

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

A STATE OF CALIFORNIA WATER AGENCY



## BOARD OF DIRECTORS

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**David Borchard, Vice Chair**, Farmer, Agricultural Representative  
**Steve Bennett**, Supervisor, County of Ventura  
**Charlotte Craven**, Councilperson, City of Camarillo  
**Robert Eranio**, Director, United Water Conservation District

## EXECUTIVE OFFICER

**Jeff Pratt, P.E.**

## NOTICE OF MEETING

**NOTICE IS HEREBY GIVEN** that the Fox Canyon Groundwater Management Agency (FCGMA) will hold an **Executive Committee Meeting at 6:30 p.m. on Thursday, June 15, 2017**, in the **Multi-Purpose Room** of the Rio Del Mar Elementary School, at **3150 Thames River Drive, Oxnard, CA 93036**.

## FCGMA EXECUTIVE COMMITTEE MEETING AGENDA

**June 15, 2017**

- Members:** Chair Eugene F. West  
Co-Chair David Borchard
- A. Call to Order**
  - B. Introductions**
  - C. Public Comment** – Audience members may speak about FCGMA-related matters not on today's Agenda.
  - D. Overview of Past and Current Pumping Allocation and Groundwater Management** – Agency staff will present an overview of the FCGMA, past pumping allocation systems, Emergency Ordinance E, the Sustainable Groundwater Management Act, Groundwater Sustainability Plan development, and the need for development of a new pumping allocation system.
  - E. Updates from Oxnard and Pleasant Valley Basins Stakeholder Groups** – Representatives from the Oxnard and Pleasant Valley Basins Agriculture and Municipal & Industrial Pumpers Stakeholder Groups will provide an overview of their efforts to develop a new pumping allocation system, issues of agreement and disagreement, and recommendations for moving forward.
  - F. Discussion on Development of New Pumping Allocation System in the Oxnard and Pleasant Valley Basins** – 1) Executive Committee will lead discussion of development of new pumping allocation system in the Oxnard and Pleasant Valley Basins; 2) receive comments and suggestions from stakeholders, public, and staff; and 3) provide direction to stakeholders and staff for development of new pumping allocation system.
  - G. Adjourn the Executive Committee Meeting**

## NOTICES

*The FCGMA Board strives to conduct accessible, orderly, and fair meetings where everyone can be heard on the issues. The Board Chair will conduct the meeting and establish appropriate rules and time limitations for each item. The Board can only act on items designated as Action Items. Action items on the agenda are staff proposals and may be modified by the Board as a result of public comment or Board member input. Additional information about Board meeting procedures is included after the last agenda item.*

**Administrative Record:** Material presented as part of testimony will be made part of the Agency's record, and 10 copies should be left with the Board Clerk. This includes any photographs, slides, charts, diagrams, etc.

**ADA Accommodations:** Persons who require accommodation for any audio, visual, or other disability in order to review an agenda or to participate in the Board of Directors meeting per the Americans with Disabilities Act (ADA), may request such accommodation in writing addressed to the Clerk of the FCGMA Board, 800 So. Victoria Avenue, Location #1610, Ventura, CA 93009-1610, or via telephone by calling (805) 654-2014. Any such request should be made at least 48 hours prior to the meeting so staff can make the necessary arrangements.

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**Availability of Complete Agenda Package:** A copy of the complete agenda package is available for examination at the FCGMA office during regular working hours (8:00 a.m. to 5:00 p.m. Monday through Friday) beginning five days before the Board meeting. Agenda packet contents are also posted on the FCGMA website as soon as possible, and left there for archival retrieval in case reference is needed on previously considered matters. Questions about specific items on the agenda should be directed to the Agency's Executive Officer.

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**Continuance of Items:** The Board will endeavor to consider all matters listed on this agenda. However, time may not allow the Board to hear all matters listed. Matters not heard at this meeting may be carried over to the next Board meeting or to a future Board meeting. Participating individuals or parties will be notified of the rescheduling of their item prior to the meeting. Please contact the FCGMA staff to find out about rescheduled items.

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**Electronic Information and Updates:** Our web site address is <http://www.fcgma.org>. Information available online includes the Board's meeting schedule, a list of the Board members and staff, general information, and various Agency forms. If you would like to speak to a staff member, please contact the FCGMA Clerk of the Board at (805) 654-2014.



