

May 18, 2023

BCGSA Administrator's Update

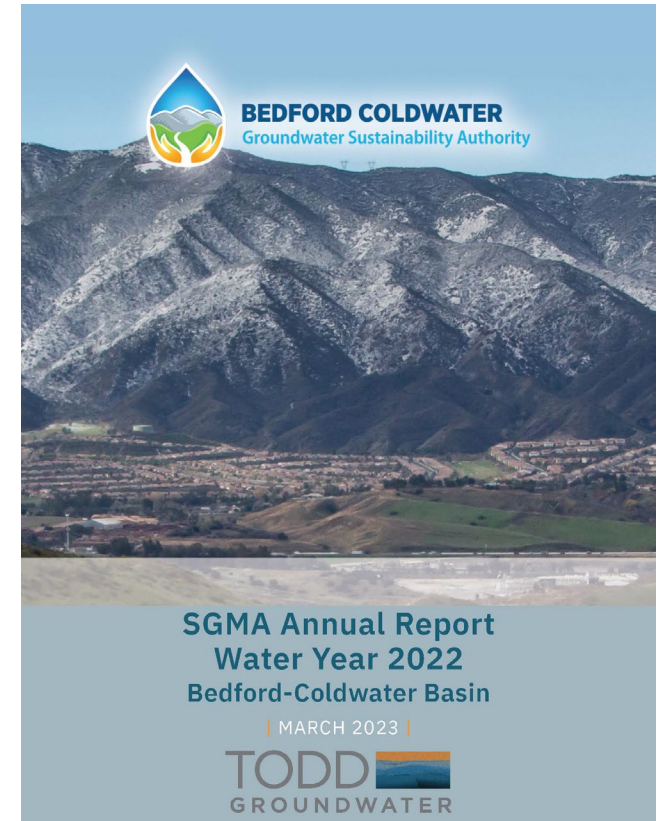


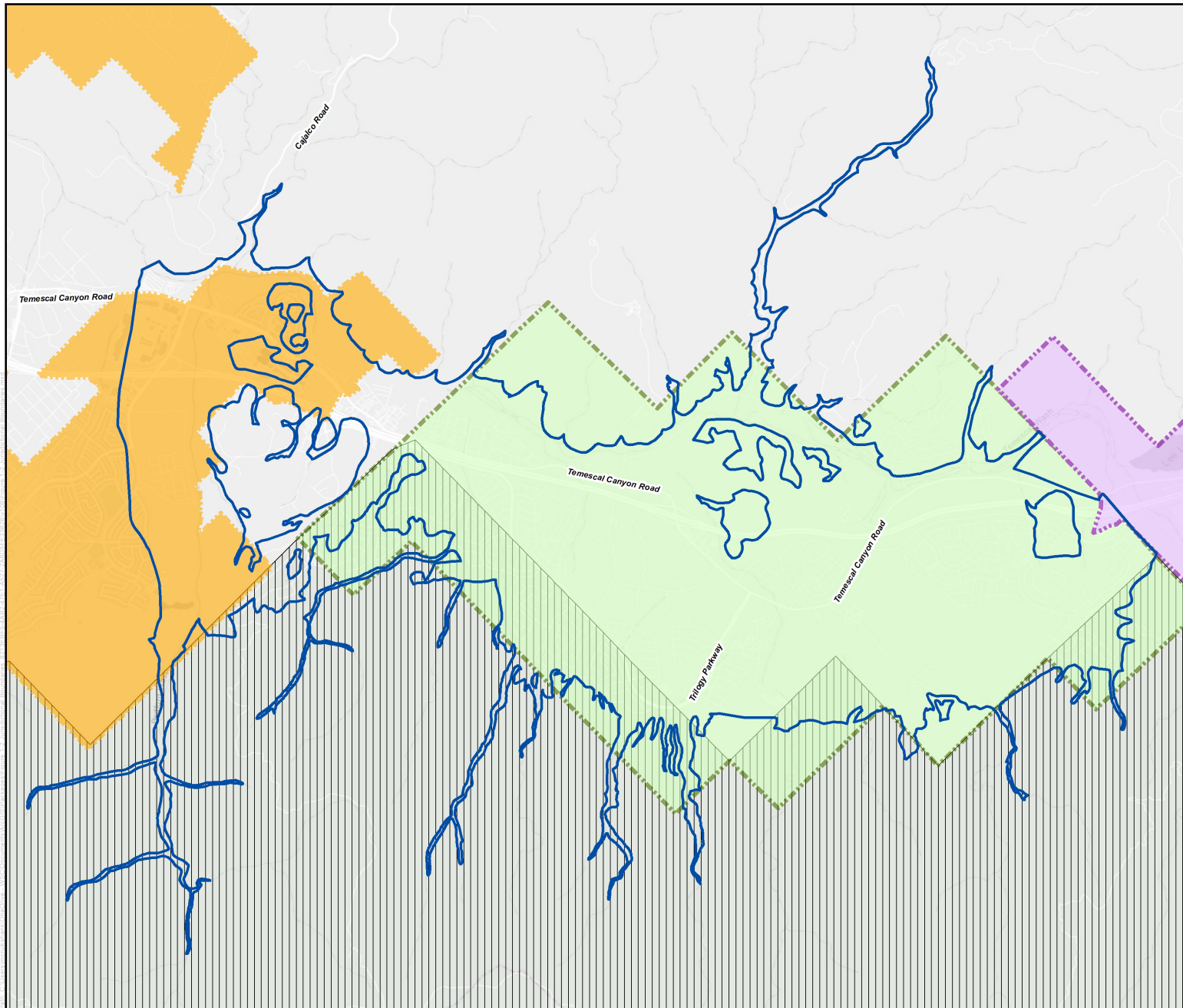
BEDFORD COLDWATER
Groundwater Sustainability Authority






Michael Cruikshank, PG, CHG

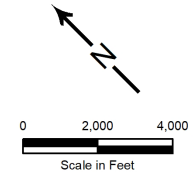
Annual Report Water Year 2022

- Annual Report was submitted to DWR in March 2023 fulfilling the SGMA requirements
- Annual Report documents water conditions including:
 - groundwater elevations and storage
 - water supplies and use
 - an updated water balance, and
 - groundwater sustainability progress for water year 2022.





