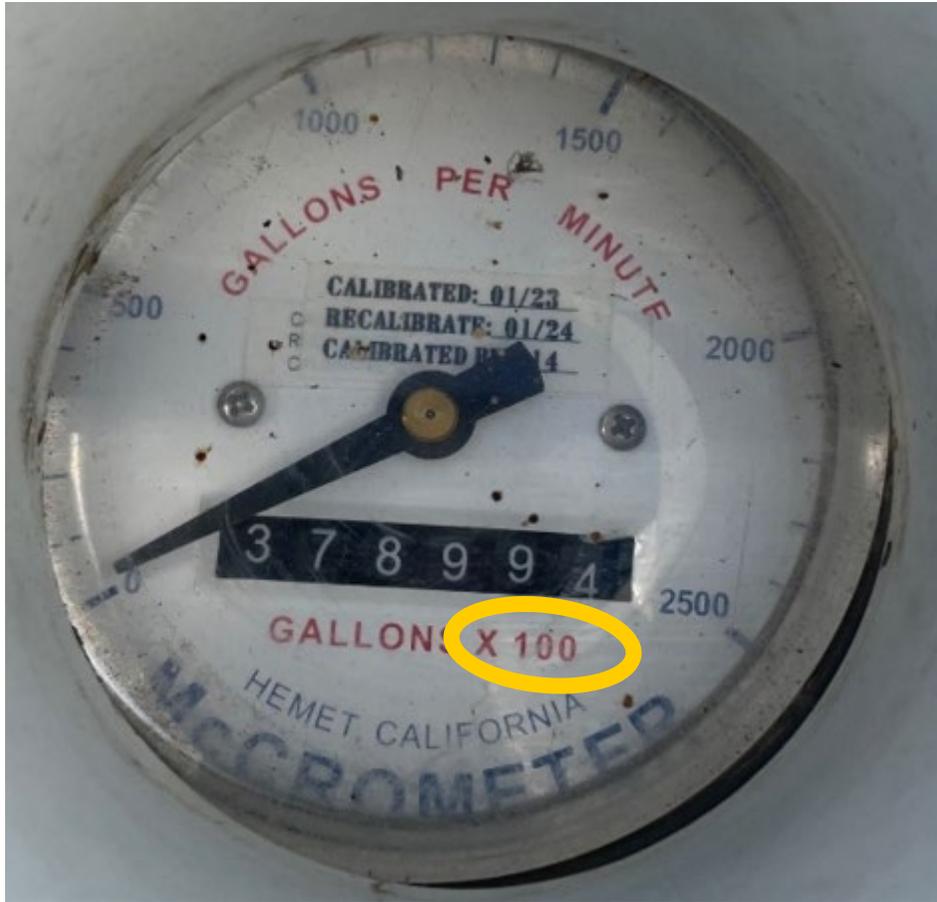
Current Meter Information	
<i>Current Flowmeter Is</i>	
<input type="checkbox"/> New From Manufacturer	<input type="checkbox"/> Repaired/Refurbished
<input type="checkbox"/> Transferred to Location	<input type="checkbox"/> Other: _____
<i>Date of Installation</i>	<i>Start Meter Reading</i>
<i>Meter Manufacturer</i>	<i>Meter Model Number</i>
<i>Meter Serial Number</i>	
<i>Meter Units of Measure</i>	<i>Meter Multiplier</i>
<input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> Gal <input type="checkbox"/> Other	
<i>Meter Size (inches)</i>	<i>Discharge Pipe Size (inches)</i>
<i>Meter Use</i>	
<input type="checkbox"/> Agricultural	<input type="checkbox"/> Domestic <input type="checkbox"/> Municipal/Industrial
<i>Well/Flowmeter Access</i>	
<input type="checkbox"/> Shed	<input type="checkbox"/> Open <input type="checkbox"/> Behind Locked Gate
<input type="checkbox"/> Underground Vault	<input type="checkbox"/> Other

