

5-021.51 SACRAMENTO VALLEY - CORNING

Basin Boundaries

Summary

The Corning Subbasin is located on the border of Tehama and Glenn counties, and is contained within the Sacramento Valley Groundwater Basin. The northern boundary of the subbasin is comprised of Thomas Creek. The eastern boundary of the subbasin is comprised of the Sacramento River. The southern boundary is comprised mostly of Stony Creek and the Tehama-Glenn county line. The western boundary is comprised of geologic boundaries predominantly between Upper Pliocene non-marine sediments and Lower Cretaceous and Jurassic sandstone and shale deposits. The basin is defined by the (9) segments detailed in the descriptions below.

Segment Descriptions

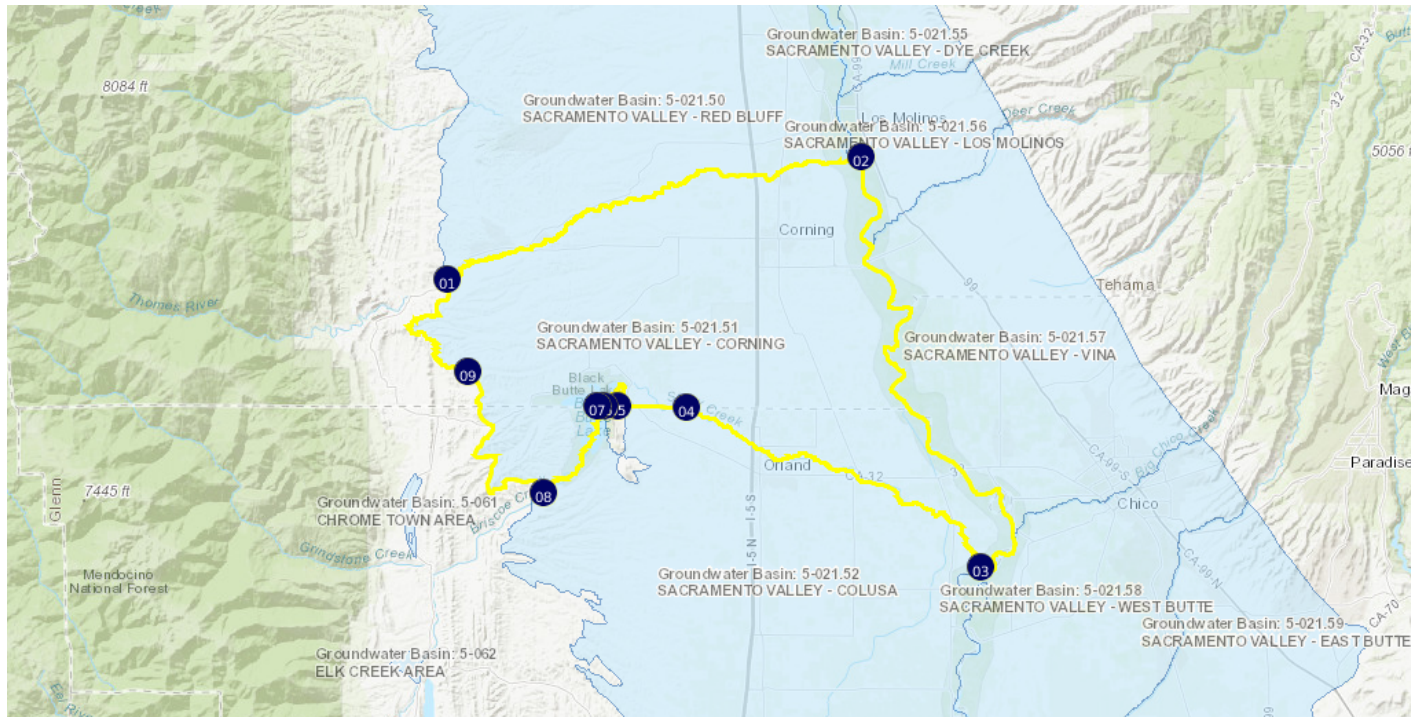
<u>Segment Label</u>	<u>Segment Type</u>	<u>Description</u>	<u>Ref</u>
1-2	^I Stream	Begins from point (1) and follows Thomas Creek to point (2).	{a}
2-3	^I Stream	Continues from point (2) and follows the Sacramento River to point (3).	{a}
3-4	^I Stream	Continues from point (3) and follows Stony Creek to point (4).	{a}
4-5	^I County	Continues from point (4) and follows the Tehama-Glenn county line to point (5).	{b}
5-6	^I Non-Alluvial	Continues from point (5) and follows the contact of non-marine Cenozoic deposits with Mesozoic rocks to point (6).	{c}
6-7	^I County	Continues from point (6) and follows the Tehama-Glenn county line to point (7).	{b}
7-8	^I Stream	Continues from point (7) and follows Stony Creek to point (8).	{a}
8-9	^E Non-Alluvial	Continues from point (8) and follows the contact of non-marine Cenozoic deposits with Mesozoic rocks to point (9).	{c}
9-1	^E Non-Alluvial	Continues from point (9) and follows the contact of non-marine Cenozoic deposits with Mesozoic rocks to point (1).	{c}

Significant Coordinates

<u>Point</u>	<u>Latitude</u>	<u>Longitude</u>	
1	39.895925721	-122.509294945	
2	39.990303203	-122.095358193	
3	39.675866468	-121.97533017	
4	39.798786238	-122.269167877	
5	39.799183808	-122.338612327	
6	39.799194857	-122.352322895	
7	39.799153683	-122.359565625	
8	39.732534454	-122.413128563	
9	39.825719905	-122.487859107	

Map

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<https://sgma.water.ca.gov/webgis/?appid=160718113212&subbasinid=5-021.51>

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 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
{c}	California Geological Survey (CGS), Geologic Atlas of California Map No. 024, Ukiah Sheet, , 1:250,000, Charles W. Jennings and Rudolph G. Strand .URL: http://www.quake.ca.gov/gmaps/GAM/ukiah/ukiah.html	1960	30

Footnotes

- I: Internal
- E: External