

Figures

Figure Acronyms:

AF	acre-foot/acre-feet
amsl or msl	above mean sea level
DWR	Department of Water Resources, State of California
GPS	global positioning system
GSA	Groundwater Sustainability Agency
WL	groundwater level
IM	interim milestone
InSAR	interferometric synthetic aperture radar
LARWQCB	Los Angeles Regional Water Quality Control Board
MCL	maximum contaminant level
mg/L	milligrams per liter
MO	measurable objective
MT	minimum threshold
ND	not detected
UWCD	United Water Conservation District
VCWPD	Ventura County Watershed Protection District
WLE	water level elevation
WQO	water quality objective
WY	water year

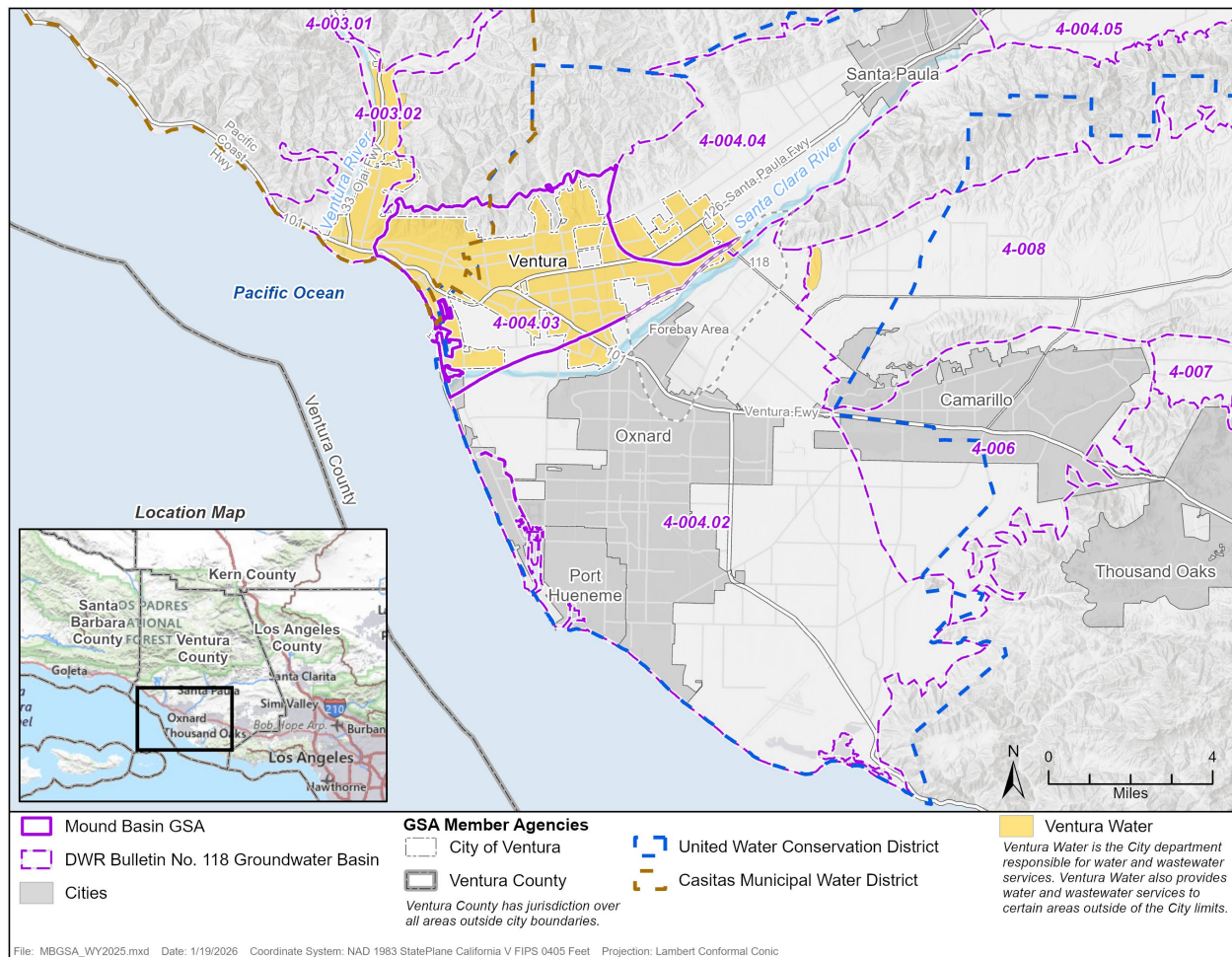


Figure 1.1 Mound Basin Groundwater Sustainability Agency Boundary Map

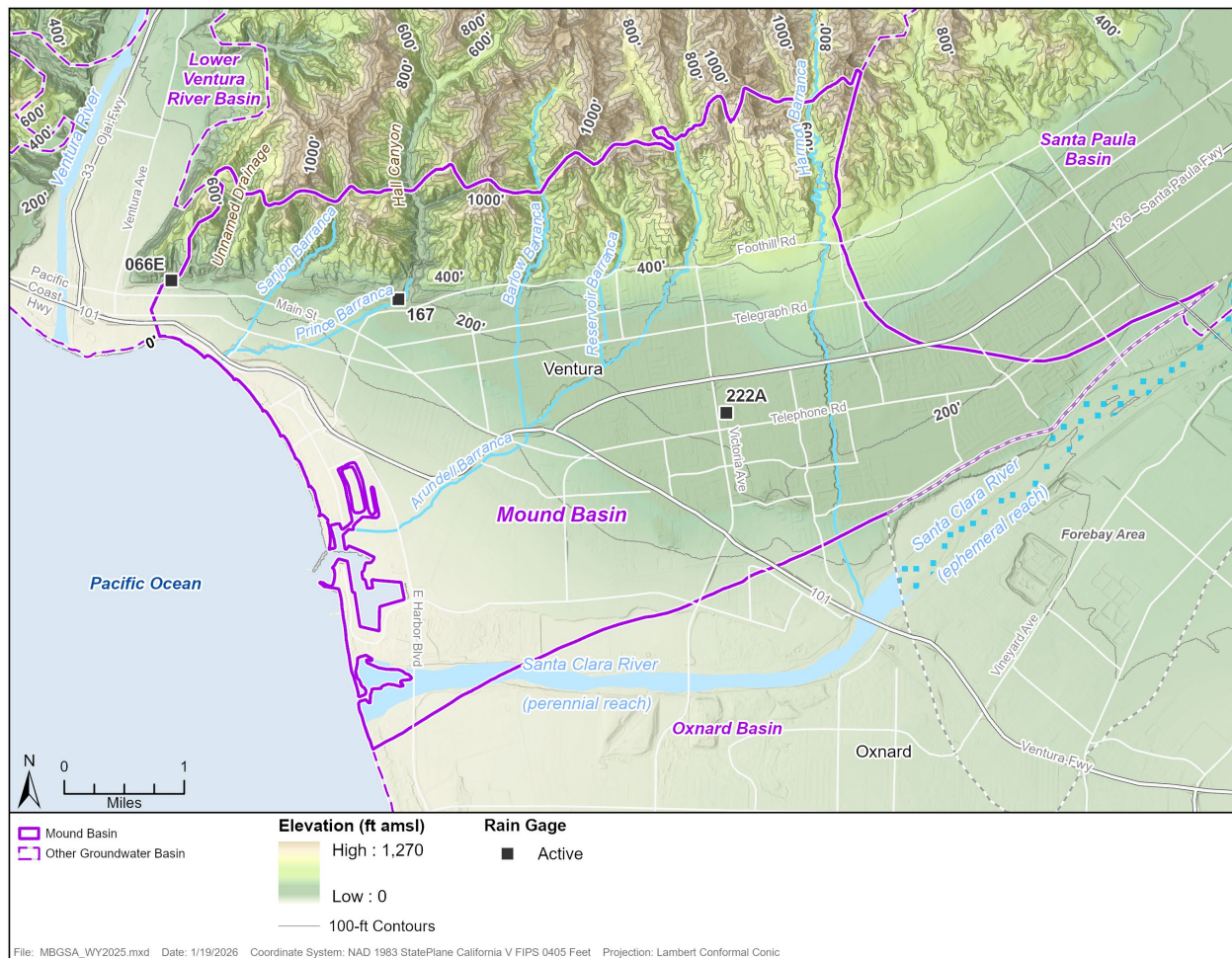


Figure 3.1 Topographic Map with Precipitation Gage Stations in Mound Basin

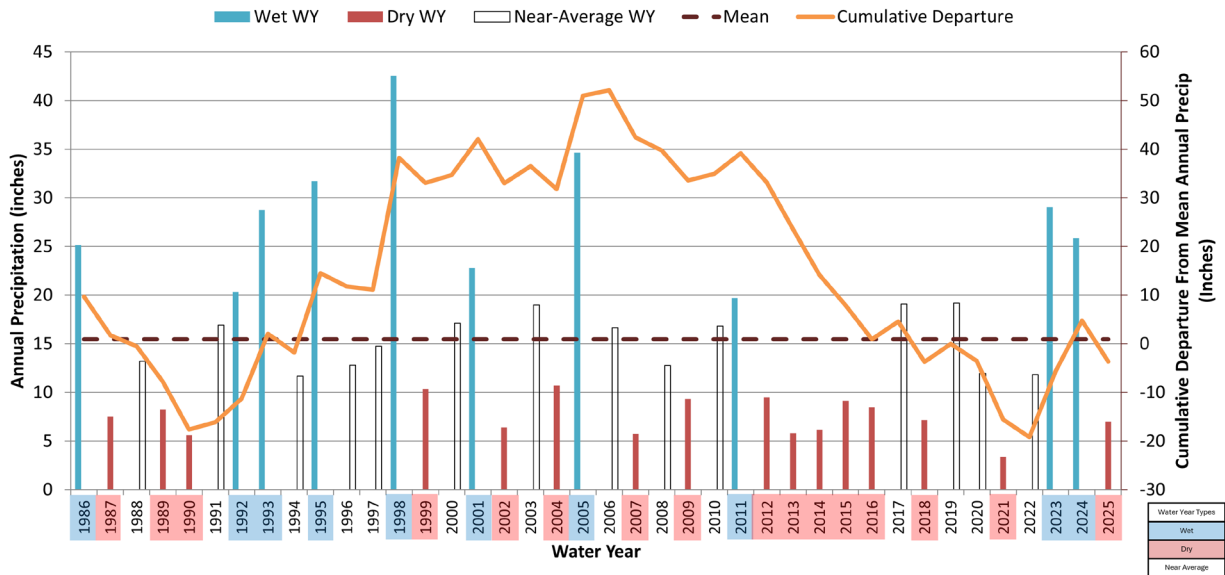


Figure 3.2 Annual Precipitation and Cumulative Departure from the Mean, with Water Year Types

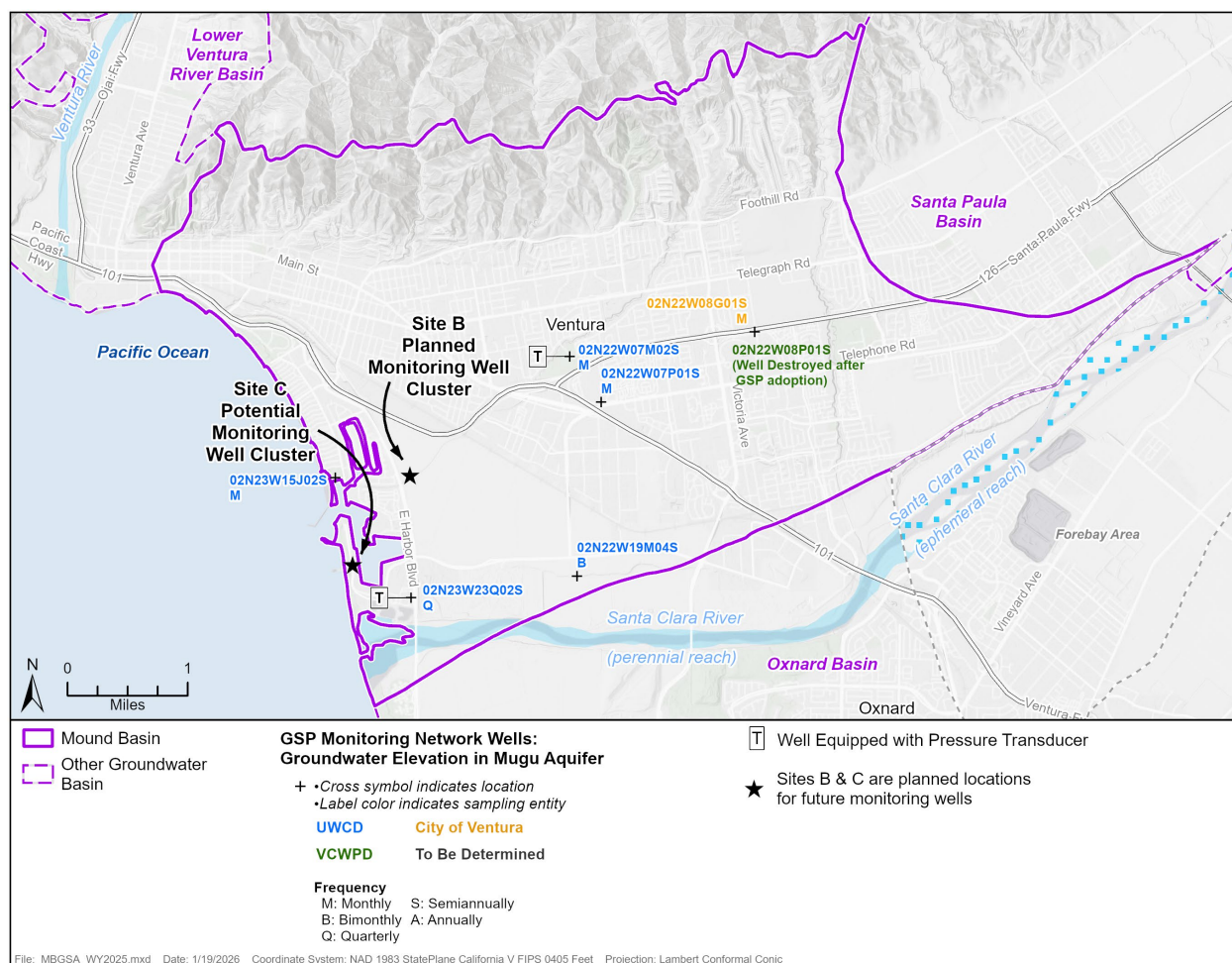


Figure 3.3 Groundwater Elevation Monitoring Network in the Mugu Aquifer of Mound Basin

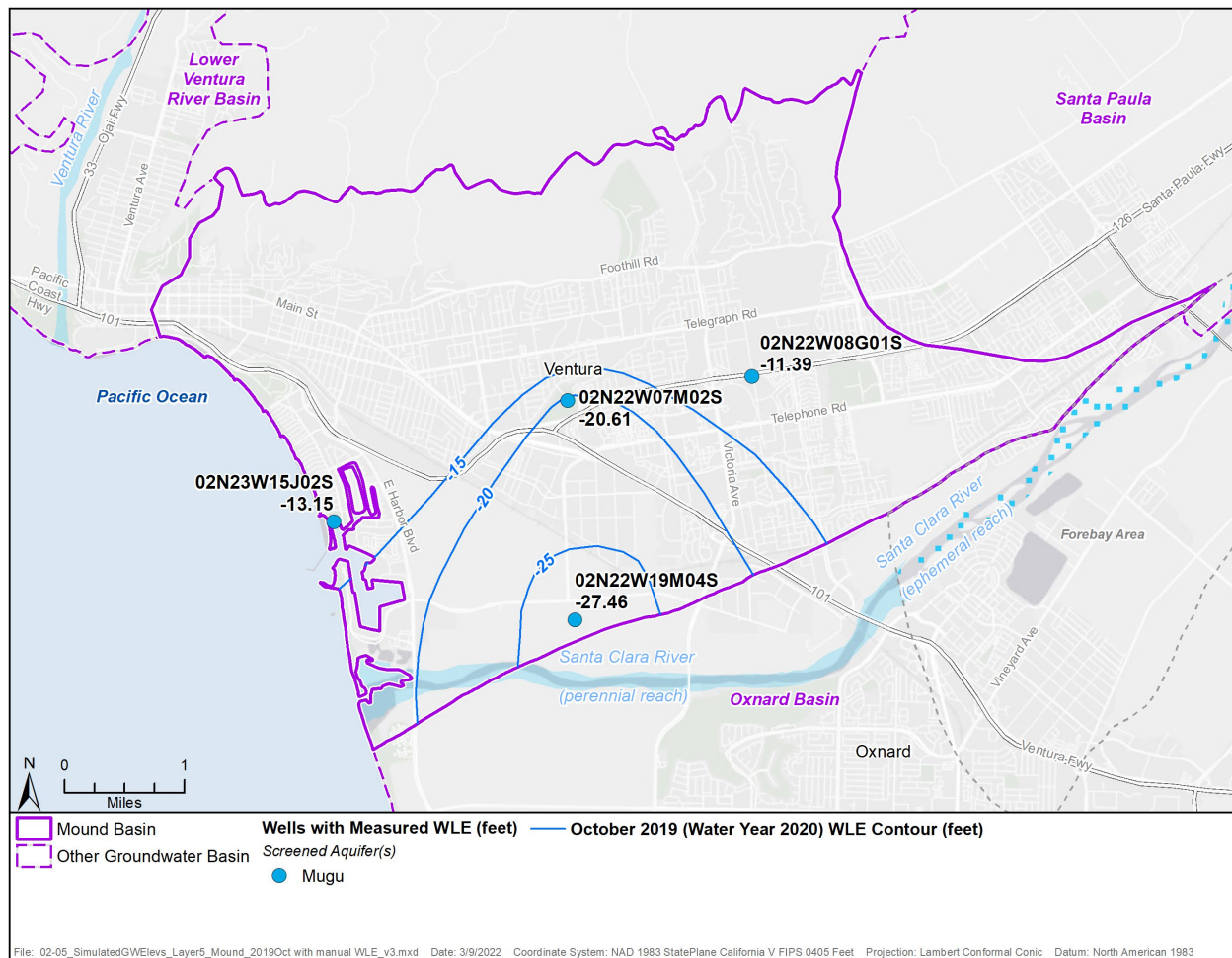


Figure 3.4 Groundwater Elevations in Mugu Aquifer, October 2019 (Fall-Low Water Year 2020)

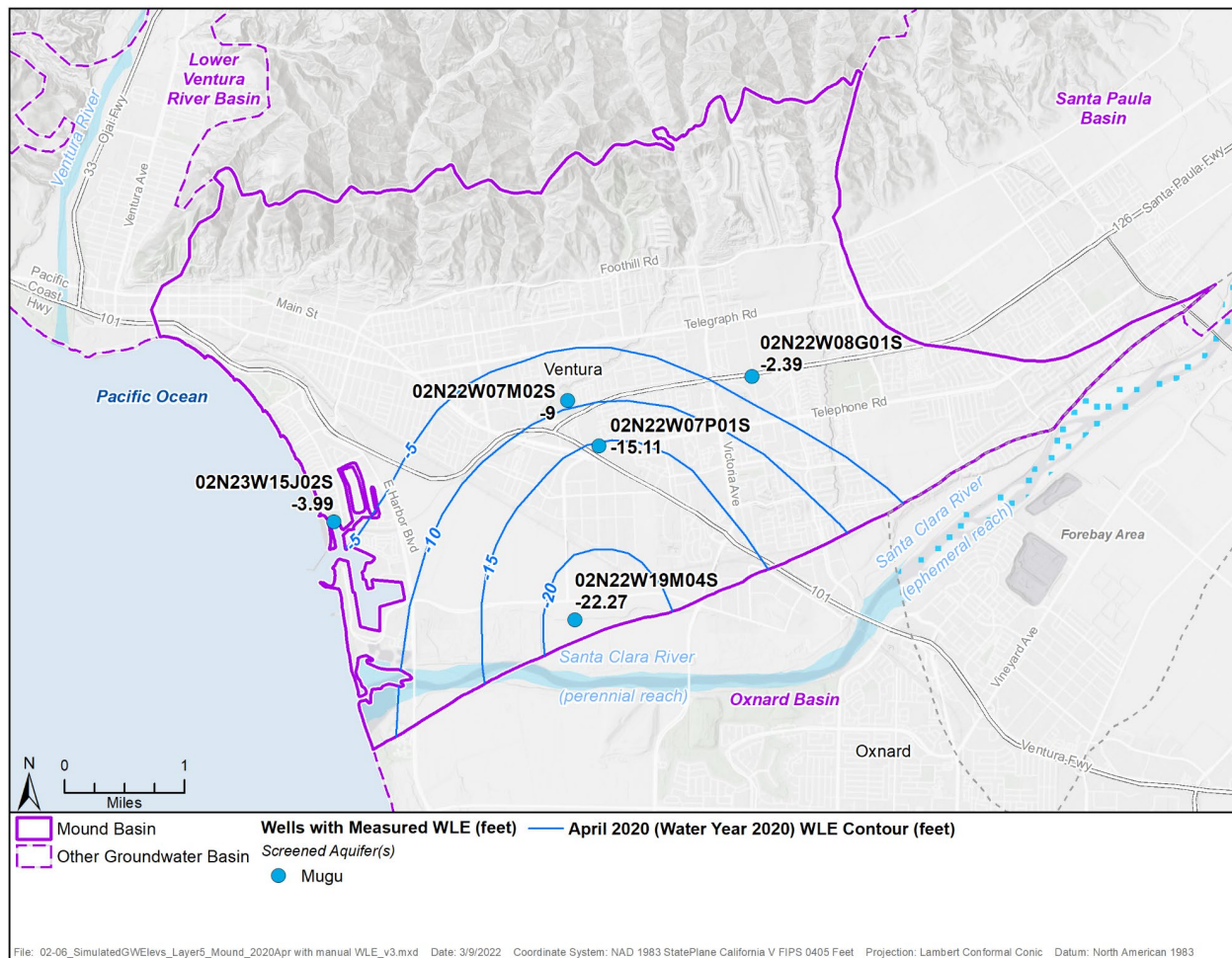


Figure 3.5 Groundwater Elevations in Mugu Aquifer, April 2020 (Spring-High Water Year 2020)

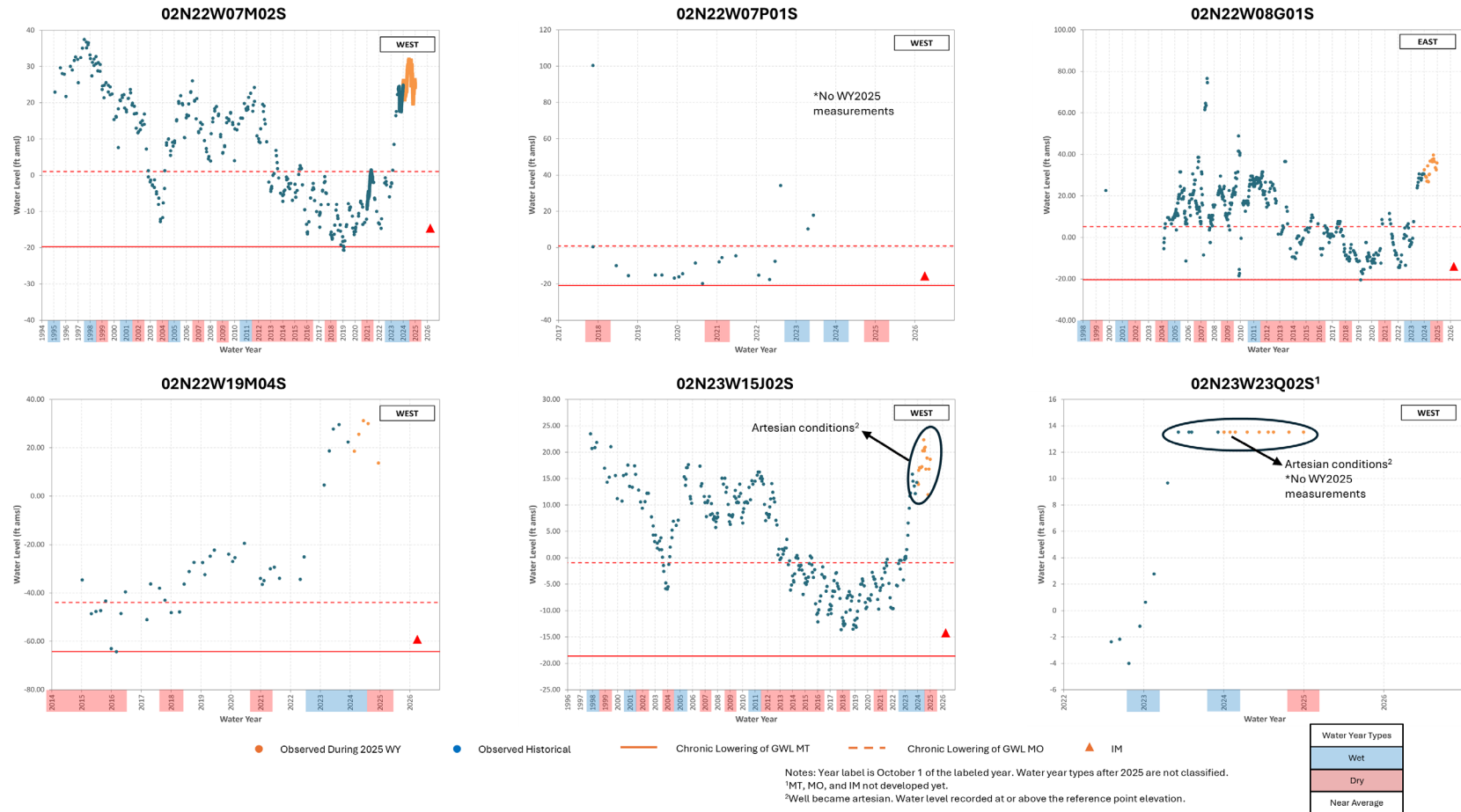


Figure 3.6 Hydrographs for the Monitoring Network in the Mugu Aquifer of Mound Basin

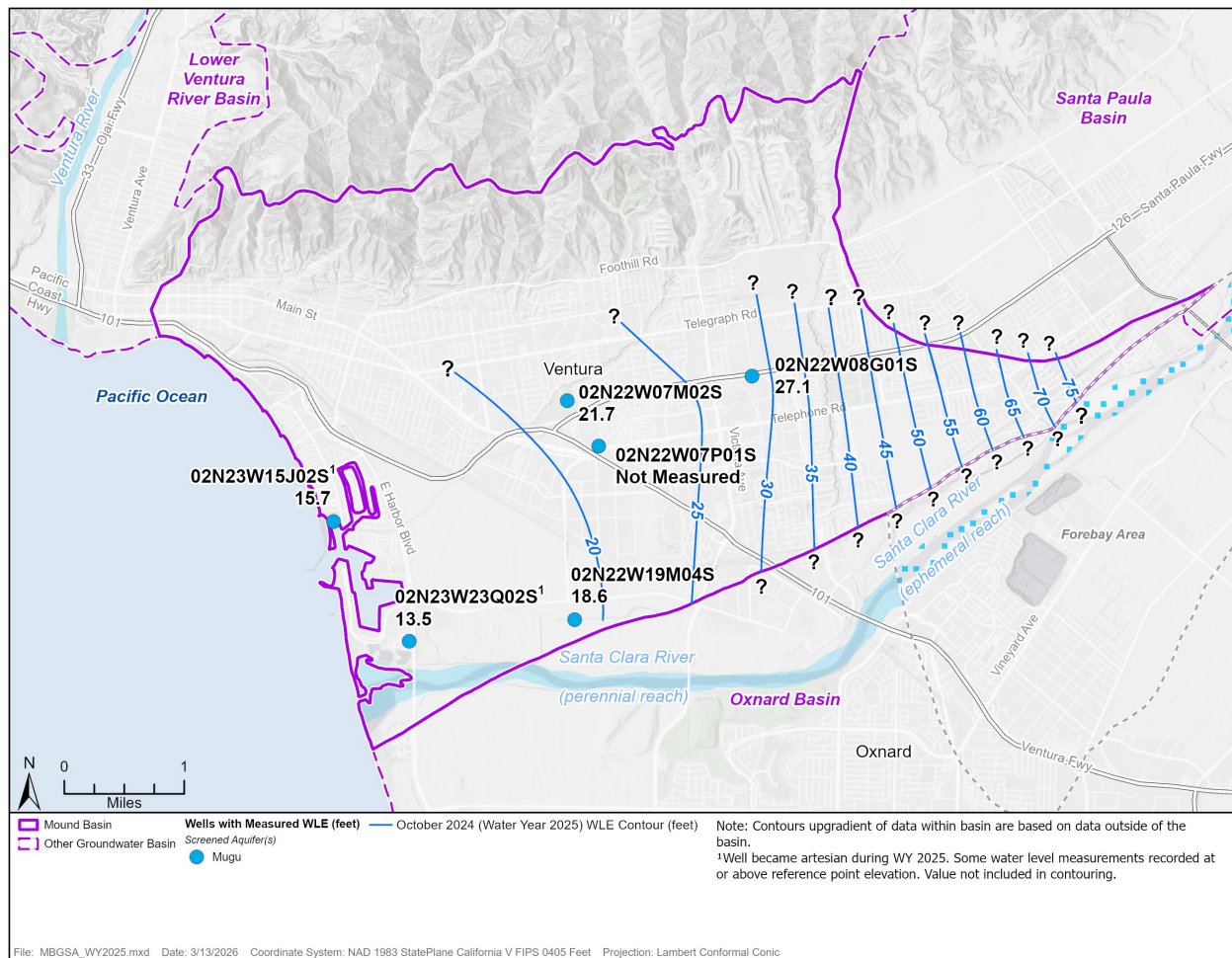


Figure 3.7 Groundwater Elevations in Mugu Aquifer, October 2024 (Fall-Low Water Year 2025)

