



MoundBasin

GROUNDWATER SUSTAINABILITY AGENCY

WATER YEAR 2025 ANNUAL REPORT PRESENTATION

MARCH 23, 2026



TOPICS

1. Annual Report Requirements

2. Annual Report Highlights

3. Questions

ANNUAL REPORT REQUIREMENTS

■ What?

- Written report
- Monitoring data upload to DWR SGMA Portal

■ Why?

- It's required...GSP Emergency Regulations
- A primary means of communicating status to DWR
 - Basin conditions
 - Progress of GSP implementation

■ When?

- Annually
- Due April 1

ANNUAL REPORT REQUIRED ELEMENTS

- Executive summary
- Basin location map
- Presentation of water year data:
 - Groundwater elevation data (contour maps and hydrographs)
 - Groundwater extractions from the Basin
 - Surface water supplies to the Basin
 - Total water use in the Basin
 - Change in Basin groundwater storage
- Description of progress toward implementing the Plan:
 - Status relative to sustainable management criteria
 - Implementation of projects or management actions

ANNUAL REPORT CONTENTS

➤ Executive Summary

1. Introduction

2. Groundwater Conditions

a) Precipitation, water year type

b) Groundwater levels & quality

c) Water use and supply

d) Change in groundwater storage

3. Plan Implementation

4. References

Mound Basin Annual Report
Water Year 2025



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GROUNDWATER SUSTAINABILITY AGENCY

April 2026

PRECIPITATION AND WATER YEAR TYPE

Average = 15.46 inches

WY 2025 = 7.02 inches
Water Year Type = "Dry"