# Overview of Past and Current Pumping Allocation and Groundwater Management in the Fox Canyon Groundwater Management Agency

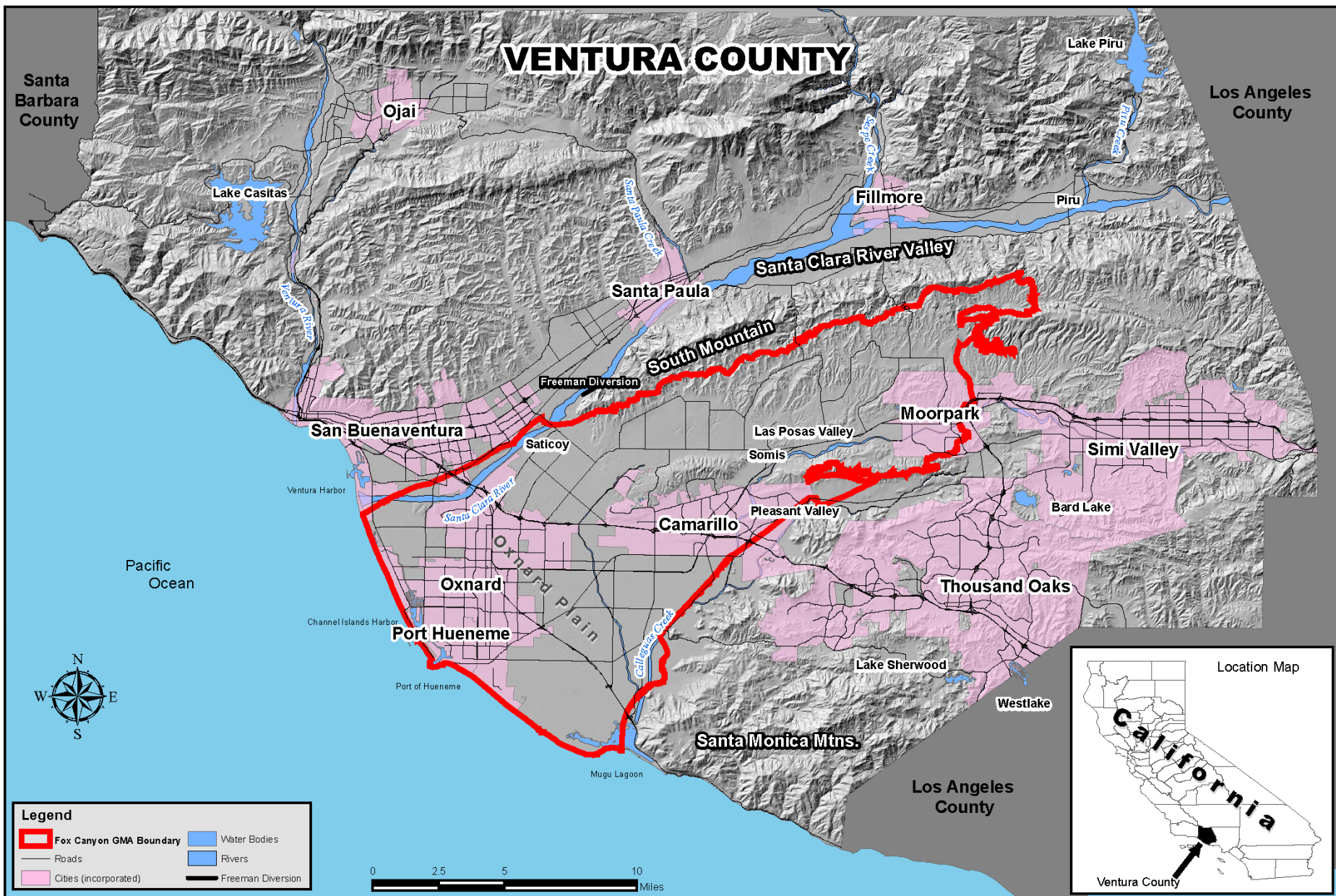
Kim Loeb  
Groundwater Manager

Fox Canyon GMA  
Executive Committee Meeting  
June 15, 2017

# Fox Canyon GMA

- Established by California Legislature in 1982
- Charged with preservation and management of groundwater resources within lands overlying the Fox Canyon aquifer
- California Special District
- Board of Directors
  - United Water Conservation District
  - County of Ventura
  - Five Cities
  - Mutual Water Companies & Special Districts
  - Agricultural Representative
- Demand-side authority – regulate installation wells, extraction, conservation, etc.