-  Bedford-Coldwater Basin and Groundwater Sustainability Agency
-  City of Corona
-  Elsinore Valley Municipal Water District
-  Temescal Valley Water District (formerly Lee Lake WD)
-  US Forest Service Property



Path: T:\Projects\Corona Water Management As Needed.d6413\Water Year 2022 GSP Annual Report\GRAPHICS\Figure 2-1 Cumulative Departure of Precipitation.gpj

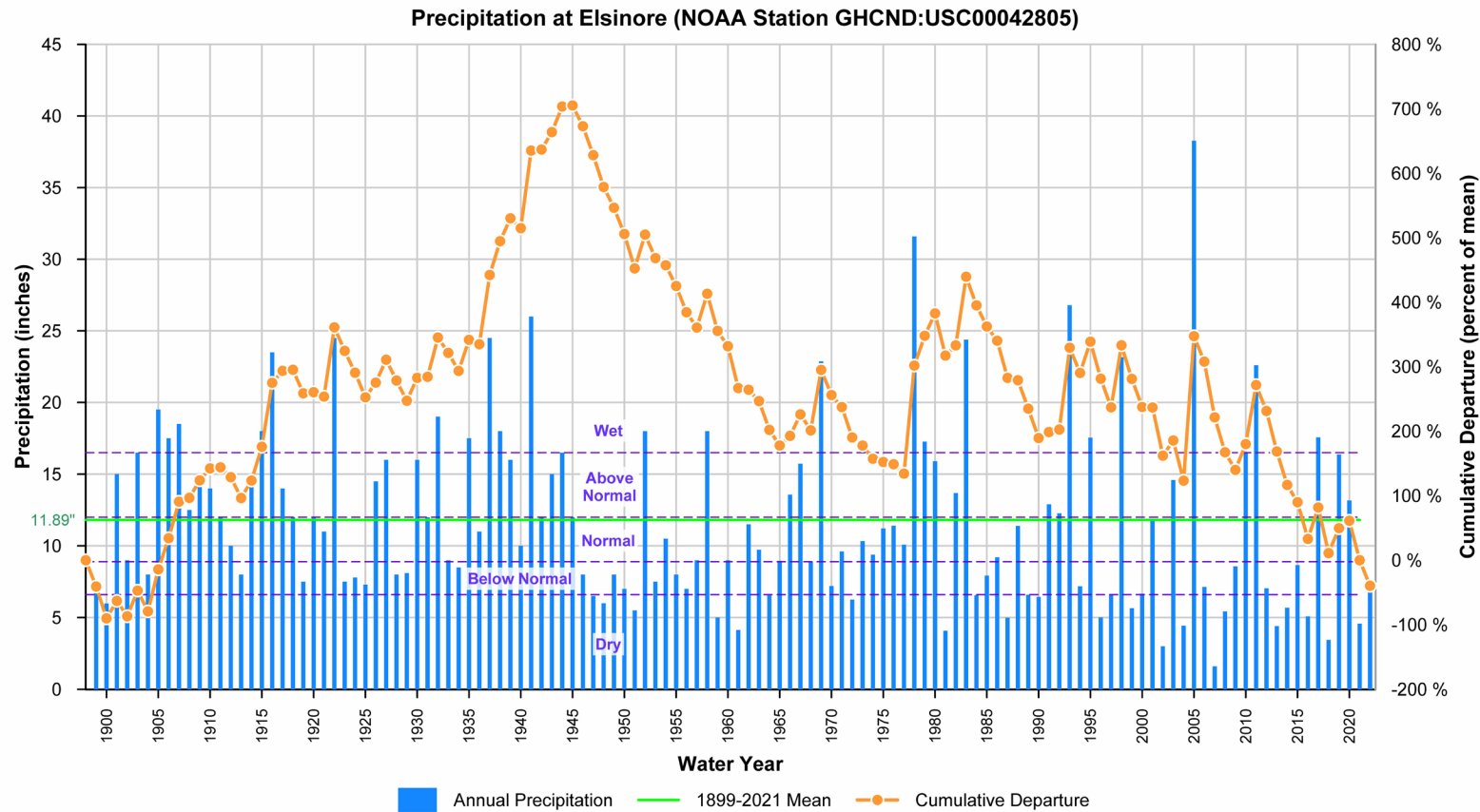






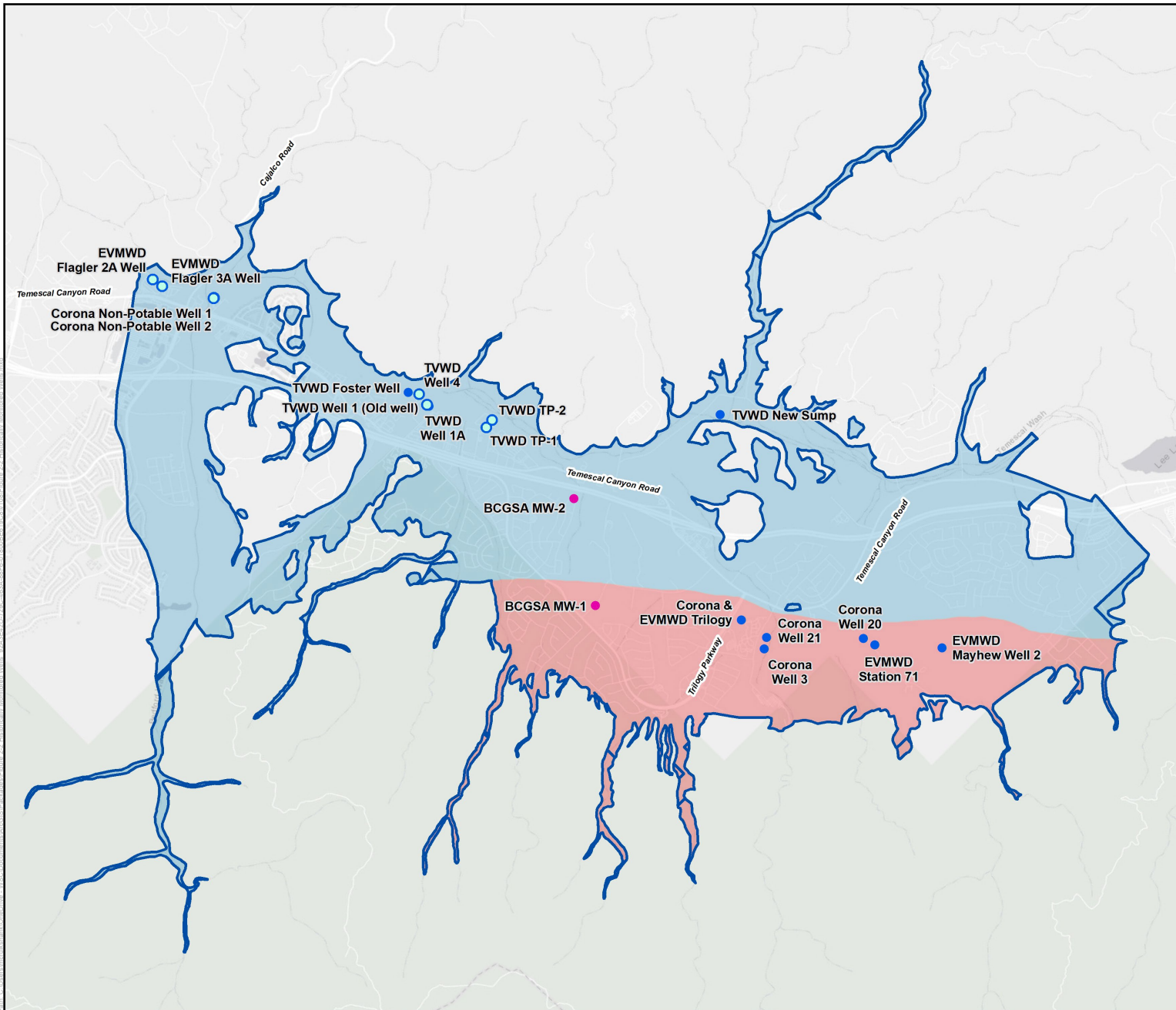


Figure 2-1
Cumulative Departure
of Annual Precipitation
at Lake Elsinore