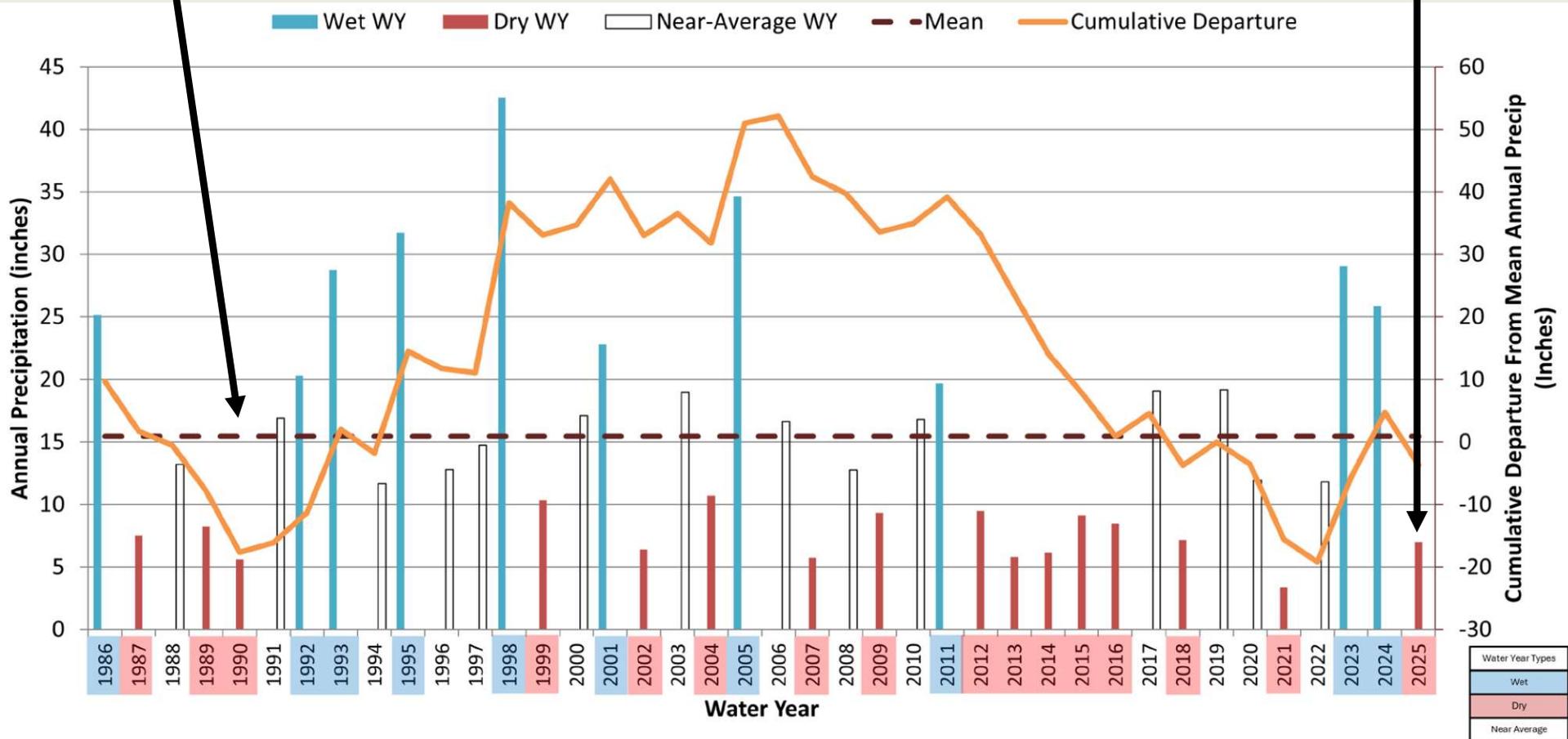


Figure 2.2

Annual Precipitation and Cumulative Departure from the Mean, with Water Year Types

