

# 5-022.05 SAN JOAQUIN VALLEY - CHOWCHILLA

## Basin Boundaries

### *Summary*

The Chowchilla groundwater subbasin of the greater San Joaquin groundwater is in northern Madera and southern Merced Counties. The subbasin is bound on the north by a variety of jurisdictional boundaries, the largest of which is the Merced-Madera county line. The eastern boundary follows PLS section lines. The southern boundary is a combination of PLS section lines and agency borders, the largest of which is the Chowchilla Water District. The western boundary is predominately formed by the San Joaquin River. The boundary is defined by the eighteen (18) segments detailed in the descriptions below.

### *Segment Descriptions*

<u>Segment Label</u>	<u>Segment Type</u>	<u>Description</u>	<u>Ref</u>
1-2	<sup>E</sup> Country	Starts from point (1) and follows the Merced/Madera County line to point (2).	{a}
2-3	<sup>I</sup> Water Agency	Continues from point (2) and follows the Chowchilla Water District boundary to point (3).	{b}
3-4	<sup>I</sup> Water Agency	Continues from point (3) and follows the Le Grand-Athlone Water District boundary to point (4).	{b}
4-5	<sup>I</sup> Stream	Continues from point (4) and generally follows the Chowchilla River to point (5).	{c}
5-6	<sup>I</sup> TRS	Continues from point (5) and follows section lines south to point (6).	{d}
6-7	<sup>I</sup> TRS	Continues from point (6) and follows section lines west to point (7).	{d}
7-8	<sup>I</sup> Transportation	Continues from point (7) and follows Santa Fe Drive to point (8).	{e}
8-9	<sup>I</sup> TRS	Continues from point (8) and follows section line to point (9).	{d}
9-10	<sup>I</sup> City or Town	Continues from point (9) and follows the incorporated City of Chowchilla boundary to point (10).	{f}
10-11	<sup>I</sup> TRS	Continues from point (10) and follows section line to point (11).	{d}
11-12	<sup>I</sup> Water Agency	Continues from point (11) and follows Chowchilla Water District boundary to point (12).	{b}
12-13	<sup>I</sup> TRS	Continues from point (12) and follows section lines to point (13).	{d}
13-14	<sup>I</sup> TRS	Continues from point (13) and follows section line to point (14).	{d}
14-15	<sup>I</sup>	Continues from point (14) and follows the New Stone Water District	{b}

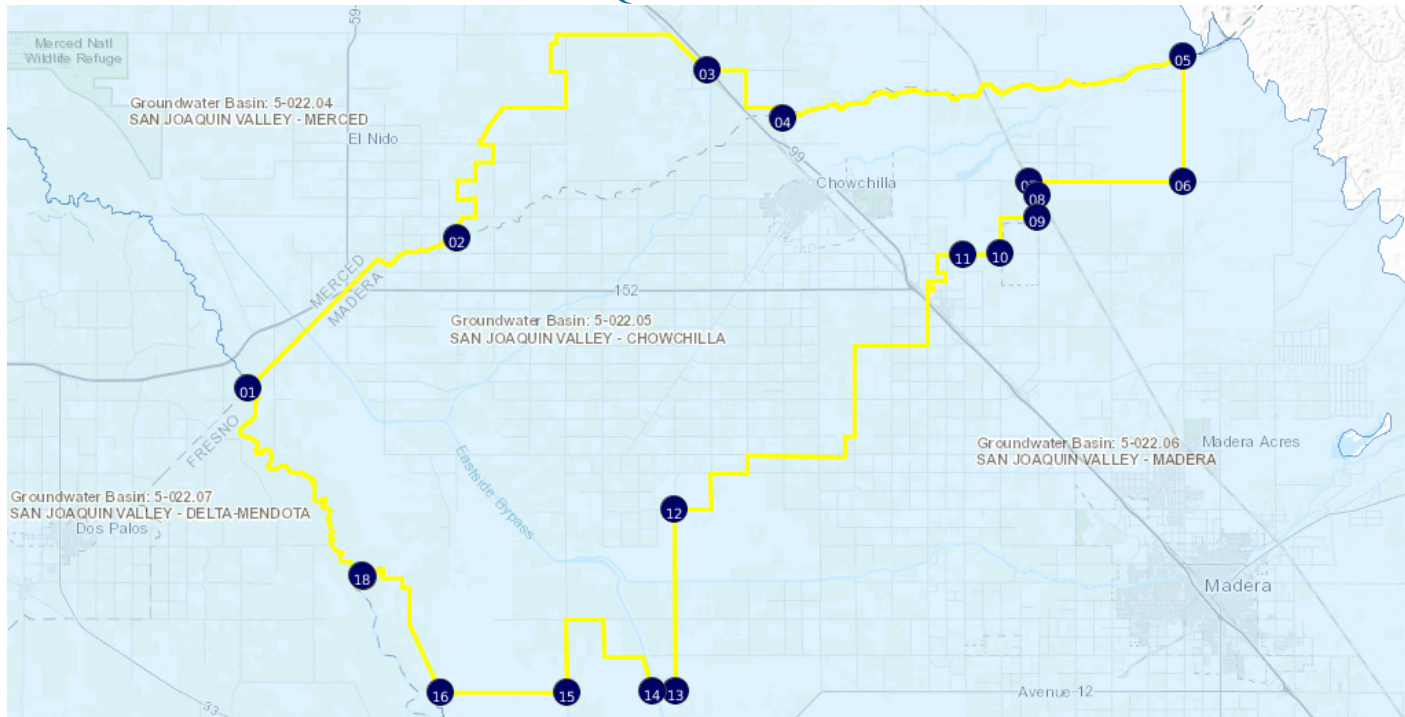
	Water Agency	boundary to point (15).	
15-16	<sup>I</sup> TRS	Continues from point (15) and follows township line to point (16).	{d}
16-17	<sup>I</sup> Water Agency	Continues from point (16) and follows Columbia Canal Company boundary to point (17).	{b}
17-18	<sup>I</sup> Unknown	Continues from point (17) and follows straight line connects to point (18).	{g}
18-1	<sup>I</sup> Stream	Continues from point (18) and follows the San Joaquin River to end at point (01).	{c}