Flowmeter Update Form – Meter Multiplier

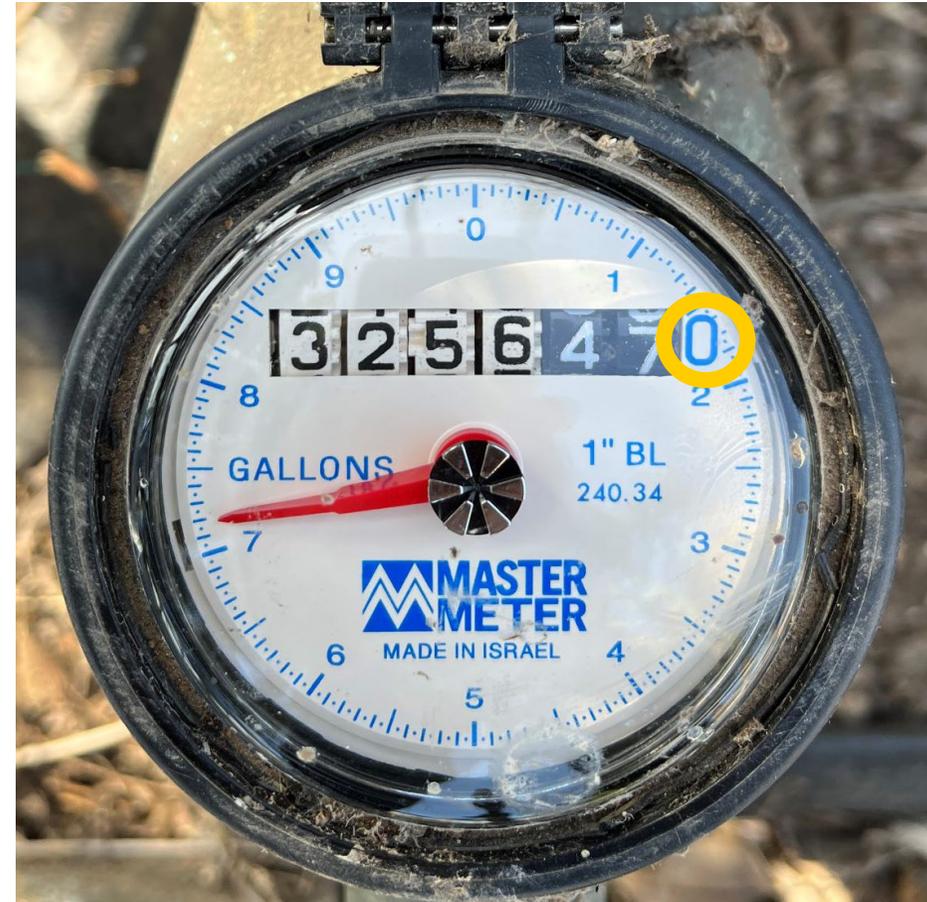


x100

Flowmeter Update Form – Meter Multiplier



x100



x10

Flowmeter Update Form – Meter Multiplier



X0.0001

Flowmeter Update Form – Meter Multiplier



X0.0001



X0.01

Flowmeter Update Form – Supplemental Information

- Proof of flowmeter accuracy (calibration)
- Flowmeter invoice or installation work order
- Meter registration photos
 - Meter face
 - Meter serial number
 - Installation – 10ft away
- Groundwater usage estimate, with supporting data (if meter failed)



Proof of Accuracy – Meter Calibration

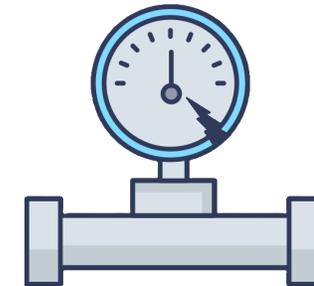
- Proof of accuracy within +/- 5% required
 - Not required for meter resets or change in units/multiplier
 - Test every 3 years
- Acceptable forms of proof
 - Meter manufacturer reports (new meters)
 - Approved calibration contractors
 - Service no longer provided by Southern California Edison

Well Info	Meter Info	Current Meter Reading (09/30/2025)	Previous Meter Reading (03/31/2025)	Difference	X Mult.	/ Div.	AF Extraction
	S/N: 123456 Mfg: McCrometer Exp: 05/12/2026	0	0	0			0.000

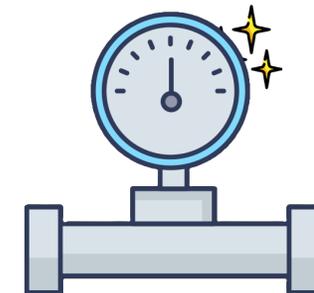
Groundwater Usage Estimate & Data

- Flowmeter is inaccurate and extractions must be estimated
 - Subject to additional fees
- Complete both pages of Flowmeter Update Form
 - Estimate located on second page

<i>Start Date of Estimate</i>	<i>End Date of Estimate</i>	<i>Estimated Groundwater Use</i>	<input type="checkbox"/> gallons	<input type="checkbox"/> acre-feet
<i>Identify the Data Sources Used for the Groundwater Usage Estimate</i>				
<input type="checkbox"/> Advanced Metering Infrastructure (AMI) Data	<input type="checkbox"/> Irrigation Logs			
<input type="checkbox"/> Average of Previous Extraction Reporting	<input type="checkbox"/> Backup Flowmeter	<input type="checkbox"/> Other: _____		
<i>Describe the Nature of the Meter Failure</i>				



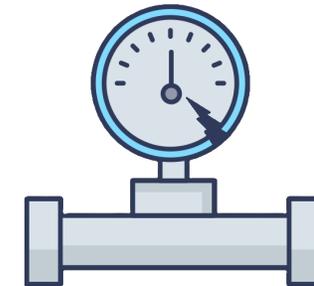
Start Date:
When failure was discovered



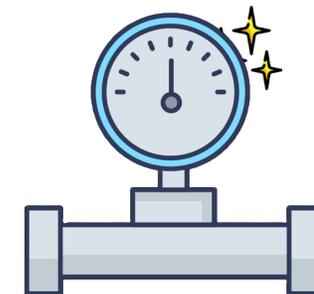
End Date:
When new or repaired meter is installed