GROUNDWATER LEVELS MUGU AQUIFER

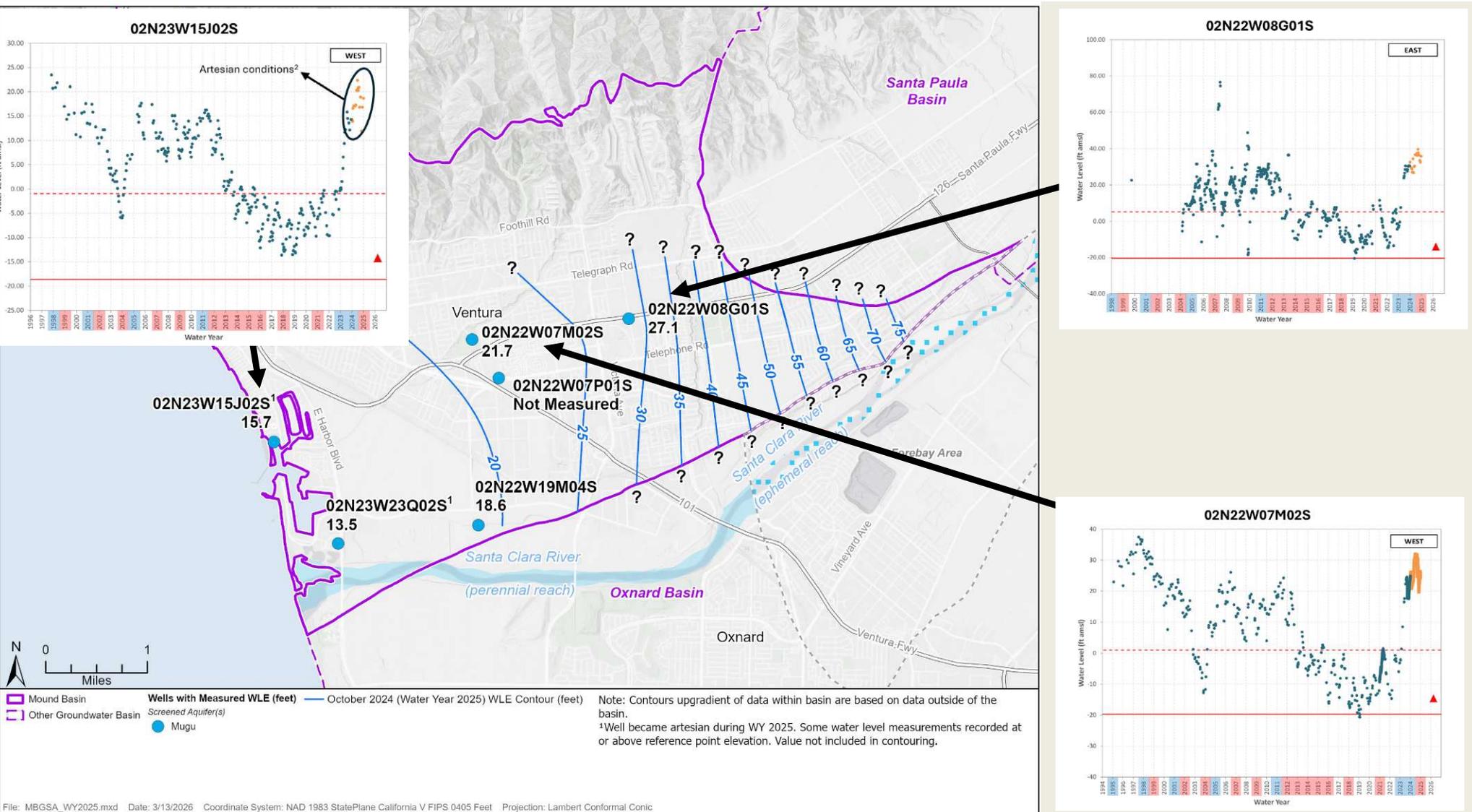


Figure 2.5 Water Level Elevation in Mugu Aquifer, October 2024 (Fall-Low Water Year 2025)

GROUNDWATER LEVELS HUENEME AQUIFER

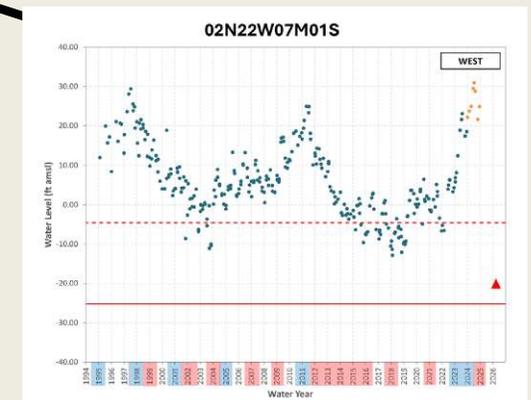
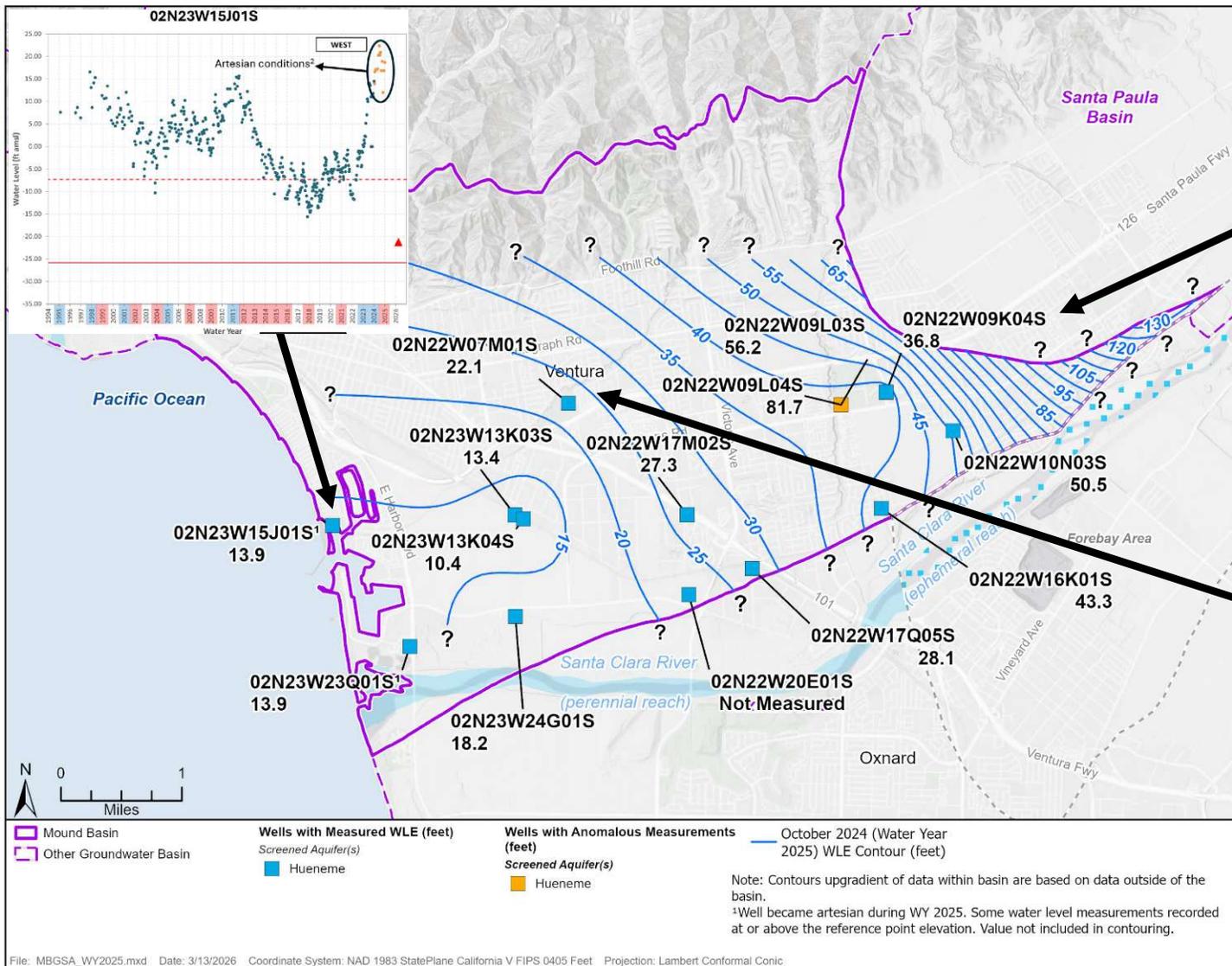