***Significant Coordinates***

<b><u>Point</u></b>	<b><u>Latitude</u></b>	<b><u>Longitude</u></b>
1	37.044489614	-120.541670591
2	37.104574694	-120.437314227
3	37.171035383	-120.312100204
4	37.152128688	-120.274392798
5	37.176874135	-120.074839397
6	37.126767712	-120.074493589
7	37.126989371	-120.15152413
8	37.121303277	-120.147219076
9	37.112440652	-120.147218381
10	37.098402645	-120.165777295
11	37.098157282	-120.184120426
12	36.996515835	-120.328417923
13	36.92395872	-120.32762299
14	36.924100143	-120.33978145
15	36.923740462	-120.382406238
16	36.923416516	-120.445176861
17	36.969833159	-120.483824229
18	36.969970028	-120.484417034

**Map**

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<https://sgma.water.ca.gov/webgis/?appid=160718113212&subbasinid=5-022.05>

**References**

<b>Ref</b>	<b>Citation</b>	<b>Pub Date</b>	<b>Global ID</b>
{a}	California Department of Forestry and Fire Protection (Cal Fire), California Counties and Paired Dataset (cnty15_1).URL: <a href="http://frap.fire.ca.gov/data/frapgisdata-subset">http://frap.fire.ca.gov/data/frapgisdata-subset</a>	2/14/15	2
{b}	California Department of Water Resources (DWR), Water Agencies Dataset.URL: <a href="https://gis.water.ca.gov/app/bbat/">https://gis.water.ca.gov/app/bbat/</a>	2016	48
{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: <a href="http://nhd.usgs.gov/data.html">http://nhd.usgs.gov/data.html</a>	2/1/2016	1
{d}	Bureau of Land Management (BLM) California State Office (CASO), Public Land Survey System (PLSS), .URL: <a href="http://www.geocommunicator.gov/GeoComm/lis_home/home/index.htm">http://www.geocommunicator.gov/GeoComm/lis_home/home/index.htm</a>	2016	41
{e}	Open Street Maps, Roads and Railroads data.URL: <a href="http://www.openstreetmap.org/">http://www.openstreetmap.org/</a>	9/9/16	47
{f}	California Department of Forestry and Fire Protection (Cal Fire), Incorporated Cities (INCORP16_1).URL: <a href="http://frap.fire.ca.gov/data/frapgisdata-sw-incorporated_download">http://frap.fire.ca.gov/data/frapgisdata-sw-incorporated_download</a>	6/22/16	52
{g}	Unknown/other/new	varies	46

Footnotes

- I: Internal
- E: External