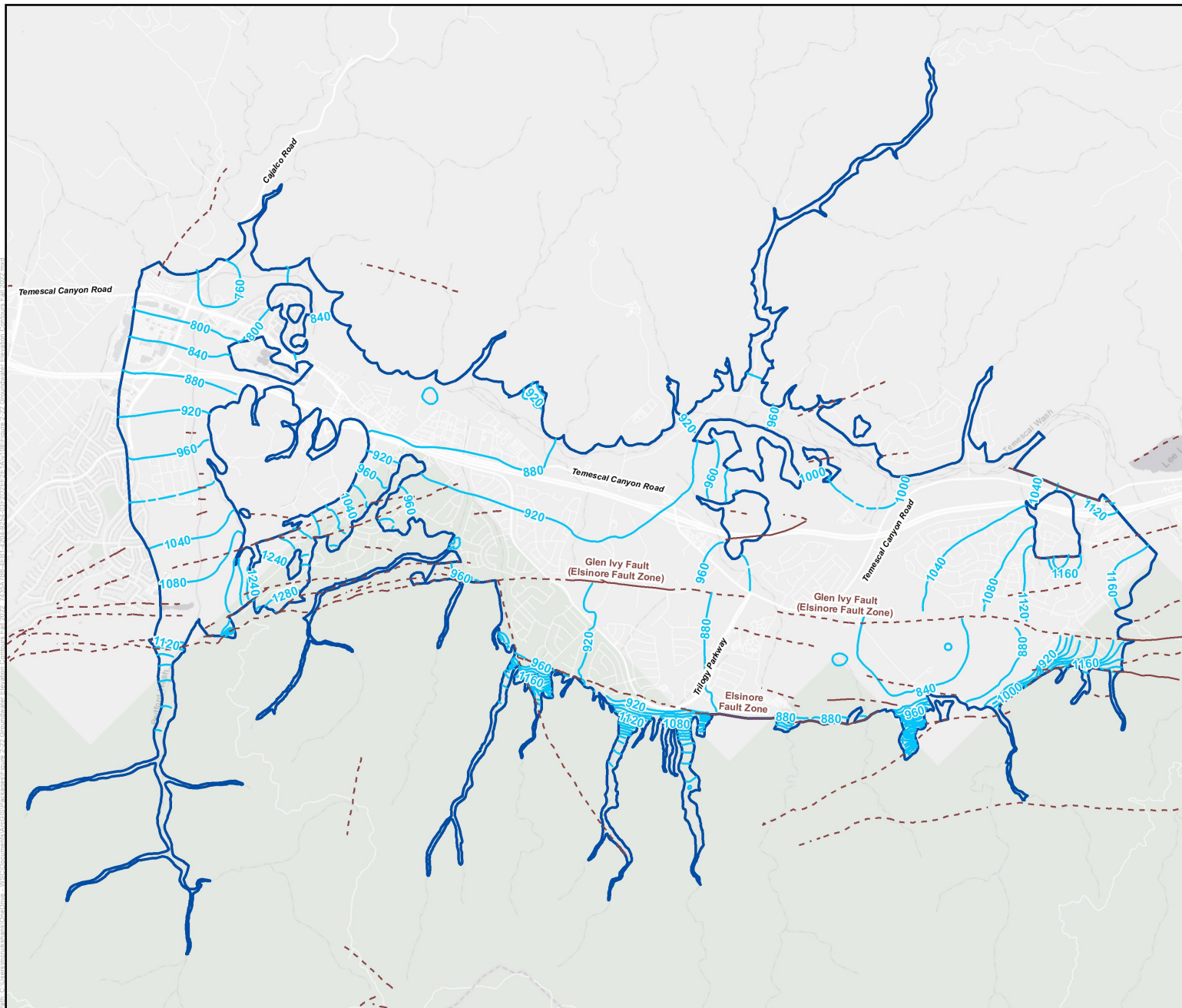
Sustainability Indicators

SUSTAINABILITY INDICATOR	 CHRONIC LOWERING OF GROUNDWATER LEVELS	 REDUCTION OF GROUNDWATER STORAGE	 WATER QUALITY DEGRADATION	 LAND SUBSIDENCE	 INTER-CONNECTED SURFACE WATER DEPLETIONS	 SEAWATER INTRUSION
<p>Annual Sustainability Assessment</p>	<p>Compile water level data and compare elevations in Key Wells with minimum threshold(s)</p>	<p>Estimate groundwater storage change and compare elevations in Key Wells with minimum threshold(s)</p>	<p>Compile and review water quality data from all sources</p>	