

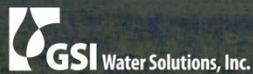
Paso Robles Subbasin GSP

WY2020 Annual Report

March 17, 2021

Presented to:

Paso Basin Cooperative Committee
and the Groundwater Sustainability Agencies



Presentation Outline

- DWR Regulations and Process
- Groundwater Elevations
- Groundwater Extractions
- Surface Water Use
- Total Water Use
- Change in Groundwater in Storage
- Progress toward Meeting Basin Sustainability

**DWR
Process
and
Regulations
(§ 356.2)**

“Each Agency shall submit an annual report to the Department by April 1 of each year following the adoption of the Plan.”

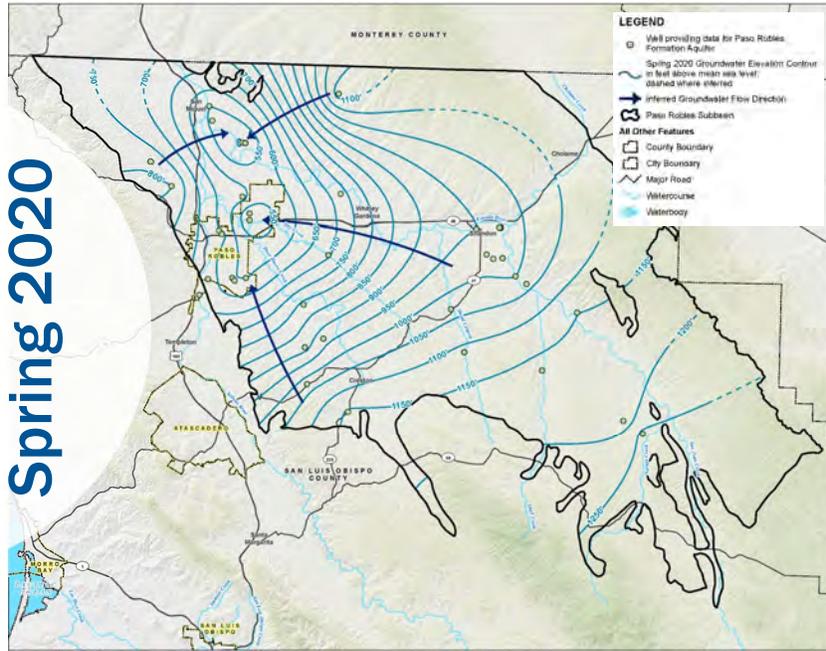
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**Groundwater
Elevations
(§ 356.2[b][1])**

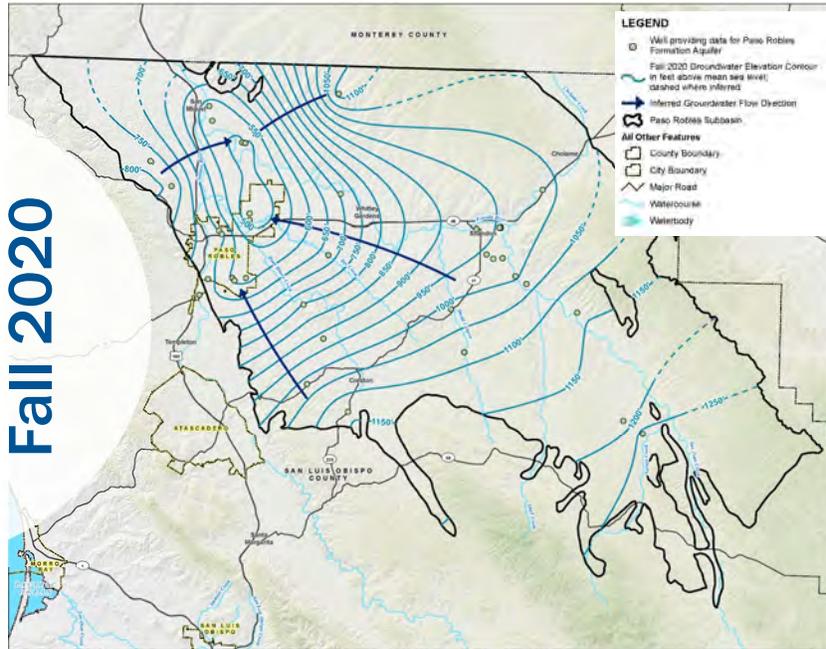
- Paso Robles Formation Aquifer
- Seasonal High and Low (Spring and Fall 2020) Contour Maps
- Hydrographs