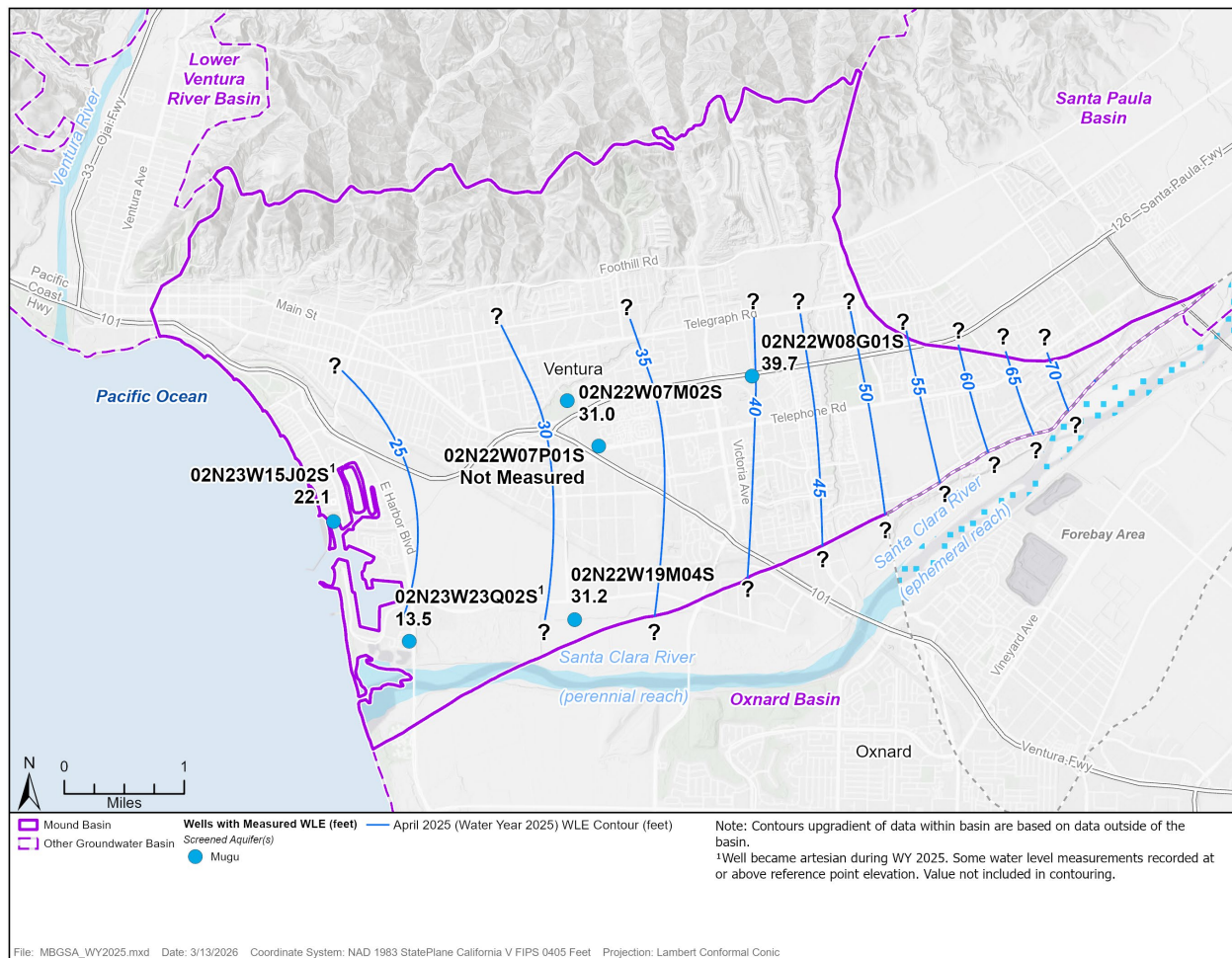


Figure 3.8 Groundwater Elevations in Mugu Aquifer, April 2025 (Spring-High Water Year 2025)

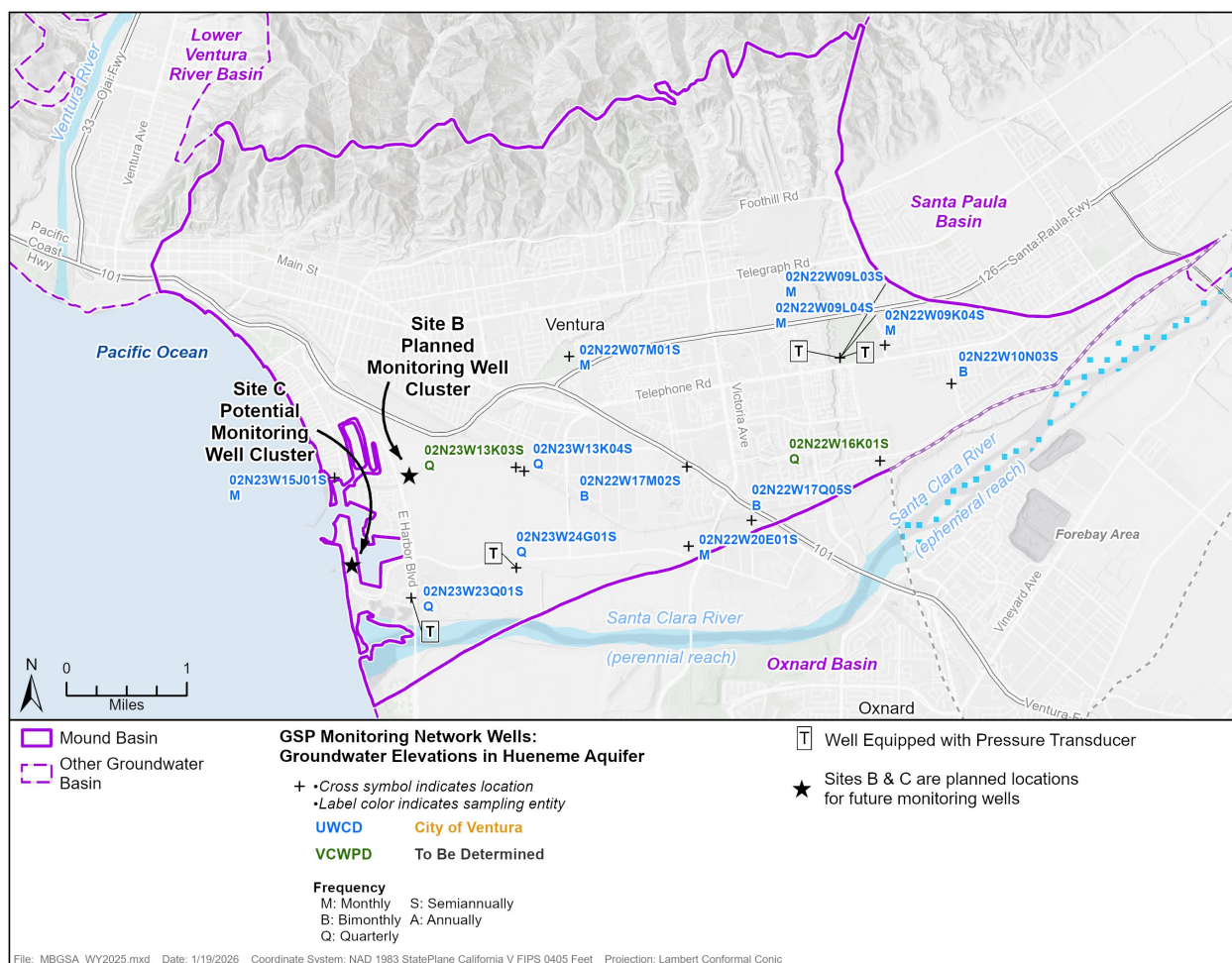


Figure 3.9 Groundwater Elevation Monitoring Network in the Hueneme Aquifer of Mound Basin

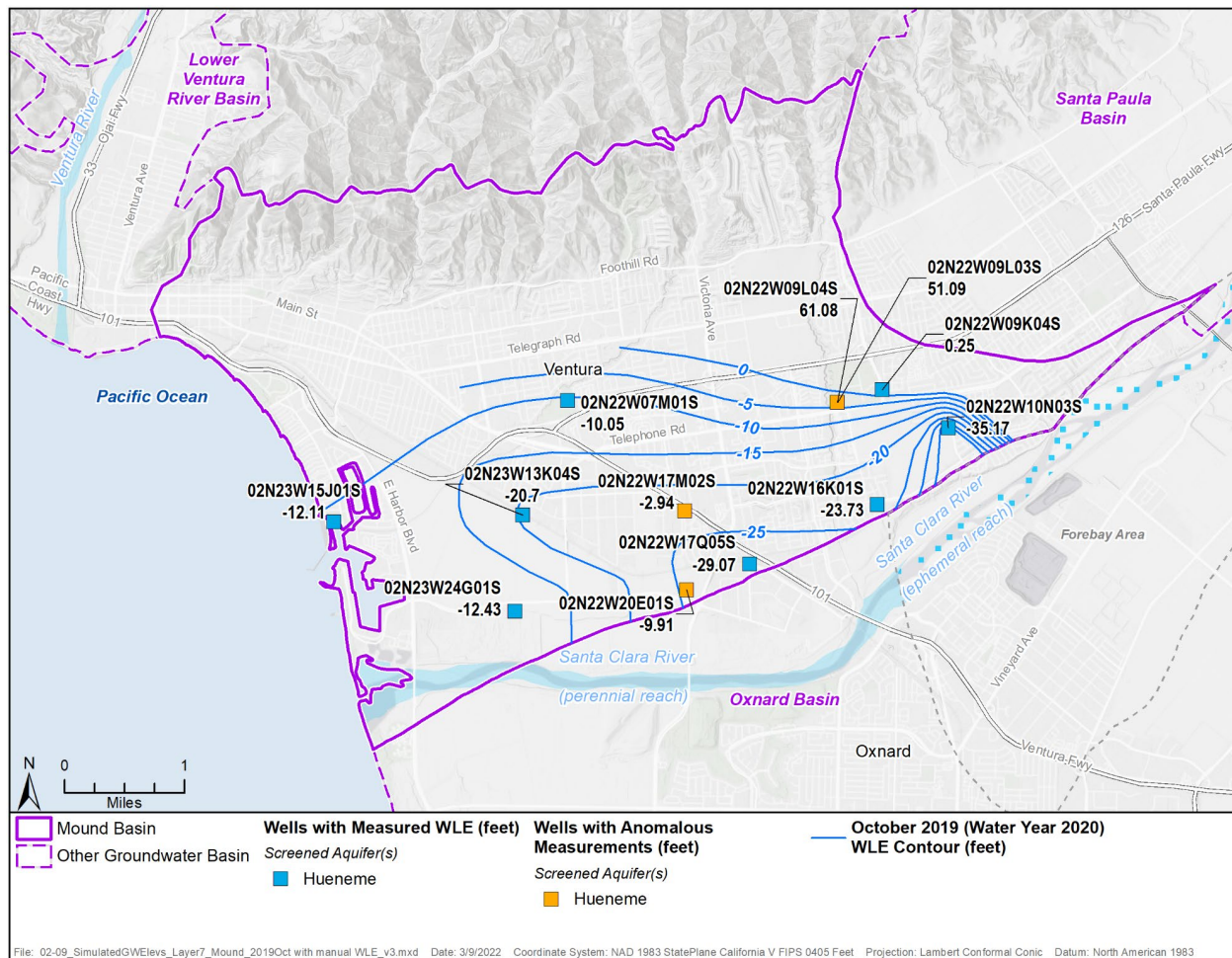


Figure 3.10 Groundwater Elevations in Hueneme Aquifer, October 2019 (Fall-Low Water Year 2020)

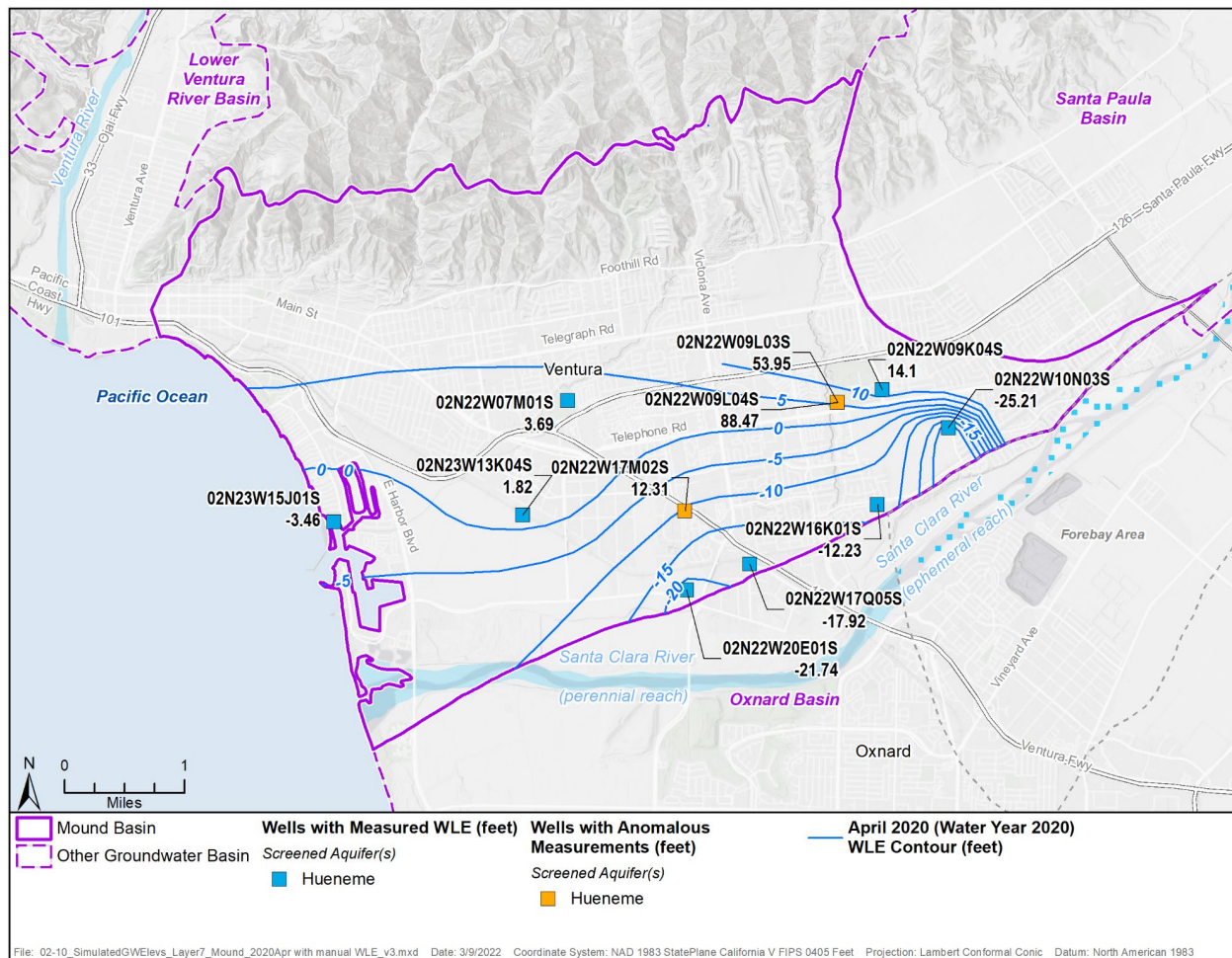


Figure 3.11 Groundwater Elevations in Hueneme Aquifer, April 2020 (Spring-High Water Year 2020)

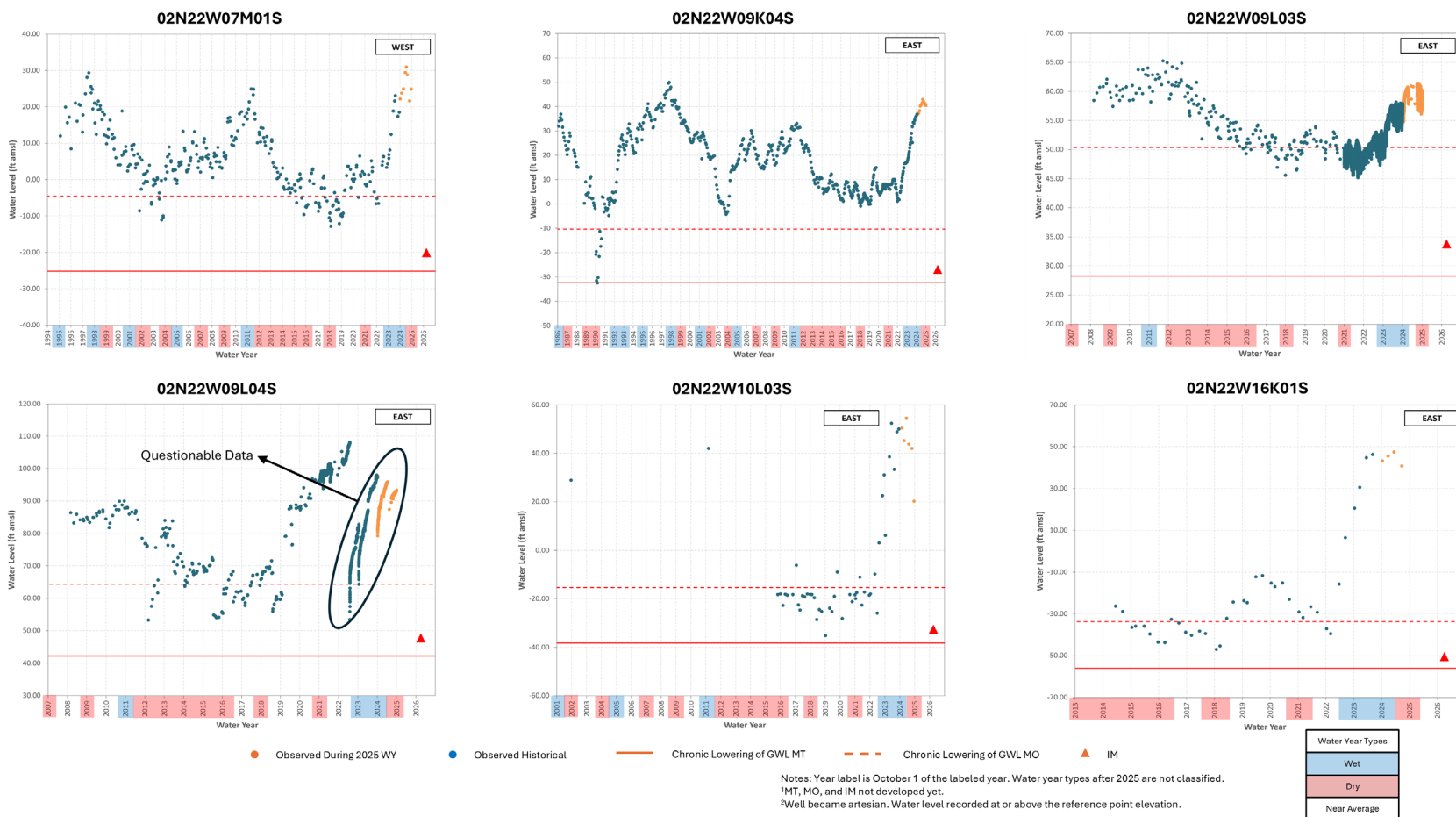


Figure 3.12 Hydrographs for the Monitoring Network in the Hueneme Aquifer of Mound Basin

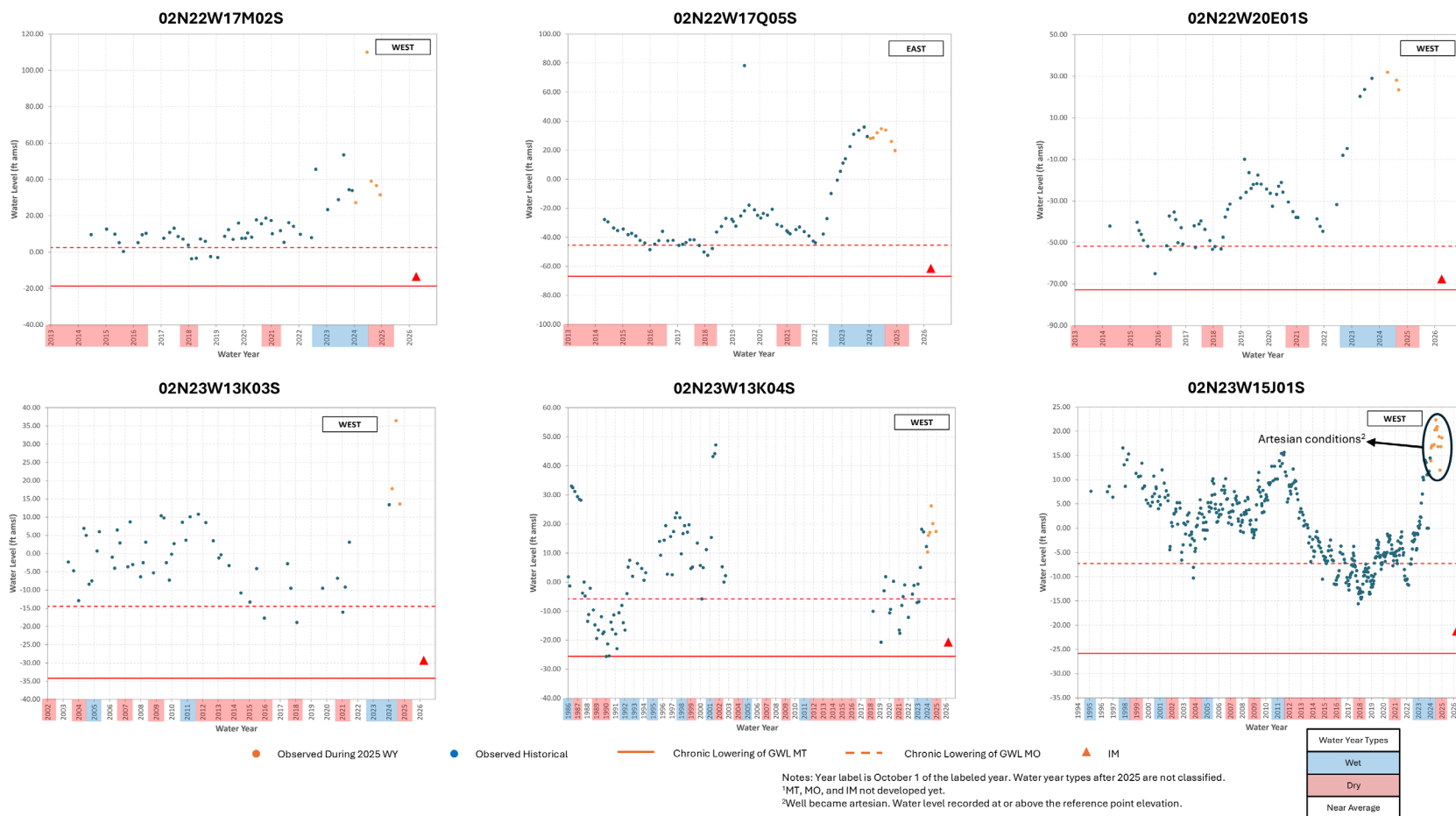


Figure 3.13 Hydrographs for the Monitoring Network in the Hueneme Aquifer of Mound Basin

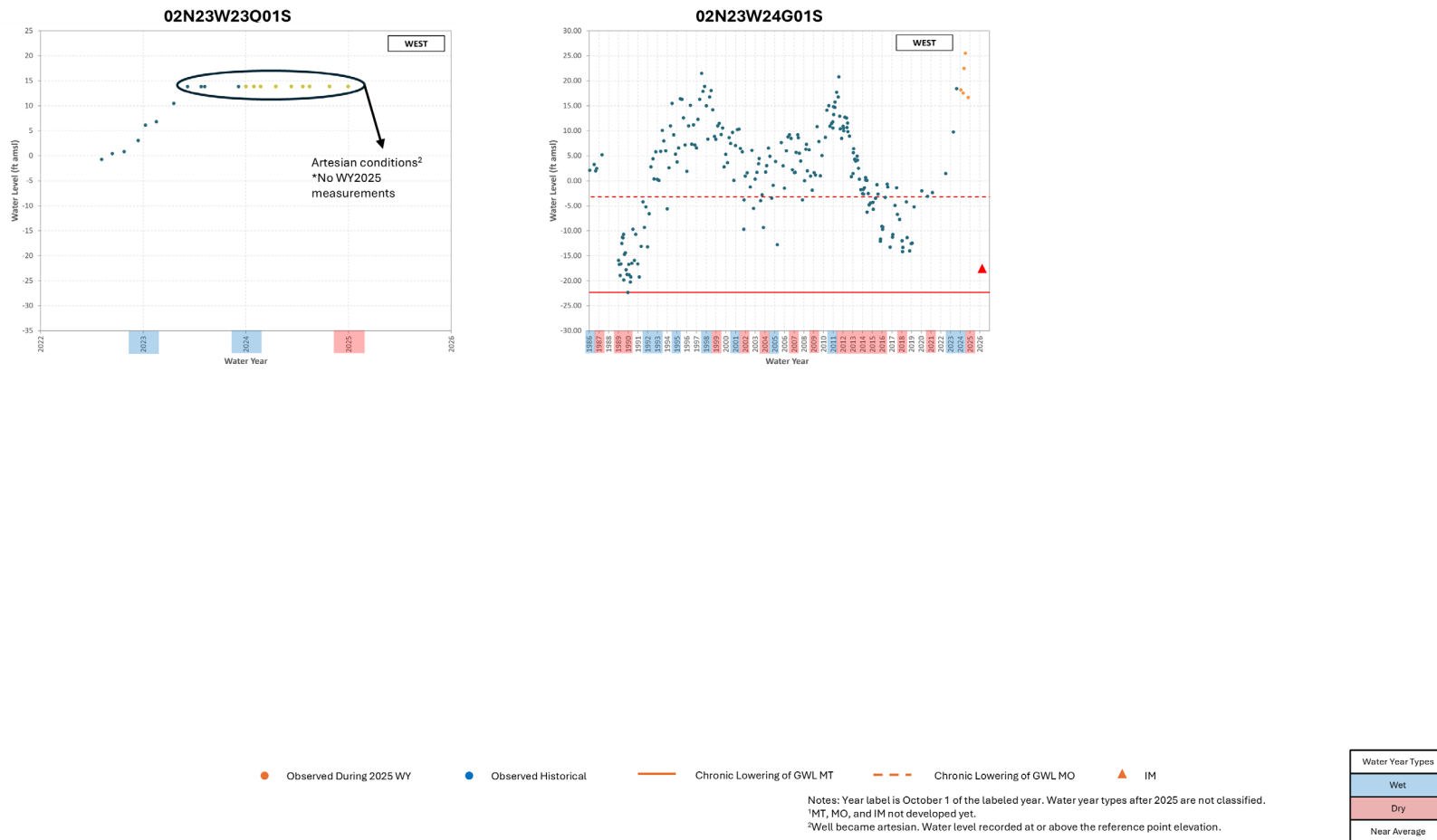


Figure 3.14 Hydrographs for the Monitoring Network in the Hueneme Aquifer of Mound Basin

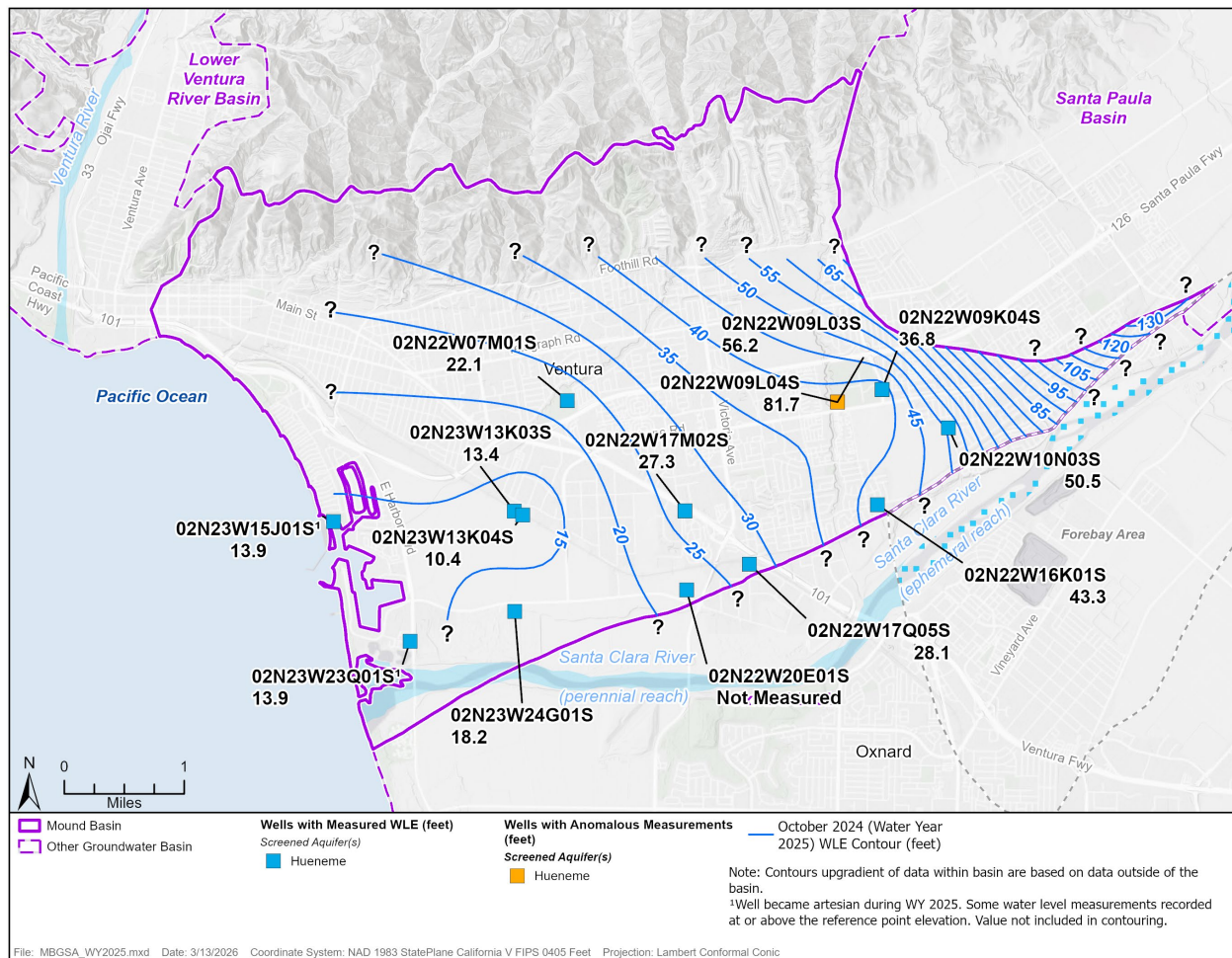


Figure 3.15 Groundwater Elevations in Hueneme Aquifer, October 2024 (Fall-Low Water Year 2025)

