

(USGS wells #93101 and #81001 and PWD wells 29 and 30), where water levels increased by tens of feet starting in 2023. These increases are likely due to the proximity of the parcel to the Littlerock Creek Recharge Project where recharge has occurred. Water levels in the closest hydrograph to the parcel (PWD Well 30, located about 0.25 miles to the east) decreased during 2015 to 2022 and then increased during 2023 and 2024. Water levels were slightly lower in 2025, but remained above pre-2022 levels. To the west, USGS Well #44401 and PWD Well 22 do not appear to be influenced by the Littlerock Creek recharge, but water levels have been relatively stable over the past five years.

The proposed production rate of about 46 AFY is lower than production rates in the nearby PWD production wells. The closest production wells to the parcel, PWD Wells 29 and 30, produced 75.82 and 193.88 AF, respectively, in 2024. The production of 93 AF at the Magnolia LP well over two years is not expected to cause significant water level decline or impact operations at the PWD wells.

This well is not in an area where subsidence has been observed. **Figure 4** shows the location of the parcel, APN #3023-006-067, relative to vertical displacement between 2015 to 2025. The parcel lies in an area where less than 0.1 feet (1.2 inches) of cumulative subsidence has occurred since 2015.

SUMMARY AND CONSIDERATIONS

Because Magnolia, LP will be required to pay a Replacement Water Assessment for production, there is no Material Injury associated with groundwater storage and sustainable yield. The New Production is not within the historical or current areas of inelastic land subsidence. Further, there is no expected impact to local water quality or recharge associated with this production.

With regard to water levels, local hydrographs do not indicate significant water level declines in this area. While this application is in the Central Antelope Subarea, local water levels have risen in recent monitoring events in response to recharge at Littlerock Creek in the South East Subarea. In addition, no local reports of water level declines have been brought to the attention of the Watermaster during production from this well to date. Todd Groundwater finds that the likelihood for Material Injury for this application is low. Todd Groundwater recommends this application for approval, on the condition that the applicant intervenes.