Groundwater Usage Estimate & Data

- Flowmeter is inaccurate and extractions must be estimated
 - Subject to additional fees
- Complete both pages of Flowmeter Update Form
 - Estimate located on second page
- Acceptable data source
 - Advanced metering infrastructure (AMI)
 - Irrigation logs
 - Back-up meter
 - Historic averages



Start Date:
When failure was discovered



End Date:
When new or repaired meter is installed

Advanced Metering Infrastructure (AMI)

- AMI required on all non-exempt wells
- Notify AMI vendor of meter changes
- Choosing a vendor
 - List of known vendors available (Ranch Systems, Wildeye, Acuity, etc.)
 - New vendors accepted with approval
 - Check with vendors for system limitations



Contact Us

- For Flowmeter Questions and to Schedule Appointments
 - Email: FCGMA.Flowmeter@venturacounty.gov
- Address
 - 800 S. Victoria Ave Ventura, CA 93009

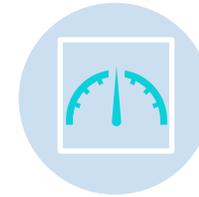
Discussion Topics



Agency Mission & History



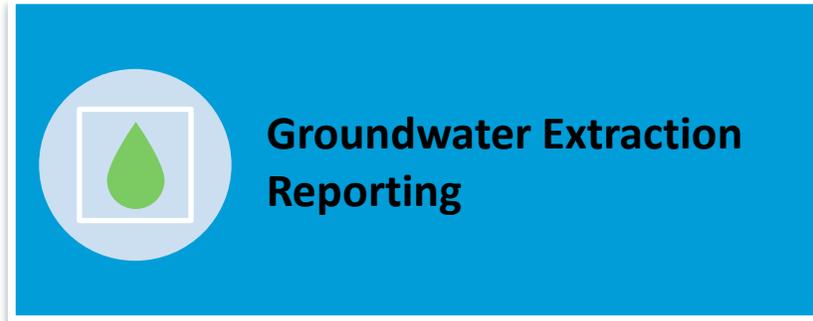
Owner, Operator & New Well Registrations



Flowmeters



Advanced Metering Infrastructure (AMI)



Groundwater Extraction Reporting



Resources

FCGMA.org

FCGMAOnline.org



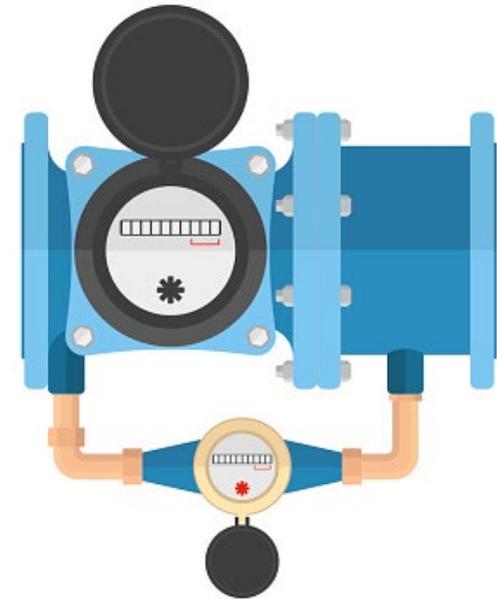
Contact Us



Q&A

Groundwater Extraction Reporting

- Online Reporting for SAES
 - Meter Help Tool
 - Meter Photos
 - How to Report Meter Readings
 - ARR form (SAES -2, OPV only)
- Inactive (Exempt) Wells
- Charges and Fees



Groundwater Extraction Reporting

- Water Year starts October 1st and ends September 30th
 - 2 Reporting Periods

“SAES -1”



“SAES -2”



Online Reporting

- Account User Guide (fcgma.org/fcgma-online-account-user-guide)



The screenshot displays the FCGMA website interface. At the top, the text "FCGMA Fox Canyon Groundwater Management Agency" is overlaid on a background image of a river. A blue sidebar on the left contains a menu with the following items: "Groundwater Extraction Reporting", "Reporting Periods", "Flowmeters", "Fees & Penalties", "Payment Options", "Irrigation Allowance Index", "FCGMA Online Account Login", "Account User Guide", "Reporting FAQ", and "Agency Forms". The "Account User Guide" item is highlighted with a red box. The main content area is titled "Account User Guide" and features a video player. The video player has a red border and contains the following text: "FCGMA SAES Online User Guide", "Fox Canyon Groundwater Management Agency (FCGMA)", "Semi-Annual Extraction Statement (SAES) Online User Guide", and a red play button icon. To the right of the video player is the FCGMA logo, which is a circular seal with the text "FOX CANYON GROUNDWATER MANAGEMENT AGENCY EST. 1982" and an illustration of a landscape with a sun, mountains, and a river. Below the video player, there is a "Watch on YouTube" button and a red-bordered box containing the text "SAES Online User Guide".