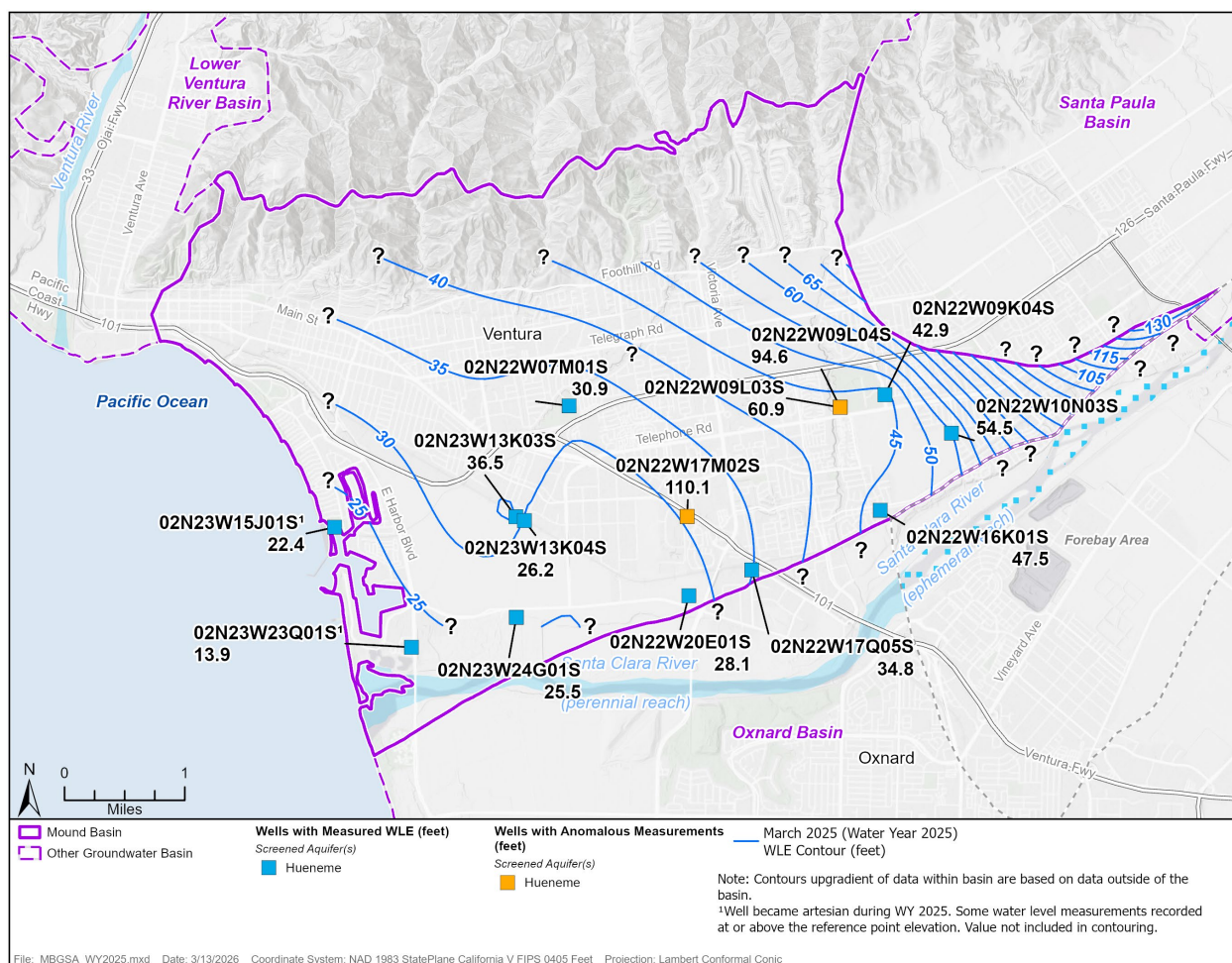


Figure 3.16 Groundwater Elevations in Hueneme Aquifer, April 2025 (Spring-High Water Year 2025)

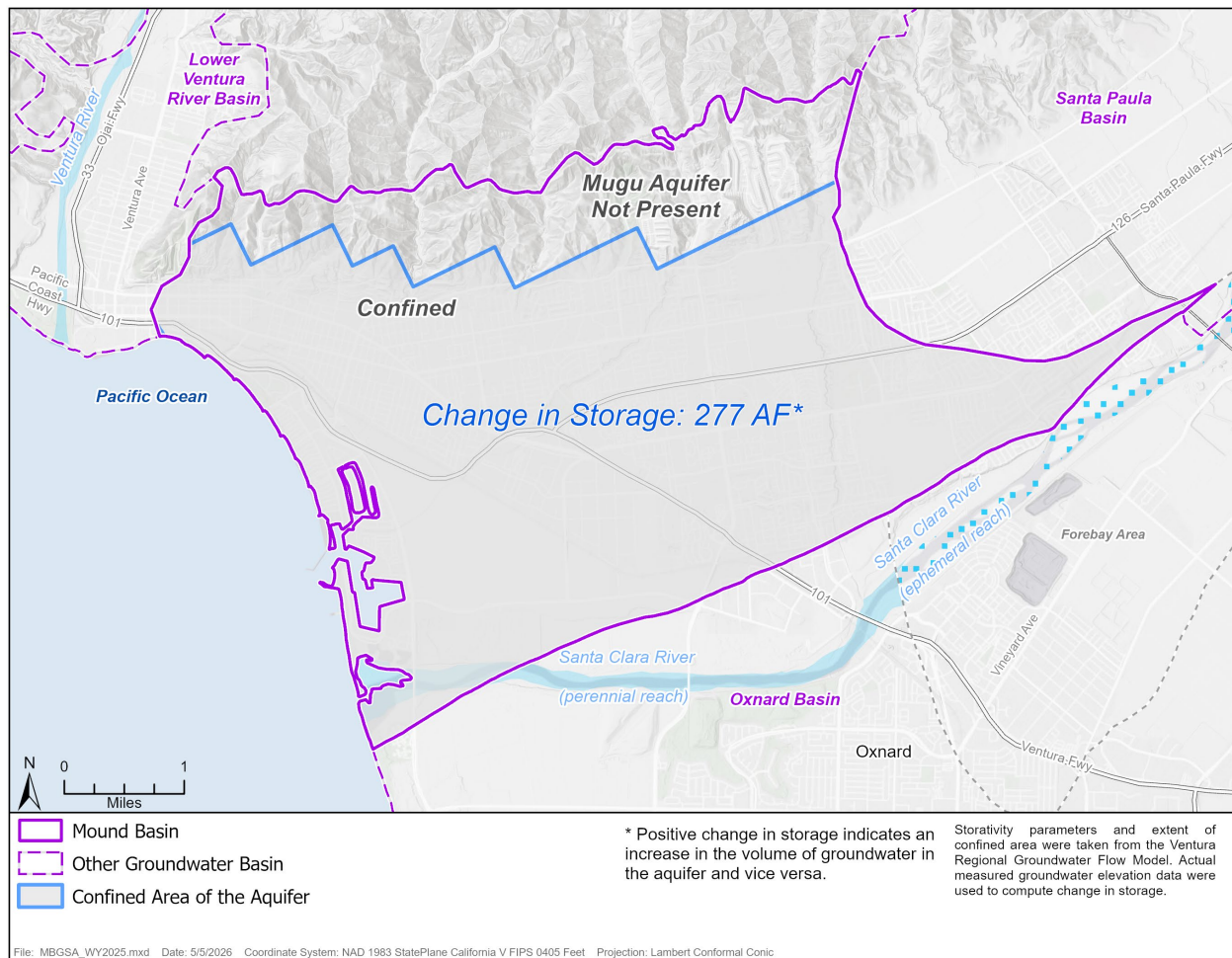


Figure 3.17 Cumulative Change in Groundwater in Storage for Mugu Aquifer, Water Years 2020 - 2025

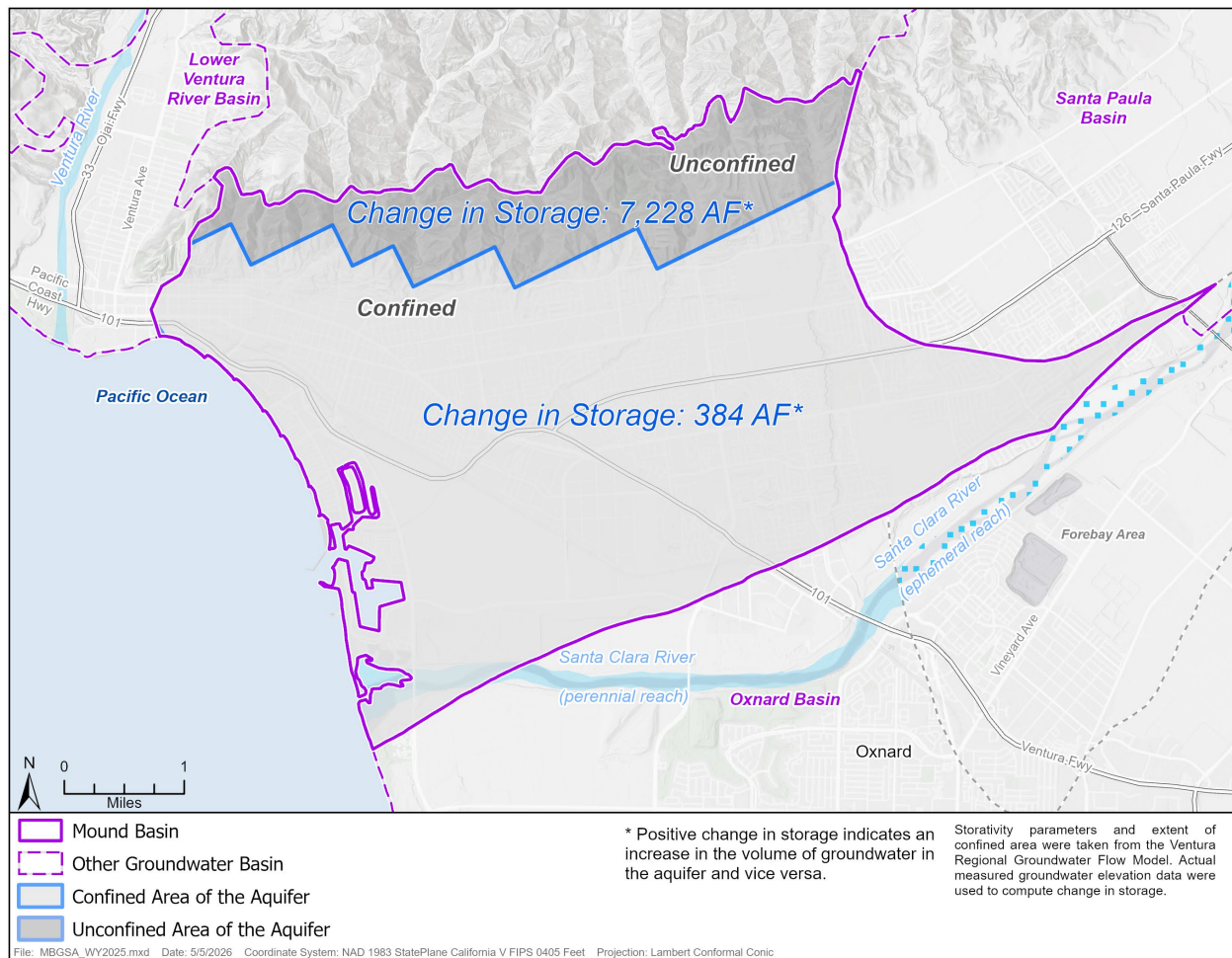


Figure 3.18 Cumulative Change in Groundwater in Storage for Hueneme Aquifer, Water Years 2020 - 2025

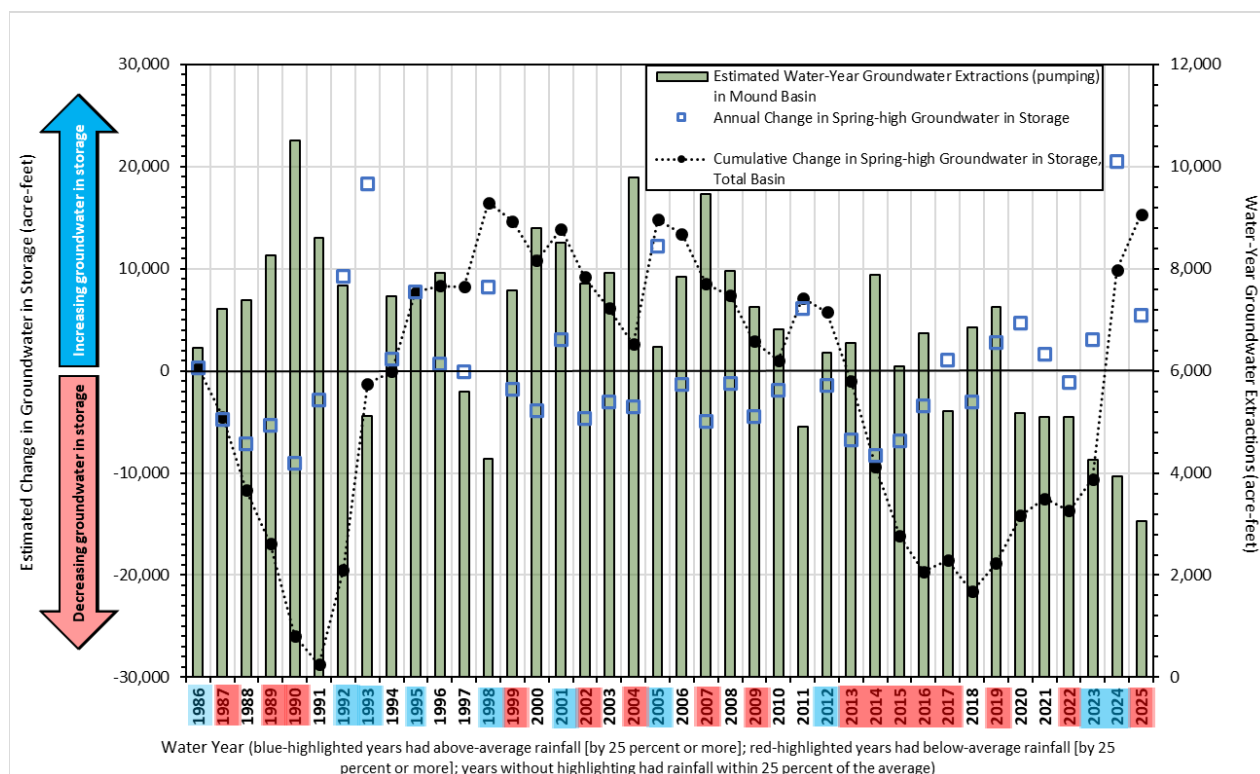


Figure 3.19 Annual Change in Storage and Groundwater Extractions in the Mound Basin, 1986 through 2025

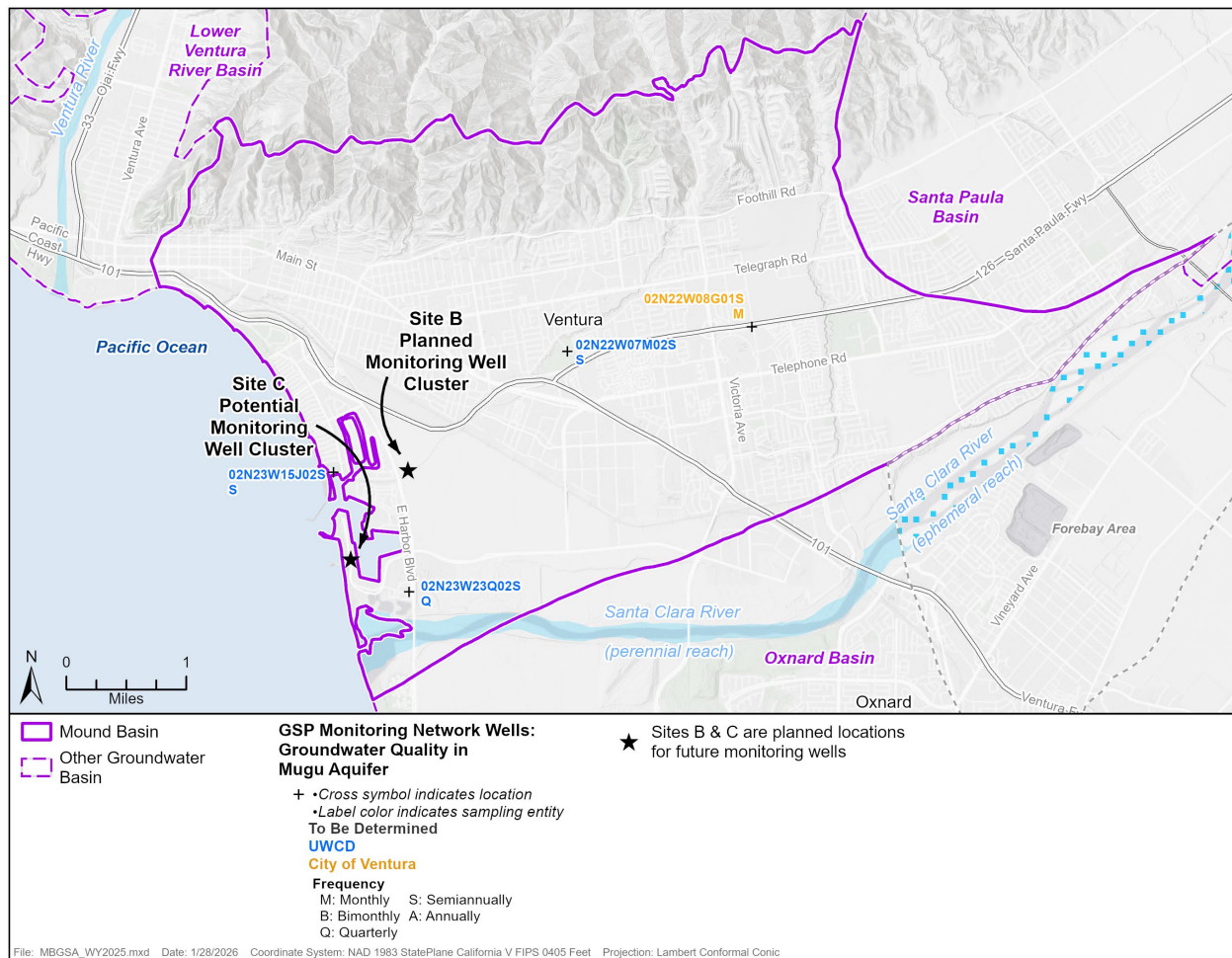


Figure 3.20 Map Showing the Groundwater Quality and Seawater Intrusion Monitoring Networks in the Mugu Aquifer of Mound Basin

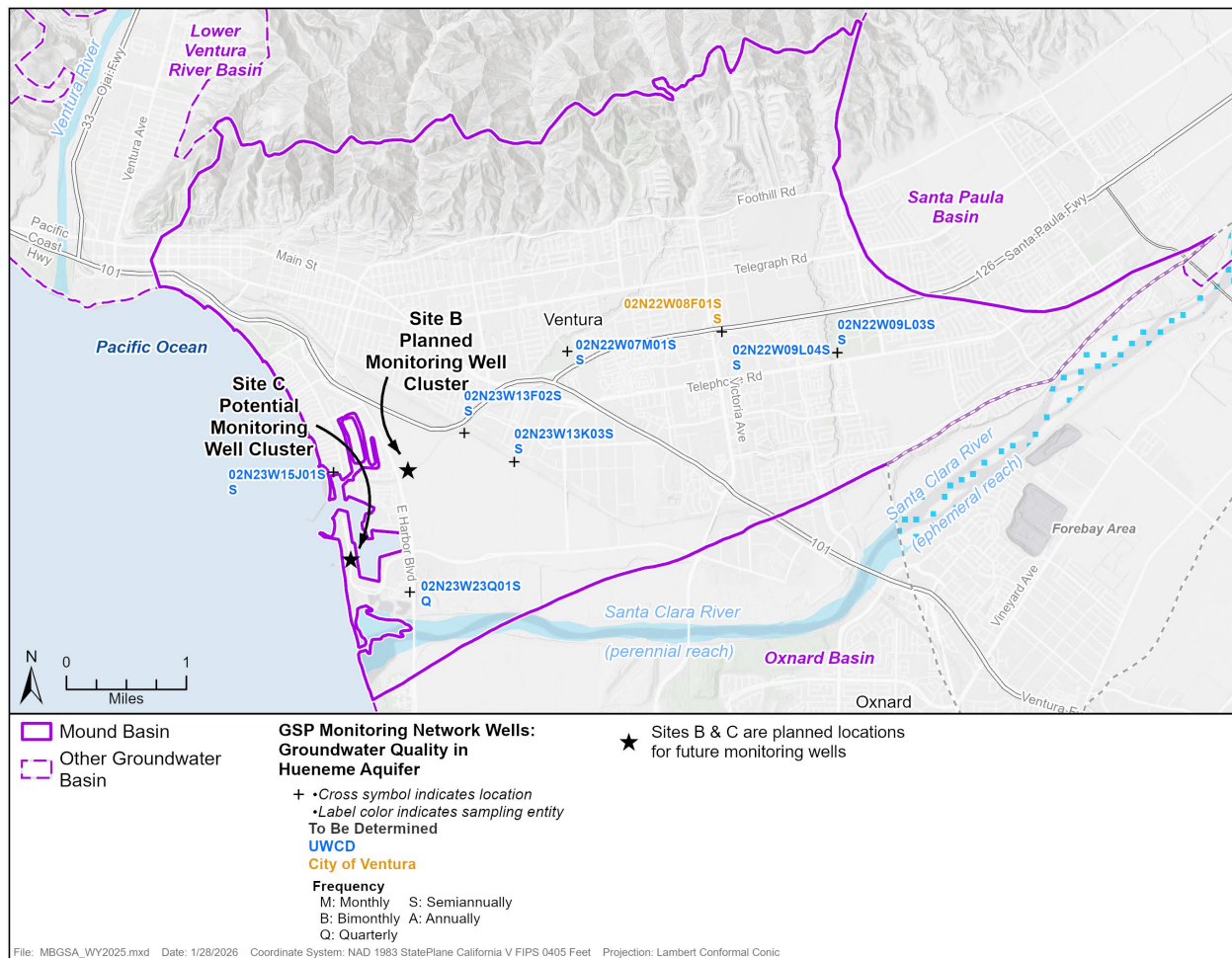


Figure 3.21 Map Showing the Groundwater Quality and Seawater Intrusion Monitoring Networks in the Hueneme Aquifer of Mound Basin

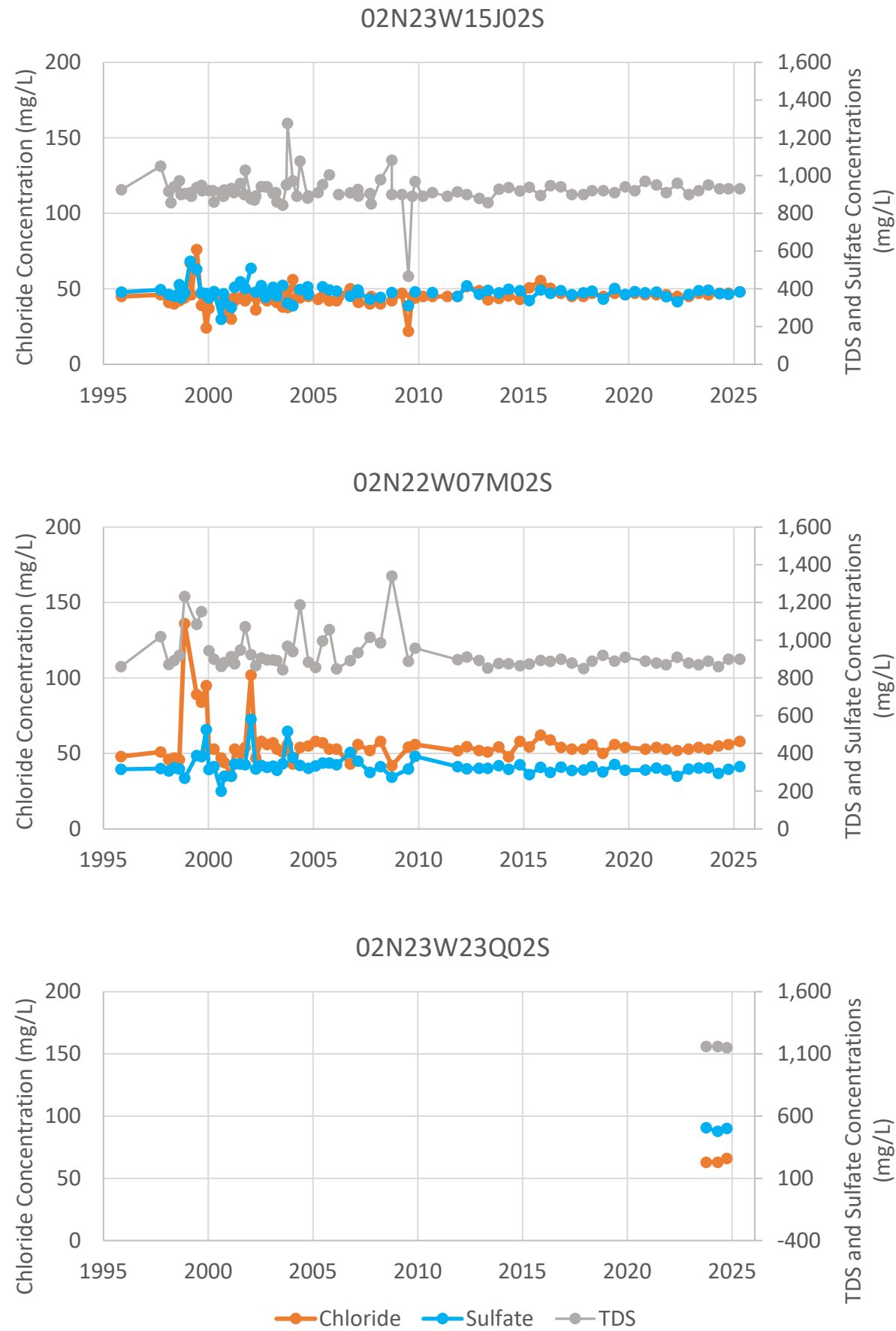


Figure 3.22 Time Series of TDS, Sulfate, and Chloride Concentrations in the Mugu Aquifer