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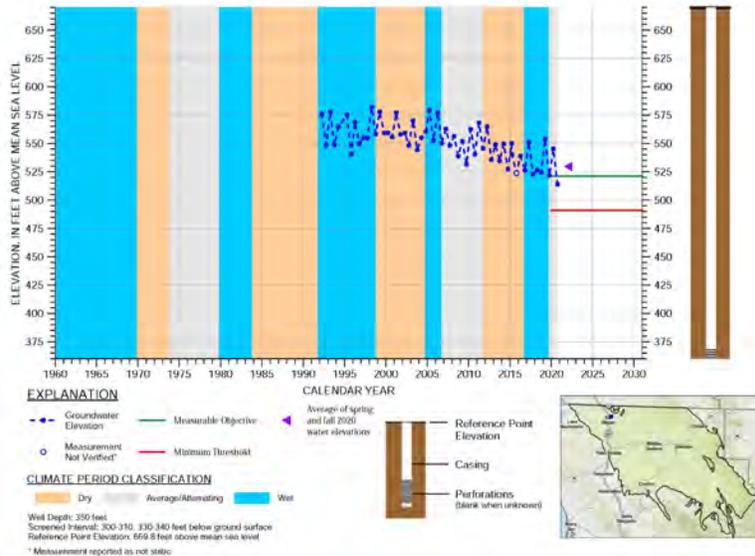
Spring 2020



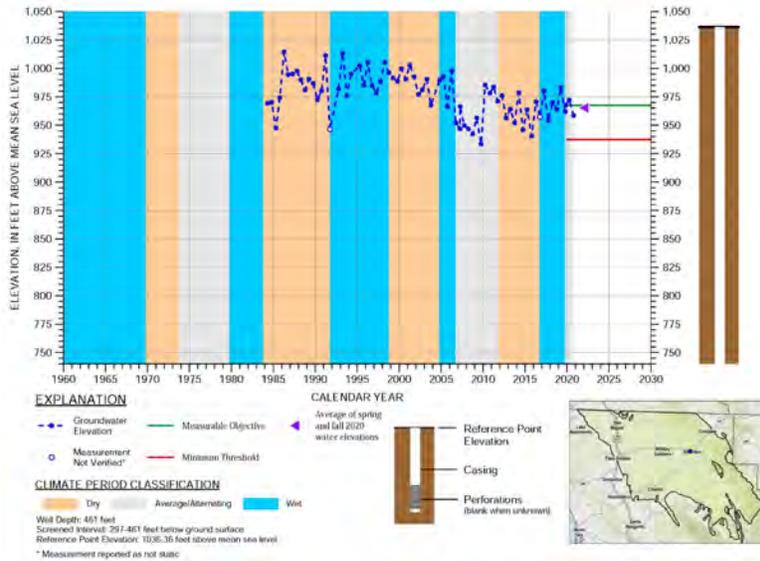
Fall 2020



25S/12E-16K05



26S/15E-20B04



**Groundwater
Extractions
(§ 356.2[b][2])**

- Metered Municipal Well Production
- Estimated Agricultural Extraction
- Estimated Rural Domestic and Small Public Water System Extraction

Total Groundwater Extractions

Water Year	Groundwater Extractions by Water Use Sector			Total (AF)
	Municipal (AF)	PWS and Rural Domestic (AF)	Agriculture (AF)	
2020	1,509	5,060	60,700	67,300

**Surface
Water Use
(§ 356.2[b][3])**

- Surface Water Available for Use
- Total Surface Water Use

Surface Water Use

Surface Water Available for Use

Water Year	Nacimiento Water Project (AF)	State Water Project (AF)	Total Available Surface Water (AF)
2020	6,488	100	6,588

Total Surface Water Use

Water Year	Nacimiento Water Project (AF)	State Water Project (AF)	Total Surface Water Use (AF)
2020	737*	0	737

*The City of Paso Robles also used 804 AF of NWP water in the Atascadero Subbasin.

Total Water Use
 (§ 356.2[b][4])

