

5-022.09 SAN JOAQUIN VALLEY - WESTSIDE

Basin Boundaries

Summary

The Westside Subbasin is a portion of the San Joaquin Groundwater Basin located in Fresno and Kings Counties. The Subbasin generally coincides with the Westlands Water District area on the north, east and south, including the Lemoore Naval Air Station. The Subbasin is bounded on the west by Tertiary marine sediments of the Coast Ranges. The basin boundary is defined by 13 segments detailed in the descriptions below.

Segment Descriptions

<u>Segment Label</u>	<u>Segment Type</u>	<u>Description</u>	<u>Ref</u>
1-2	^I Water Agency	Begins from point (1) and goes nearly due east then follows the San Luis Water District boundary to point (2).	{a}
2-3	^I Water Agency	Continues from point (2) and follows the Westlands Water District boundary to point (3).	{b}
3-4	^I City or Town	Continues from point (3) and follows the west boundary of the City of Mendota to point (4).	{c}
4-5	^I Water Agency	Continues from point (4) and follows the Westlands Water District boundary to point (5), a basin intersection.	{b}
5-6	^I Water Agency	Continues from point (5) and follows the Westlands Water District boundary to point (6).	{b}
6-7	^I Water Agency	Continues from point (6) and follows the Lemoore Naval Air Station boundary to point (7).	{b}
7-8	^I Water Agency	Continues from point (7) and follows the Westlands Water District boundary to point (8), a basin intersection.	{b}
8-9	^I Water Agency	Continues from point (8) and follows Westlands Water District boundary to point (9).	{b}
9-10	^E Alluvial	Continues from point (9) and follows the contact between alluvium and consolidated rocks of the Kettlemen Hills to point (10).	{a}
10-11	^I Water Agency	Continues from point (10) and follows the Westlands Water District boundary to point (11).	{b}
11-12	^E Alluvial	Continues from point (11) and follows the contact between alluvium and consolidated rocks of the Gujarral Hills to point (12).	{a}
12-13	^I	Continues from point (12) and follows the Westlands Water District boundary to	{b}

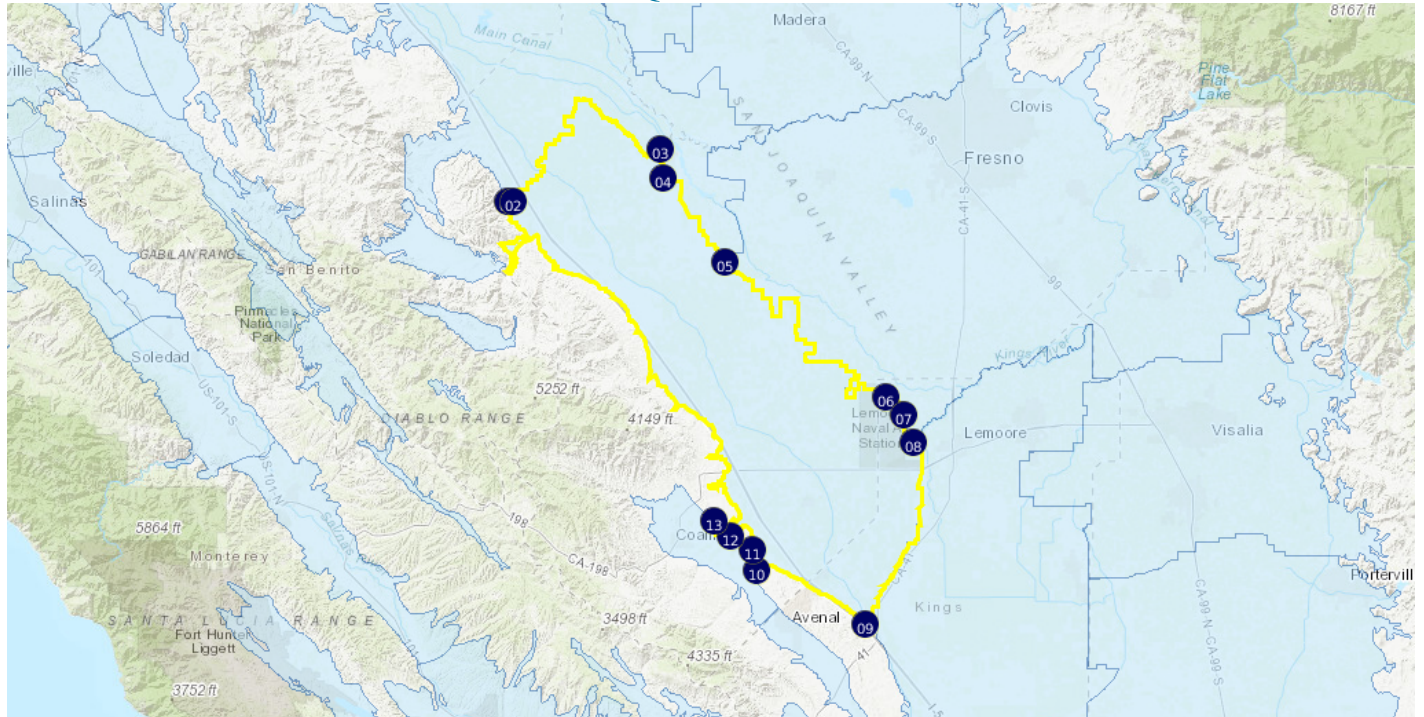
	Water Agency	point (13).	
13-1	^E Alluvial	Continues from point (13) and follows the contact between alluvium and consolidated rocks of the Coast Range and ends at point (1).	{a}

Significant Coordinates

<u>Point</u>	<u>Latitude</u>	<u>Longitude</u>	
1	36.684708568	-120.695864894	
2	36.684707113	-120.684610373	
3	36.769823694	-120.392445594	
4	36.722835917	-120.386971708	
5	36.588178576	-120.261332587	
6	36.371899048	-119.941317902	
7	36.342893748	-119.905188215	
8	36.299231771	-119.887246132	
9	36.007228234	-119.981224655	
10	36.094257599	-120.19996394	
11	36.126801139	-120.208713236	
12	36.148117934	-120.251877298	
13	36.172006712	-120.284617422	

Map

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<https://sgma.water.ca.gov/webgis/?appid=160718113212&subbasinid=5-022.09>

References

<u>Ref</u>	<u>Citation</u>	<u>Pub Date</u>	<u>Global ID</u>
{a}	California Geological Survey (CGS), Geologic Map of California, Geologic Data Map No. 2, C. W. Jennings, C. Gutierrez, W. Bryant, G. Saucedo, and C. Wills. URL: http://maps.conservation.ca.gov/cgs/gmc/	2010	43
{b}	California Department of Water Resources (DWR), Water Agencies Dataset. URL: https://gis.water.ca.gov/app/bbat/	2016	48
{c}	California Department of Forestry and Fire Protection (Cal Fire), Incorporated Cities (INCORP16_1). URL: http://frap.fire.ca.gov/data/frapgisdata-sw-incorporated_download	6/22/16	52

Footnotes

- I: Internal
- E: External