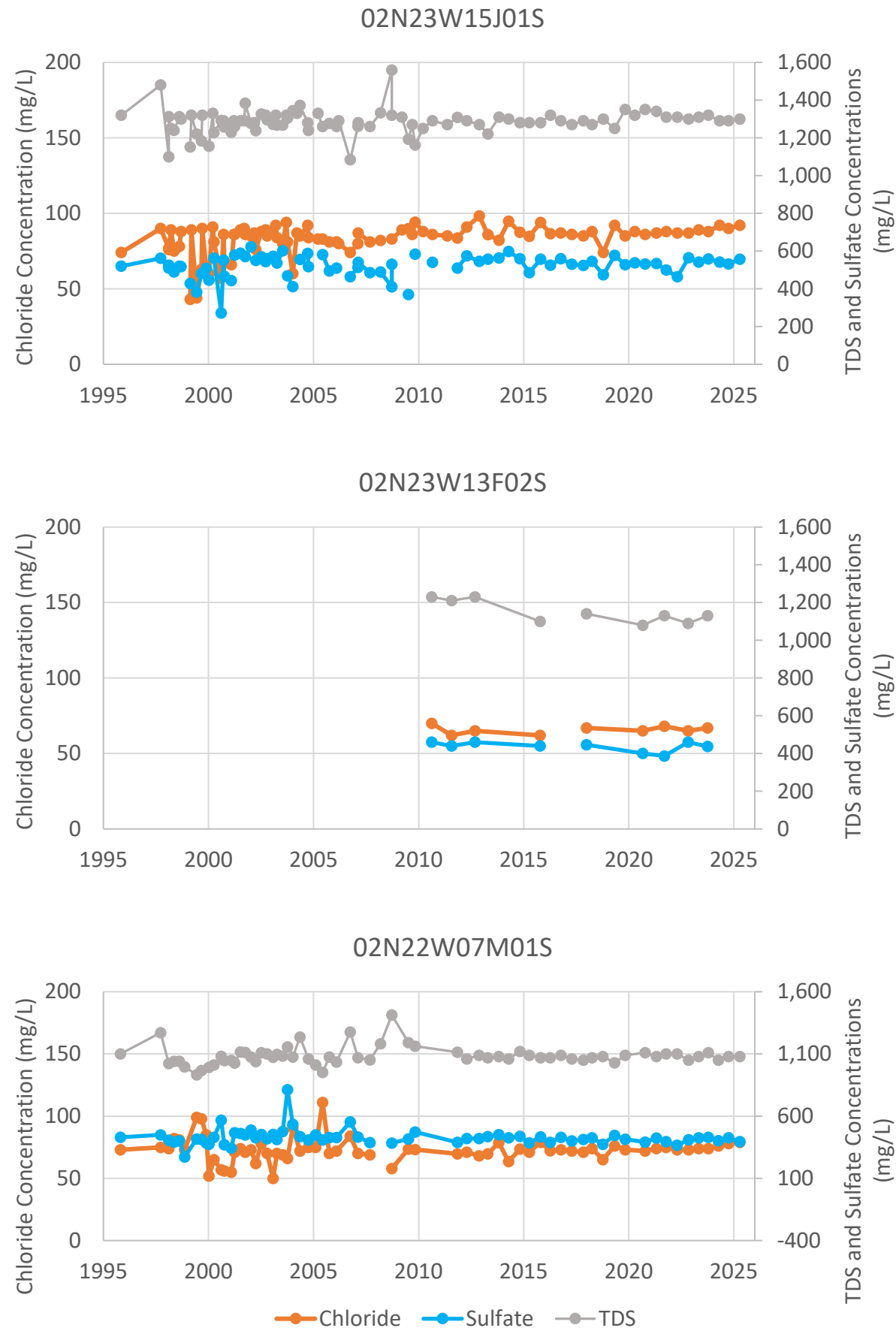


Figure 3.23 Time Series of TDS, Sulfate, and Chloride Concentrations in the Hueneme Aquifer

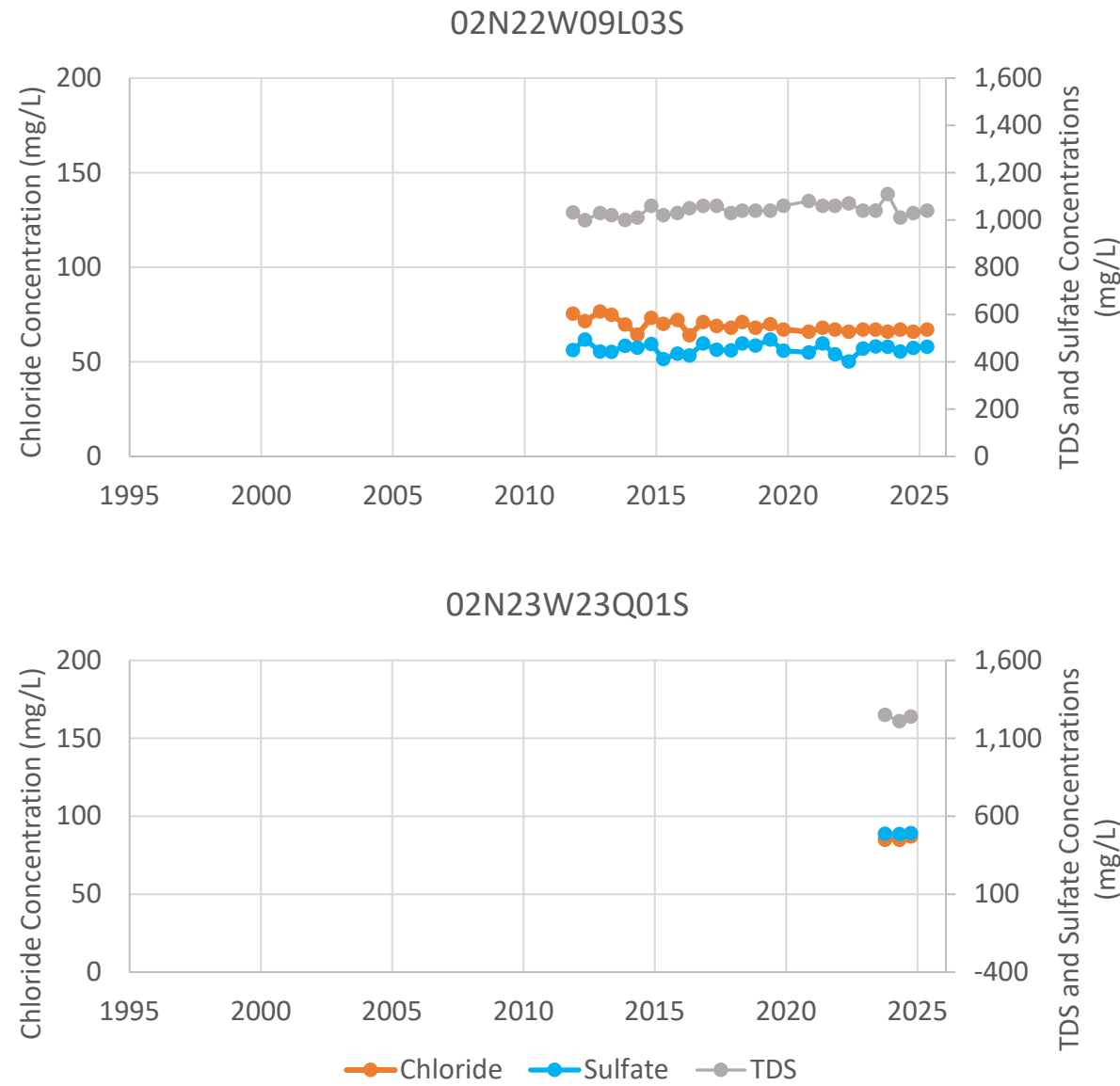


Figure 3.24 Time Series of TDS, Sulfate, and Chloride Concentrations in the Hueneme Aquifer

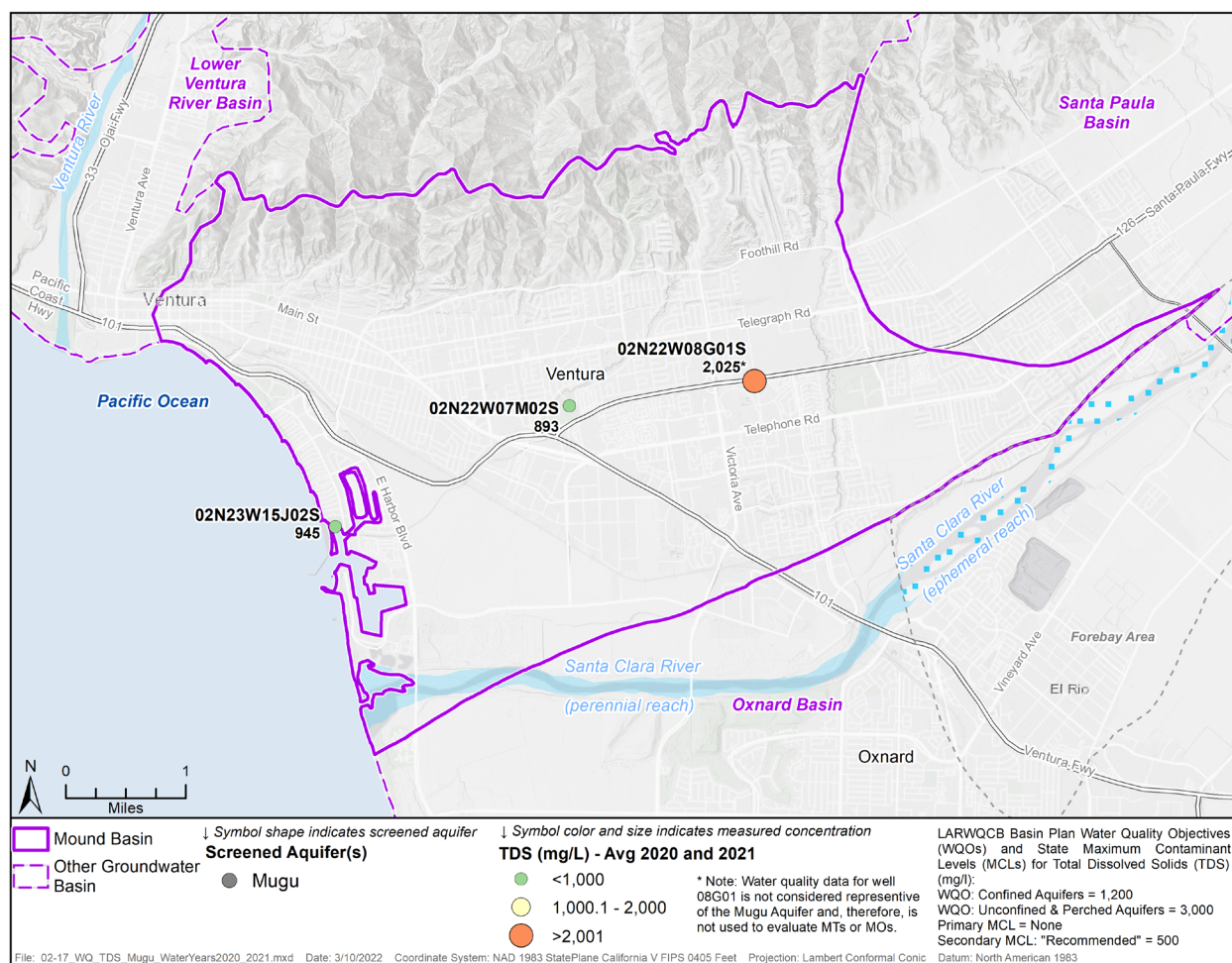


Figure 3.25 Average TDS Concentrations Detected in Mugu Aquifer During Water Year 2020

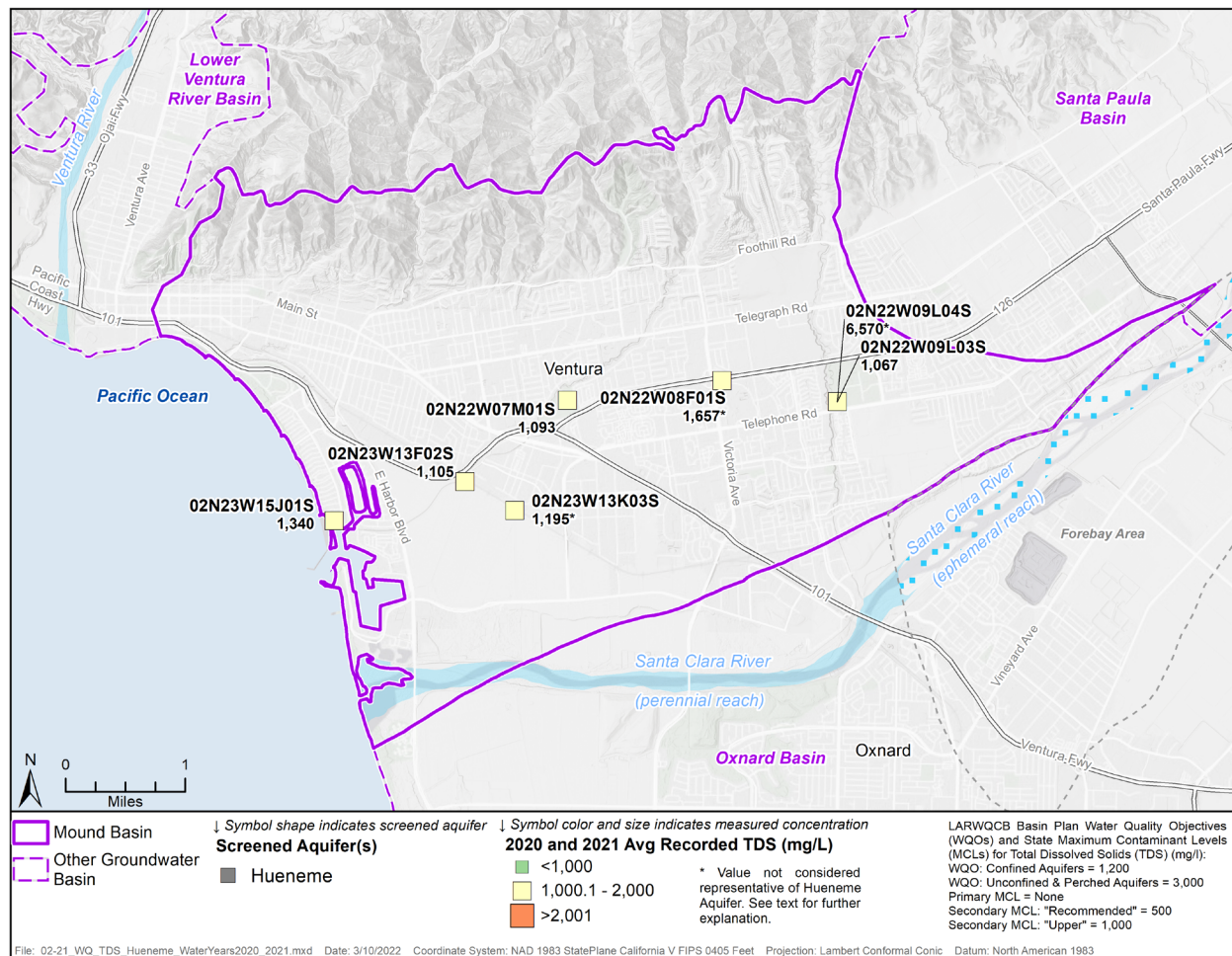


Figure 3.26 Average TDS Concentrations Detected in Hueneme Aquifer During Water Year 2020

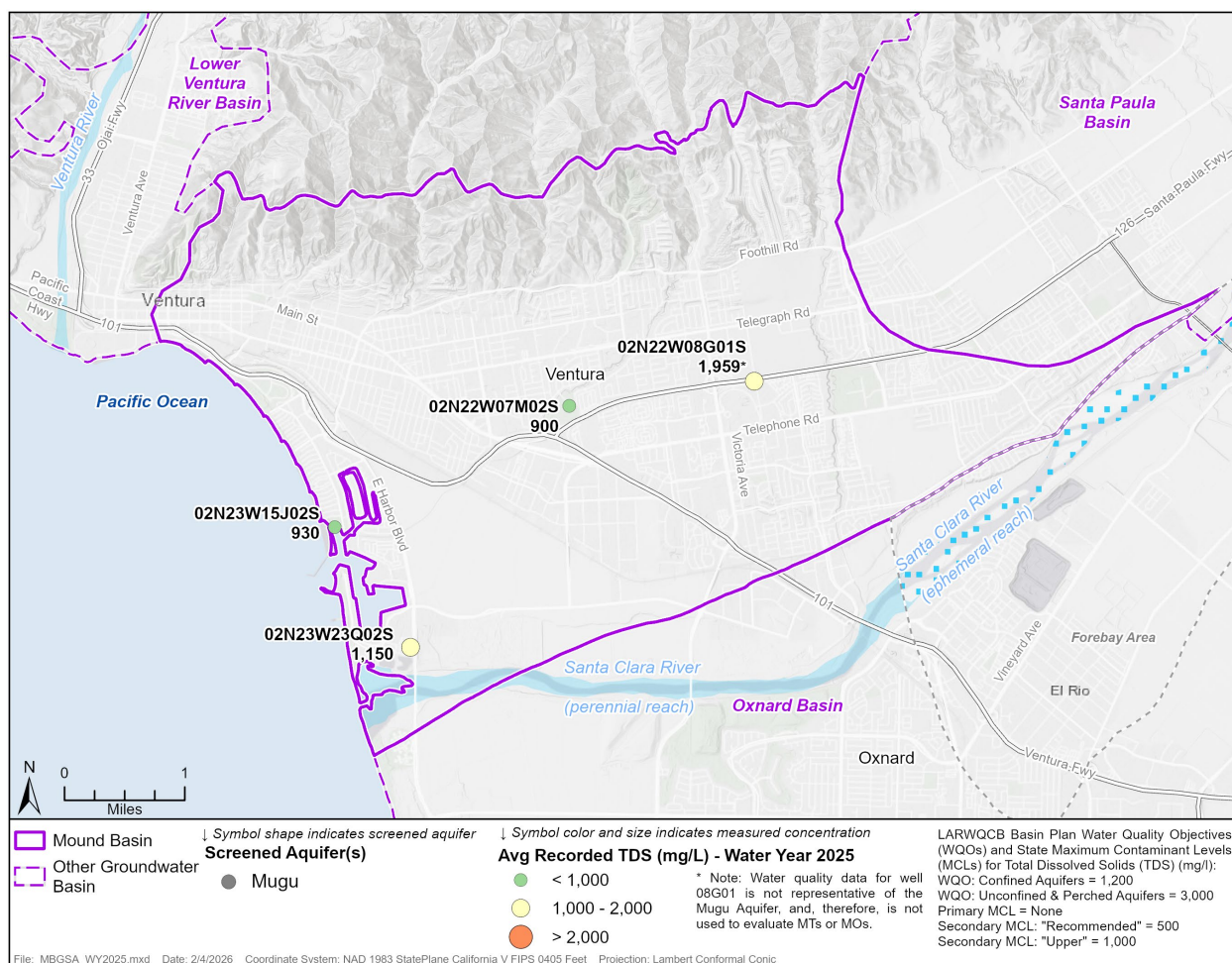


Figure 3.27 Average TDS Concentrations Detected in Mugu Aquifer During Water Year 2025

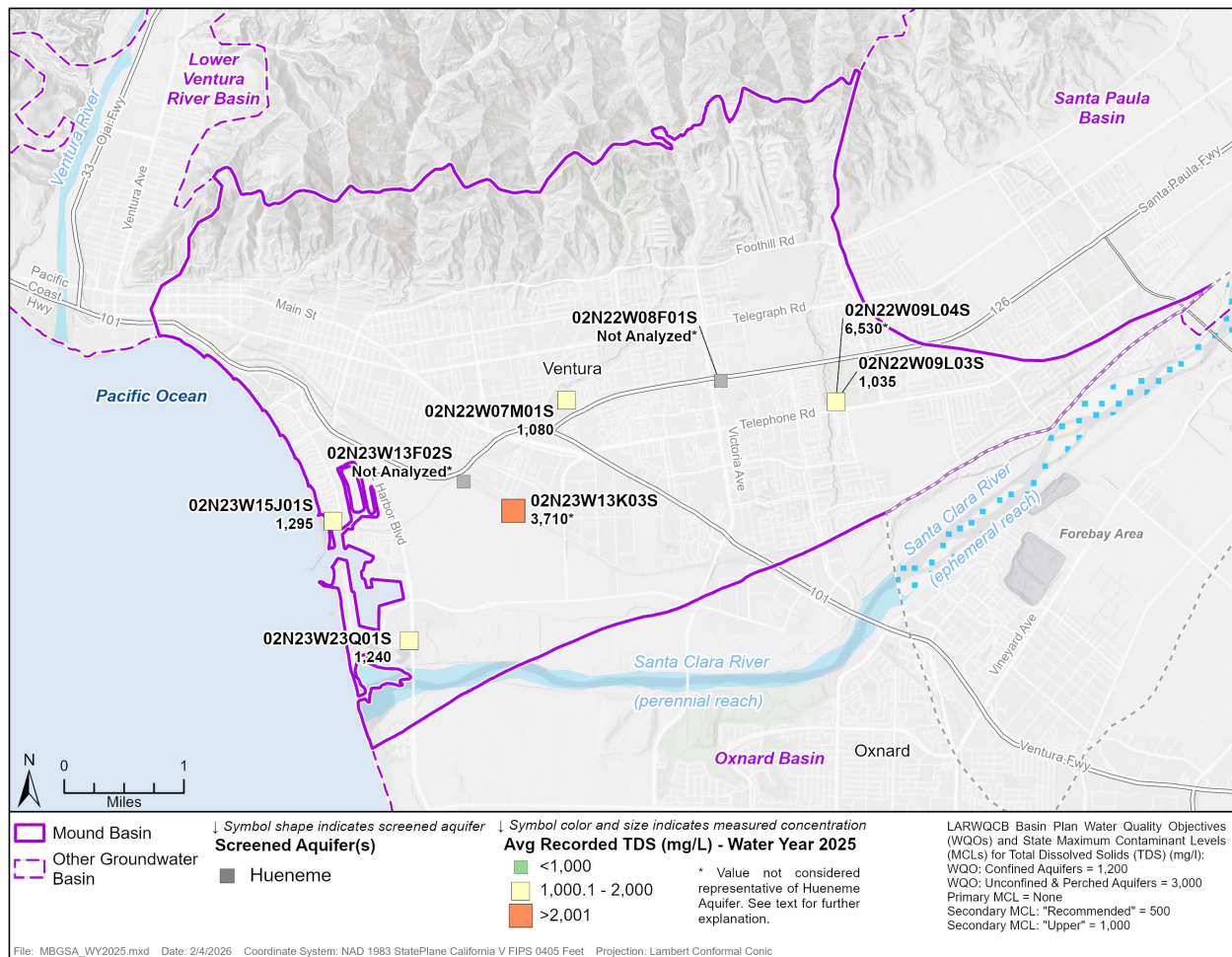


Figure 3.28 Average TDS Concentrations Detected in Hueneme Aquifer During Water Year 2025

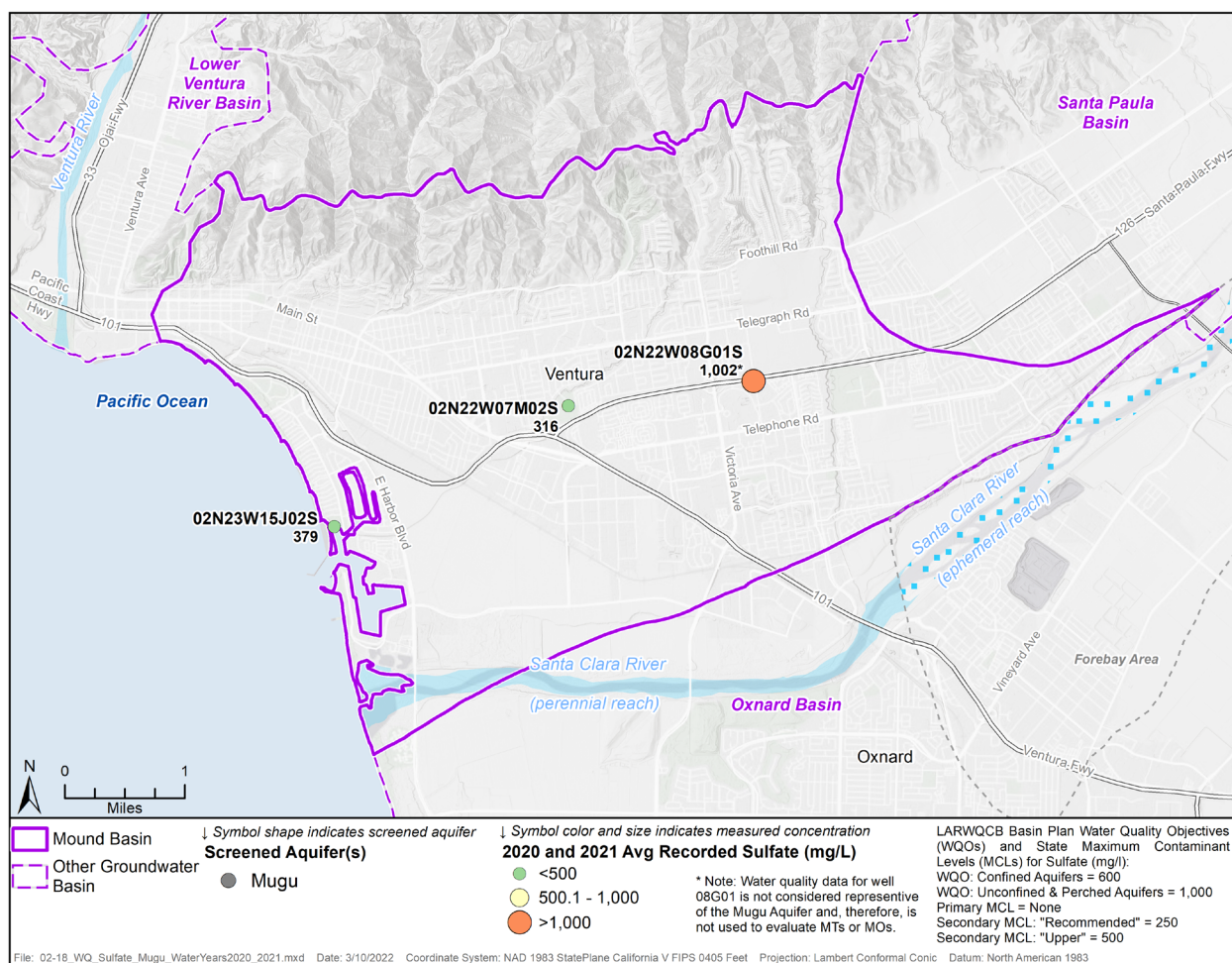


Figure 3.29 Average Sulfate Concentrations Detected in Mugu Aquifer During Water Year 2020

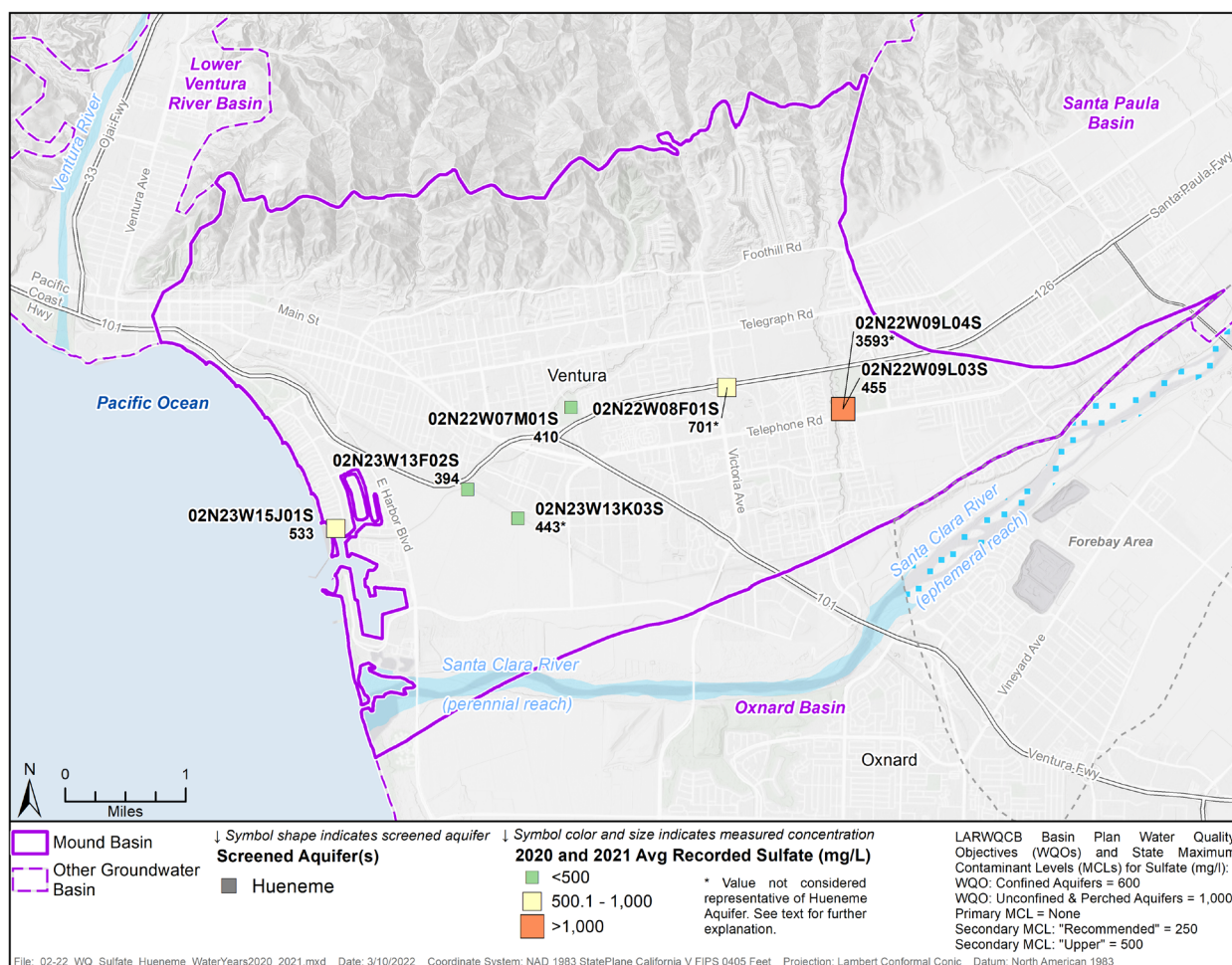


Figure 3.30 Average Sulfate Concentrations Detected in the Hueneme Aquifer During Water Year 2020