Sincerely,

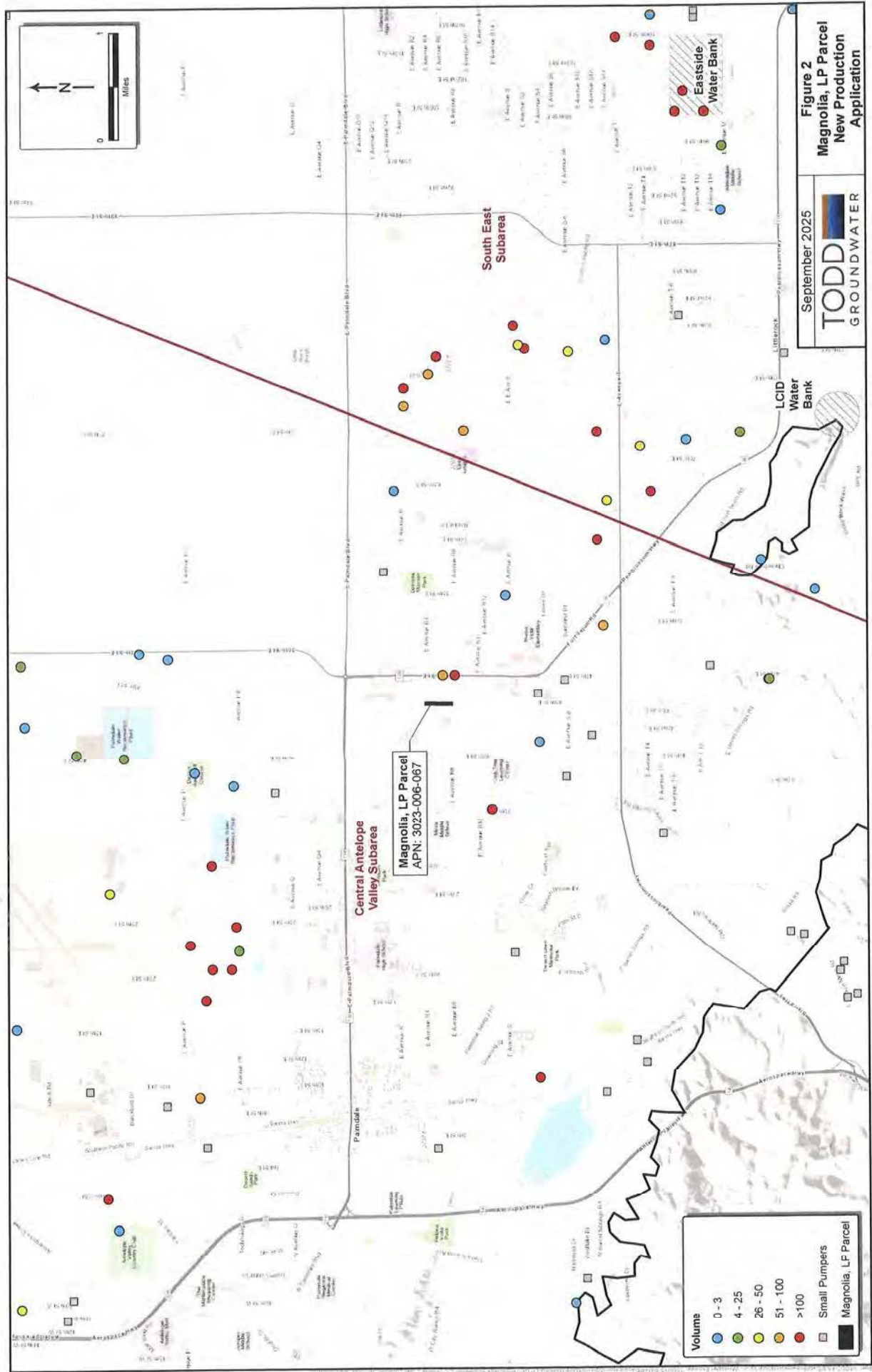


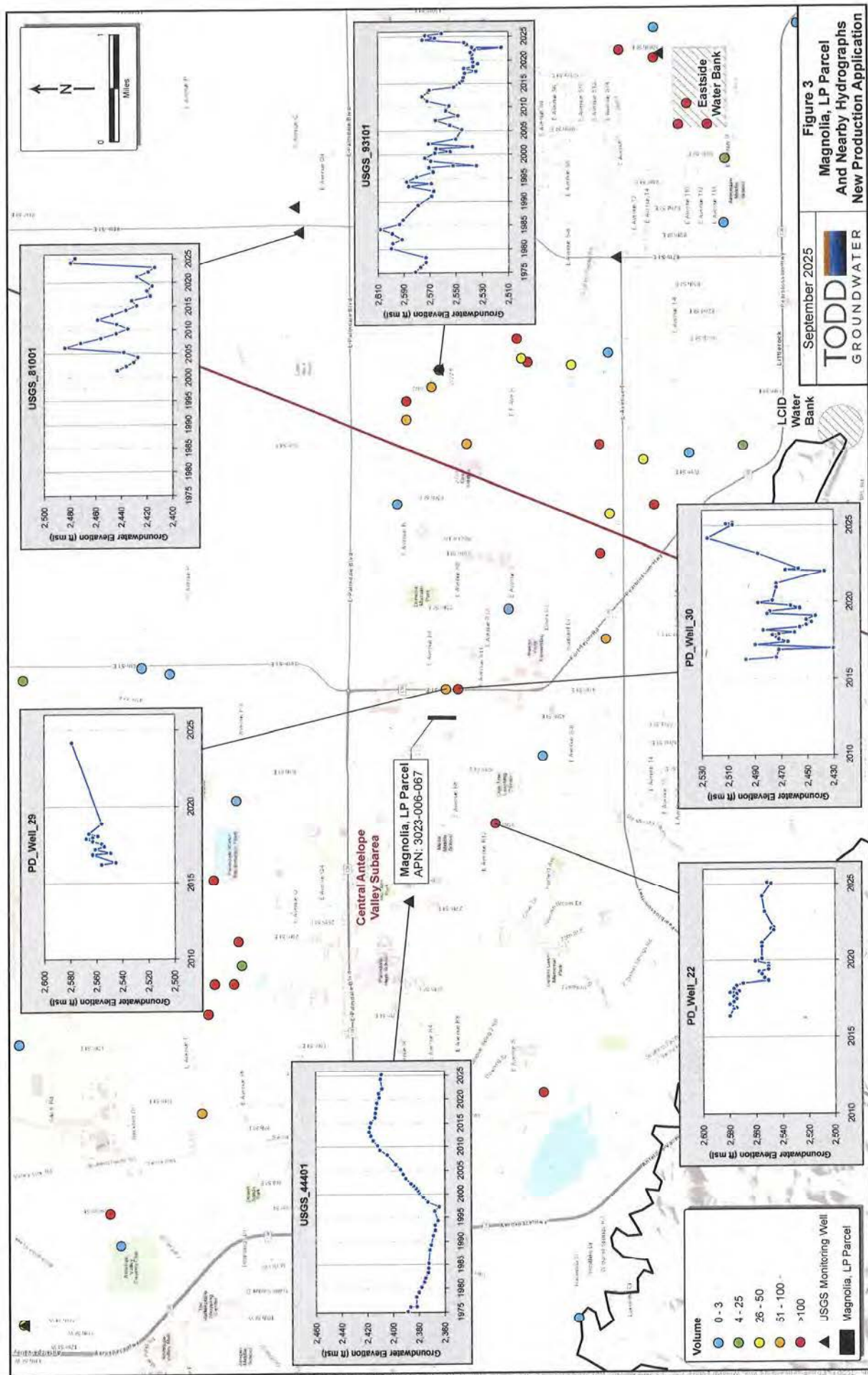
Maureen Reilly, P.E.