Figure 2.7 Water Level Elevation in Hueneme Aquifer, October 2024 (Fall-Low Water Year 2025)

GROUNDWATER QUALITY

- **Tracking of two-year moving average concentrations:**
 - **Total Dissolved Solids**
 - **Sulfate**
 - **Chloride**
 - **Nitrate**
 - **Boron**
- **2025 data generally consistent with historical data**

WATER USE / SUPPLY AND GROUNDWATER STORAGE CHANGE

Table 2.2 Total Water Use Within Mound Basin During Water Year 2025

Water Year 2025								
Water Use Sector	Water Source Type					Total	Method of Measurement	Accuracy of Measurement
	Groundwater Extraction	Imported Groundwater from Upper Ventura River Basin ^a	Imported Groundwater from Oxnard Basin ^b	Imported Groundwater from Santa Paula Basin ^b	Imported Surface Water (Casitas MWD) ^a			
Agricultural	2,162	0	133 ^c	1,067 ^c	0	3,362	Direct and Estimated ^d	Medium
Municipal and Industrial	906	898	5,589	0	898	8,292	Direct and Estimated ^{d,e}	High
Native Vegetation ^f	691	0	0	0	0	691	Estimated ^g	Medium
TOTALS	3,759	898	5,722	1,067	898	12,345		

Notes:

- Totals may not match sum of values due to rounding

^a M&I supplies from Upper Ventura River Basin and Casitas MWD are assumed to be split 50%-50% for use within Mound Basin (see text in Section 2.6).

^b M&I groundwater imports from Santa Paula Basin are assumed to be unused in Mound Basin (see Section 3.1.1.3 in GSP; MBGSA, 2021).

^c Groundwater imported by FICO and Alta MWC, see Section 3.1.1.3 in GSP.

^d Water year volumes for extraction wells estimated based on precipitation, see text in Section 2.4.

^e Imported M&I volumes are metered, and total use is based on the fraction of Mound Basin within Ventura Water service area (see text in Section 2.6)

^f Based on numerical model results for similar water year types. Note the extraction due to native vegetation includes the invasive species Arundo.

^g Based on numerical model results for the baseline simulation, see text in Section 2.4 and GSP (MGBSA, 2021).