<p>Download and review InSAR data from DWR</p>	<p>Review depth to water at interconnected surface water Key Wells/locations</p>	<p>Chloride Concentration Isocontour</p>

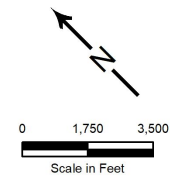


- Water Level Key Well
- Water Level Monitoring Well
- Water Level and Interconnected Surface Water Key Well
- Bedford-Coldwater Basin
- Bedford Management Area
- Coldwater Management Area

Figure 2-2
Water Level and
Interconnected Surface
Water Monitoring Wells

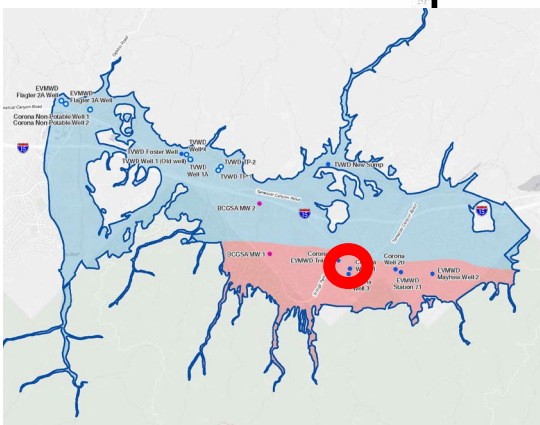
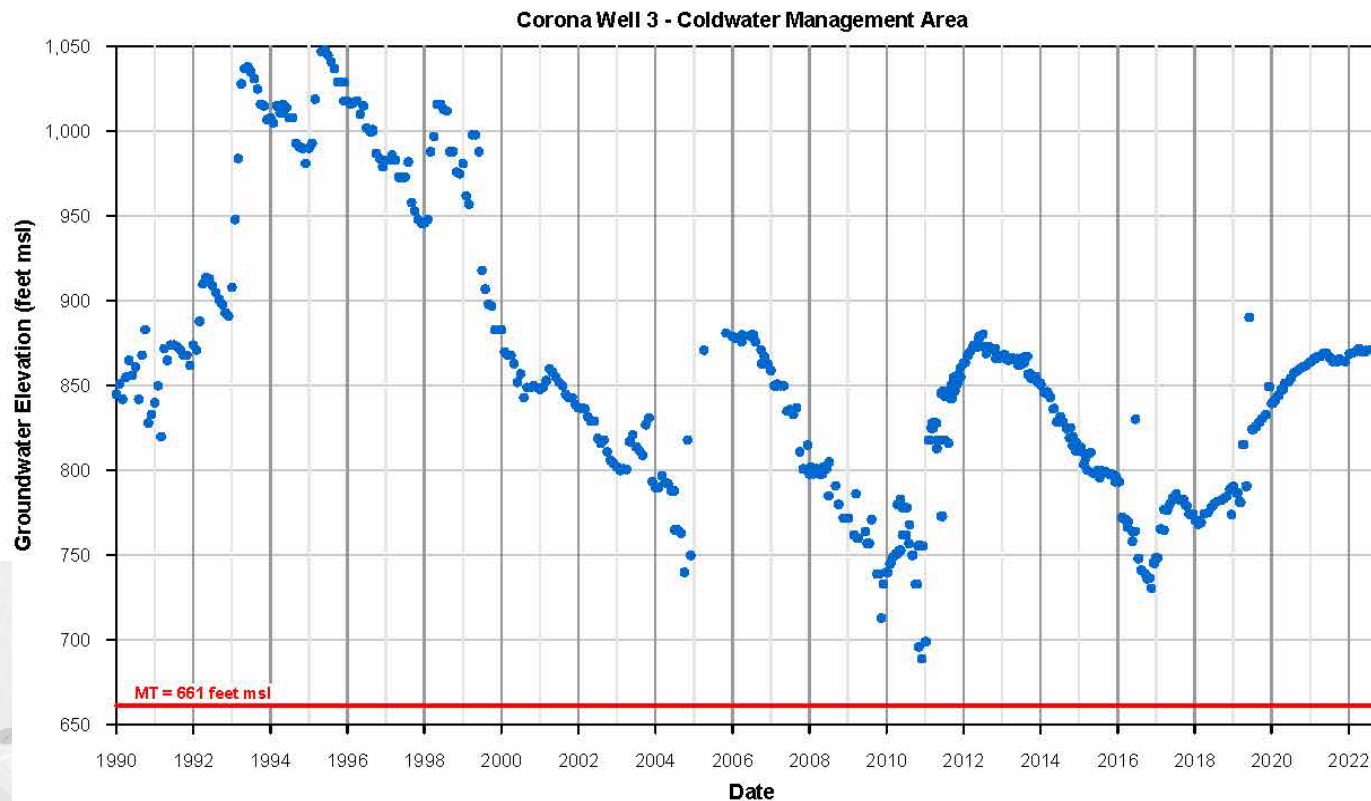


