

5-021.65 SACRAMENTO VALLEY - SOUTH AMERICAN

Basin Boundaries

Summary

The South American Subbasin is a portion of the Sacramento Valley Groundwater Basin located in the Northern Region of California. The northern boundary is the American River, beginning at its confluence with the Sacramento River, and extending northeasterly, upstream to the City of Folsom where the boundary becomes the geologic contact between sediments and fractured bedrock for a short distance further northeast. The eastern boundary is the geologic contact between sedimentary rock and fractured bedrock. The southern boundary extends southwesterly along the Cosumnes River to the confluence with the Mokelumne River and continues southwesterly to Dead Horse Cut (canal). The western boundary includes a short segment for Dead Horse Cut, Snodgrass Slough, and the Delta Cross Channel and then follows the Sacramento River to its confluence with the American River. The basin boundary is made up of seven (7) segments which are detailed in the descriptions below.

Segment Descriptions

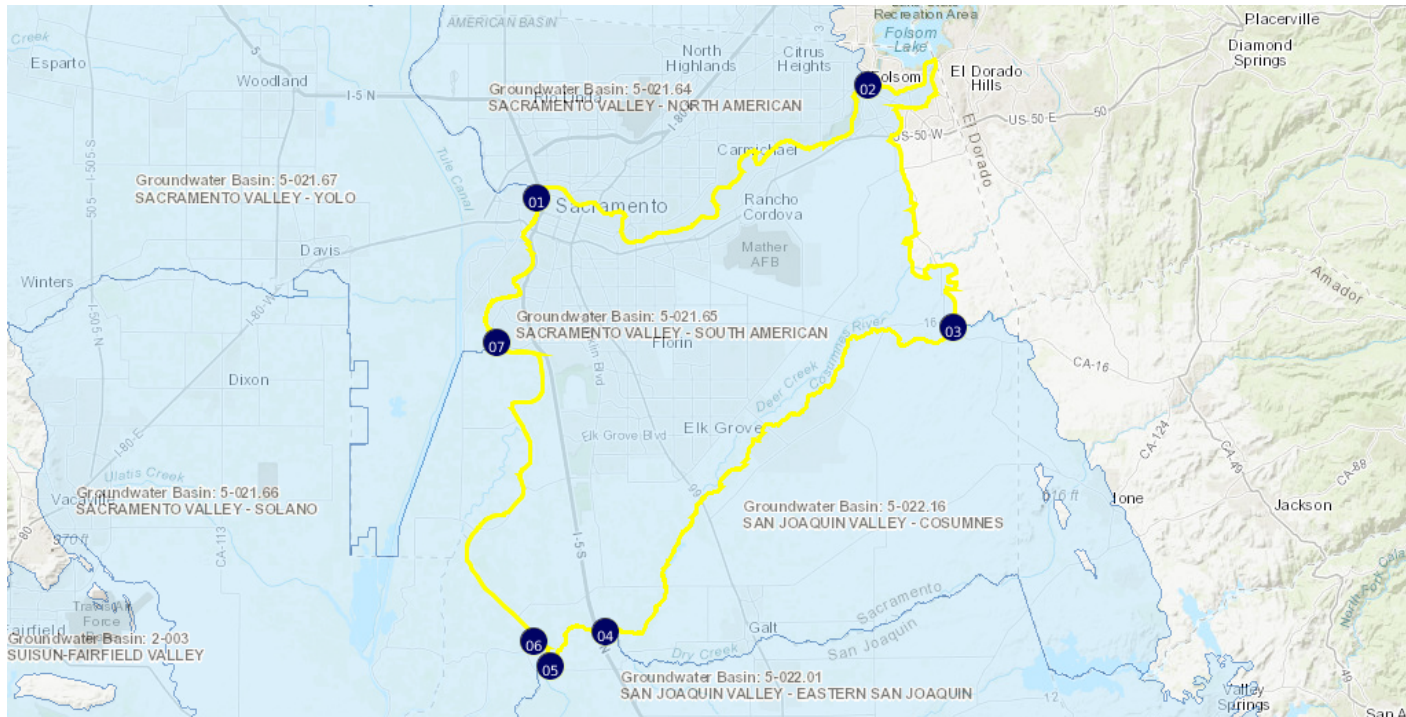
<u>Segment Label</u>	<u>Segment Type</u>	<u>Description</u>	<u>Ref</u>
1-2	^I Stream	Begins from point (1) and follows the American River to point (2).	{a}
2-3	^E Non-Alluvial	Continues from point (2) and follows geologic contact between various sedimentary rocks and Jurassic bedrock to point (3).	{b}
3-4	^I Stream	Continues from point (3) and follows the Cosumnes River to point (4).	{a}
4-5	^I Stream	Continues from point (4) and follows the Mokelumne River downstream to point (5).	{a}
5-6	^I Stream	Continues from point (5) and follows Dead Horse Cut (canal), Snodgrass Slough, and the Delta Cross Canal to point (6).	{a}
6-7	^I Stream	Continues from point (6) and follows the Sacramento River upstream to point (7).	{a}
7-1	^I County	Continues from point (7) and follows the Yolo/Sacramento county line to end at point (1).	{c}

Significant Coordinates

<u>Point</u>	<u>Latitude</u>	<u>Longitude</u>	
1	38.594075098	-121.507979595	
2	38.681559392	-121.176915204	
3	38.492463874	-121.090947389	
4	38.255281302	-121.439398359	
5	38.227786075	-121.493920588	
6	38.247116808	-121.510885322	
7	38.480810878	-121.547089168	

Map

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<https://sgma.water.ca.gov/webgis/?appid=160718113212&subbasinid=5-021.65>

References

<u>Ref</u>	<u>Citation</u>	<u>Pub Date</u>	<u>Global ID</u>
{a}	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
{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 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