**FOX CANYON GROUNDWATER MANAGEMENT AGENCY** (A State Of California Water Agency)

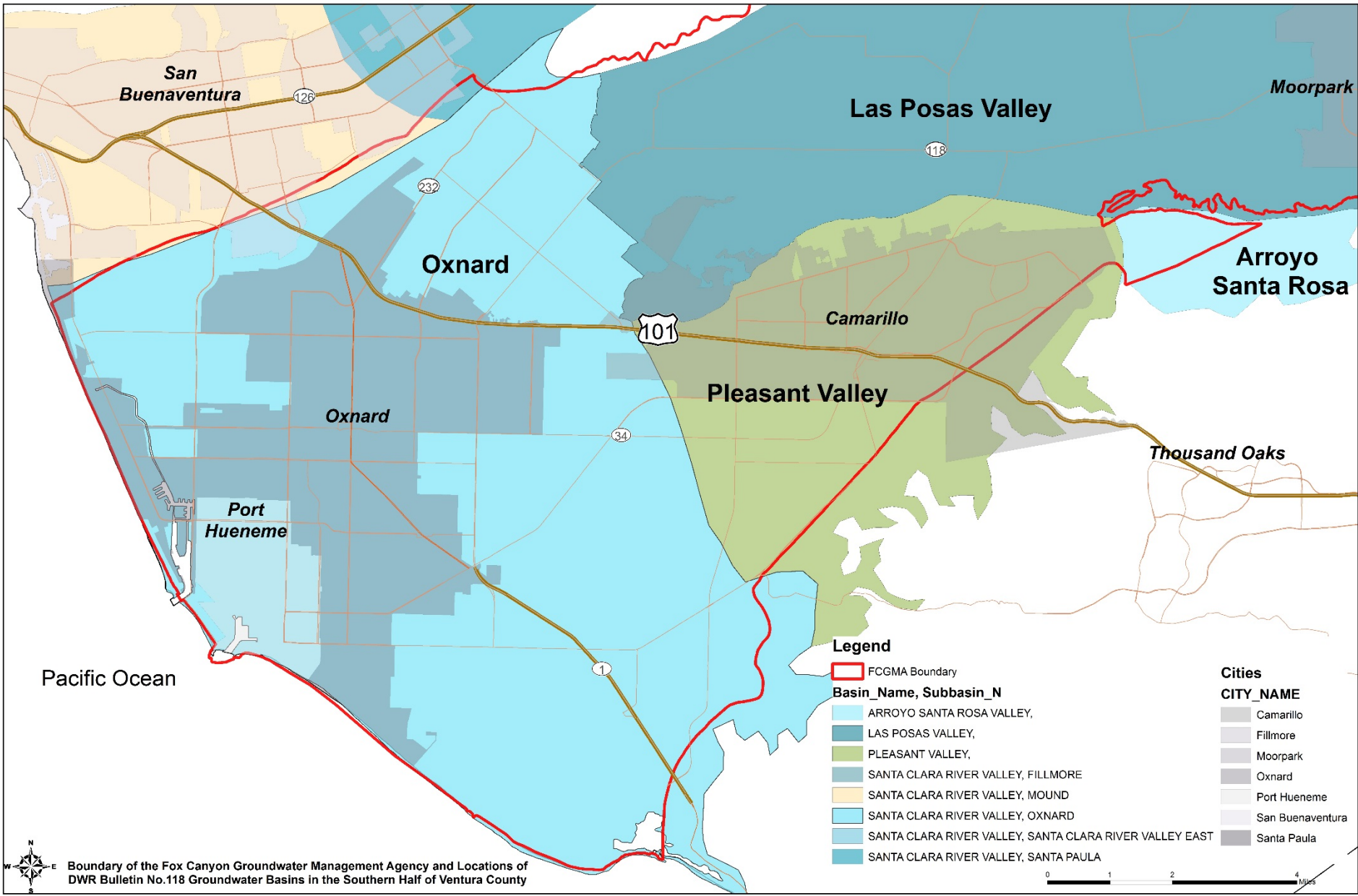
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Prepared By: JPD  
 Reviewed By: KR  
 Date Prepared: October 2016  
 Date Reviewed: October 2016

**DISCLAIMER:** The information contained herein was created by the Fox Canyon Groundwater Management Agency solely for its own use. The FCGMA assumes no liability for damages incurred directly or indirectly as a result of errors, omissions or discrepancies.