Online Reporting (fcgmaonline.org)

- Semi-Annual Extraction Filings
 - Submit SAES, ARR (**SAES -2, OPV only**), and upload meter photos

Home ▾		Applications ▾		Reports ▾		Log Off ▾	
Home							
<u>Statement Filing Due By MM/DD/YYYY</u>							
Select CombCode: <input type="text"/>		Send Payments to: 800 S. Victoria Avenue Ventura, CA 93003-1610			<u>Current Amount Due: \$0.00</u>		
						Map Lookup	
My Account							
Current Notifications							
Semi-Annual Extraction Due Date:		<input type="text"/>		Days Now Past Due:			
Surcharge Fees Now Due:		<input type="text"/>					
Semi-Annual Extraction Filings (0)		<input type="text"/>					

Online Reporting

- Extraction Information
 - Meter Help Tool
 - Enter Readings
 - Upload Meter Photos
 - S/N Hyperlink
 - Calculate AF Ext

Extraction Information

Enter **Current Meter Reading** for each well, then select **Calculate** to compute the **Difference, AF Extraction** for each well and **Total AF Extraction** for all wells. [Meter Help](#)

Select the **Meter Help** button for information on how to read your meter:

If there was a flowmeter malfunction, you may enter the value directly under the **AF Extraction** heading and enter 0 (zero) for the **Current Meter Reading**. Please also complete and submit a [Flowmeter Update Form](#) to: FCGMA.Flowmeter@venturacounty.gov.

Select **Meter Info S/N** link to upload the corresponding flowmeter photograph for each flowmeter reading for the current reporting period.

Well Info	Meter Info	Current Meter Reading	Previous Meter Reading	Difference	X Mult.	/ Div.	AF Extraction
SWN Well Name Well Status	Photo Status S/N: Meter Photo Mfg: Exp:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
SWN Well Name Well Status	Photo Status S/N: Meter Photo Mfg: Exp:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
SWN Well Name Well Status	Photo Status S/N: Meter Photo Mfg: Exp:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Total AF Extraction: [Calculate](#)

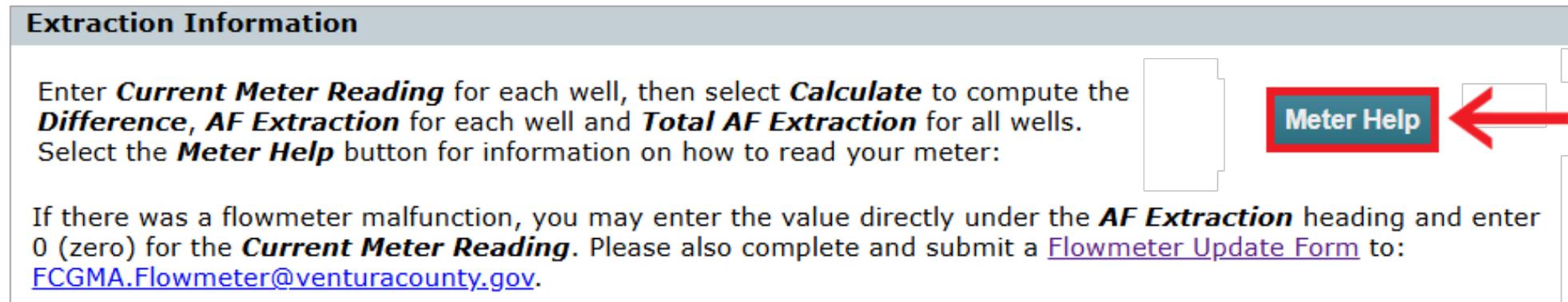
Meter Help Tool

- Examples of approx. 100 different meter models
 - Search by manufacturer and model
 - Helps identify meter reading, multiplier, and units

Extraction Information

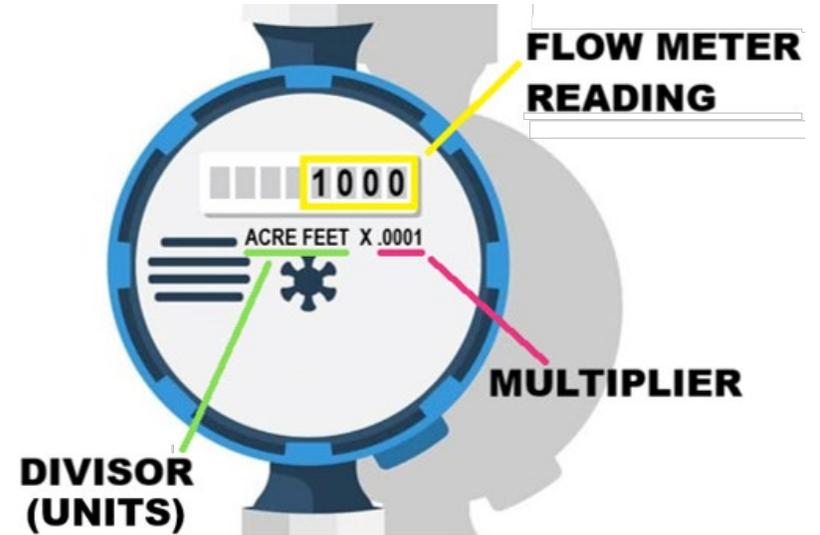
Enter ***Current Meter Reading*** for each well, then select ***Calculate*** to compute the ***Difference, AF Extraction*** for each well and ***Total AF Extraction*** for all wells. Select the ***Meter Help*** button for information on how to read your meter:

If there was a flowmeter malfunction, you may enter the value directly under the ***AF Extraction*** heading and enter 0 (zero) for the ***Current Meter Reading***. Please also complete and submit a [Flowmeter Update Form](#) to: FCGMA.Flowmeter@venturacounty.gov.