- 40-foot groundwater elevation contours, feet msl
- Fault Location, dashed where uncertain
- Bedford-Coldwater Basin





Representative Groundwater Levels



- Groundwater Measurement (feet msl)
- Minimum Threshold for Water Level (feet msl)

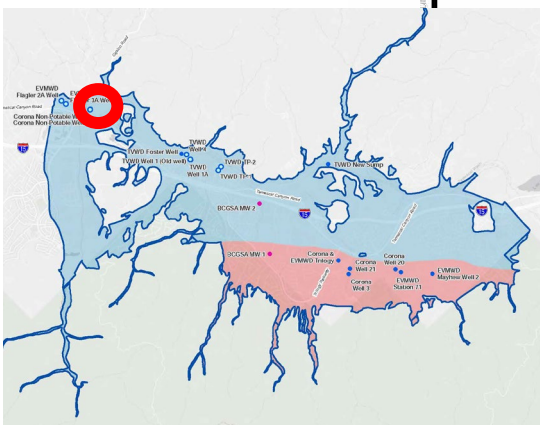
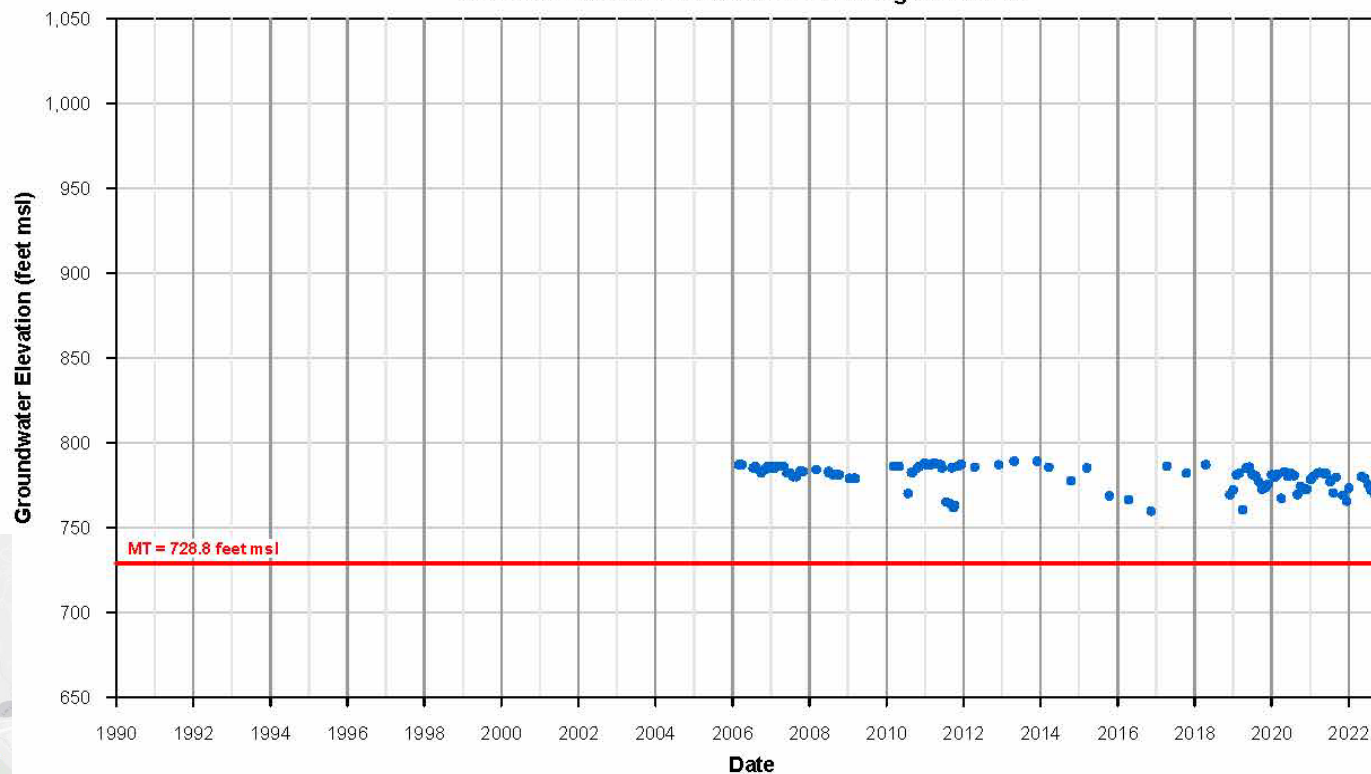


Figure 2-5
Corona Well 3
Hydrograph



Representative Groundwater Levels

Corona Non-Potable Well 2 - Bedford Management Area



msl: 2510 Corona Non-Potable Well 2 (Hydrograph).gpx

msl: 2510 Corona Non-Potable Well 2 (Hydrograph).gpx

- Minimum Threshold for Water Level (feet msl)
- Groundwater Measurement (feet msl)