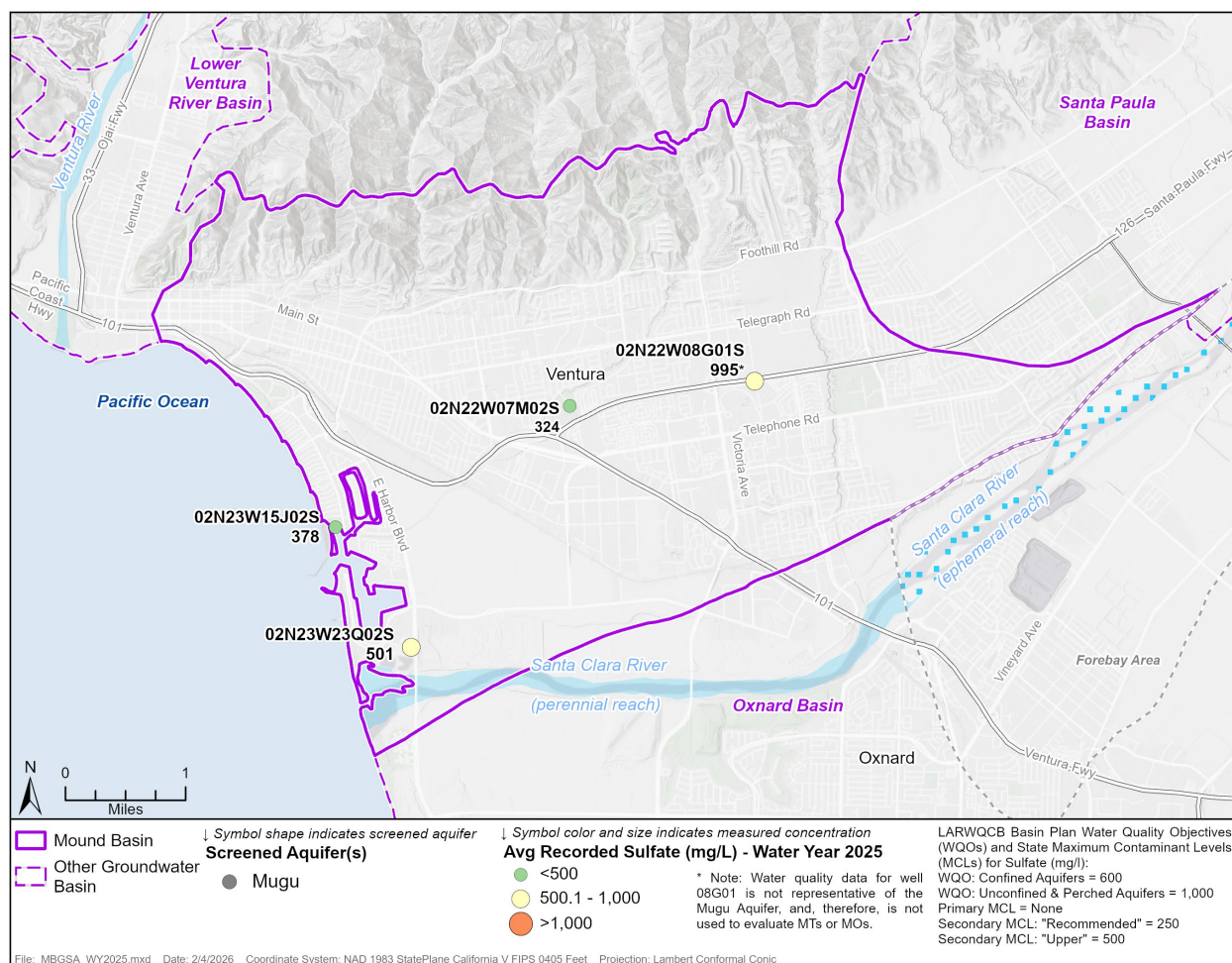


Figure 3.31 Average Sulfate Concentrations Detected in Mugu Aquifer During Water Year 2025

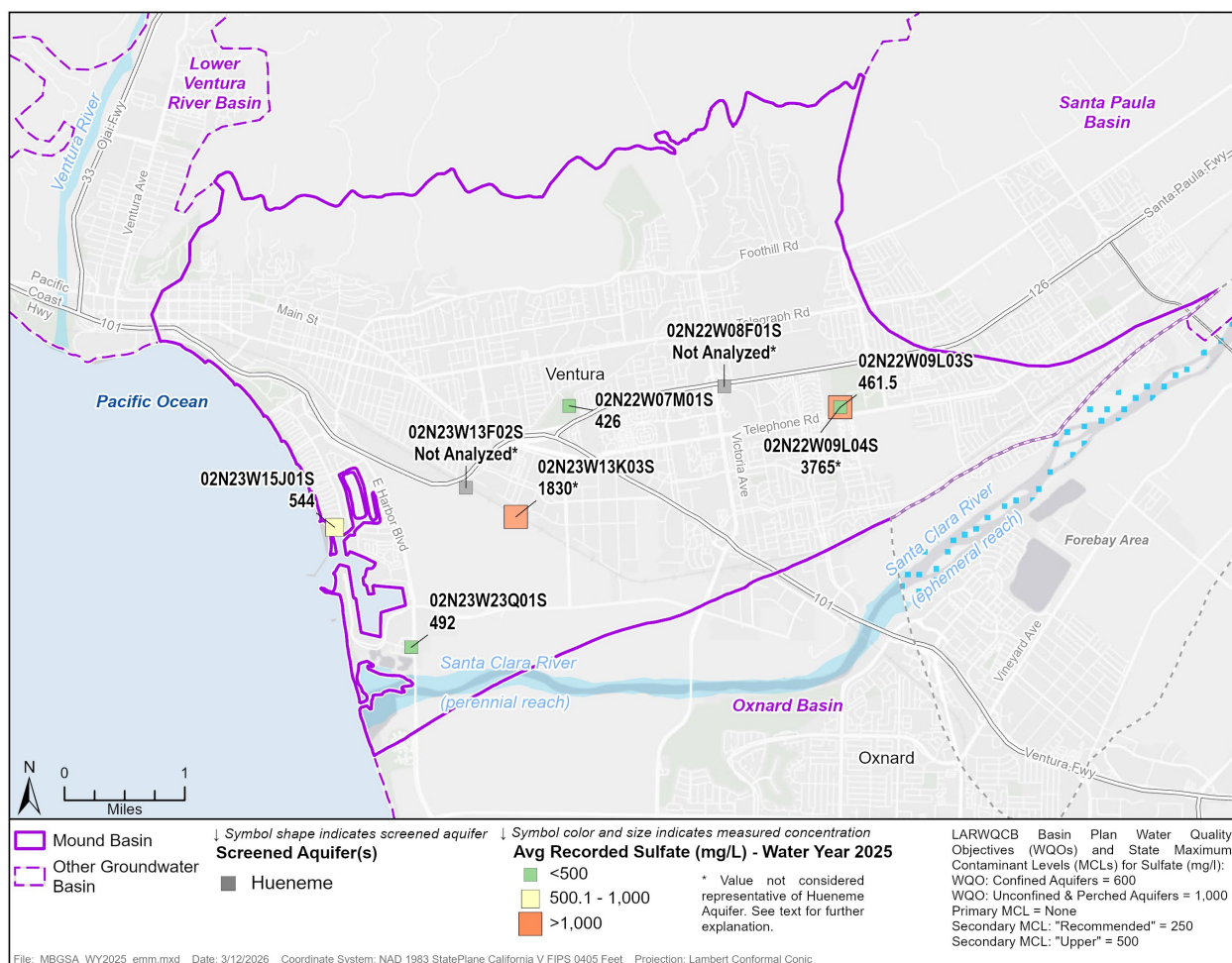


Figure 3.32 Average Sulfate Concentrations Detected in Hueneme Aquifer During Water Year 2025

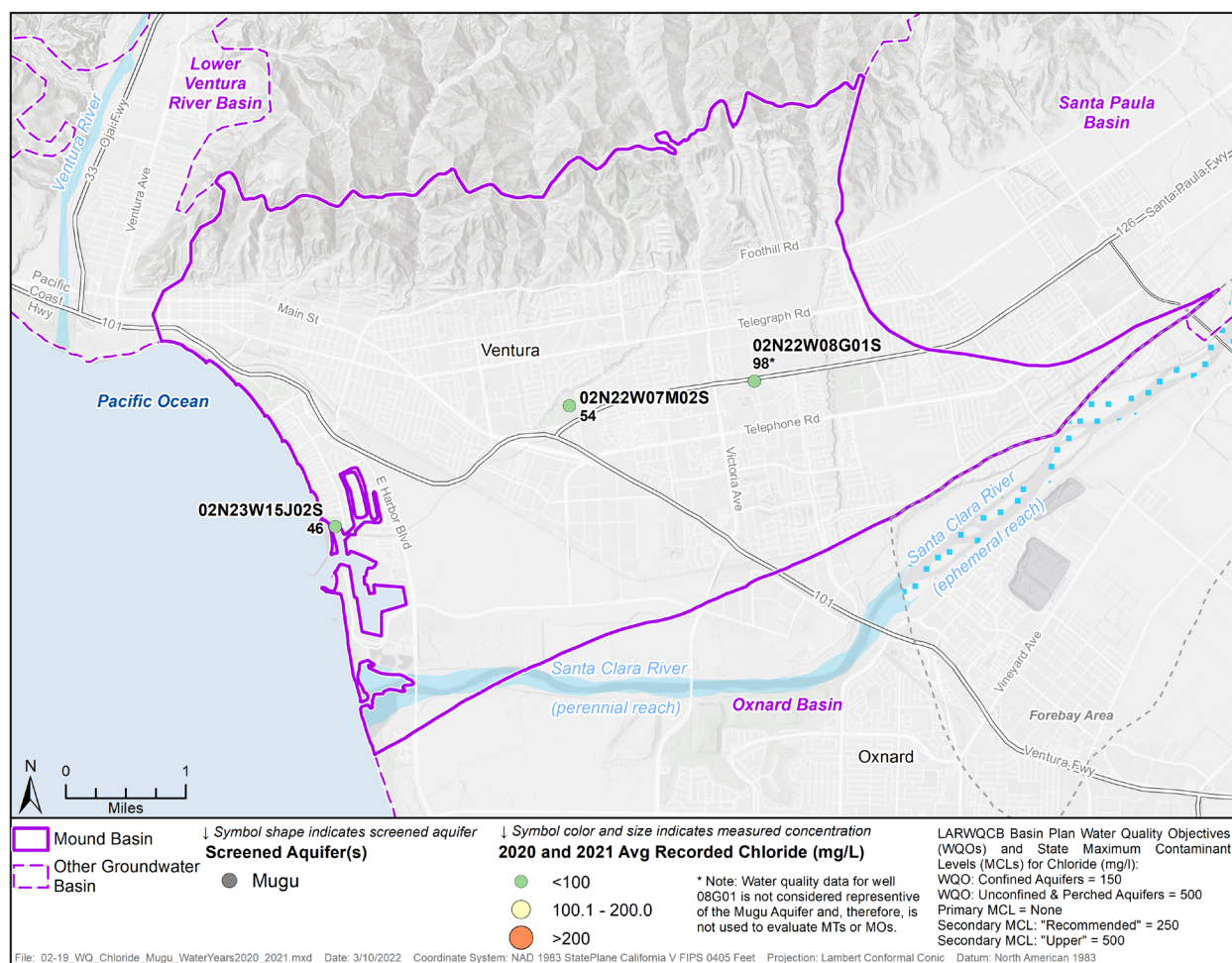


Figure 3.33 Average Chloride Concentrations Detected in Mugu Aquifer During Water Year 2020

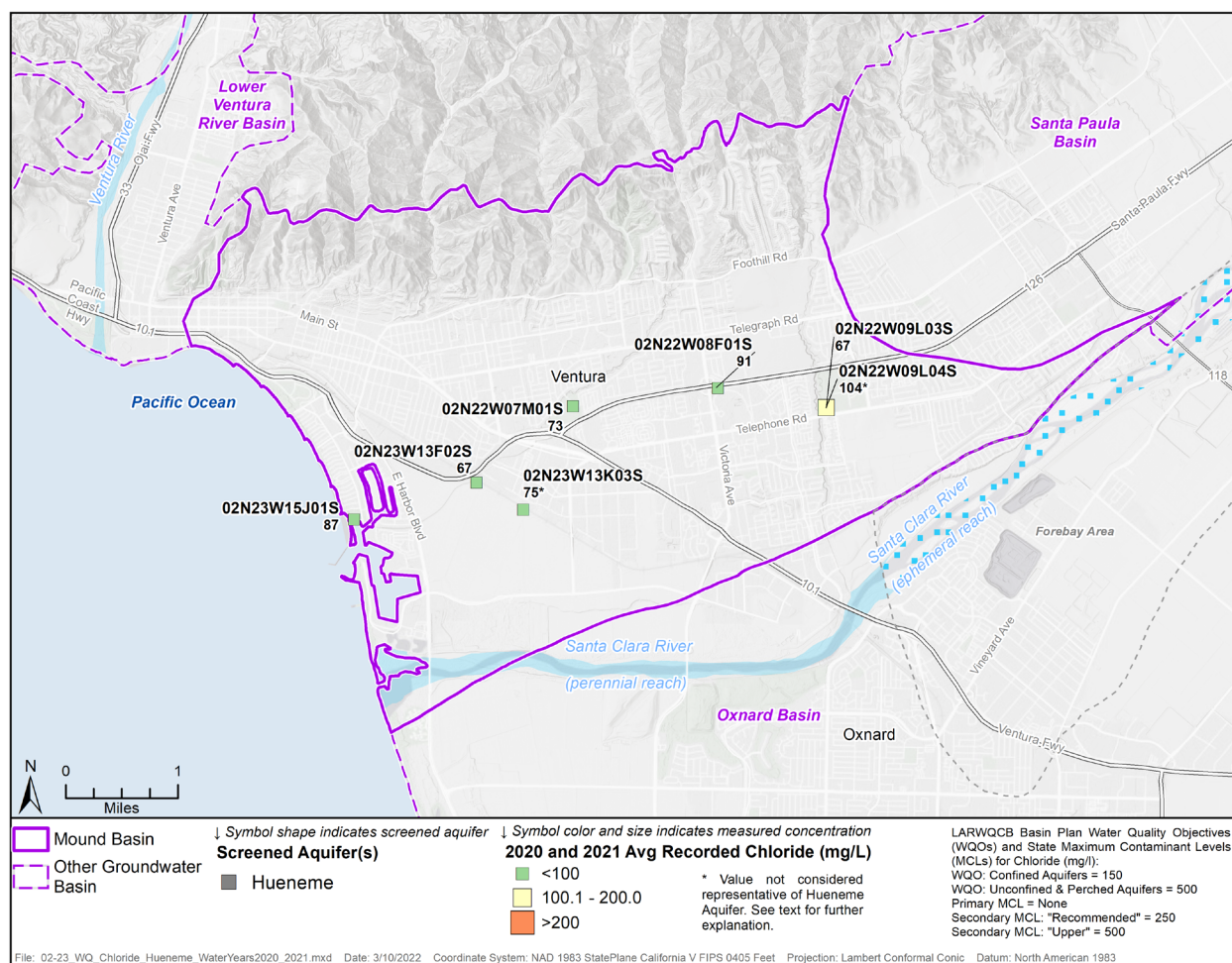


Figure 3.34 Average Chloride Concentrations Detected in Hueneme Aquifer During Water Year 2020

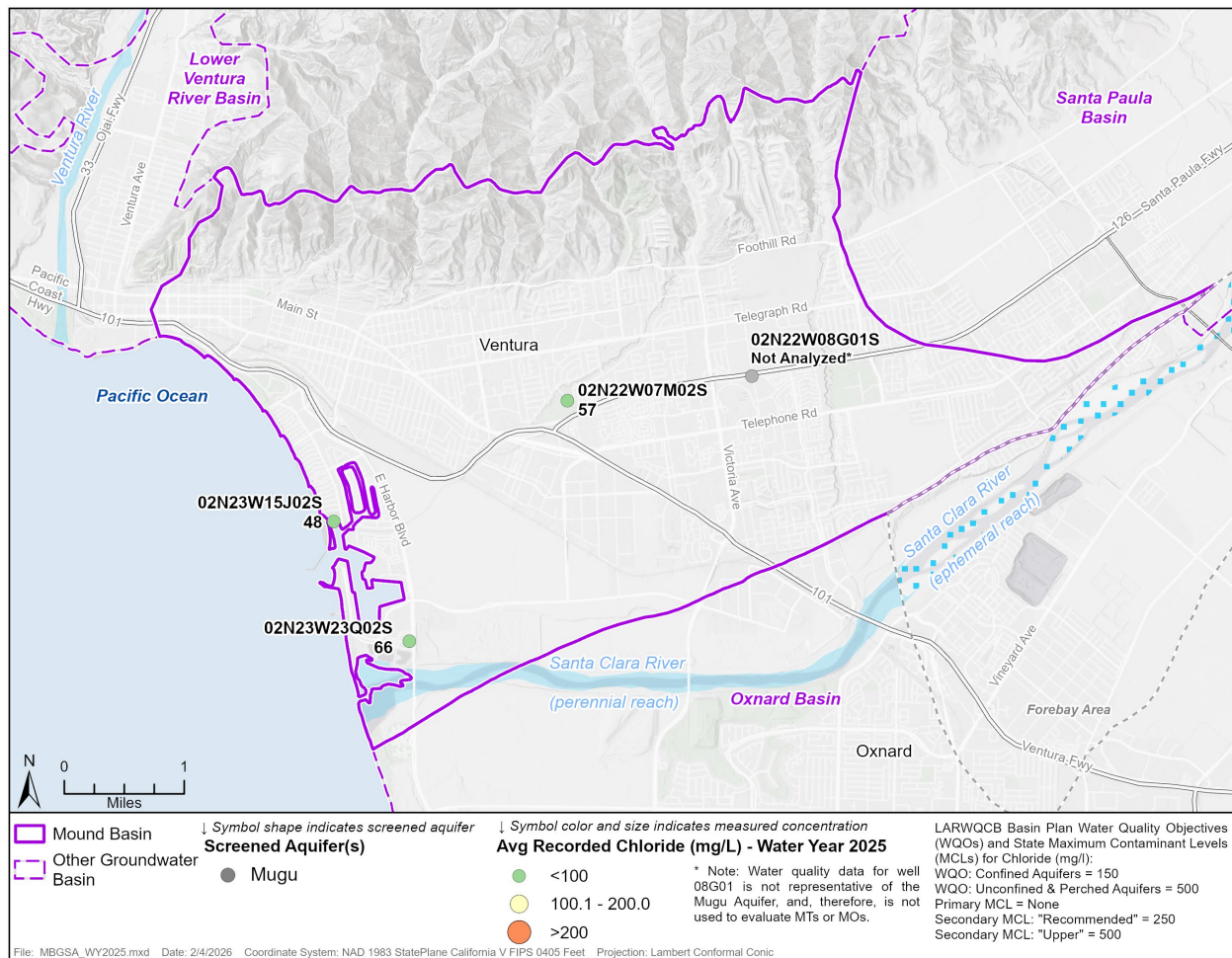


Figure 3.35 Average Chloride Concentrations Detected in Mugu Aquifer During Water Year 2025

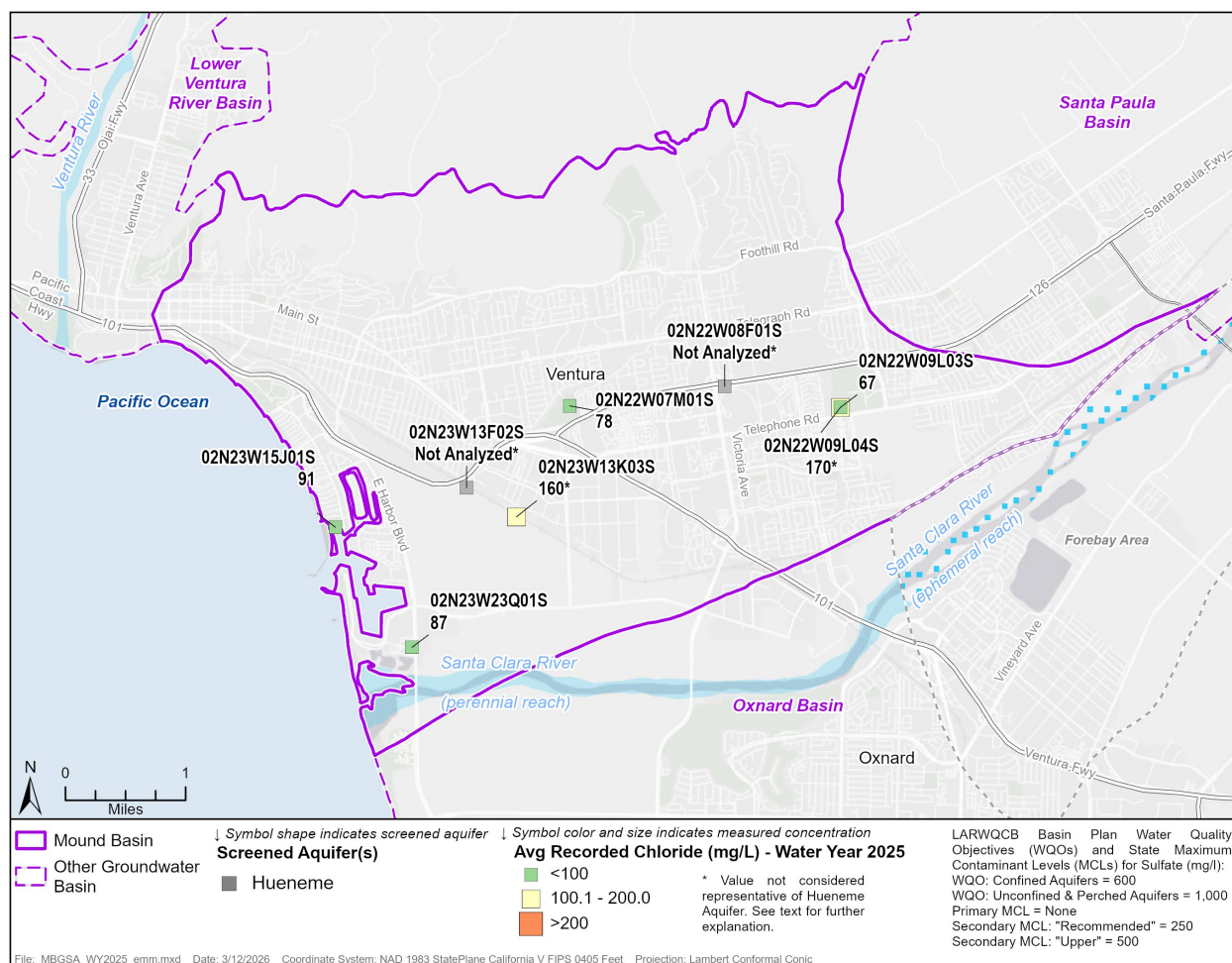


Figure 3.36 Average Chloride Concentrations Detected in Hueneme Aquifer During Water Year 2025

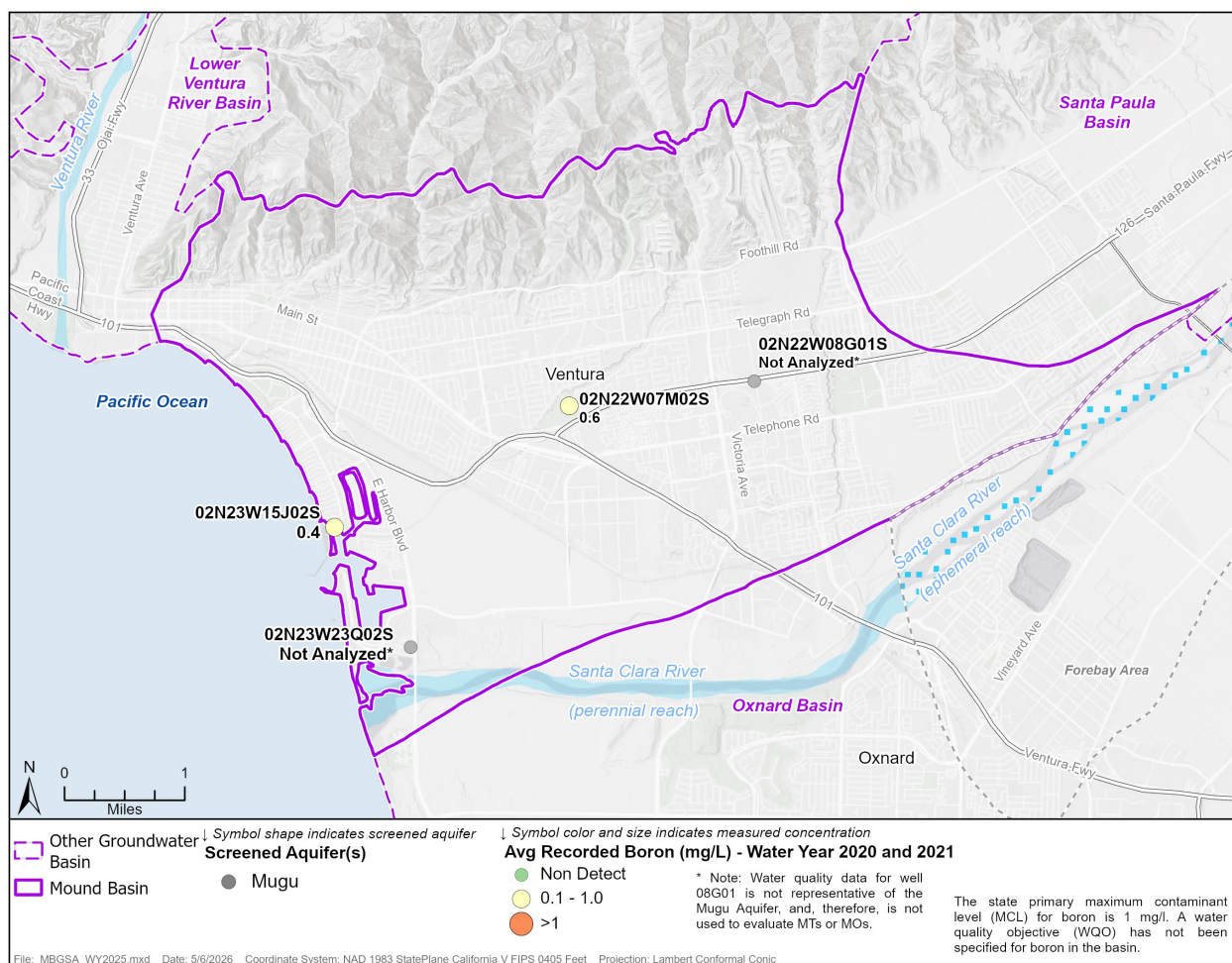


Figure 3.37 Average Boron Concentrations Detected in Mugu Aquifer During Water Year 2020

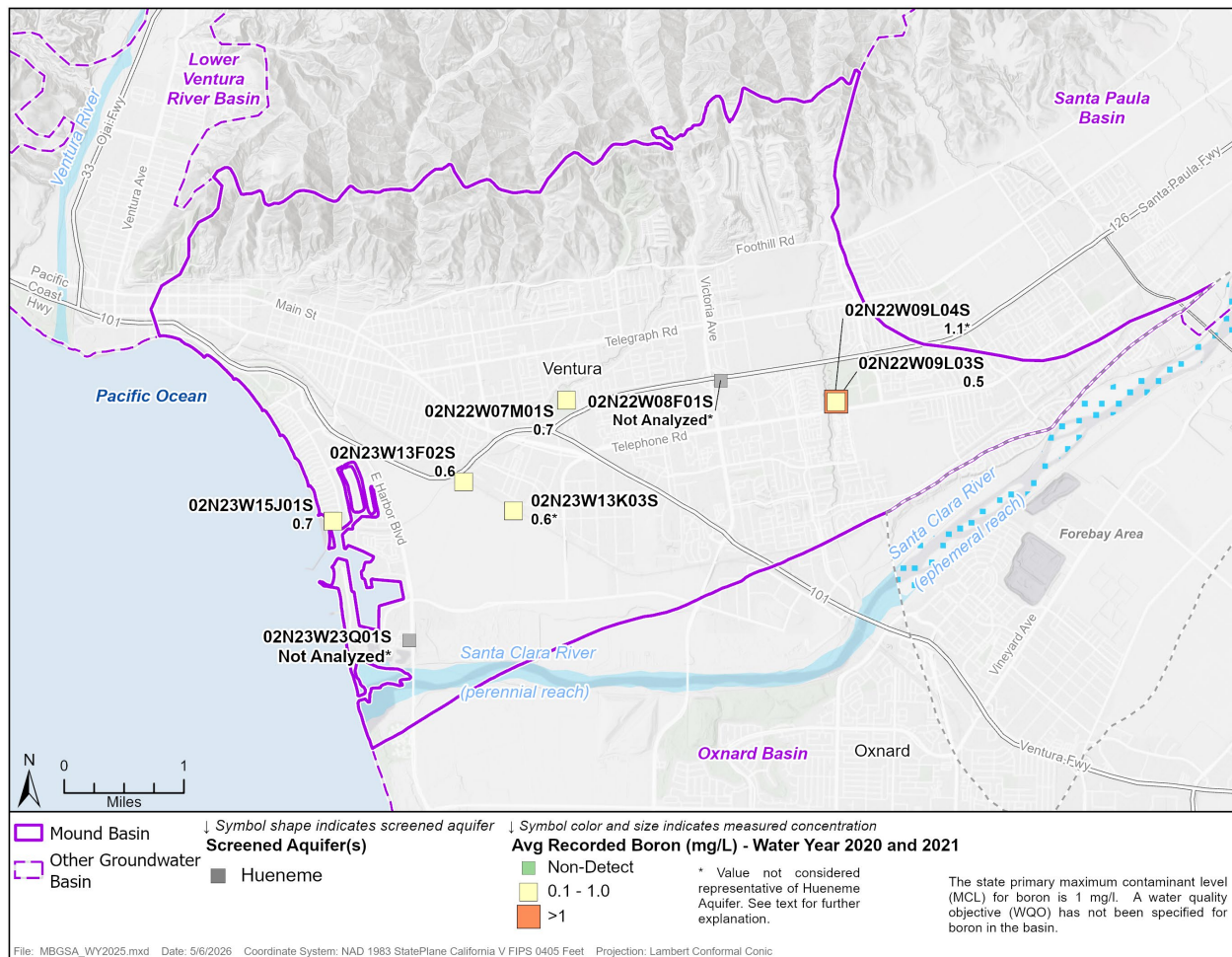


Figure 3.38 Average Boron Concentrations Detected in Hueneme Aquifer During Water Year 2020