1. City limits: Ventura County Geographic Information Systems, 2007
2. FCGMA Boundary VCBOS, 1992; Revised 1996.

**Figure 1: Fox Canyon Groundwater Management Agency Boundary**



Boundary of the Fox Canyon Groundwater Management Agency and Locations of DWR Bulletin No. 118 Groundwater Basins in the Southern Half of Ventura County



# Past Pumping Allocation Systems

- Pumping allocation first implemented in 1990
- Three types of well operators
  - Agricultural
  - Municipal and Industrial (M&I)
  - Domestic
- Historical Allocation (HA) based on 1985 – 1989 avg. pumping
- Five steps to 25% reduction by 2010
- Baseline Allocation if no HA or new/changed land use after 1989
- Efficiency Allocation option for Agricultural land
- Surcharges imposed for exceeding allocation

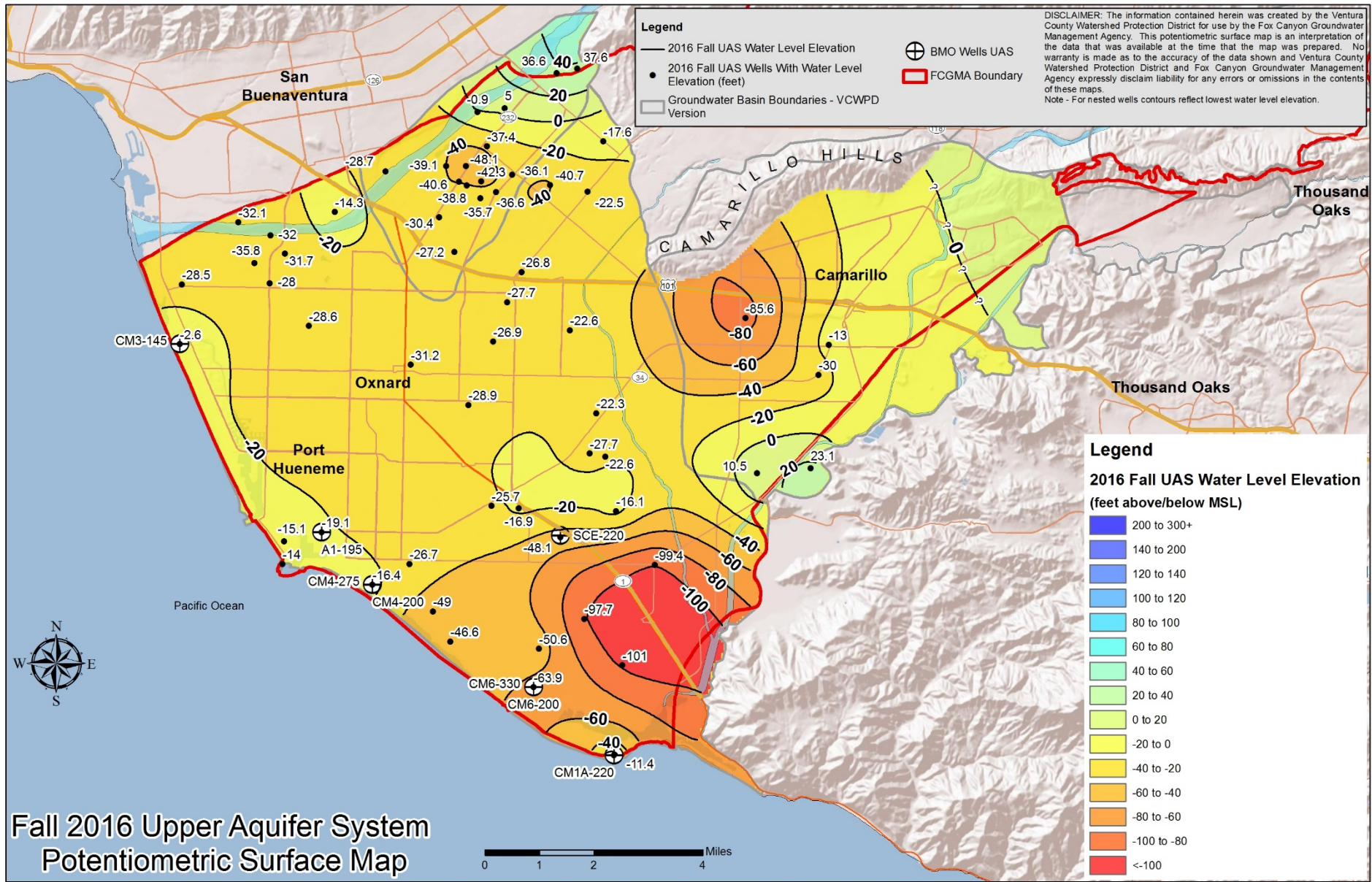
# Emergency Ordinance E

- Adopted April 11, 2014
- Municipal & Industrial Well Operators
  - Temporary Extraction Allocation (TEA) based on 2003 – 2012
  - Reduced by 20% in three steps by July 1, 2015
- Agricultural Well Operators
  - Annual Efficiency using Irrigation Allowance Index (IAI)
  - 25% reduction of irrigation allowances effective Aug. 1, 2014
- Use of credits suspended
- Surcharges imposed for exceeding allocation or  $>1.0$  IAI



# Pumping in Oxnard & PV Basins

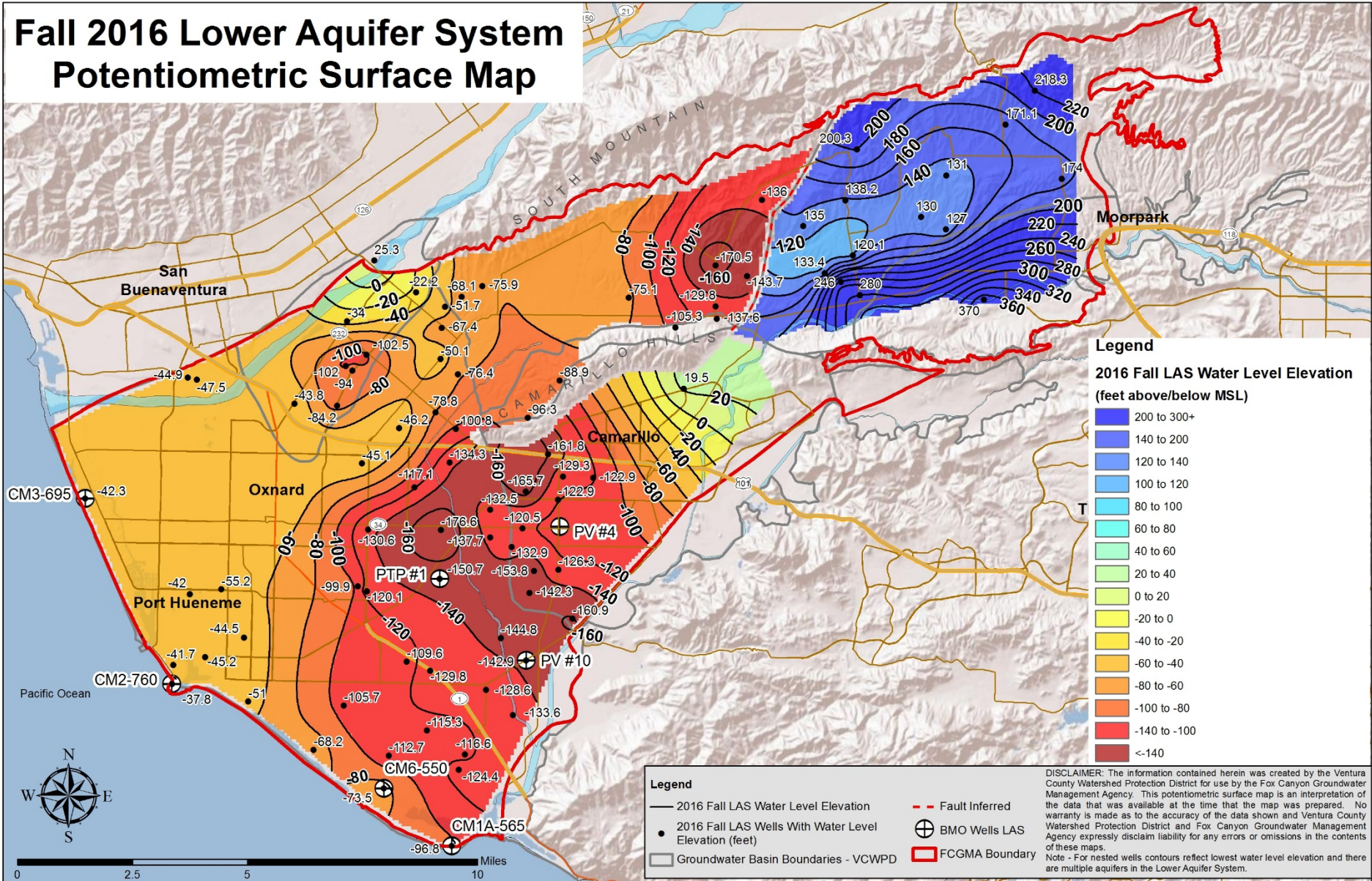
Baseline Period [2003-2012] Extraction (AF)	Reporting Period 2015/16 Extraction (AF)	2015/16 Extraction vs. Baseline
90,898	101,453	12%