A screenshot of a web application interface. At the top, there is a grey header bar with the text 'Extraction Information'. Below this, there is a text area with instructions: 'Enter ***Current Meter Reading*** for each well, then select ***Calculate*** to compute the ***Difference, AF Extraction*** for each well and ***Total AF Extraction*** for all wells. Select the ***Meter Help*** button for information on how to read your meter:'. To the right of this text is a white rectangular button with a red border and the text 'Meter Help' in white. A red arrow points from the right towards this button. Below the text area, there is another paragraph: 'If there was a flowmeter malfunction, you may enter the value directly under the ***AF Extraction*** heading and enter 0 (zero) for the ***Current Meter Reading***. Please also complete and submit a [Flowmeter Update Form](#) to: FCGMA.Flowmeter@venturacounty.gov.'

Meter Help Tool

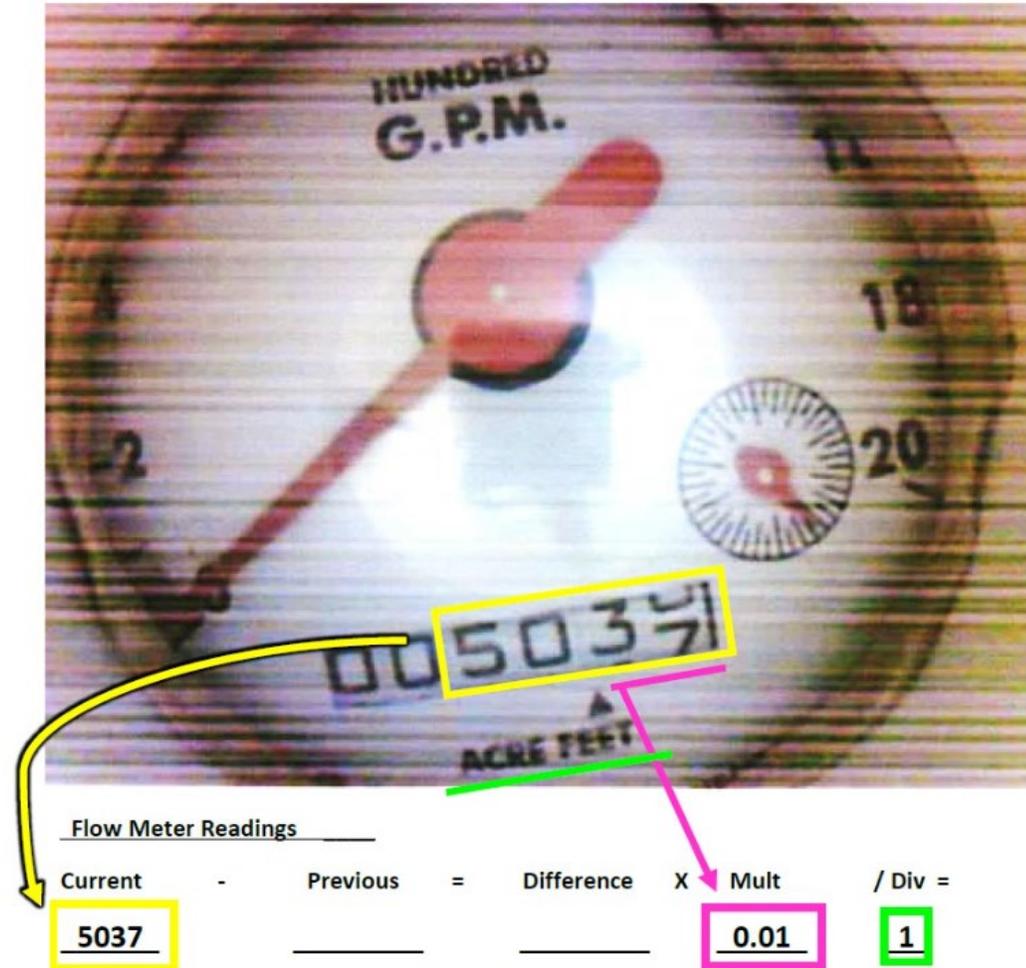
- Color-coded:
 - **Yellow**: Register / Flowmeter Reading
 - **Magenta**: Multiplier
 - **Green**: Divisor / Units



