



Cosumnes Subbasin (5-022.16)

South American Subbasin (5-021.65)

Eastern San Joaquin Subbasin (5-022.01)

<u>Notes</u>

1. All locations are approximate.

Sources

1. Basemap is ESRI's ArcGIS Online world topographic map, obtained 8 March 2023.

2. DWR groundwater basins are based on the boundaries defined in California's Groundwater Bulletin 118 - Final Prioritization, dated February 2019.



environment & water

Cosumnes Groundwater Subbasin

Cosumnes Groundwater Authority

Cosumnes Subbasin March 2023

C20149.01

Figure AR-1

Abbreviations DWR = California Department of Water Resources



Well with Fall 2021 GWE •

Abbreviations DWR = California Department of Water Resources ft NAVD 88 = feet above the North American Vertical Datum of 1988

\diamond RMW-WL

Fall 2021 GWE (ft NAVD 88)

Groundwater Subbasin



GWE = Groundwater Elevation RMW-WL = Representative Monitoring Well for Chronic Lowering of Groundwater Levels

<u>Notes</u> 1. All locations are approximate.

Sources

- 1. Basemap is ESRI's ArcGIS Online world topographic map, obtained 9 March 2023.
- 2. DWR groundwater basins are based on the boundaries defined in California's Groundwater Bulletin 118 - Final Prioritization, dated February 2019.





[•] Well with Spring 2022 GWE

RMW-WL

Spring 2022 GWE Contour (ft NAVD88)

Groundwater Subbasin



Cosumnes Subbasin (5-022.16)

GWE = Groundwater Elevation RMW-WL = Representative Monitoring Well for Chronic Lowering of Groundwater Levels

<u>Notes</u> 1. All locations are approximate.

Sources

- 1. Basemap is ESRI's ArcGIS Online world topographic map, obtained 9 March 2023.
- 2. DWR groundwater basins are based on the boundaries defined in California's Groundwater Bulletin 118 Final Prioritization, dated February 2019.



Abbreviations DWR = California Department of Water Resources ft msl = ft above the North American Vertical Datum of 1988



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Legend		
Cosumines Subbasin (5-022, 16)		
Groundwater Sustainability Agency		
Amador County Groundwater Management Authority		
City of Galt		
Clay Water District		
Galt Irrigation District		
Omochumne-Hartnell Water District		
Sacramento County		
Sloughhouse Resource Conservation District		
County Line		
—— Major Stream		
Folsom South Canal		
RMW-WL		
 Groundwater Elevation 		
Ground Surface Elevation		
MT		
MO		
2027 Interim Milestone		
Water Year Type		
Wet		
Above Normal		
Rolow Normal		
Delow Normal		
Dry		
Critical		
Abbreviations		
ft NAVD88 = feet above the Vertical Datum of 1988		
GWE = groundwater elevation		
MO = Measurable Objective MT = Minimum Threshold		
RMW-WL = Representitive Monitoring Well for Chronic Lowering		
of Water Levels		
1. All locations are approximate.		
2. See Figure AR-4b for RMW-WL11 through RMW-WL19.		
 Fail 2021 water levels were not measured in RMW-WL4. Spring 2022 water levels were not measured in RMW-WL3. 		
5. Since about 2015, the trend seems to have increased relative to		
the longer-term historical trend.		
N		
(Scale in Miles)		
Representative Monitoring Well		
- Hydrographs		
Cosumnes Groundwater Authority Cosumnes Subbasin		
March 2023		
Tigure AR-4a		







ath: X:\C20149.01\Map\03\Figure AR-4. Hydrograp



Groundwater Sustainability Agency	Total Estimated Extractions (AF)
Amador County Groundwater Management Authority	1,700
City of Galt ^(a)	4,600
Clay Water District	8,200
Galt Irrigation District	57,700
Omochumne-Hartnell Water District	6,900
Sacramento County	15,400
Sloughhouse Resource Conservation District	44,800
Total	139,300

<u>Notes</u>

(a) City of Galt CSA includes 4,400 AF of metered extractions and about 200 AF of estimated extractions.



Groundwater Subbasin

DWR = California Department of Water Resources GMA = Groundwater Management Authority



Cosumnes Subbasin (5-022.16)

Groundwater Sustainability Agency

Amador County GMA

City of Galt

Clay WD

Galt ID

Omochumne-Hartnell WD

Sacramento County

Sloughhouse RCD

RCD = Resource Conservation District WD = Water District

<u>Notes</u> 1. All locations are approximate.

Sources

1. Basemap is ESRI's ArcGIS Online world topographic map, obtained 9 March 2023.

2. DWR groundwater basins are based on the boundaries defined in California's Groundwater, Bulletin 118 - 2018.









Subsidence Monitoring Station

ft = feet

Fall 2021 GWE (ft NAVD 88)

Groundwater Subbasin



Cosumnes Subbasin (5-022.16)

TRE Altamira InSAR Vertical Displacement WY 2022



ft NAVD 88 = feet above the North American Vertical Datum of 1988 GWE = Groundwater Elevation SGMA = Sustainable Groundwater Management Act

<u>Notes</u>

1. All locations are approximate.

2. TRE Altamira InSAR data displayed shows October 2021 through October 2022.

Sources

1. Basemap is ESRI's ArcGIS Online world topographic map, obtained 3 March 2023.

2. DWR groundwater basins are based on the boundaries defined in California's Groundwater Bulletin 118 - Final Prioritization, dated February 2019.

3. GPS subsidence monitoring data and Vertical Displacement data are from the SGMA Data Viewer: https://sgma.water.ca.gov/webgis/appid=SGMADataViewer#currentconditions

4. GWE contours from Figure AR-2. N 0 3 6 (Scale in Miles) Cosumes Groundwater Authority Cosumnes Subbasin March 2023 C20149.01 Figure AR-8