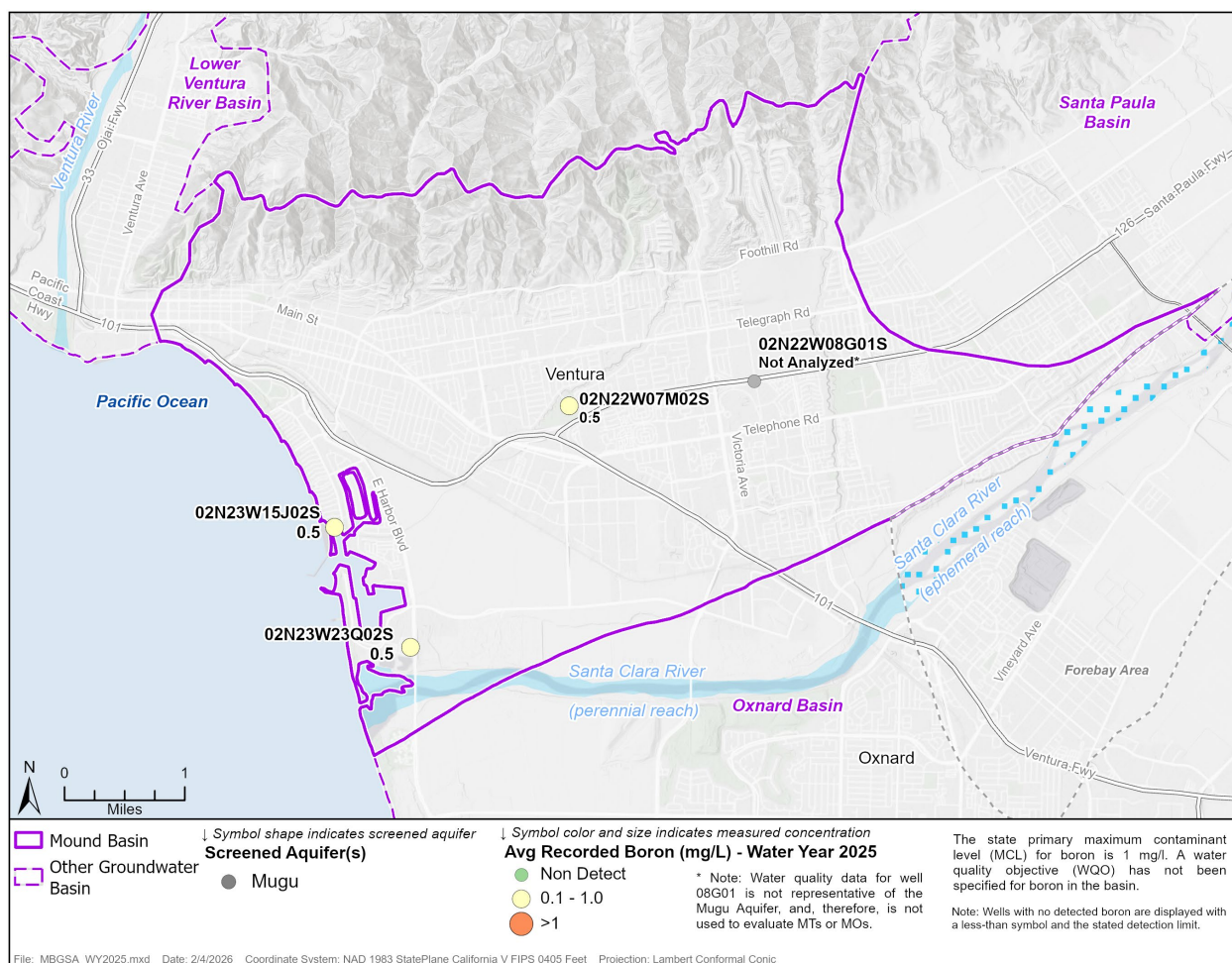


Figure 3.39 Average Boron Concentrations Detected in Mugu Aquifer During Water Year 2025

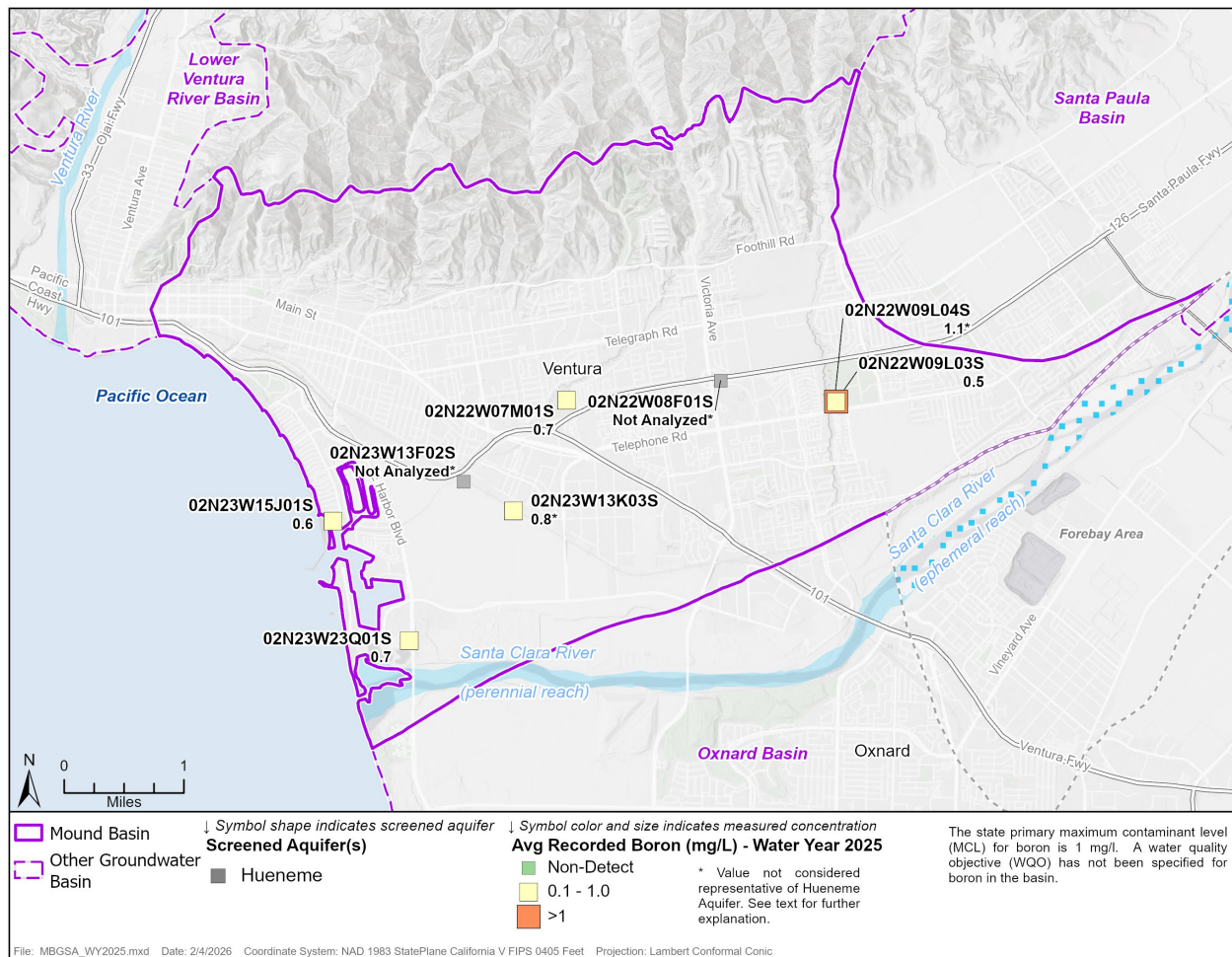


Figure 3.40 Average Boron Concentrations Detected in Hueneme Aquifer During Water Year 2025

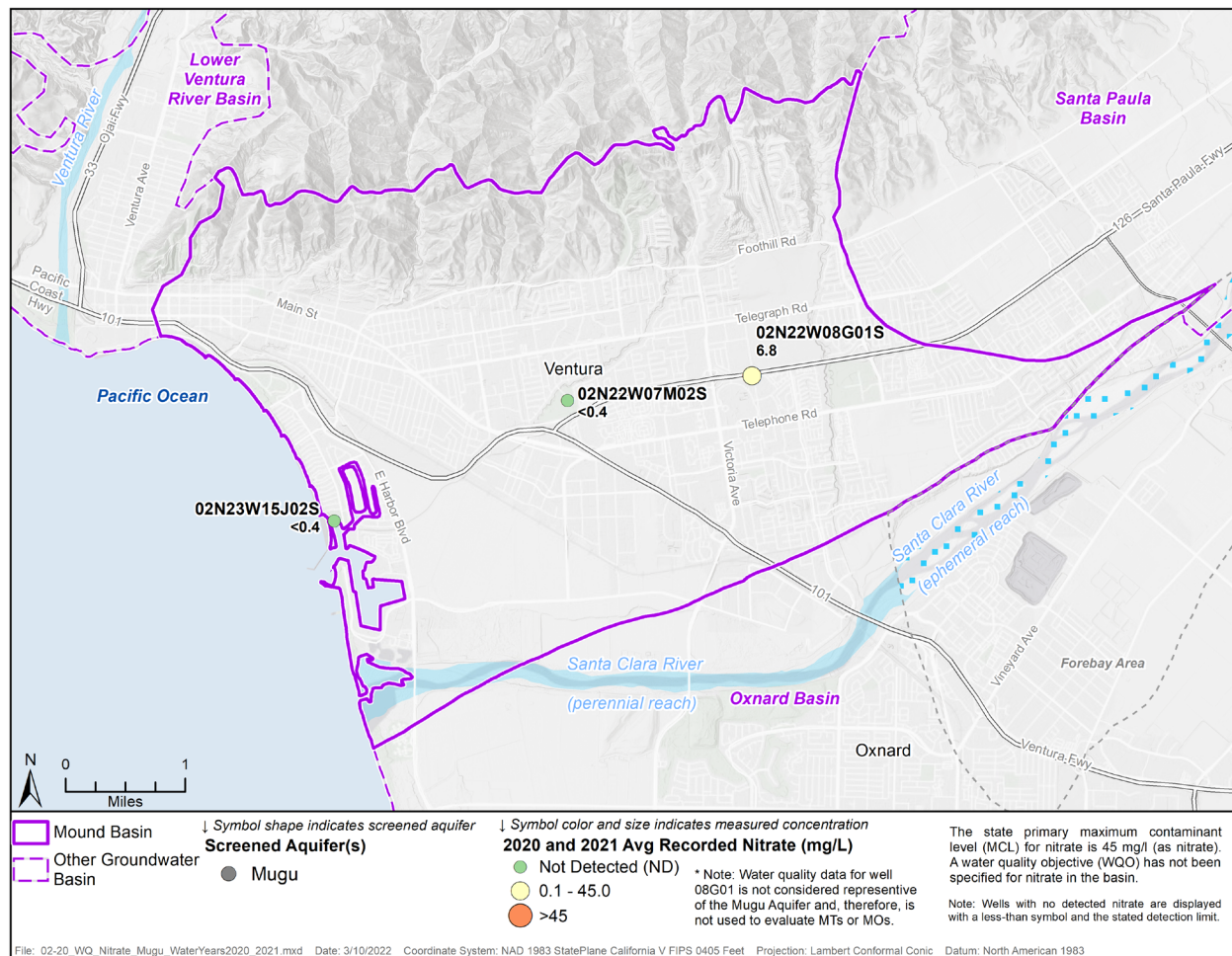


Figure 3.41 Average Nitrate Concentrations Detected in Mugu Aquifer During Water Year 2020

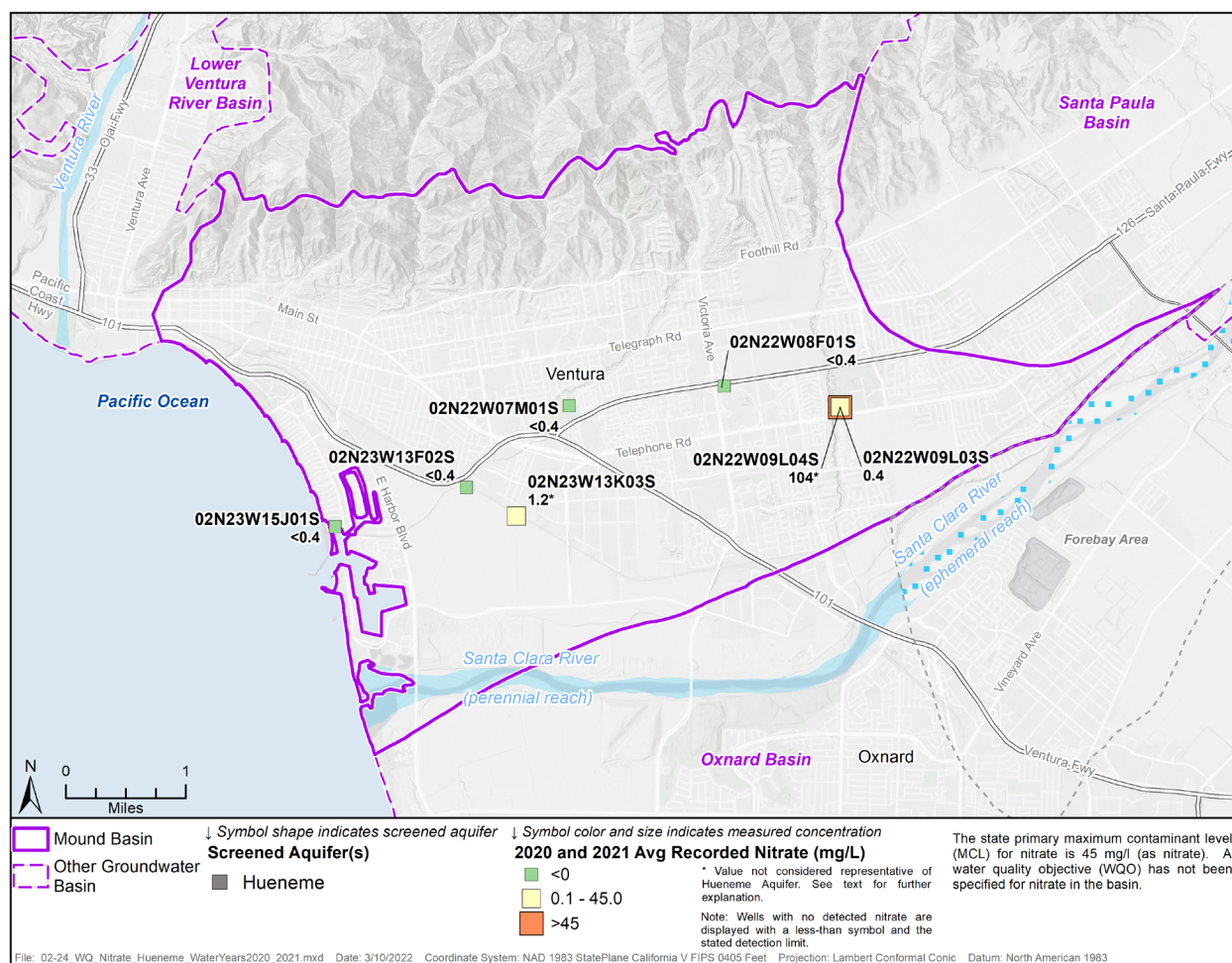


Figure 3.42 Average Nitrate Concentrations Detected in Hueneme Aquifer During Water Year 2020

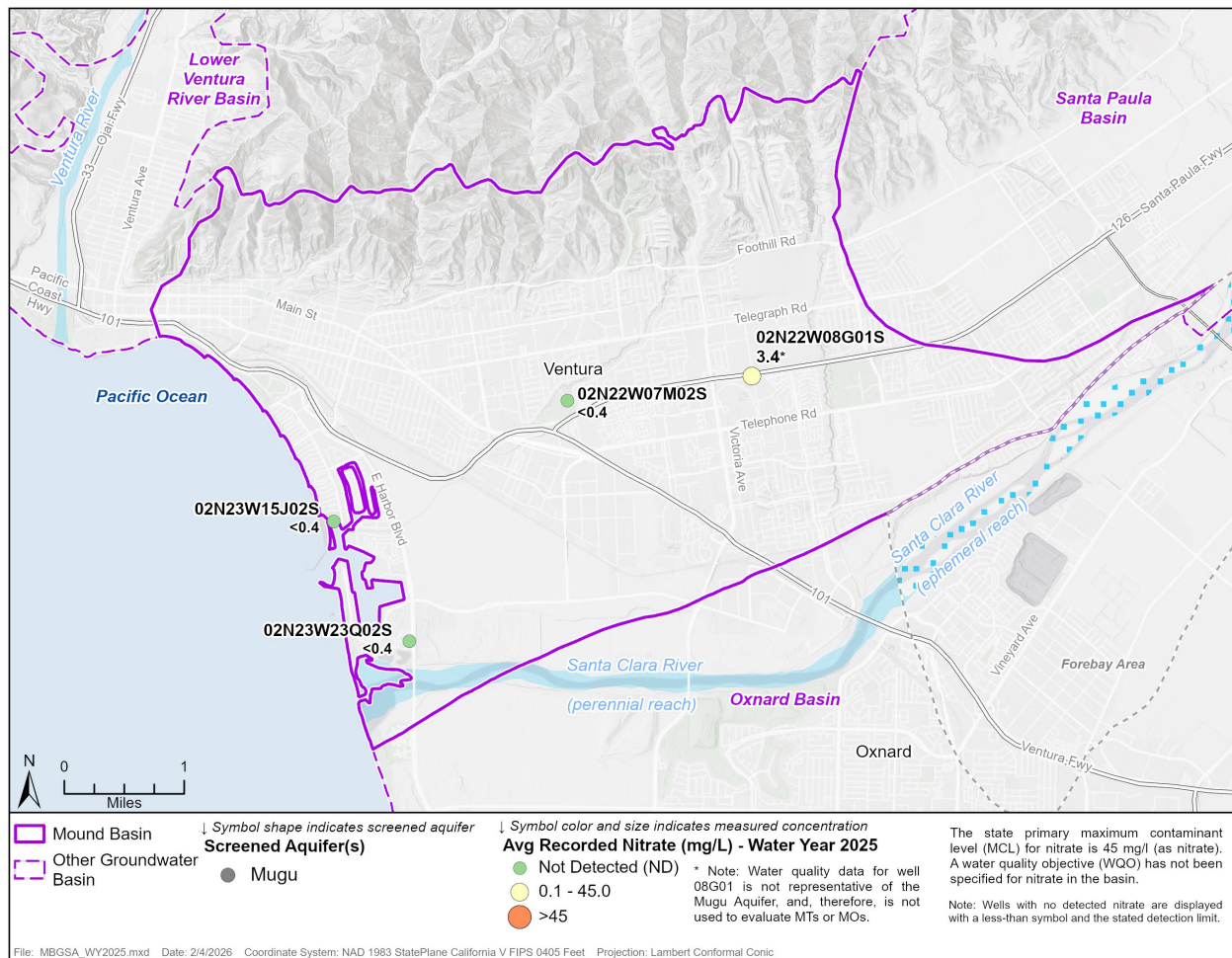


Figure 3.43 Average Nitrate Concentrations Detected in Mugu Aquifer During Water Year 2025

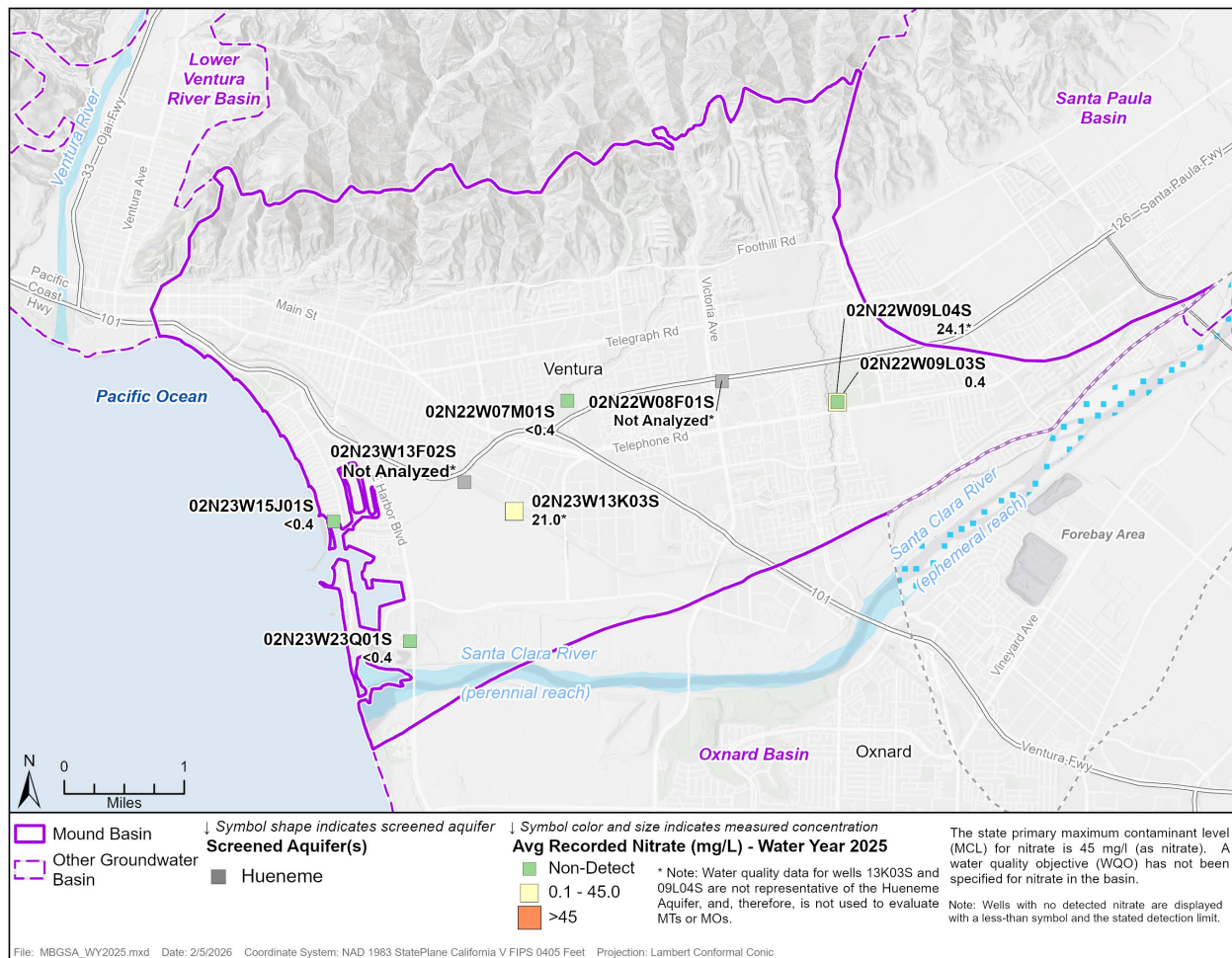


Figure 3.44 Average Nitrate Concentrations Detected in Hueneme Aquifer During Water Year 2025