Fall 2016 Upper Aquifer System Potentiometric Surface Map



# Fall 2016 Lower Aquifer System Potentiometric Surface Map



# SGMA Overview

- Passed Sept. 2014, effective Jan. 2015
- Requires groundwater basins to be managed “sustainably”  
= management of groundwater that does not cause **undesirable results** within planning horizon
- No modification of water rights or priorities
- Strengthens local control & management of basins
- State will step in if locals don’t comply
- GSA = Groundwater Sustainability Agency
- GSP = Groundwater Sustainability Plan
- FCGMA deemed exclusive GSA within FCGMA boundary
- FCGMA Board GSA resolution Jan. 2015



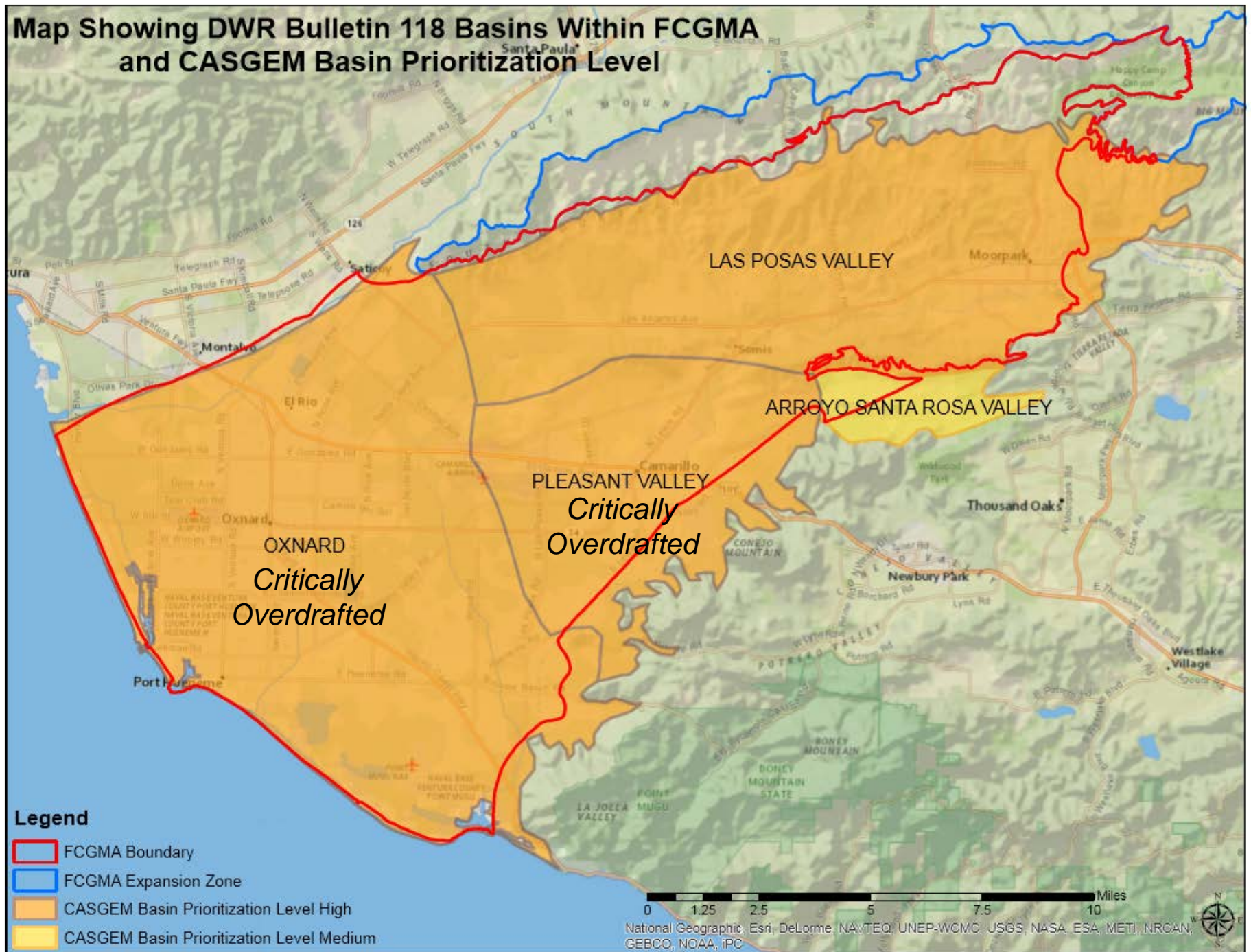
# Undesirable Results

- Chronic **lowering of groundwater levels** indicating a significant & unreasonable depletion of supply
- Significant & unreasonable **reduction of groundwater storage**
- Significant & unreasonable **seawater intrusion**
- Significant & unreasonable **degraded water quality**
- Significant & unreasonable **land subsidence** that substantially interferes with surface land uses
- **Depletions of interconnected surface water** that have significant & unreasonable adverse impacts on beneficial uses of the surface water

# Key Dates

- Jan. 2015 – Baseline for undesirable results
- June 2017 – GSAs must be formed for high & med. priority basins