State Well Number	Meter S/N	Check Box for Current Meter	Flow Meter Readings									
		<input type="checkbox"/>	Current	-	Previous	=	Difference	x	Mult.	/	Div. Unit/AF	AF Extraction
Active		<input type="checkbox"/>										
Total Extraction (AF):												

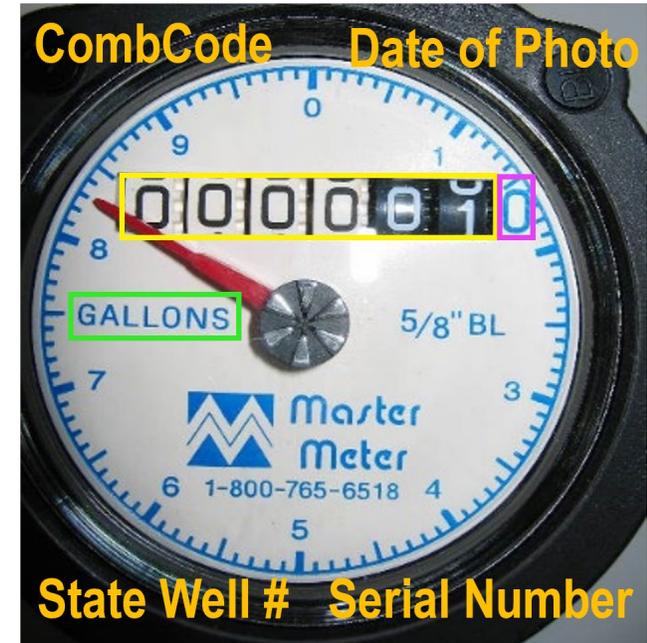
Meter Help Tool

- McCrometer Example
 - Current Reading = 5037
 - Multiplier = 0.01
 - Div/Units = 1 (AF)



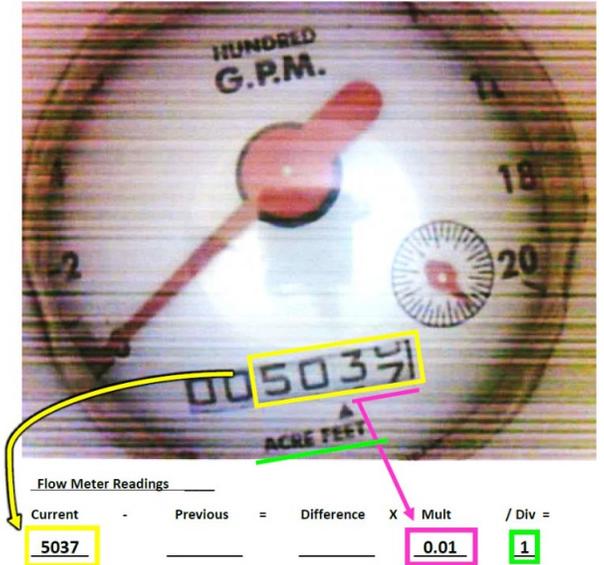
Meter Photos

- Used to validate meter readings
- Labeled
 - **CombCode, Date of Photo, SWN, and S/N**
- Legible
 - **Reading, Multiplier, and Units**
 - More than one photo may be required to capture the above information.



How to Report Meter Readings

- Add Extraction Information
 - Add Current Reading
 - Calculate Difference
 - Calculate AF Ext (to third decimal)



State Well Number	Meter S/N	Check Box for Current Meter	Flow Meter Readings (<u>Omit decimals from readings</u>)					Div. Unit/AF	AF Extraction
			Current	Previous	= Difference	x Mult.	/		
Active		<input type="checkbox"/>	5037	4037	1000	0.01	1	10.000	

How to Report Meter Readings

- Confirm the pre-populated fields are accurate
 - Previous Meter Reading (or most recent)
 - Multiplier and Units
 - These should be the same figures reported in the Flowmeter Update (FMU) form



State Well Number	Meter S/N	Check Box for Current Meter	Flow Meter Readings (<u>Omit decimals from readings</u>)					AF Extraction
			Current	Previous	= Difference	x Mult.	/ Div. Unit/AF	
Active		<input type="checkbox"/>	5037	4037	1000	0.01	1	10.000

How to Report Meter Readings

- Why are accurate Mult and Units important?
 - Accurate AF Ext and Charges/Fees

Correct Reporting

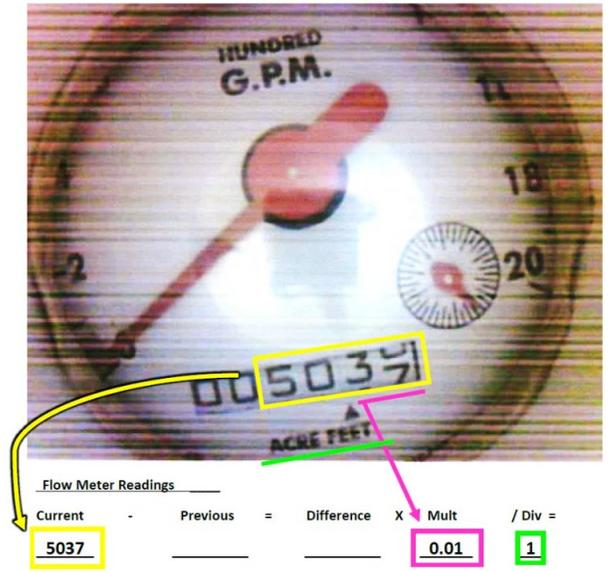
State Well Number	Meter S/N	Check Box for Current Meter	Flow Meter Readings (Omit decimals from readings)				Div. Unit/AF	AF Extraction
			Current	Previous	= Difference	x Mult.		
Active		<input type="checkbox"/>	5037	4037	1000	0.01	1	10.000