**WY 2025
Estimated
Groundwater
Storage
Change
+5,432 AF**

PLAN IMPLEMENTATION: SUSTAINABLE MGMT. CRITERIA

- Groundwater levels:
 - All measurable objectives (MOs) met
- Groundwater Storage
 - 3,068 AF of extractions vs. MO = 7,400 AF
- Groundwater quality
 - All but one MO met, but MT not exceeded (TDS in Mugu Aquifer – one well)
- Seawater Intrusion & Land Subsidence
 - See slides to follow

PLAN IMPLEMENTATION: SUSTAINABLE MGMT. CRITERIA

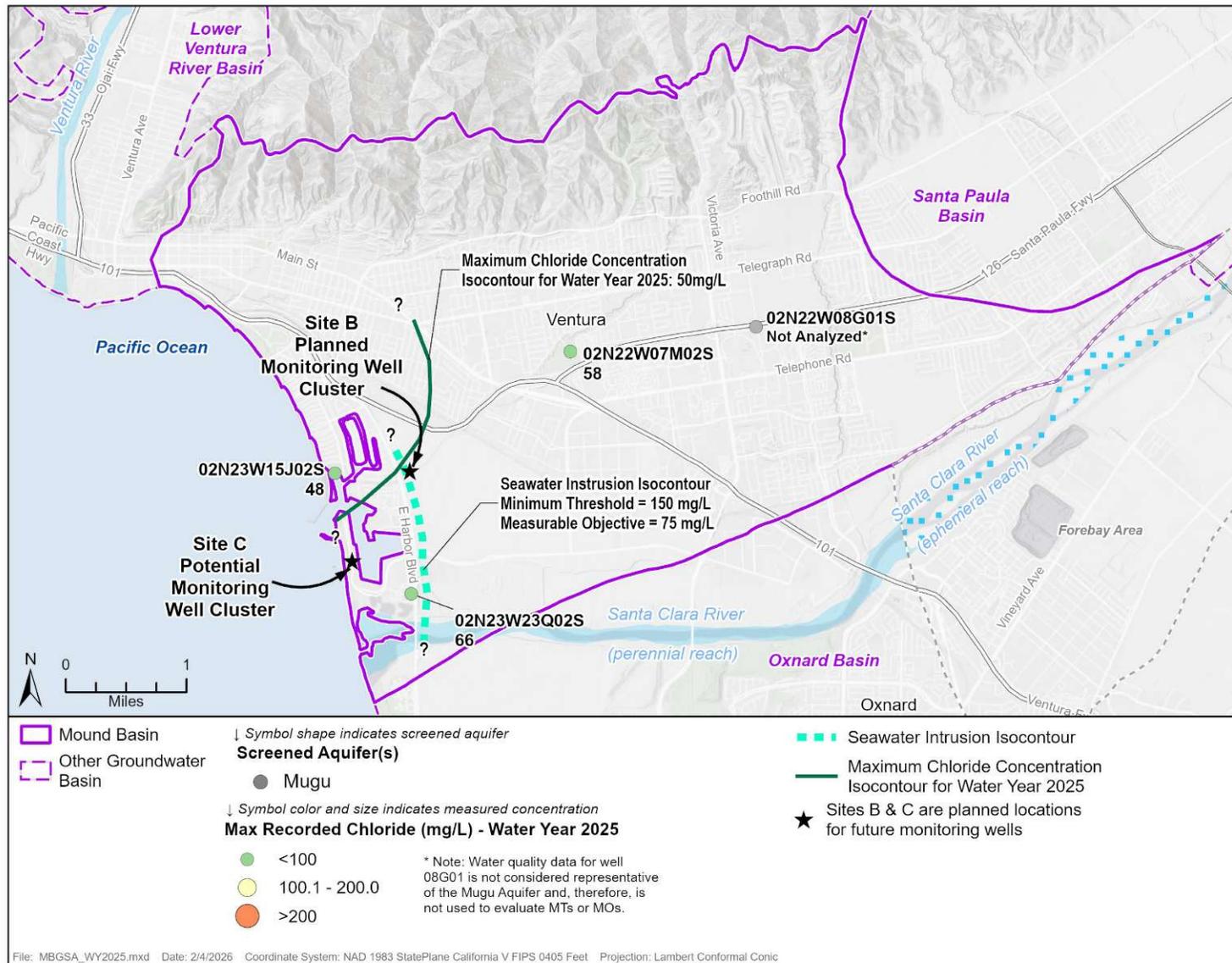


Figure 3.1

Map Showing Seawater Intrusion Minimum Threshold and Measurable Objective, Mugu Aquifer