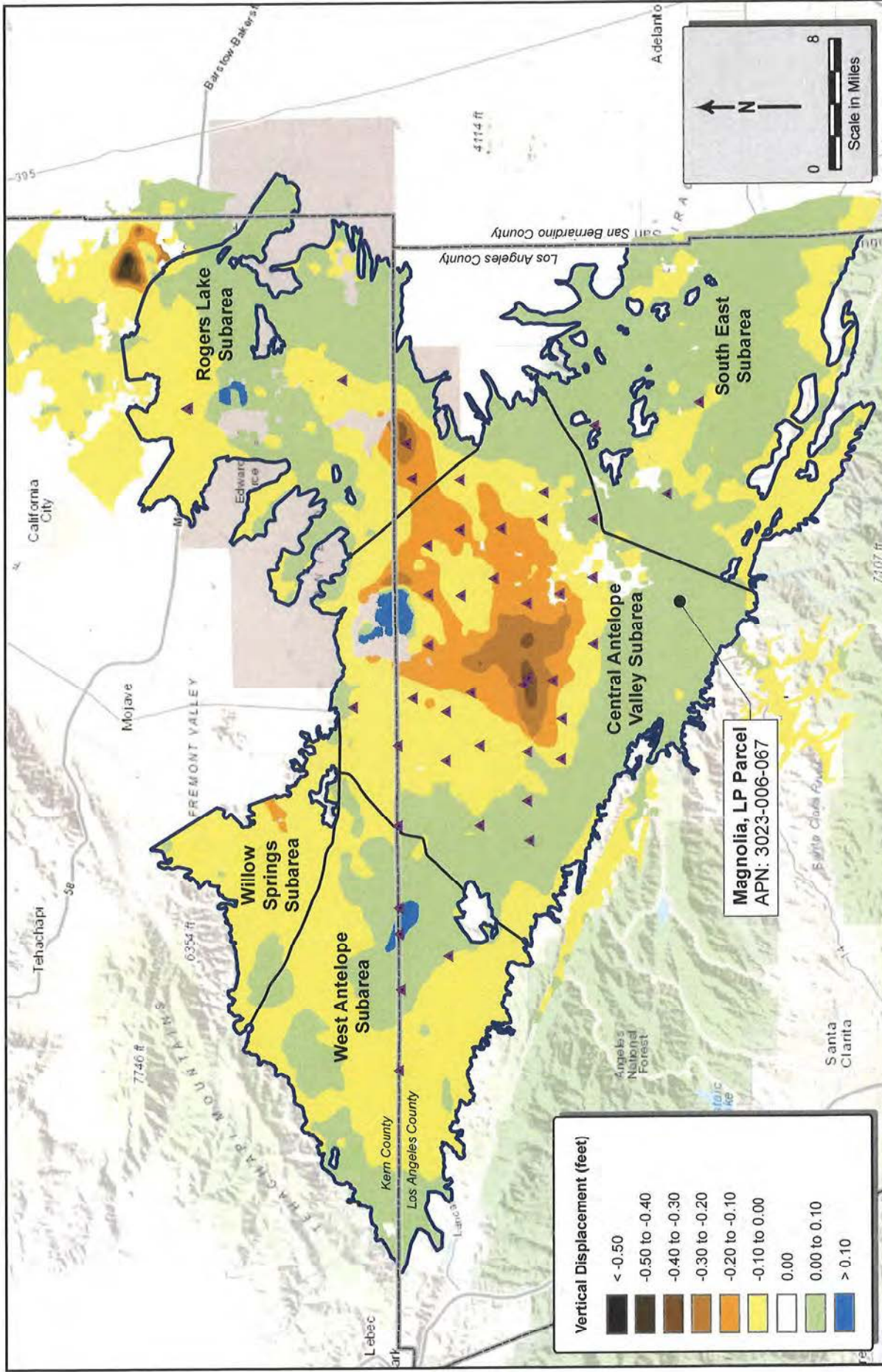
Todd Groundwater, Antelope Valley Watermaster Engineer



Arden Wells, P.G.







September 2025

TODD
GROUNDWATER

Figure 4
Magnolia Parcel and
Total Land Subsidence
(2015 - 2024)