

5-022.07 SAN JOAQUIN VALLEY - DELTA-MENDOTA

Basin Boundaries

Summary

The Delta-Mendota Subbasin is in the San Joaquin Valley Groundwater Basin, located along the western edge of the San Joaquin Valley, and includes portions of San Joaquin, Stanislaus, Merced, Fresno, and Madera Counties. The northern boundary begins just south of Tracy in San Joaquin County. The eastern boundary generally follows the San Joaquin River and Fresno Slough. The southern boundary is near the small town of San Joaquin. The subbasin is bounded on the west by the coast range. The subbasin boundary is defined by 20 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	Continues from point (9) and follows the Farmers Water District Boundary to point (10).	{a}
2-3	I TRS	Continues from point (10) and follows the PLS section line to point (11).	{b}
3-4	I Transportation	Continues from point (11) and follows the San Joaquin Valley railroad tracks to point (12).	{a}
4-5	I Water Agency	Continues south from point (12) and follows the Mid-Valley Water District boundary to point (13) at the Reclamation District 1606 boundary.	{a}
5-6	I Water Agency	Continues from point (13) and follows the Reclamation District 1606 boundary, the James Irrigation District boundary, then the Reclamation District 1606 boundary to point (14).	{a}
6-7	I Stream	Continues from point (14) and follows the Fresno Slough to point (15).	{c}
7-8	I Water Agency	Continues from point (15) and follows the Tranquility Irrigation District Boundary to point (16).	{a}
8-9	I Water Agency	Continues from point (16) and follows the Westlands Water District Boundary to point (17).	{a}
9-10	I City or Town	Continues from point (17) and follows the west boundary of the City of Mendota to point (18).	{d}
10-11	I Water Agency	Continues from point (18) and follows the Westlands Water District Boundary to point (19).	{a}
11-12	I Water Agency	Continues west from point (19) and follows San Luis Water District boundary, then extends west to point (20).	{a}
12-13	E Alluvial	Continues from point (20) and follows the contact between the valley sediments and the rock of the coast range and ends at point (1).	{e}
13-14	I	Begins at point (1) and follows the San Joaquin/Stanislaus County line to	{f}