PLAN IMPLEMENTATION: SUSTAINABLE MGMT. CRITERIA

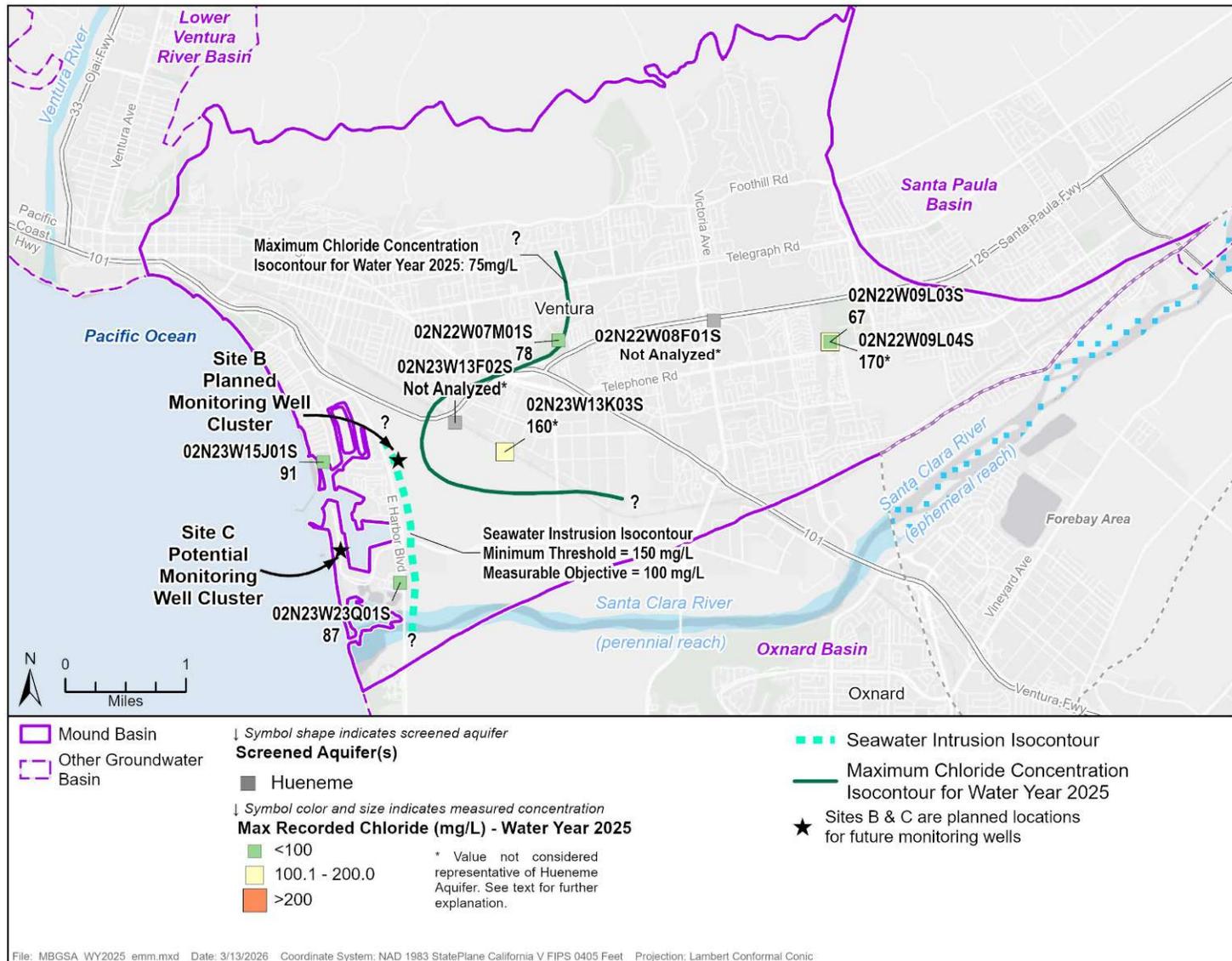


Figure 3.2

Map Showing Seawater Intrusion Minimum Threshold and Measurable Objective, Hueneme Aquifer

PLAN IMPLEMENTATION: PROJECTS / MANAGEMENT ACTIONS

- New Seawater Monitoring Wells
- Shallow GW Level Monitoring
- Seawater Contingency Plan
- Land Subsidence Contingency Plan
- Groundwater Quality Protection Measures

- MW-A drilled; MW-B in progress
- Ongoing
- Optional actions deferred due to rising GW levels & decreased pumping



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QUESTIONS?

