

5-022.01 SAN JOAQUIN VALLEY - EASTERN SAN JOAQUIN

Basin Boundaries

Summary

The Eastern San Joaquin groundwater subbasin is defined by the areal extent of the unconsolidated to semi-consolidated sedimentary deposits that are bounded by the San Joaquin County Line and the Mokelumne River on the north and northwest; San Joaquin River on the west; Stanislaus River on the south; and consolidated bedrock on the east. The boundary is defined by 14 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 County	Begins from point (1) and follows the Sacramento/San Joaquin County line to point (2).	{a}
2-3	^I County	Continues from point (2) and follows the Amador/San Joaquin County line to point (3).	{a}
3-4	^I County	Continues from point (3) and follows the Amador/Calaveras County line to point (4).	{a}
4-5	^E Non-Alluvial	Continues from point (4) and follows the contact of Quaternary and Tertiary deposits with volcanic and plutonic rocks to point (5).	{b}
5-6	^E Alluvial	Continues from point (5) and crosses the Alluvium to point (6).	{b}
6-7	^E Non-Alluvial	Continues from point (6) and follows the contact of Quaternary and Tertiary deposits with volcanic rocks to point (7).	{b}
7-8	^E Alluvial	Continues from point (7) and crosses the older Alluvium to point (8).	{c}
8-9	^E Non-Alluvial	Continues from point (8) and follows the contact of Quaternary and Tertiary deposits with volcanic rocks to point (9).	{c}
9-10	^E Alluvial	Continues from point (9) and crosses the older Alluvium to point (10).	{c}
10-11	^E Non-Alluvial	Continues from point (10) and follows the contact of Quaternary and Tertiary deposits with volcanic rocks to point (11).	{c}
11-12	^I Stream	Continues from point (11) and follows the Stanislaus River to point (12).	{d}
12-13	^I Stream	Continues from point (12) and follows the San Joaquin River to point (13).	{d}
13-14	^I Stream	Continues from point (13) and follows the Mokelumne River to point (14).	{d}
14-1	^I Stream	Continues from point (14) and follows the North Mokelumne River, and	{d}

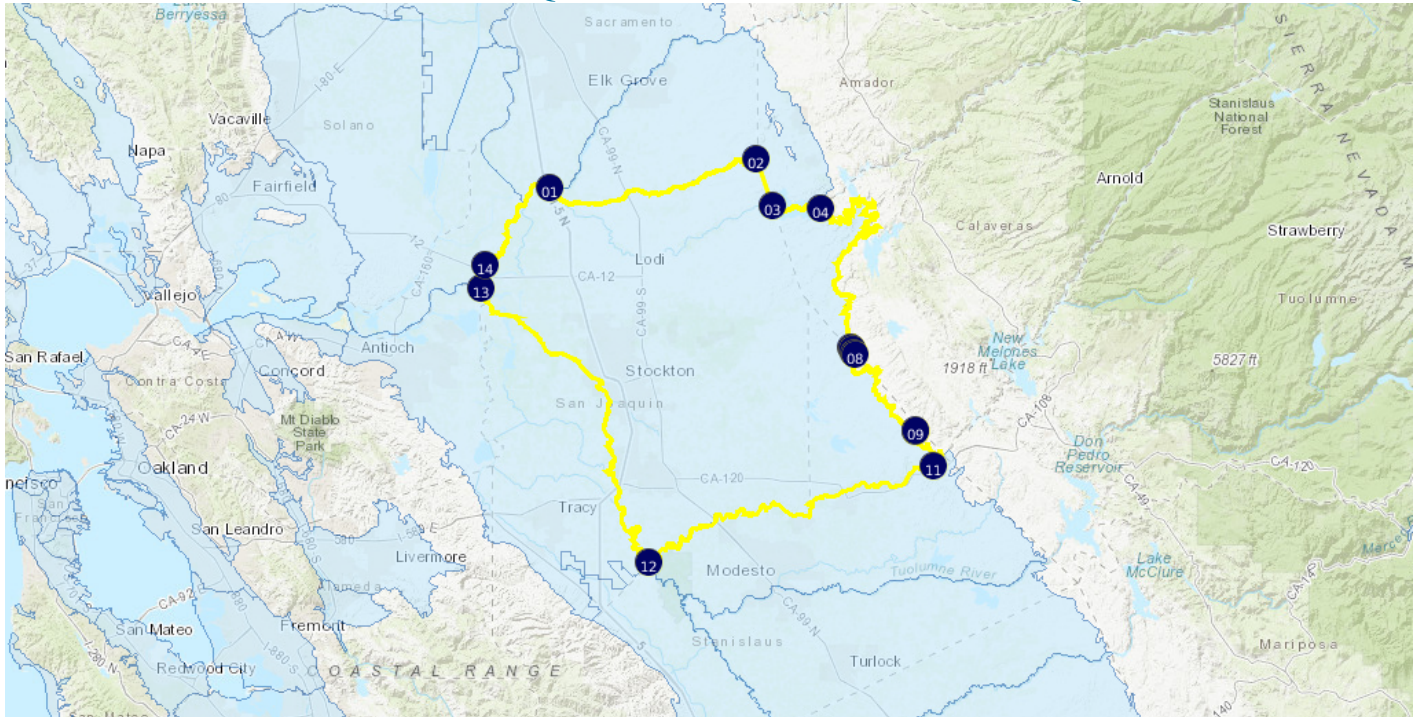
ends at point (1).

Significant Coordinates

<u>Point</u>	<u>Latitude</u>	<u>Longitude</u>	
1	38.255313607	-121.439417586	
2	38.300121304	-121.027234281	
3	38.225354937	-120.995645016	
4	38.221618218	-120.899727718	
5	38.003699821	-120.838250788	
6	38.002466096	-120.835974056	
7	37.996055887	-120.8336397	
8	37.993037618	-120.831268022	
9	37.873010797	-120.709721111	
10	37.872386467	-120.709040524	
11	37.818244675	-120.67272979	
12	37.664857675	-121.241663789	
13	38.095777208	-121.576648988	
14	38.132915474	-121.568817922	

Map

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<https://sgma.water.ca.gov/webgis/?appid=160718113212&subbasinid=5-022.01>

References

<u>Ref</u>	<u>Citation</u>	<u>Pub Date</u>	<u>Global ID</u>
{a}	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
{b}	California Geological Survey (CGS), Regional Geologic Map No. 1A, Sacramento Quadrangle, 1:250,000, D.L. Wagner, C.W. Jennings, T.L. Bedrossian, and E.J. Bortugno.URL: http://www.quake.ca.gov/gmaps/RGM/sacramento/sacramento.html	1981	5
{c}	California Geological Survey (CGS), Regional Geologic Map No. 5A, San Francisco-San Jose Quadrangle, 1:250,000, D.L. Wagner, E.J. Bortugno, and R.D. McJunkin.URL: http://www.quake.ca.gov/gmaps/RGM/sfsj/sfsj.html	1991	8
{d}	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

Footnotes

- I: Internal
- E: External