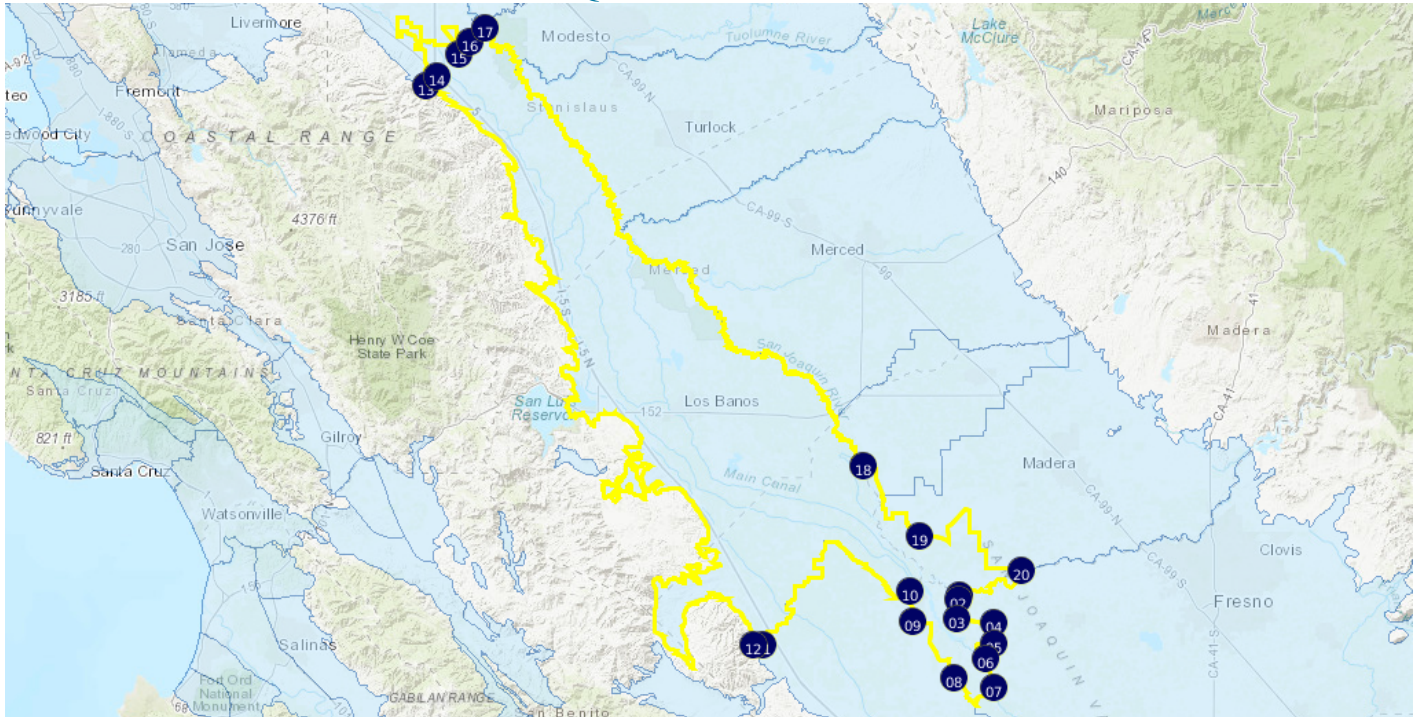
	County	point (2).	
14-15	^I Water Agency	Continues from point (2) and follows Del Puerto Water District boundary then West Stanislaus Irrigation District boundary to point (3).	{a}
15-16	^I Water Agency	Continues from point (3) and follows the West Stanislaus Irrigation District boundary to point (4).	{a}
16-17	^I County	Continues northeast from point (4) and follows the San Joaquin/Stanislaus County line to point (5).	{f}
17-18	^I Stream	Continues southeast from point (5) and follows the San Joaquin River to point (6).	{a}
18-19	^I Water Agency	Continues from point (6) and follows the Columbia Canal Company boundary to point (7).	{a}
19-20	^I Water Agency	Continues from point (7) and follows the Aliso Water District Boundary, crossing Chowchilla Canal at Avenue 7, to point (8).	{a}
20-1	^I Stream	Continues from point (8) and generally follows the San Joaquin River to point (9) at the Farmers Water District boundary.	{c}

Significant Coordinates

<u>Point</u>	<u>Latitude</u>	<u>Longitude</u>
1	36.76347901	-120.292414942
2	36.756455539	-120.296278041
3	36.727149764	-120.296922163
4	36.719922508	-120.223720615
5	36.686805364	-120.224592055
6	36.661534962	-120.240479786
7	36.617227985	-120.224542154
8	36.632003234	-120.302958524
9	36.722835917	-120.386971708
10	36.769823694	-120.392445594
11	36.684707113	-120.684610373
12	36.684621249	-120.705050583
13	37.573316315	-121.35708894
14	37.58882235	-121.336626222
15	37.623875631	-121.292113643
16	37.642408201	-121.269492531
17	37.664615007	-121.241497649
18	36.969970028	-120.484417034
19	36.858707437	-120.372712315
20	36.803907046	-120.169146673

Map

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<https://sgma.water.ca.gov/webgis/?appid=160718113212&subbasinid=5-022.07>

References

<u>Ref</u>	<u>Citation</u>	<u>Pub Date</u>	<u>Global ID</u>
{a}	California Department of Water Resources (DWR), Water Agencies Dataset.URL: https://gis.water.ca.gov/app/bbat/	2016	48
{b}	Bureau of Land Management (BLM) California State Office (CASO), Public Land Survey System (PLSS), .URL: http://www.geocommunicator.gov/GeoComm/lsis_home/home/index.htm	2016	41
{c}	United States Geological Survey (USGS), National Hydrography Dataset, Flowline Dataset for California, note: Coordinated effort among the United States Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS), the United States Geological Survey (USGS), and the Environmental Protection Agency (EPA).URL: http://nhd.usgs.gov/data.html	2/1/2016	1
{d}	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
{e}	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
{f}	California Department of Forestry and Fire Protection (Cal Fire), California Counties and Paired Dataset (cnty15_1).URL: http://frap.fire.ca.gov/data/frapgisdata-subset	2/14/15	2

Footnotes

- I: Internal
- E: External