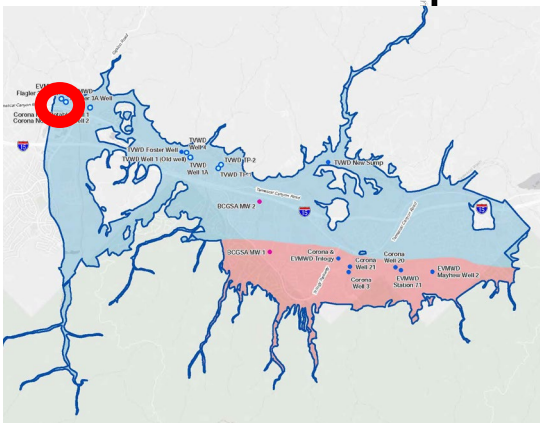
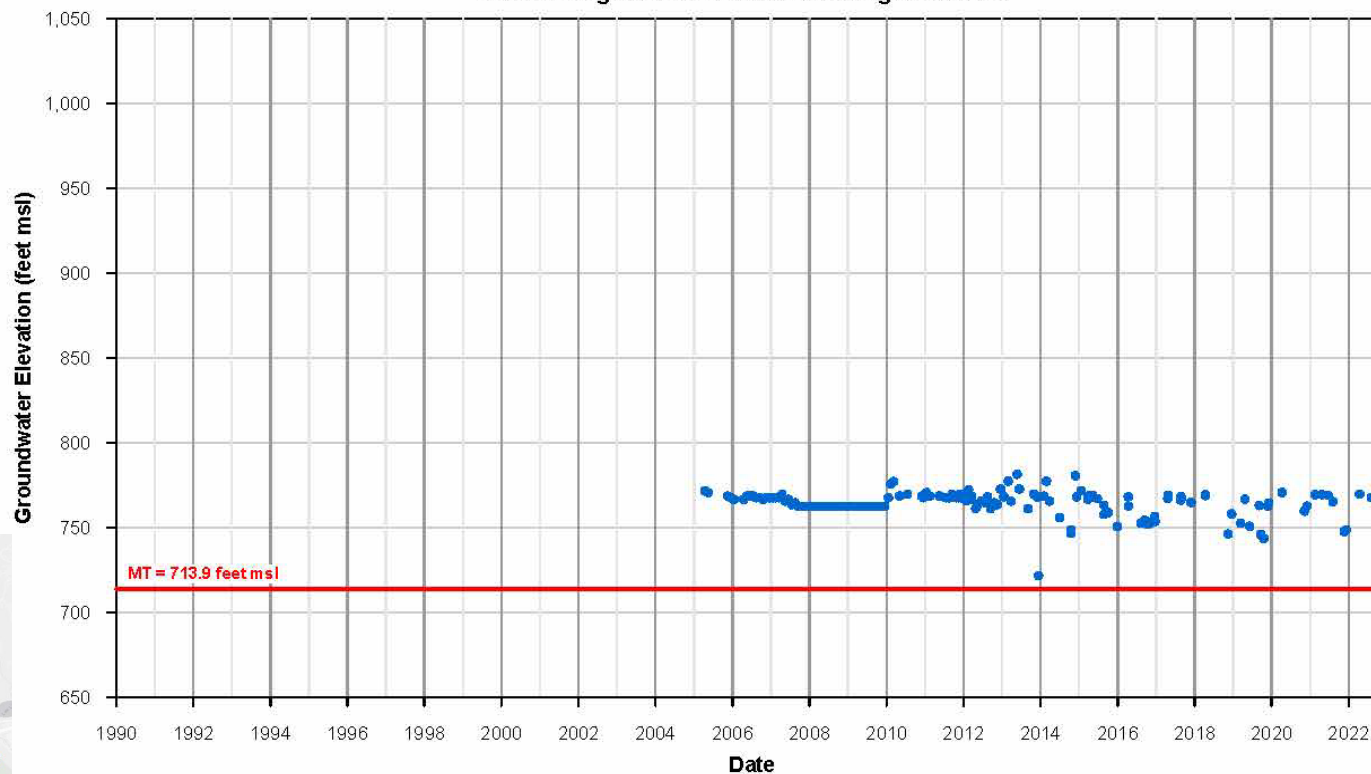


Figure 2-10
Corona Non-Potable
Well 2
Hydrograph



Representative Groundwater Levels

EVMWD Flagler 2A Well - Bedford Management Area



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03/28/2023

- Minimum Threshold for Water Level (feet msl)
- Groundwater Measurement (feet msl)