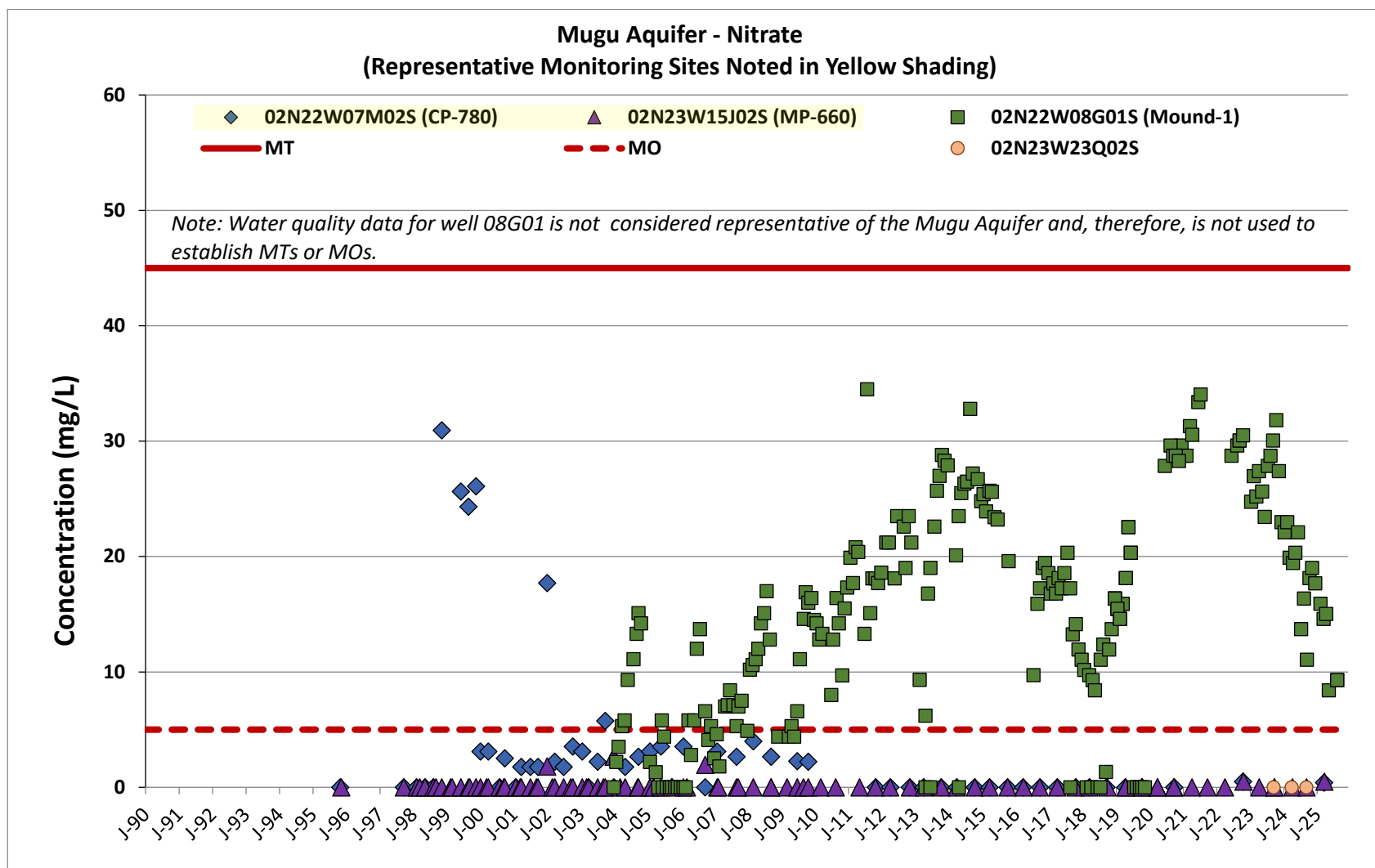


Figure 3.45 Time Series of Nitrate Concentrations in the Mugu Aquifer

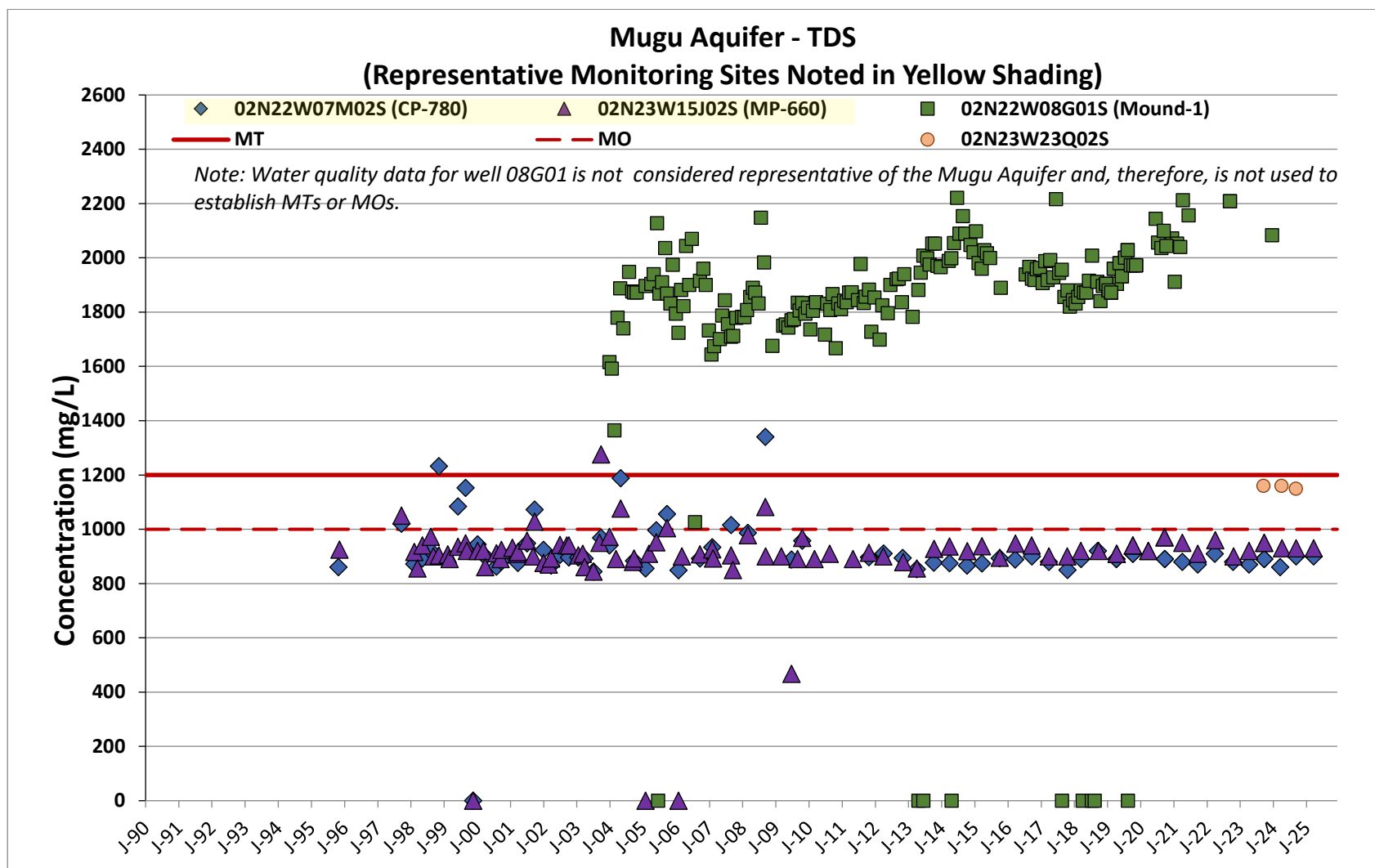


Figure 3.46 Time Series of TDS Concentrations in the Mugu Aquifer

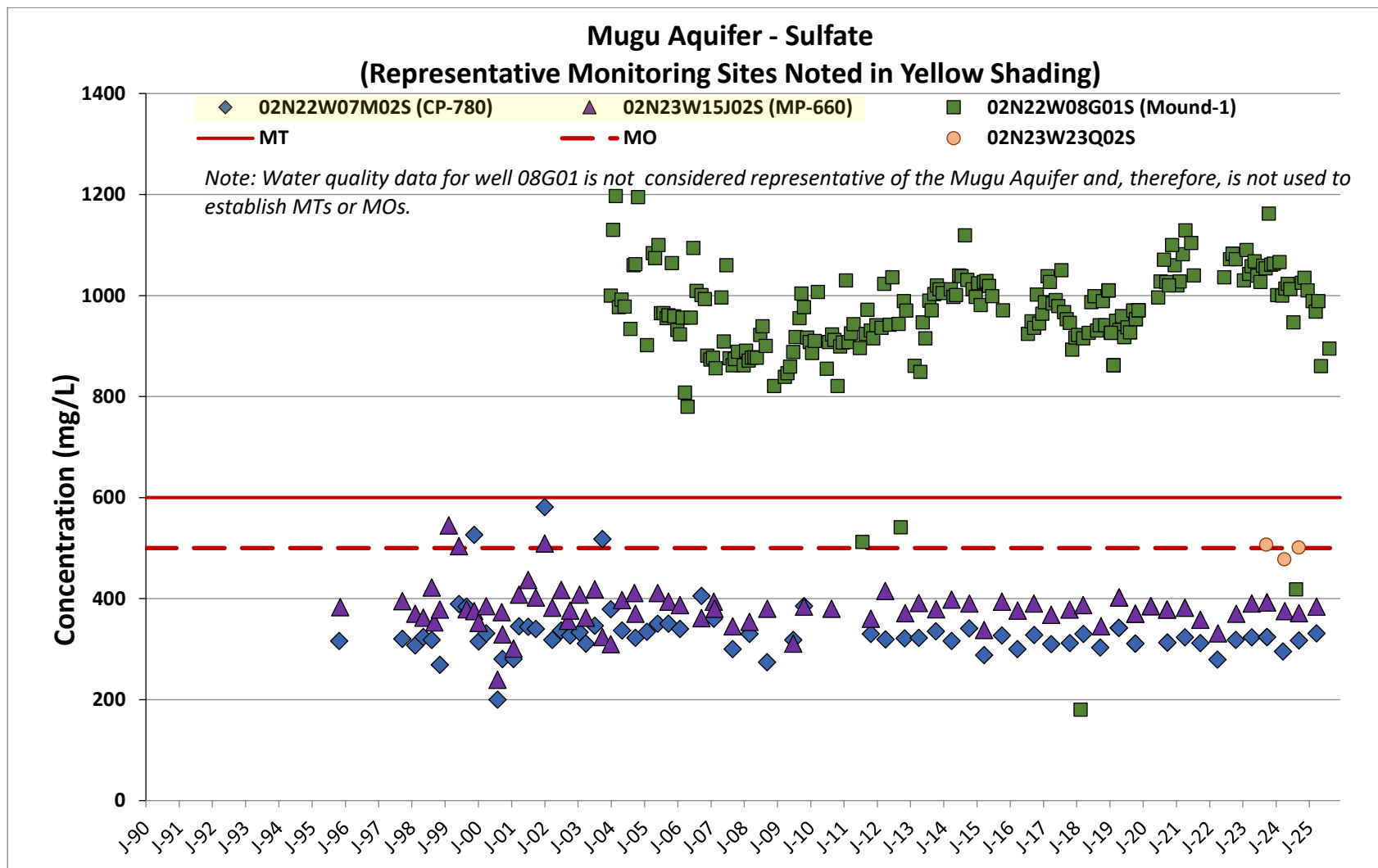


Figure 3.47 Time Series of Sulfate Concentrations in the Mugu Aquifer

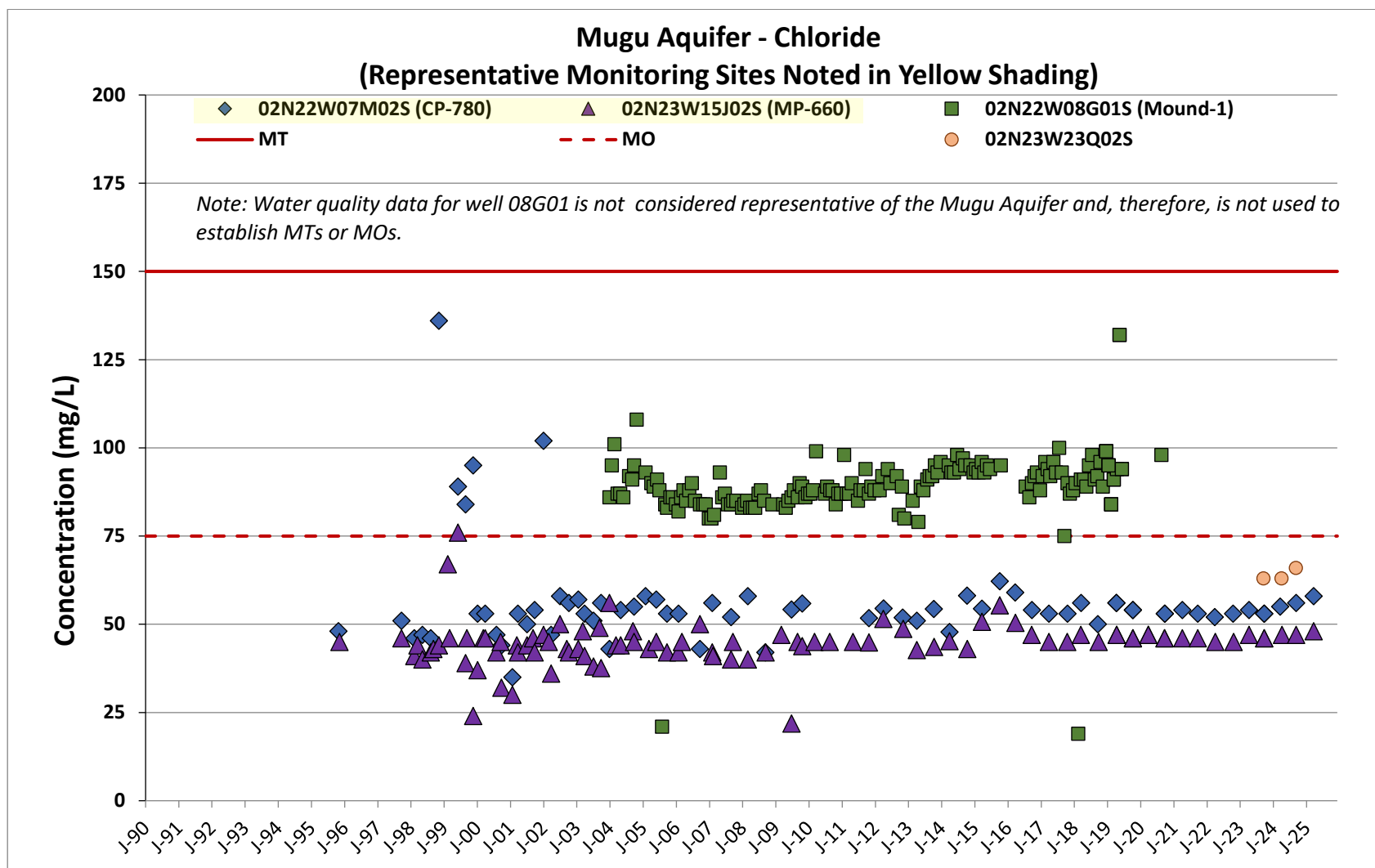


Figure 3.48 Time Series of Chloride Concentrations in the Mugu Aquifer

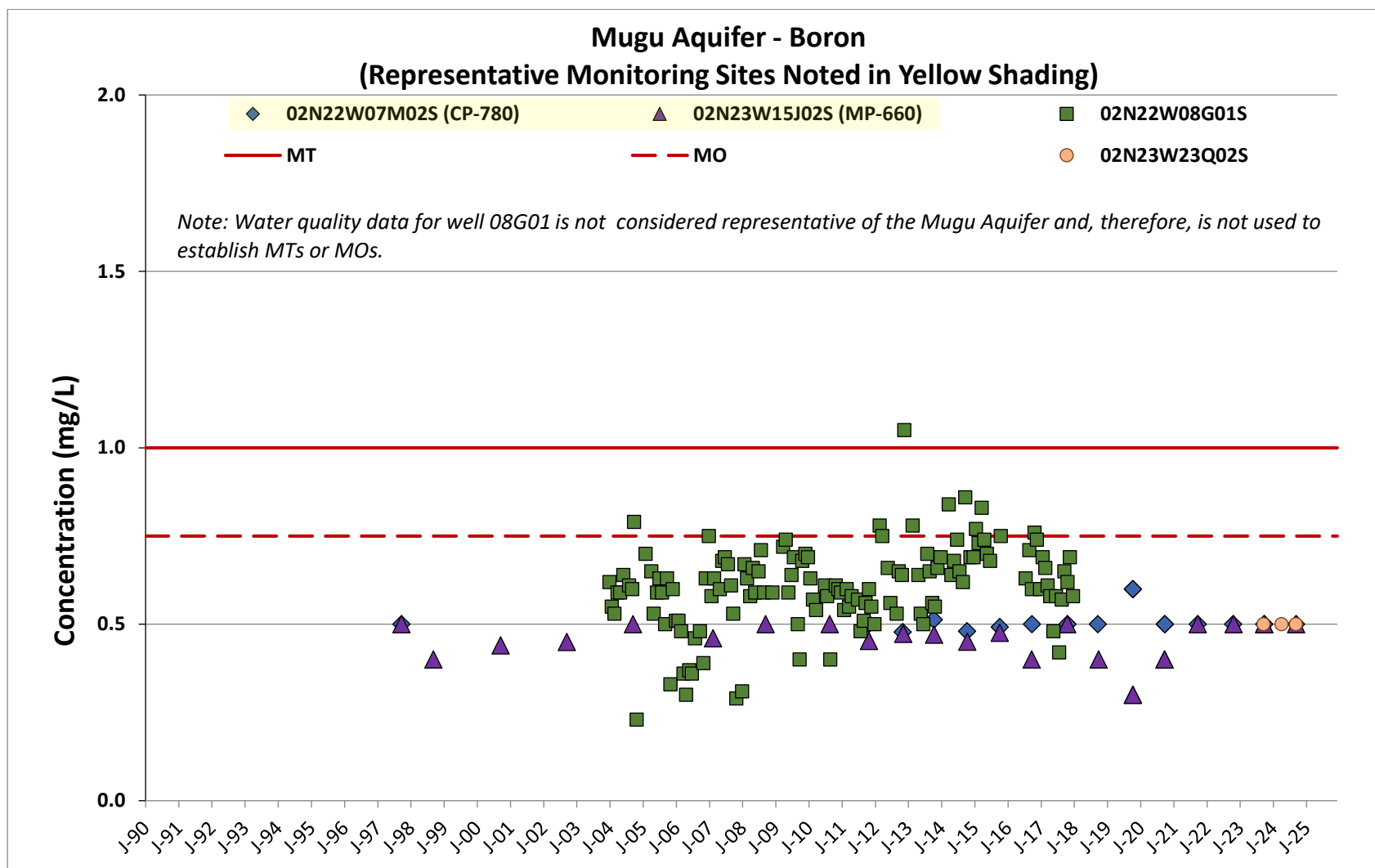


Figure 3.49 Time Series of Boron Concentrations in the Mugu Aquifer

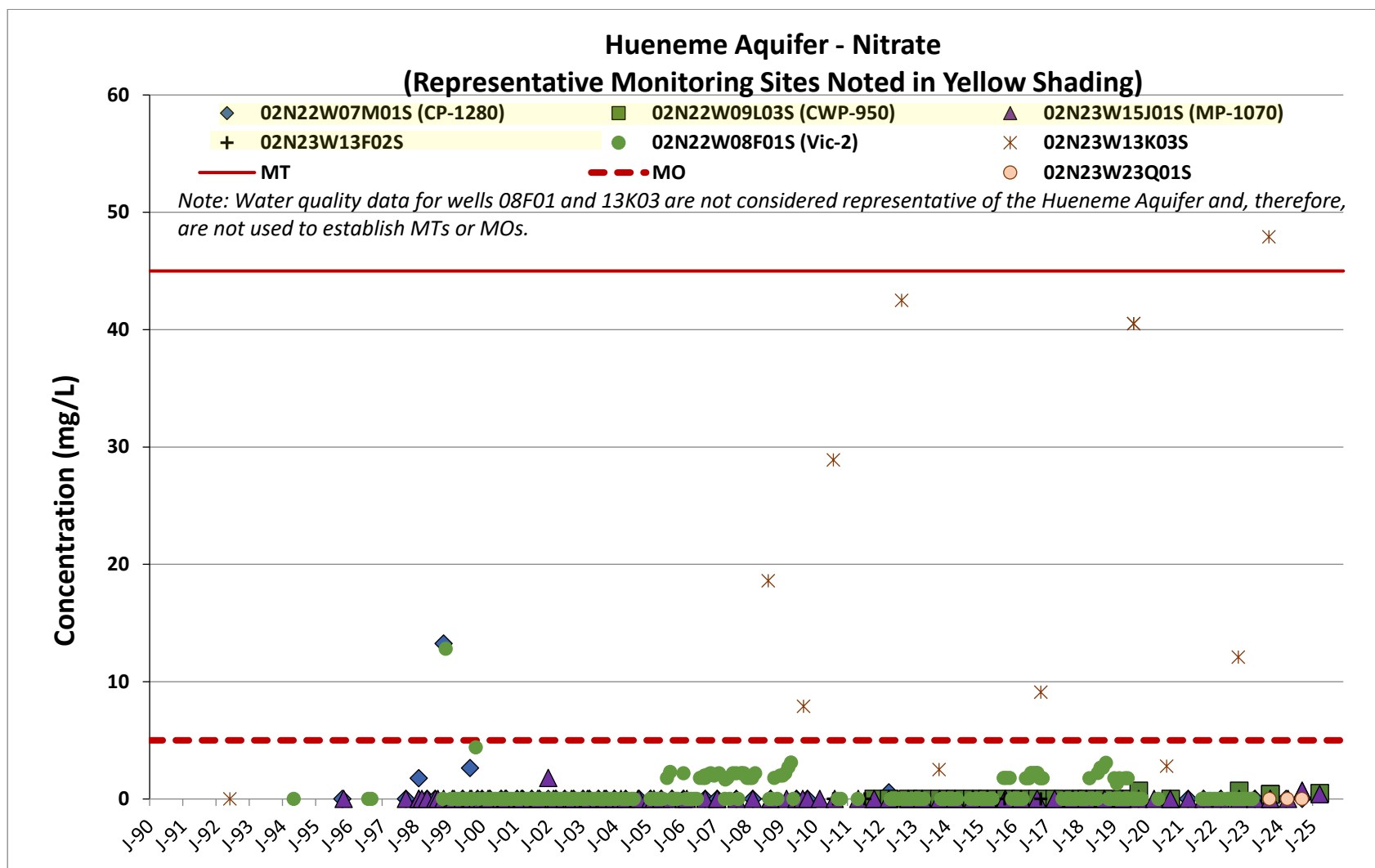


Figure 3.50 Time Series of Nitrate Concentrations in the Hueneme Aquifer

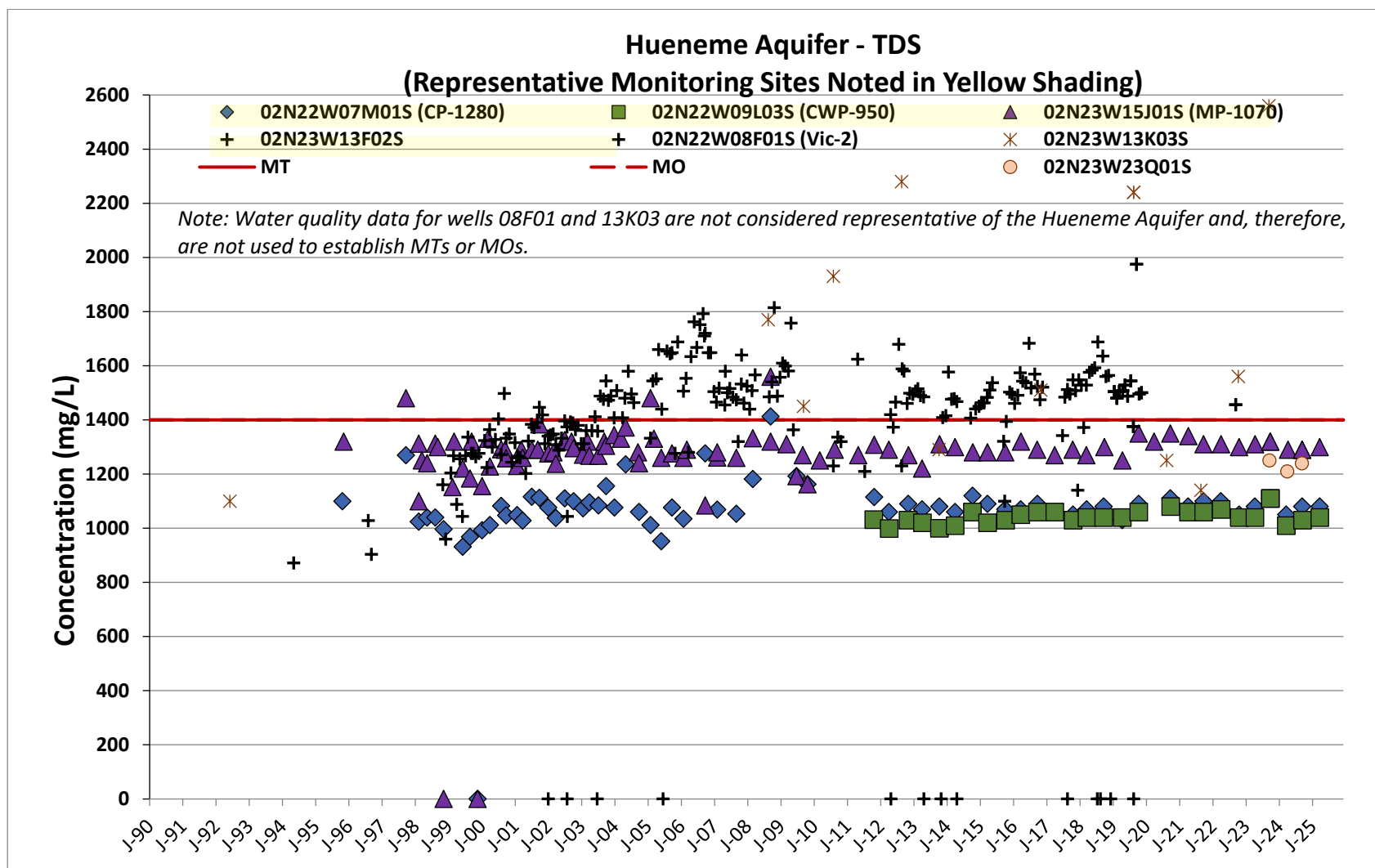


Figure 3.51 Time Series of TDS Concentrations in the Hueneme Aquifer

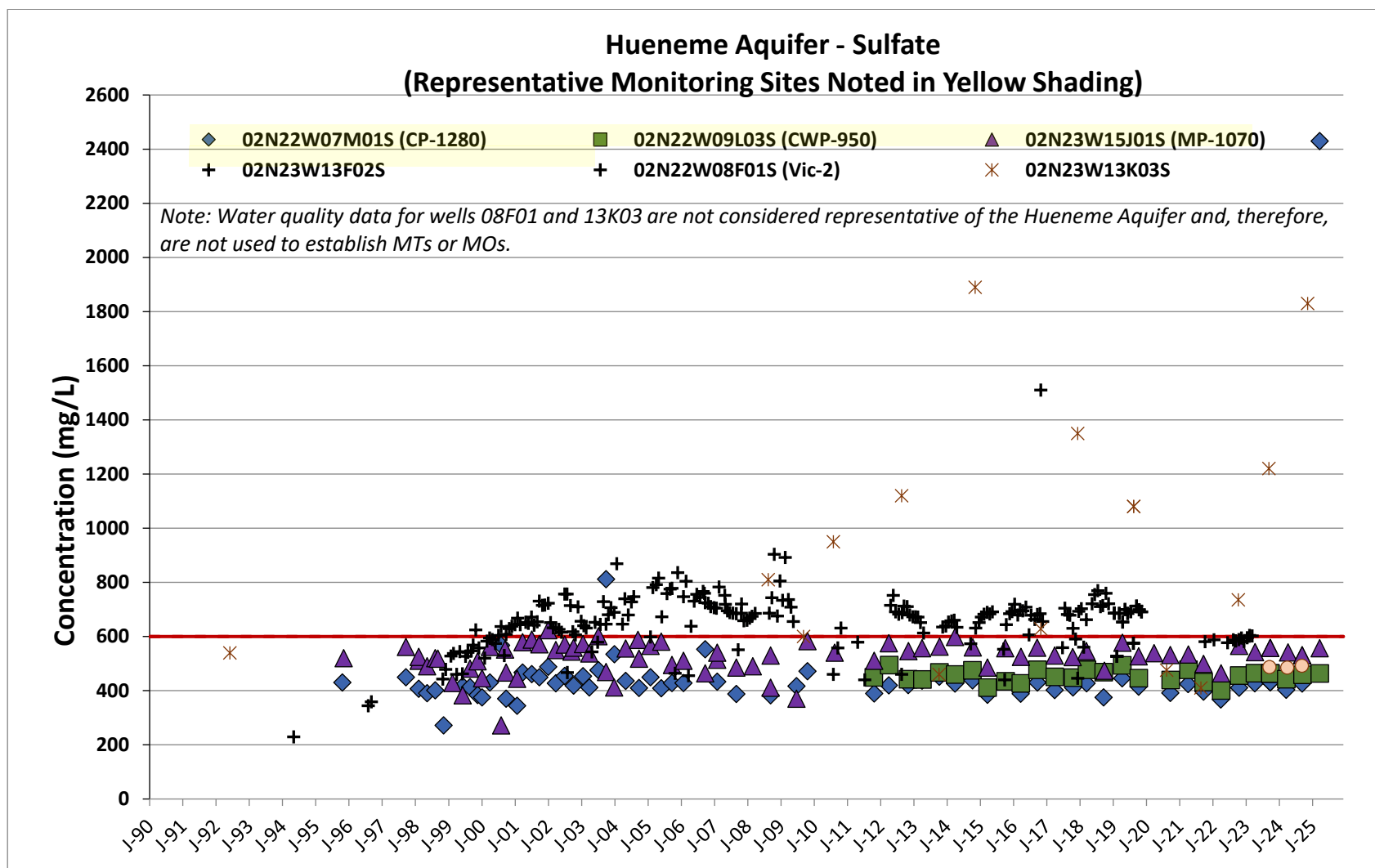


Figure 3.52 Time Series of Sulfate Concentrations in the Hueneme Aquifer

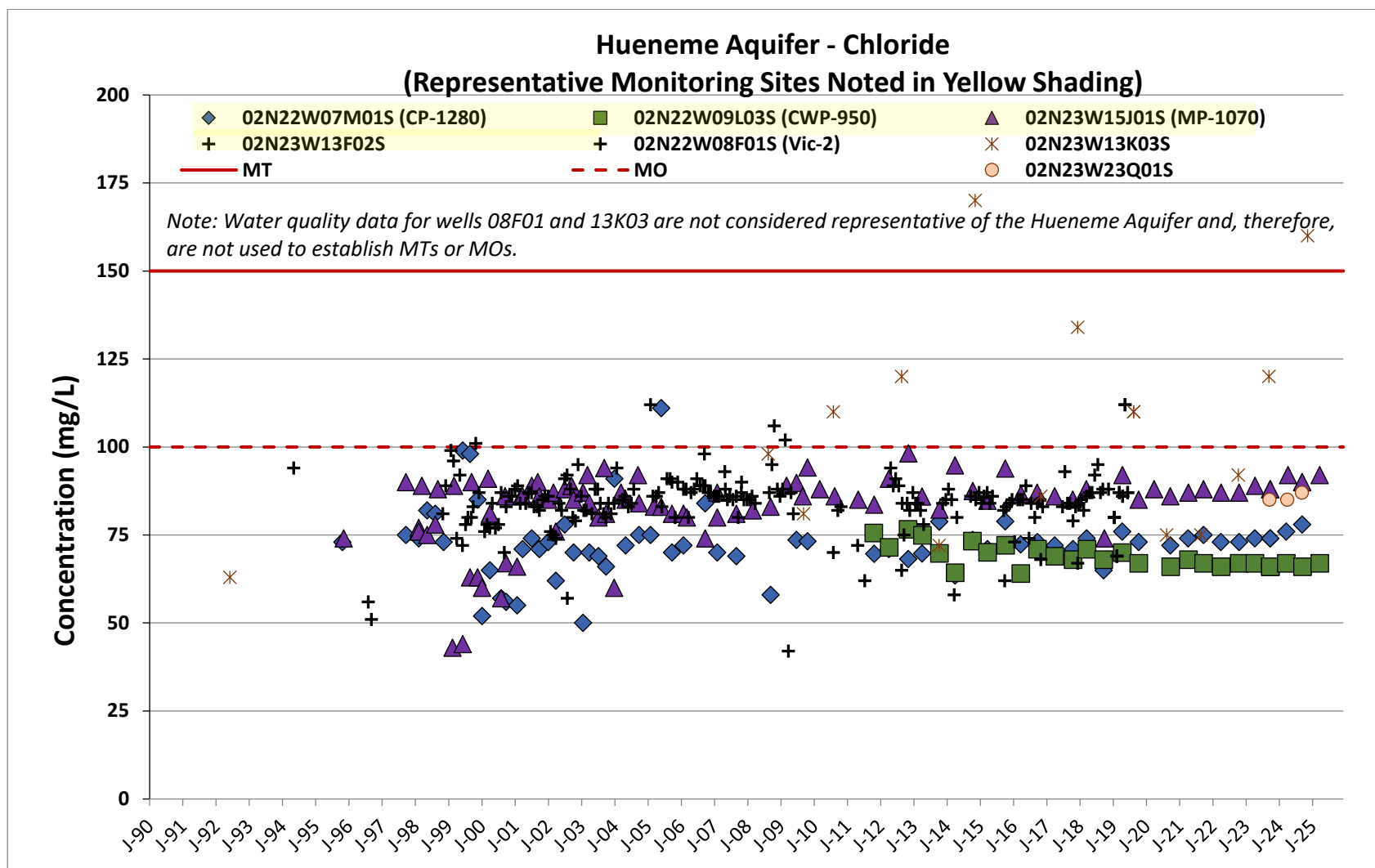


Figure 3.53 Time Series of Chloride Concentrations in the Hueneme Aquifer

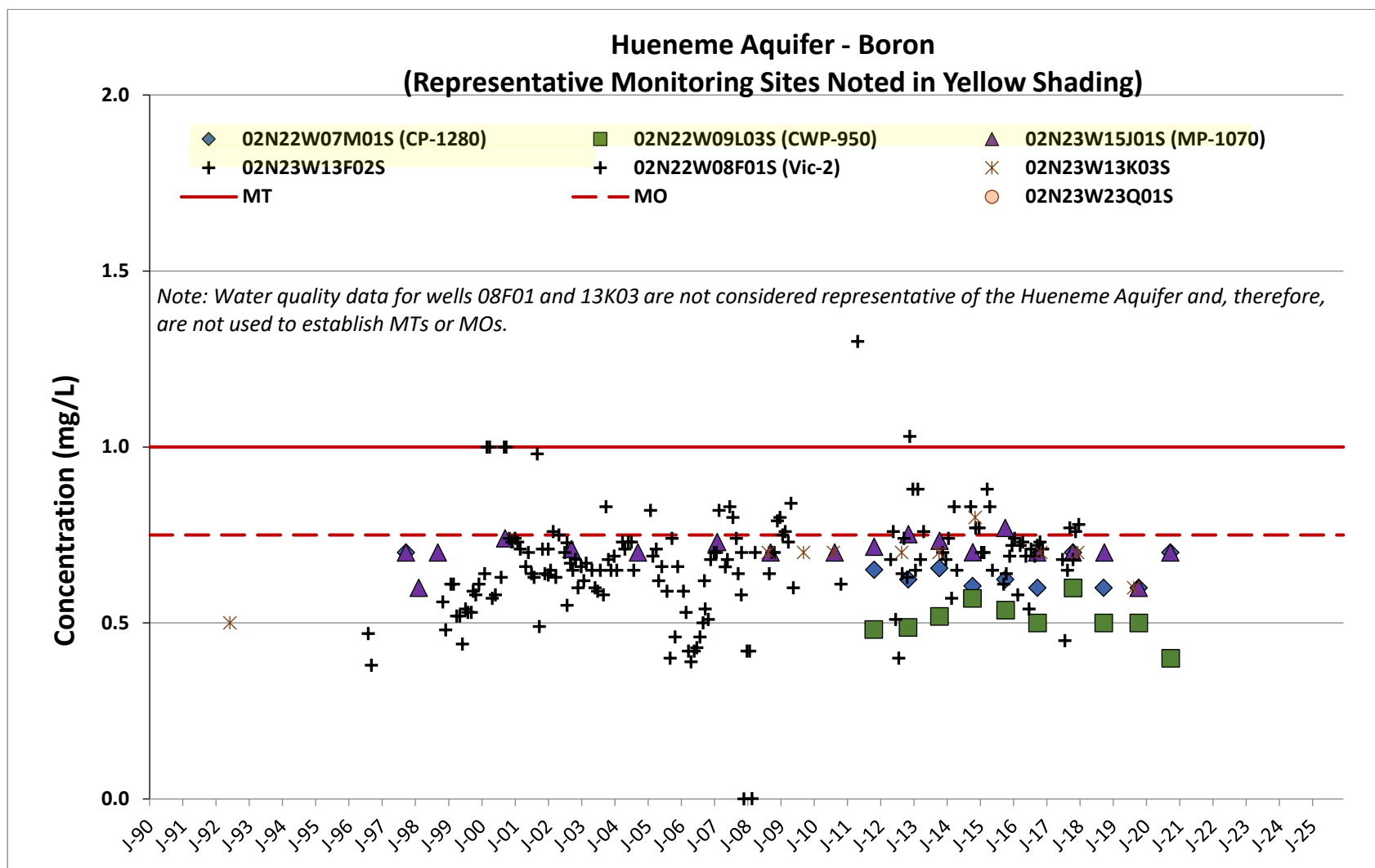