- Jan. 2020 – GSPs adopted for critically overdrafted basins
- Jan. 2022 – GSPs adopted for other high & med. priority basins
- 20 year sustainability
- 50 year planning horizon

# Map Showing DWR Bulletin 118 Basins Within FCGMA and CASGEM Basin Prioritization Level



# Groundwater Sustainability Plan

- Includes physical description of the basin including groundwater levels, quality, historical and projected demands, monitoring and management, etc.
- Establishes **sustainability indicators** and sets **measurable objectives** and **interim milestones** to achieve sustainability
- Based on **best available science**
- Identifies data gaps and plan to address them

**Sustainability indicator** – any effects caused by groundwater conditions in the basin that, when significant and unreasonable, cause undesirable results

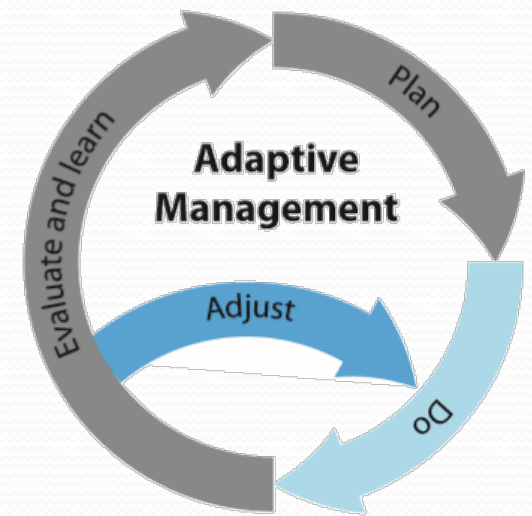
**Measurable objectives** – specific, quantifiable objectives for each sustainability indicator to achieve sustainability goal within 20 years

**Interim milestones** – 5-year targets to achieve measurable objectives



# 5-Year Review & Adaptive Mgmt.

- GSPs should incorporate adaptive management so they are amended based on new information
- GSAs must review and evaluate GSPs every 5 years to confirm progress toward achieving sustainability goals