Incorrect Multiplier

State Well Number	Meter S/N	Check Box for Current Meter	Flow Meter Readings (Omit decimals from readings)				Div. Unit/AF	AF Extraction
			Current	Previous	= Difference	x Mult.		
Active		<input type="checkbox"/>	5037	4037	1000	0.01 1	1	1000.00

Incorrect Units

State Well Number	Meter S/N	Check Box for Current Meter	Flow Meter Readings (Omit decimals from readings)				Div. Unit/AF	AF Extraction
			Current	Previous	= Difference	x Mult.		
Active		<input type="checkbox"/>	5037	4037	1000	0.01	43560	2.296



Flow Meter Readings
 Current - Previous = Difference x Mult / Div =
 5037 - 4037 = 1000 x 0.01 / 1 = 10.000

When to Report Manually (Hard Copy)

- Meter Change(s) Not Yet Reflected in SAES
 - Handwrite information in SAES
- Previous SAES are in Saved status
 - Complete SAES packet manually
 - Meter photos can still be uploaded online
 - ARR form (SAES -2, OPV only) can still be submitted online



When to Report Manually (Meter Change)

- Manually Add Readings for Old Meter and New Meter

State Well Number	Meter S/N	Check Box for Current Meter	Flow Meter Readings							
			Current	-	Previous	=	Difference	x Mult. /	Div. Unit/AF	AF Extraction
Old Meter	Old S/N	<input type="checkbox"/>	END READ 24000		23000		1000	0.01	1	10.000
New Meter	New S/N		CURRENT READ 19		START READ 0		19	0.01	1	0.190
									Total Extraction (AF):	10.190

Additional Reporting Requirements

- ARR Form (SAES -2, OPV Only)

Fees	
Previous Balance	\$0.00
Reserve Fee [AF x \$20.00]	_____
Sustainability Fee [AF x \$29.00]	_____
Extraction Charge [AF x \$6.00]	_____
Extraction Interest Charge [Extraction charge x 1.5% x month(s) overdue]	_____
Civil Penalty [\$50.00 x day(s) overdue]	_____
Surcharge [Exceedance: 0.000 AF] (see Fee Schedule for Surcharge Rates)	_____
Surcharge Late Penalty [Surcharge x 1.5% x month(s) overdue]	_____

Extraction Allocation	
<p><i>An Ordinance to Establish an Allocation System for the Oxnard and Pleasant Valley Groundwater Basins</i> was adopted by the Board on October 23, 2019, and became operative October 1, 2020. For details go to Allocation at www.fcgma.org.</p>	
<p>Additional Reporting Requirements (ARR)</p>	
<p><i>Select applicable ARR form:</i></p>	
<p>Article 7 Primary Usage</p>	
<p>Current Status: NEW</p>	

Water Year Extractions	
_____ -1 Extractions:	0.000 AF
_____ -2 Extractions:	0.000 AF
_____ Total Water Year	= 0.000 AF

Additional Reporting Requirements Form

- Due annually, with the “-2” SAES (OPV only)
- Collects data on water source and application, for future land-based allocation system.
- 3 ARR Types
 - Agricultural Operators
 - Mutual Water Companies, Special Districts and Municipalities
 - Domestic or Municipal or Industrial Operators

Inactive (Exempt) Wells

- Flowmeter Exemption (FME) form
- SAES is still required



Charges and Fees

Fee Schedule				
Fee Type	Amount	Unit	AF Exceedance Range	Resolution
Extraction	\$6	AF	-	2014-02
Sustainability	\$24	AF	-	2022-05
Reserve	\$20	AF	-	2025-06
Civil Penalty	\$50	x Days Late	-	2019-1
Extraction Interest	1.5%	x Months Late	-	2.4.2
Surcharge Interest	1.5%	x Months Late	-	5.8.6.2
Surcharge Tier 1	\$1929	AF	0.000 - 25.000	2024-03
Surcharge Tier 2	\$2179	AF	25.001 - 99.999	2024-03
Surcharge Tier 3	\$2429	AF	>100.000	2024-03

Surcharges, if incurred, are assessed at the end of the Water Year on the "-2" statement.
 For more information regarding fees, visit www.FCGMA.org/Public-Documents/Resolutions.