Figure 3.54 Time Series of Boron Concentrations in the Hueneme Aquifer

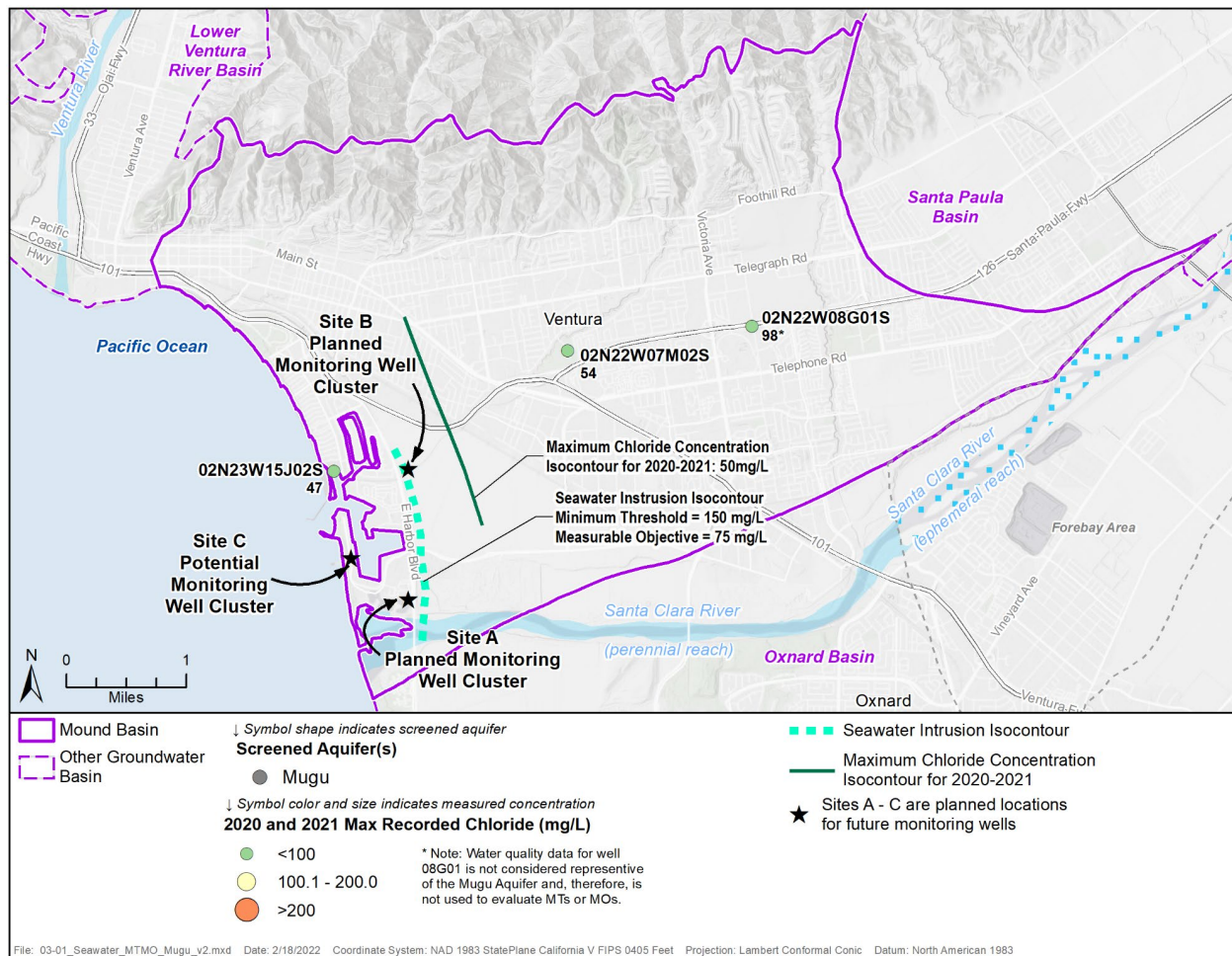


Figure 3.55 Map Showing Seawater Intrusion Minimum Threshold, Measurable Objective, and Chloride Isocontour, Mugu Aquifer, Water Year 2020

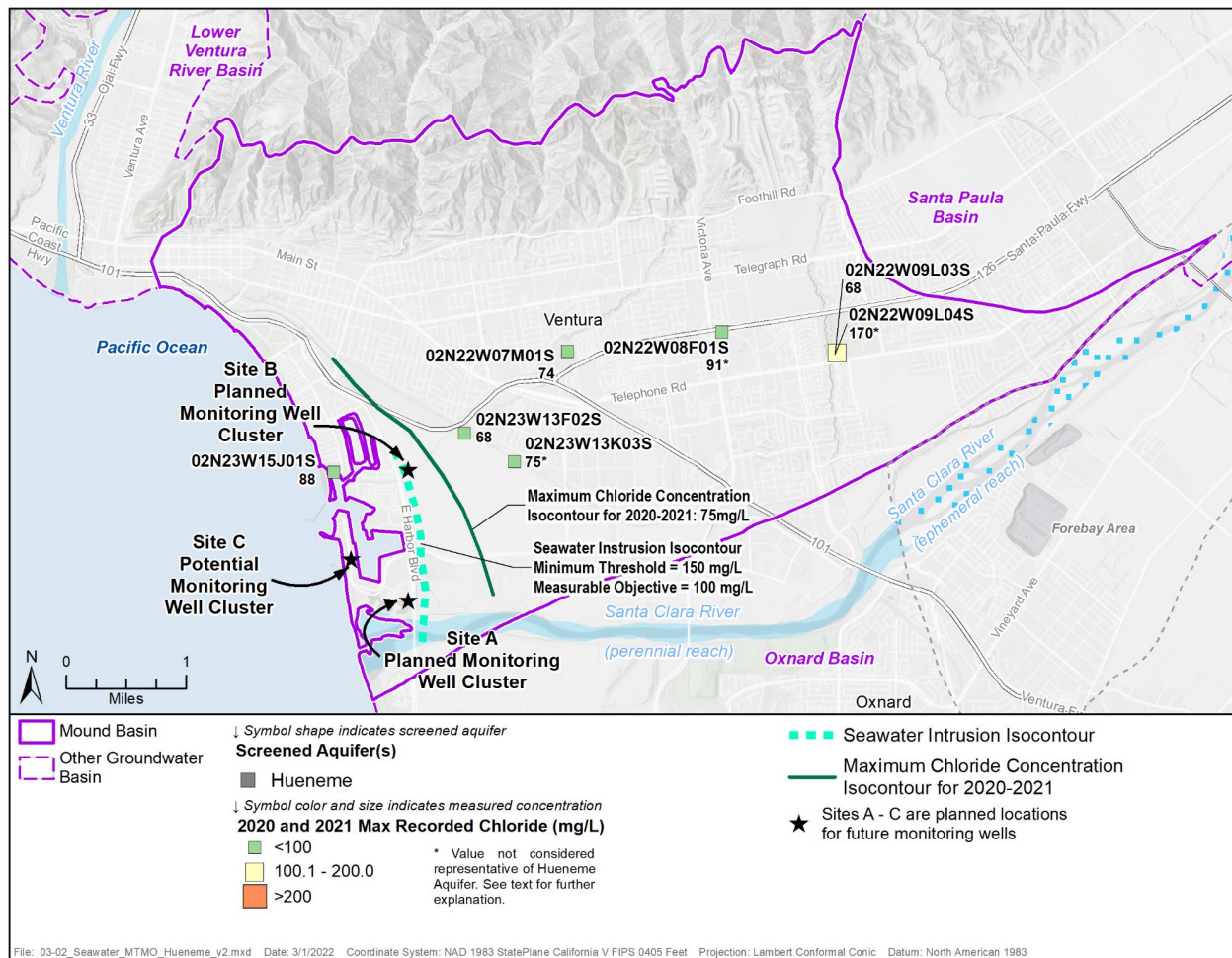


Figure 3.56 Map Showing Seawater Intrusion Minimum Threshold, Measurable Objective, and Chloride Isocontour, Hueneme Aquifer, Water Year 2020

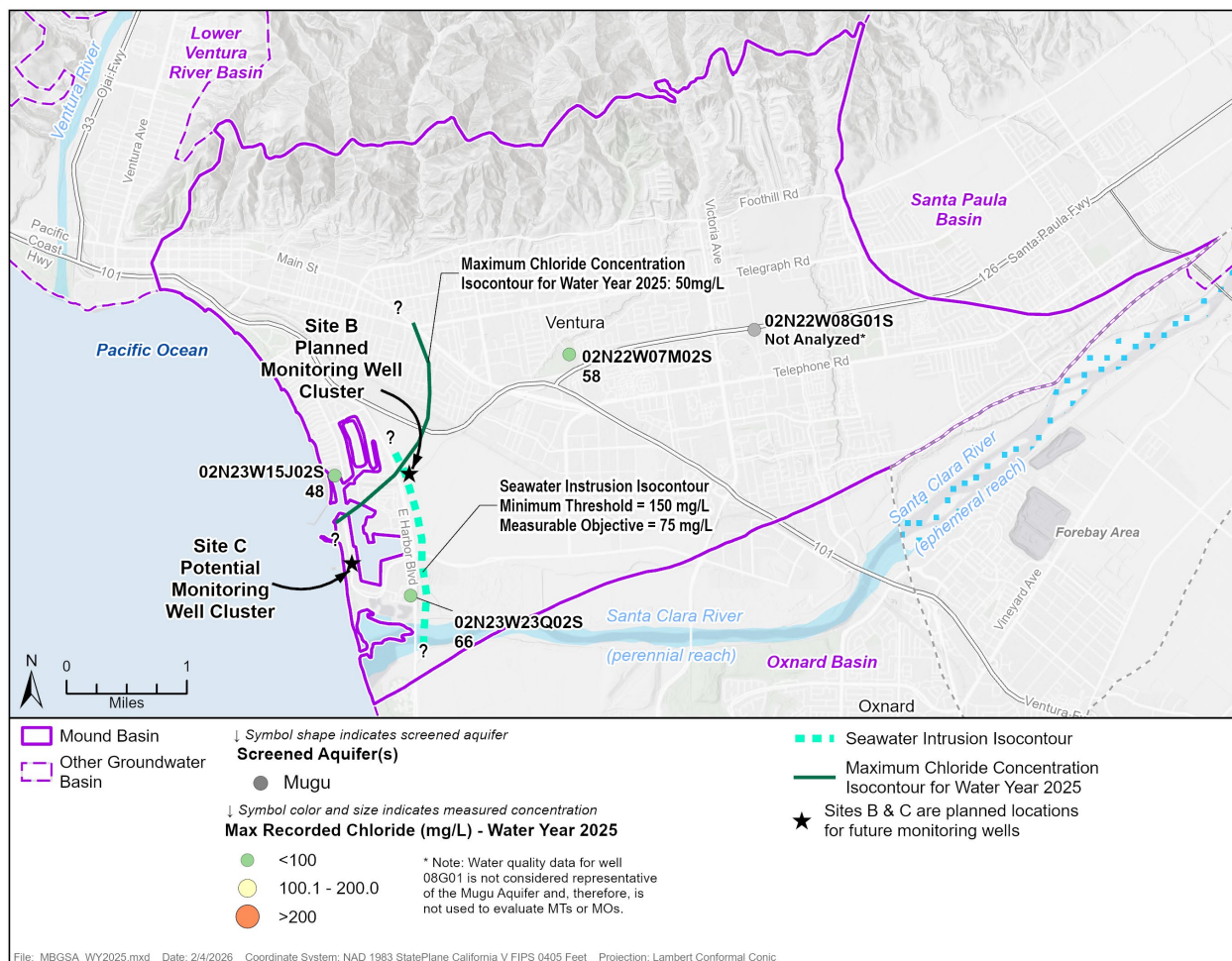


Figure 3.57 Map Showing Seawater Intrusion Minimum Threshold, Measurable Objective, and Chloride Isocontour, Mugu Aquifer, Water Year 2025

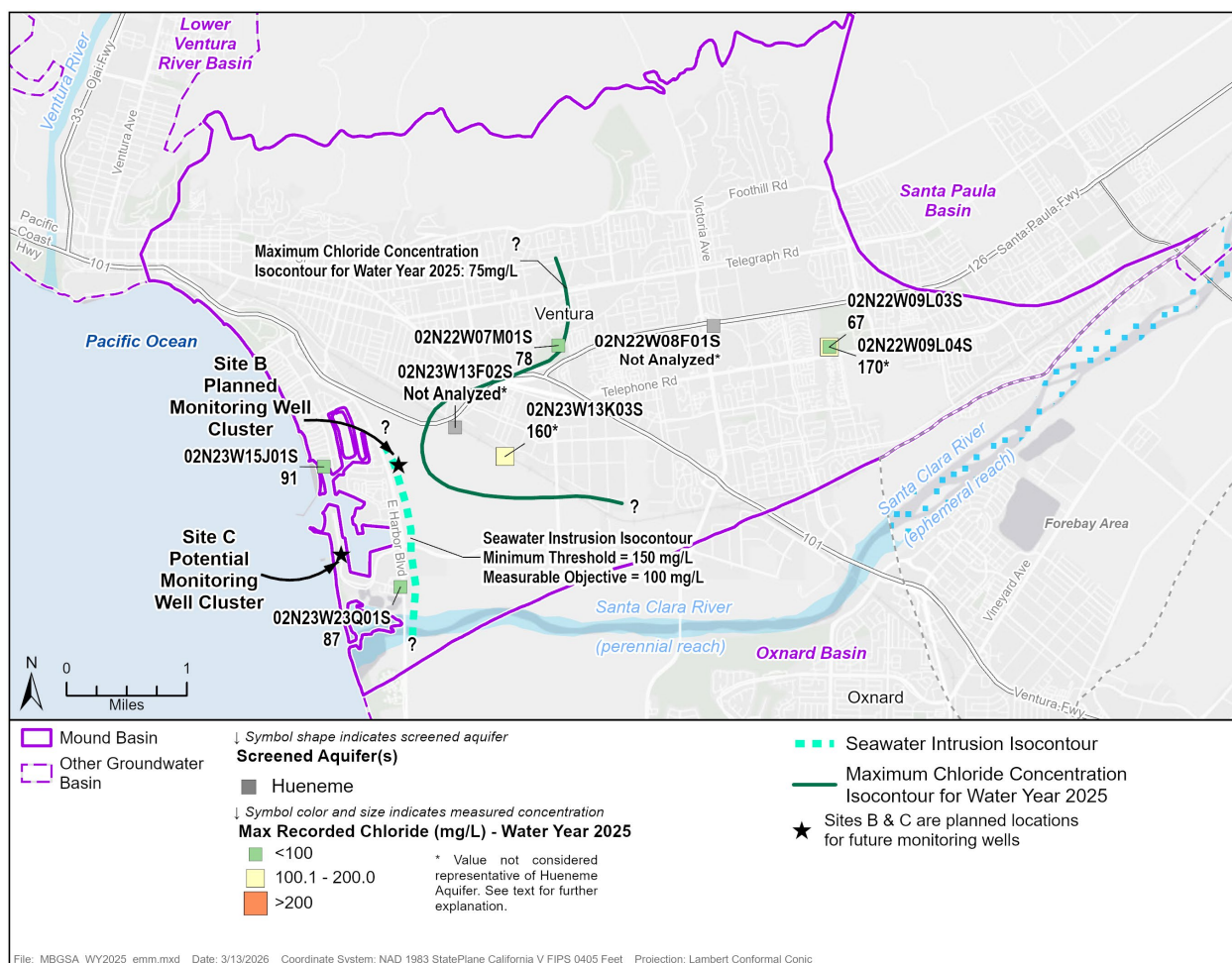


Figure 3.58 Map Showing Seawater Intrusion Minimum Threshold, Measurable Objective, and Chloride Isocontour, Hueneme Aquifer, Water Year 2025

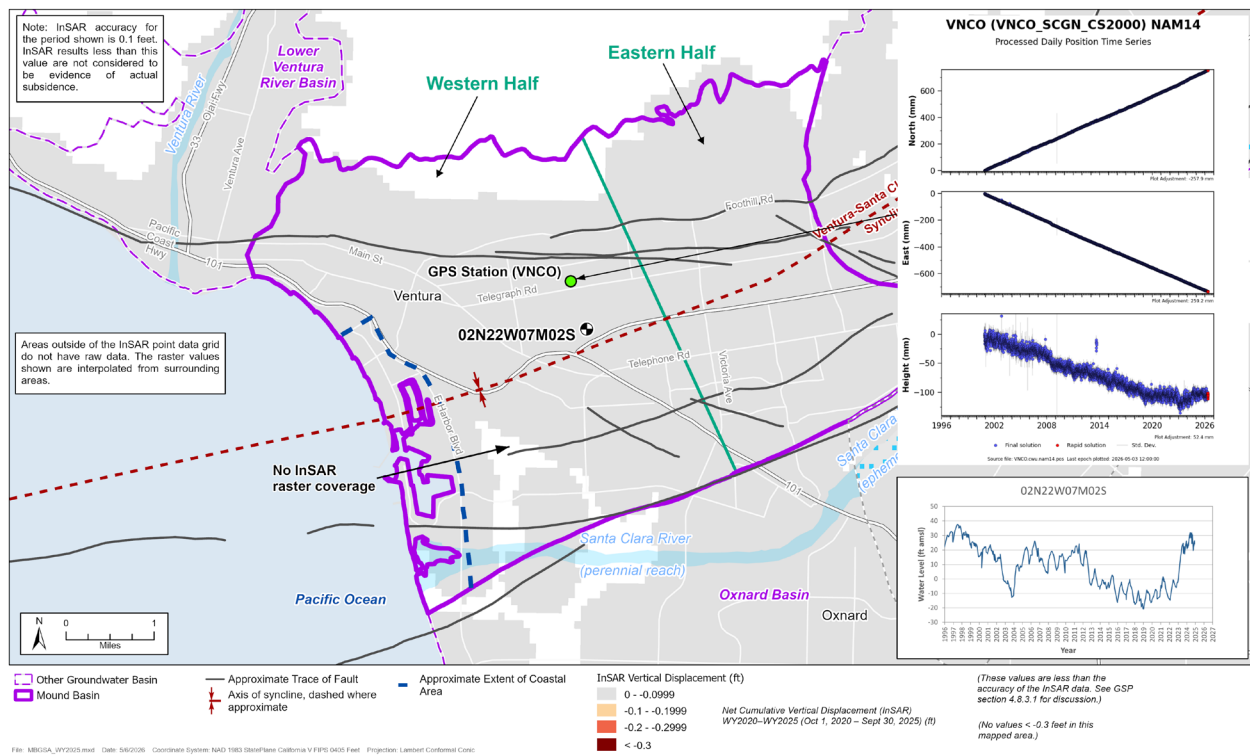


Figure 3.59 Subsidence Map for Mound Basin Between Water Years 2020 and 2025

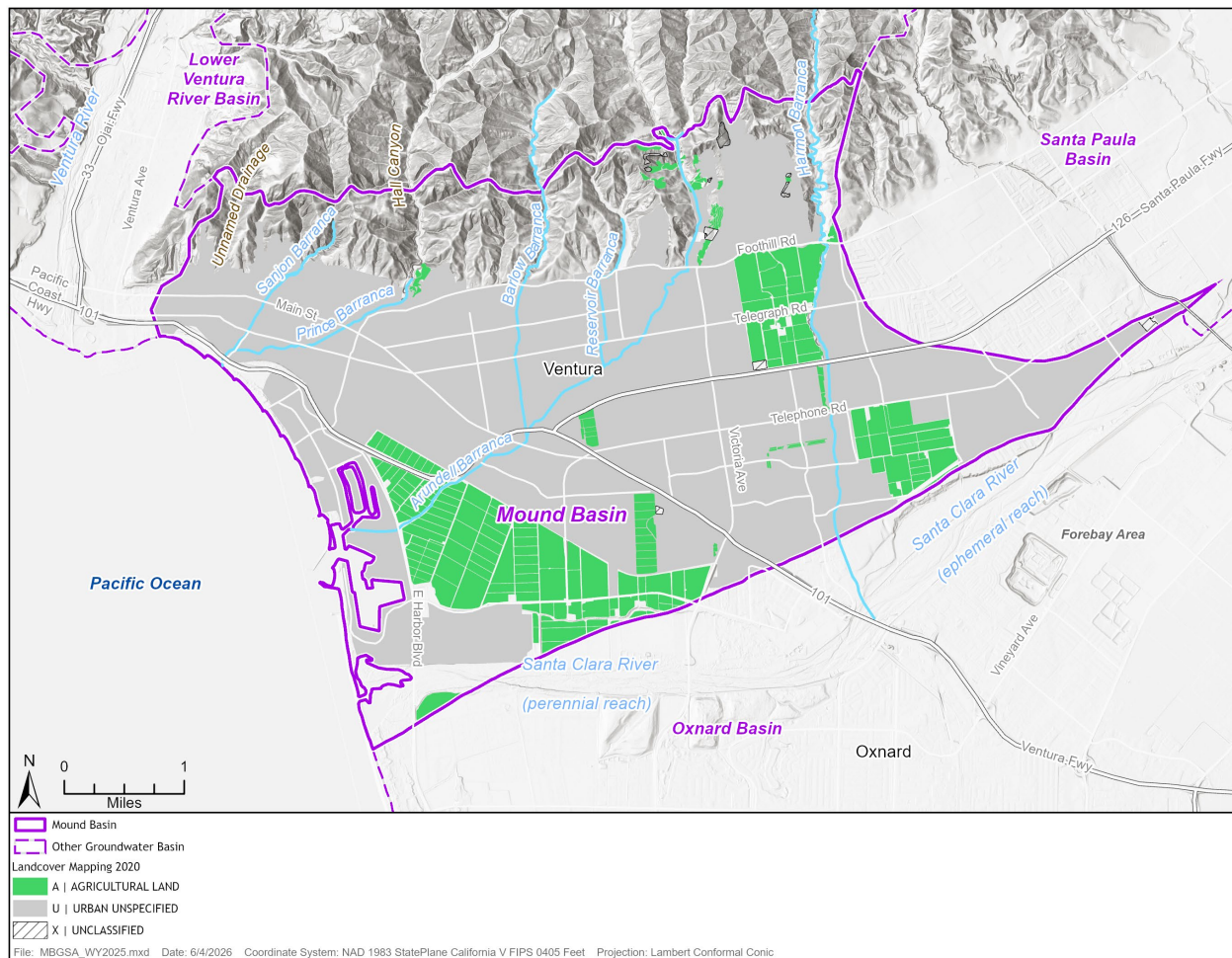


Figure 5.1 DWR Land Use Mapping (Water Year 2020)

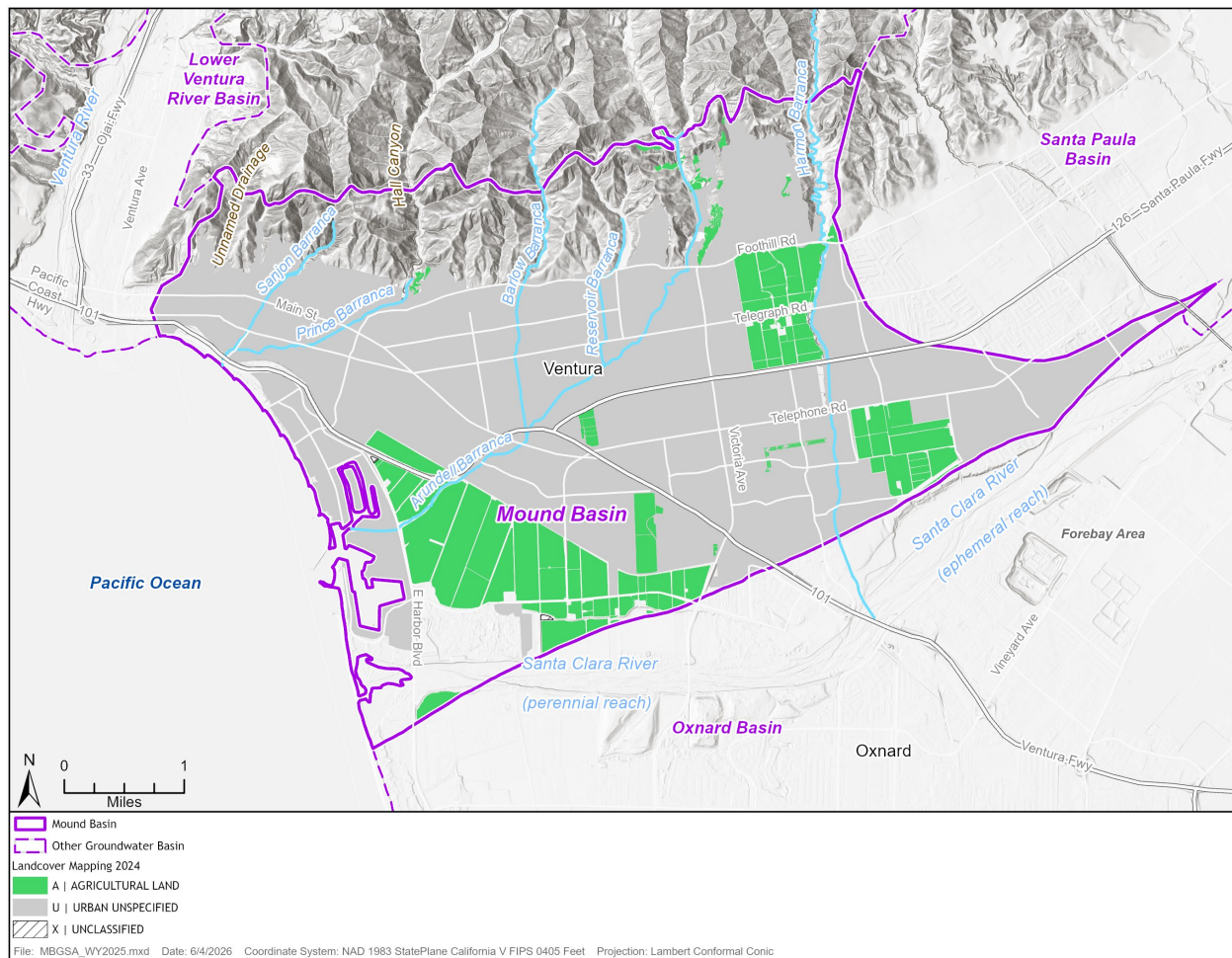


Figure 5.2 DWR Land Use Mapping (Water Year 2024)