# FCGMA Approach to GSPs

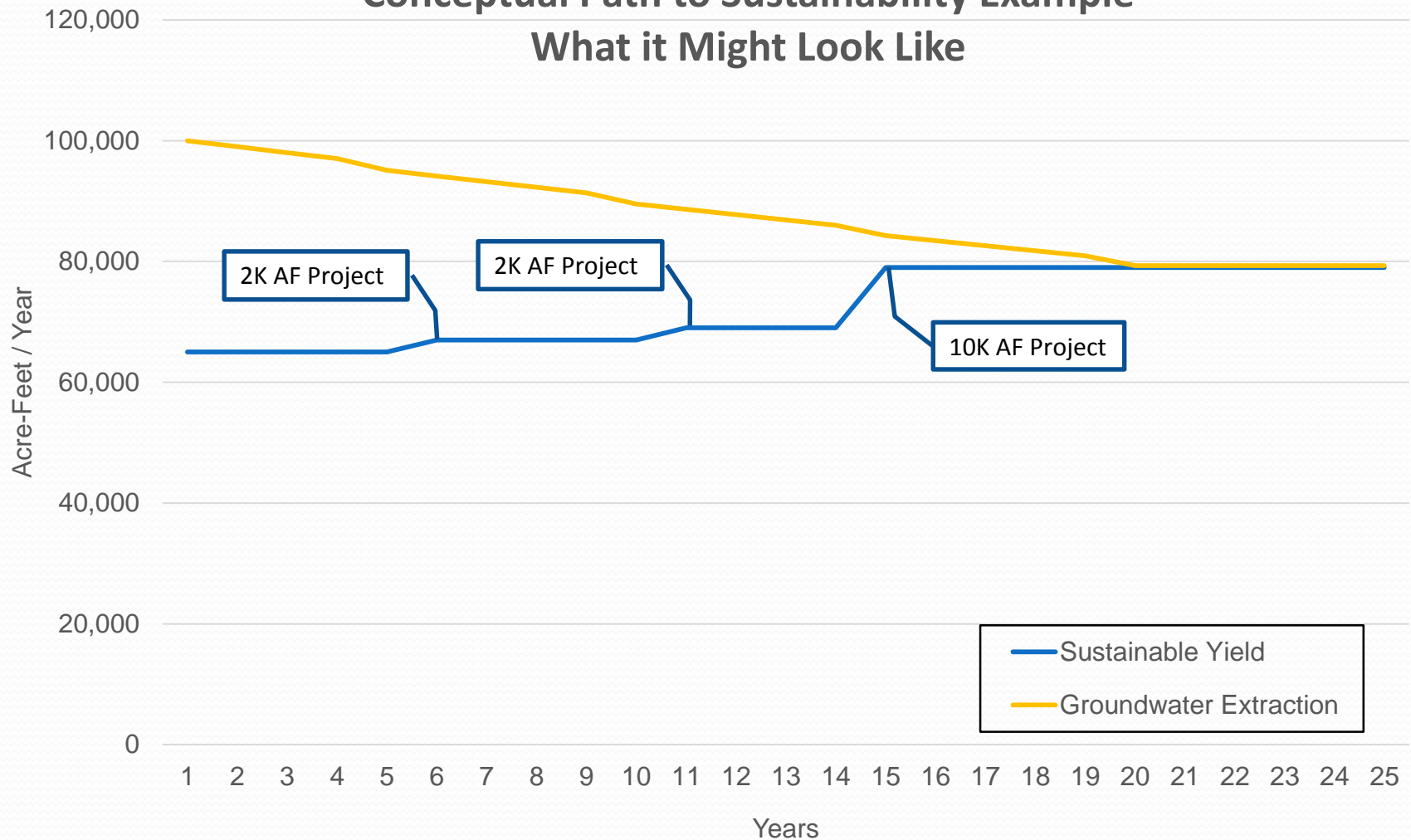
- Use “best available science” to prepare first GSPs
- 7 member Technical Advisory Group (TAG)
- Reasons for aggressive GSP schedule
  - Address impacts with sustainable-yield based allocation
  - Enable mechanism to fund water-supply projects to minimize allocation reduction
  - Proposition 1 Water Bond funding opportunities
  - Get in front of DWR review process – excellent communication with DWR, early review & feedback
- Schedule is for Draft GSPs to be presented to Board in November 2017

# SGMA & Allocation

- SGMA requires GSPs to include projects and “management actions” to achieve sustainability goals within 20 years
- GSP consultant and TAG working to establish sustainable yield for the basins – the size of the “pie”
- Pumping allocations are management actions to address demand side of water balance – how to divide “pie”
- Projects address supply side of water balance – how to increase size of “pie”

# Path to Sustainable Yield

## Conceptual Path to Sustainability Example What it Might Look Like





# How to Become Involved

- FCGMA Board Meetings – GSP update each month
- TAG Meetings – Usually first Thursday of month
- [www.fcgma.org](http://www.fcgma.org)
  - Board meeting agendas, minutes, video recordings
  - TAG meeting agendas and minutes
  - Draft GSP sections posted as they are available
- Public Workshops
- FCGMA GSP email newsletter
- Email [fcgma-gsp@ventura.org](mailto:fcgma-gsp@ventura.org)

# Questions?



[www.fcgma.org](http://www.fcgma.org)

[gsp-fcgma@ventura.org](mailto:gsp-fcgma@ventura.org)