Charges and Fees

- Round Charges and Fees to the 2nd Decimal

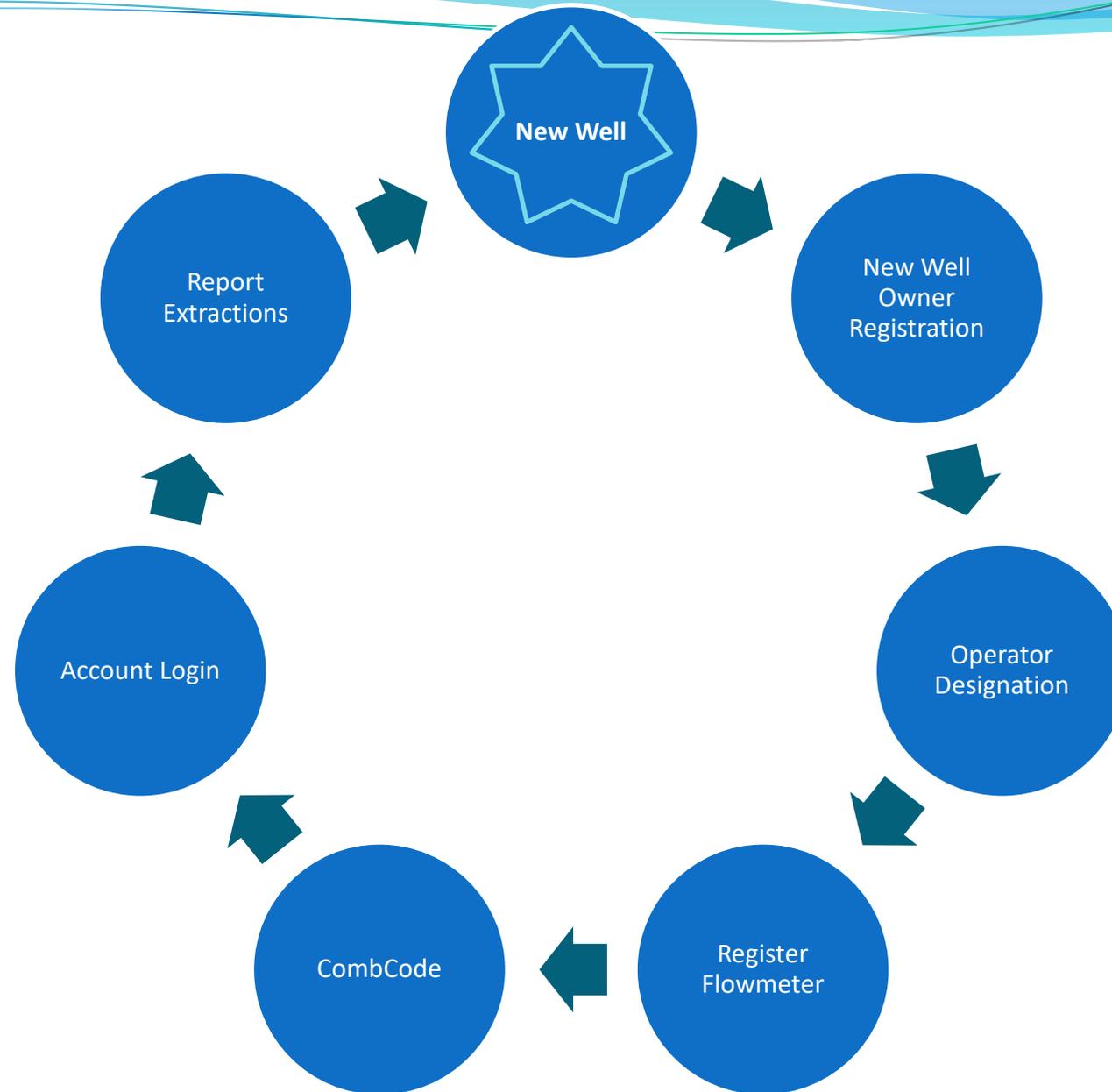


8	Reserve Fee: [Total from Box 6: <u>10.190</u> AF x \$20.00]	+\$ <u>203.80</u>
9	Sustainability Fee: [Total from Box 6: <u>10.190</u> AF x \$24.00]	+\$ <u>244.56</u>
10	Extraction Charge: [Total from Box 6: <u>10.190</u> AF x \$6.00]	+\$ <u>61.14</u>
11	Surcharge: [Exceedance: _____ AF] (See Surcharge Rates for breakdown)	+\$ _____
<u>Complete this section ONLY if past the due date.</u>		
12	Extraction Interest Charge: [Extraction charge x 1.50% x month(s) overdue]	+\$ _____
13	Surcharge Late Penalty: [Surcharge x 1.50% x month(s) overdue]	+\$ _____
14	Civil Penalty: [\$50.00 x day(s) overdue]	+\$ _____
15	Amount Waived:	- \$ _____
16	Total Amount Due: [Total of lines 7 through 15]	= \$ <u>509.50</u>

Contact Us

- SAES Reporting Questions and Appointments
 - Email: fcgma.report@venturacounty.gov
- Address
 - 800 S. Victoria Ave Ventura, CA 93009

Compliance Flowchart Summary



Any Questions?