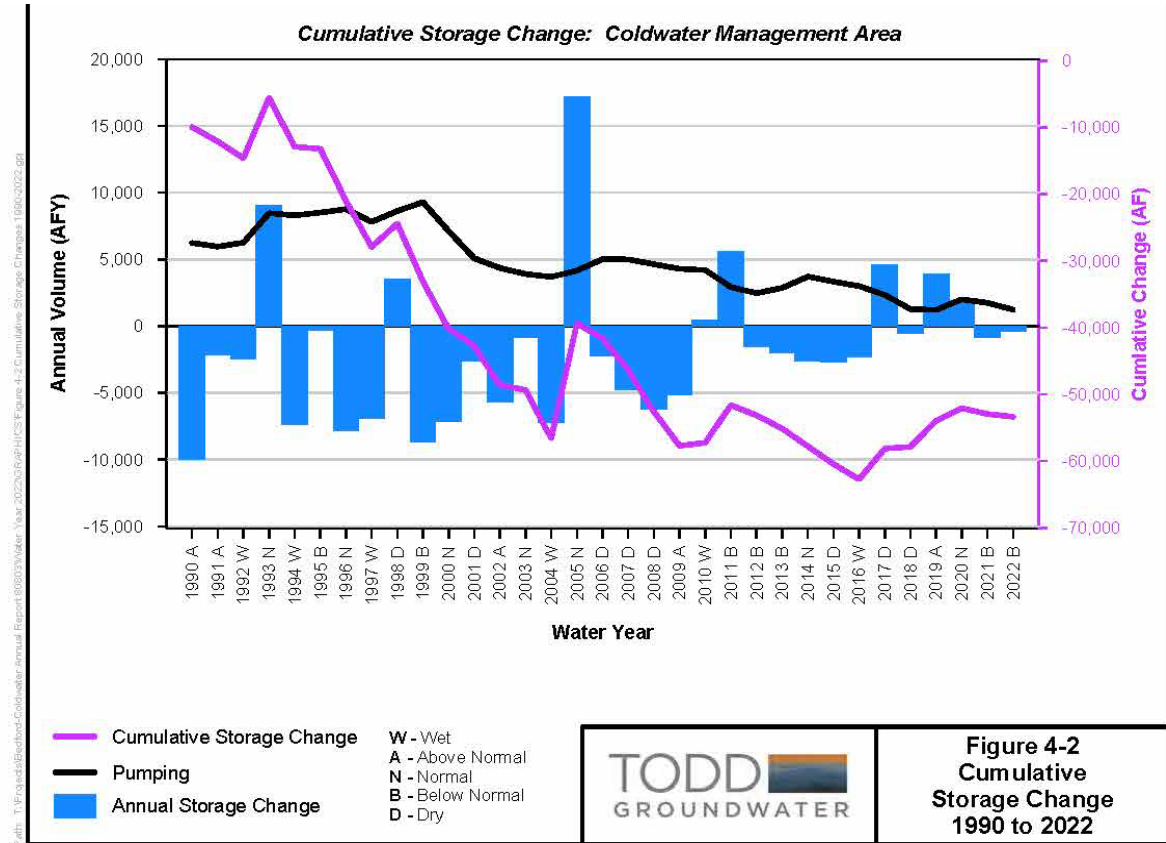
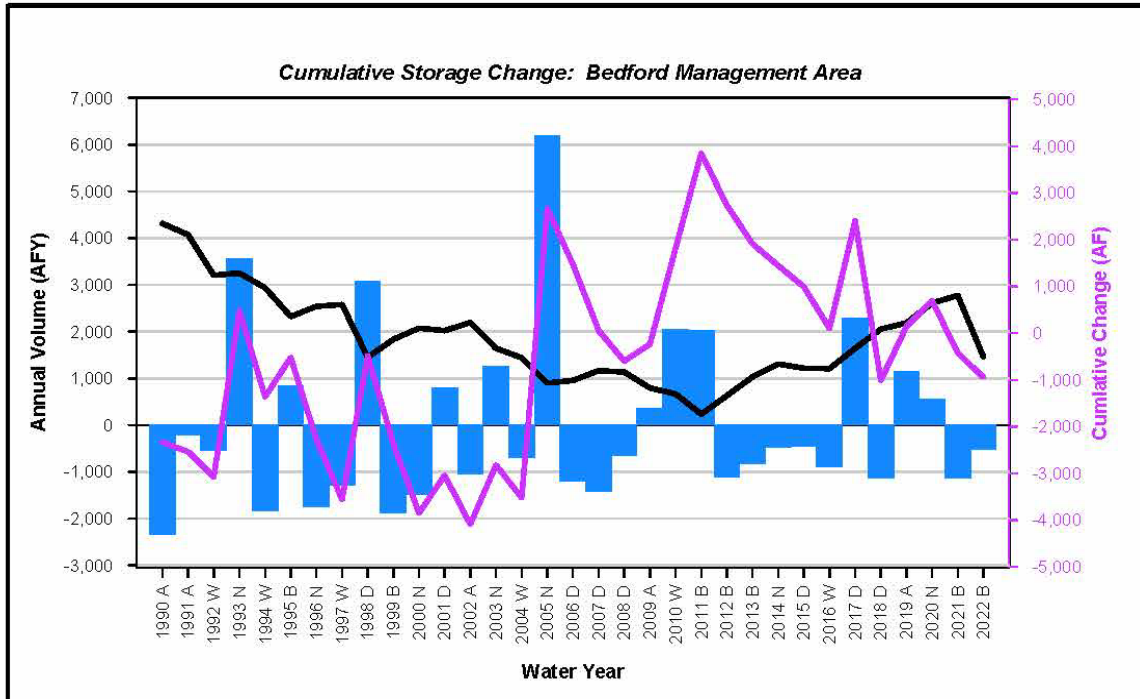
Figure 2-11
EVMWD Flagler 2A Well
Hydrograph