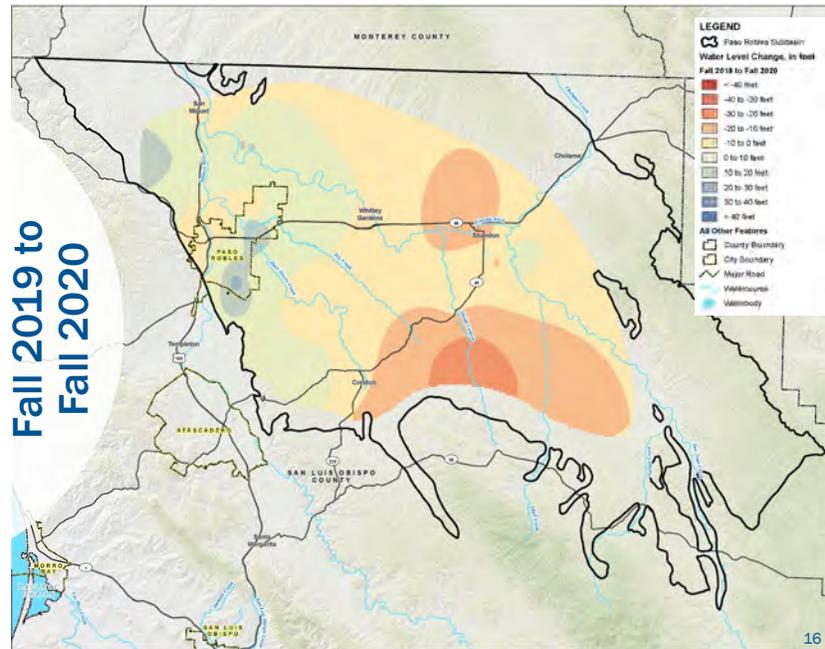
- Total Annual Water Use by Source
- Total Annual Water Use by Water Use Sector

Total Water Use

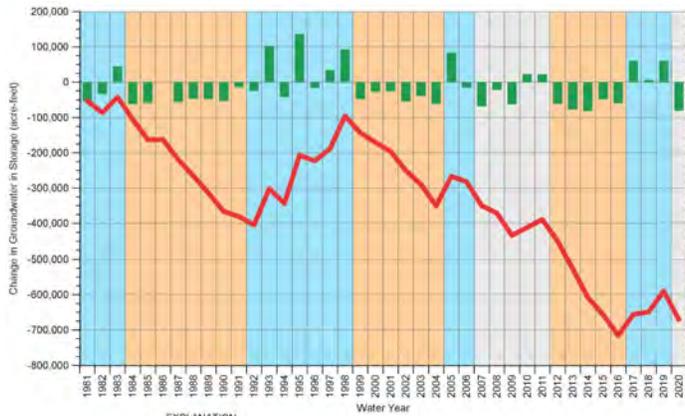
Water Year	Municipal (AF)		PWS and Rural Domestic (AF)	Agriculture (AF)	Total (AF)
	Groundwater	Surface Water	Groundwater	Groundwater	
2020	1,509	737	5,060	60,700	68,000

Change in Groundwater in Storage (§ 356.2[b][5])

- Annual Changes in Groundwater Elevation
- Annual and Cumulative Change in Groundwater in Storage Calculations



Annual and Cumulative Change in Groundwater in Storage



EXPLANATION
— Cumulative Change in Groundwater Storage ■ Annual Change in Groundwater Storage

CLIMATIC PERIOD CLASSIFICATION
 Dry Average/Alternating Wet

Water Year	Annual Change (AF)
2020	-80,800

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Progress toward Meeting Basin Sustainability (§ 356.2[c])

- Subbasin Conditions:
 - Declining Groundwater Elevations
 - Decline of Groundwater in Storage
- Projects and Management Actions Goals:
 - Reduce Groundwater Pumping
 - Achieve Groundwater Sustainability by 2040

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Projects and Management Actions

- Basin-Wide Management Actions and Projects
 - Extension of Water Neutral New Development Program (temporary measure)
 - Paso Basin Aerial Groundwater Mapping Study

Projects and Management Actions

- Area-Specific Projects
 - Expand Alluvial Aquifer Monitoring Network and Install New Stream Gages (SEP)
 - City of Paso Robles and San Miguel CSD Recycled Water Projects
 - Blended Water Project
 - Stormwater Capture and Recharge Projects
 - City of Paso Robles Municipal Stormwater Program
 - SSJWD/EPCWD Stormwater Capture and Recharge Feasibility Study

Projects and Management Actions

- Area-Specific Projects (cont'd)
 - Expand Monitoring Well Network
 - SLOFCWCD Initiative to Expand the Monitoring Well Network on Public Properties
 - SSJGSA Program to Expand the Monitoring Well Network
 - EPCWD Program to Expand the Monitoring Well Network
 - Expansion of Salinas Dam & Ownership Transfer

Questions?

Paso Robles Subbasin GSP

First Annual Report Revisions

(WYs 2017, 2018, & 2019)

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Revised Total Water Use

Water Year	Municipal (AF)		PWS and Rural Domestic (AF)	Agriculture (AF)	Total (AF)
	Groundwater	Surface Water	Groundwater	Groundwater	
2017	4,235	1,826	5,060	72,500	83,600
	1,626	1,691		64,100	72,500
2018	5,029	2,339	5,060	71,000	83,400
	1,677	1,477		75,500	83,700
2019	4,804	1,541	5,060	72,200	83,600
	1,729	1,184		55,800	63,800

Questions?