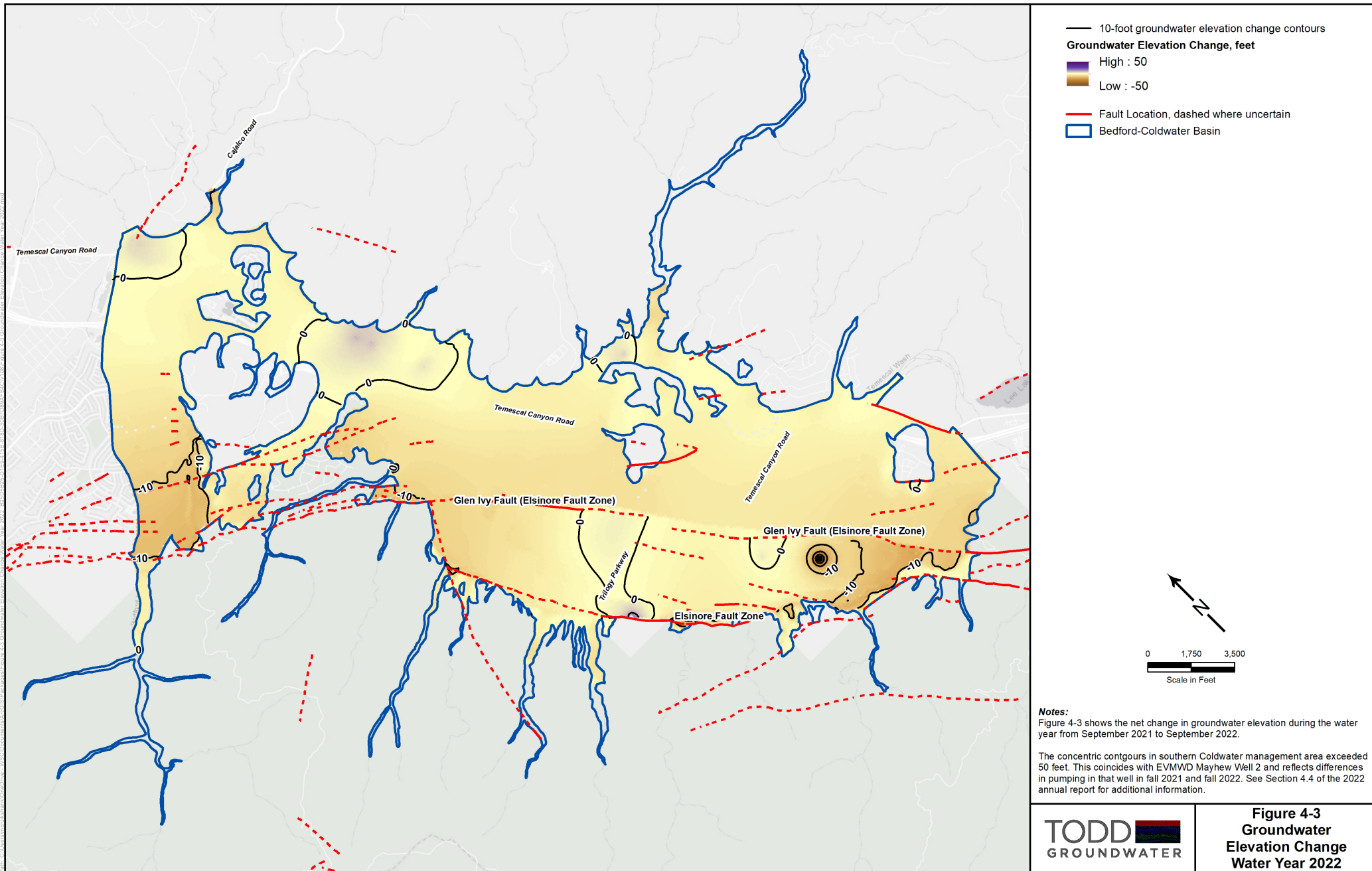


Storage Change



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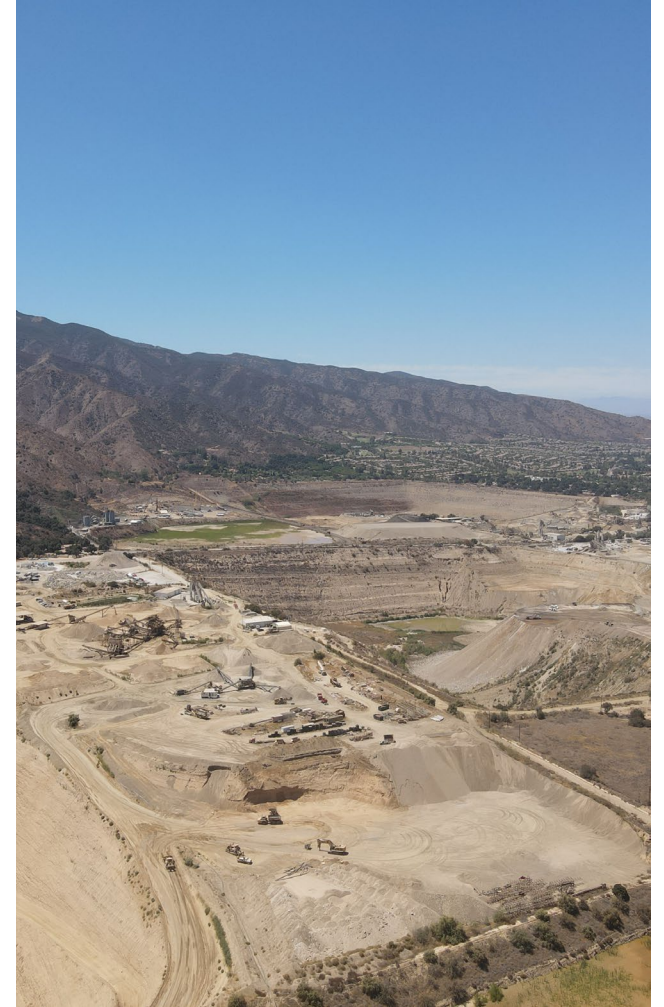






Projects and Management Actions

- **Project 1** – Investigate Groundwater/Surface Water Interaction at Temescal Wash and Install Monitoring Wells.
 - Initiated Phase 1 with Rincon at the February Board Meeting
- **Project 2** – Initiate a Survey of Active Private Wells.
 - Private Well Survey In Progress
- **Project 3** – Evaluation of the Effects of Aggregate Pits on Groundwater Flow and Quality
 - Technical Memorandum describing general mining water use to fill data gap in GSP in progress





Projects and Management Actions

- **Action 1** – Provide for Collection, Compilation, and Storage of Information Required for Annual Reports and Submit Annual Reports
- **Action 2** – Routinely Record Groundwater Levels and Take Action if Necessary
- **Action 3** – Monitor Selected Groundwater Quality Constituents and Coordinate with the Regional Water Quality Control Board as Appropriate
- **Action 4** – Track Trends in Groundwater Levels near Temescal Wash and Take Action as Necessary
- **Action 5** – Review Interferometric Synthetic Aperture Radar (InSAR) Data on the California Department of Water Resources (DWR) Data Viewer During 5-Year Updates





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