

5-022.08 SAN JOAQUIN VALLEY - KINGS

Basin Boundaries

Summary

The Kings Subbasin is located within the San Joaquin Groundwater Basin and is bounded on the north by the San Joaquin River. The eastern boundary is comprised of the contact of the alluvium with the metasedimentary, metavolcanics and granitic rocks of the Sierra Nevada foothills. The southern and western boundaries follow a combination of jurisdictional boundaries, the largest of which include the Tulare/Kings County line, the Kings River, and the Westlands Water District. The basin is defined by the 22 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	Begins at point (1) and follows the Farmers Water District boundary to point (2).	{a}
2-3	I Stream	Continues from point (2) and follows the San Joaquin River to point (3).	{b}
3-4	E Alluvial	Continues from point (3) and follows the contact of the alluvial sediments with the metasedimentary, metavolcanics and granitic rocks to point (4).	{c}
4-5	I Water Agency	Continues from point (4) and follows the Alta Irrigation District boundary to point (5).	{a}
5-6	I Stream	Continues from point (5) and follows Cross Creek as it turns into a drainage ditch to point (6).	{b}
6-7	I County	Continues from point (6) and follows the Kings/Tulare County line to point (7).	{d}
7-8	I Stream	Continues from point (7) and follows the Kings River to point (8).	{b}
8-9	I Water Agency	Continues from point (8) and follows the Consolidated Irrigation District Boundary to point (9).	{a}
9-10	I Water Agency	Continues from point (9) and follows the Kings County Water District boundary to point (10).	{a}
10-11	I Stream	Continues from point (10) and follows the Kings River before following the South Fork Kings River to point (11).	{b}
11-12	I Water Agency	Continues from point (11) and follows the boundaries of the John Heinlen Mutual Water Company to point (12).	{a}
12-13	I Water Agency	Continues from point (12) and follows the Westlands Water District boundary to point (13).	{a}
13-14	I Water Agency	Continues from point (13) and follows the Lemoore Naval Air Station boundary to point (14).	{a}
14-15	I	Continues from point (14) and follows the Westlands Water District	{a}

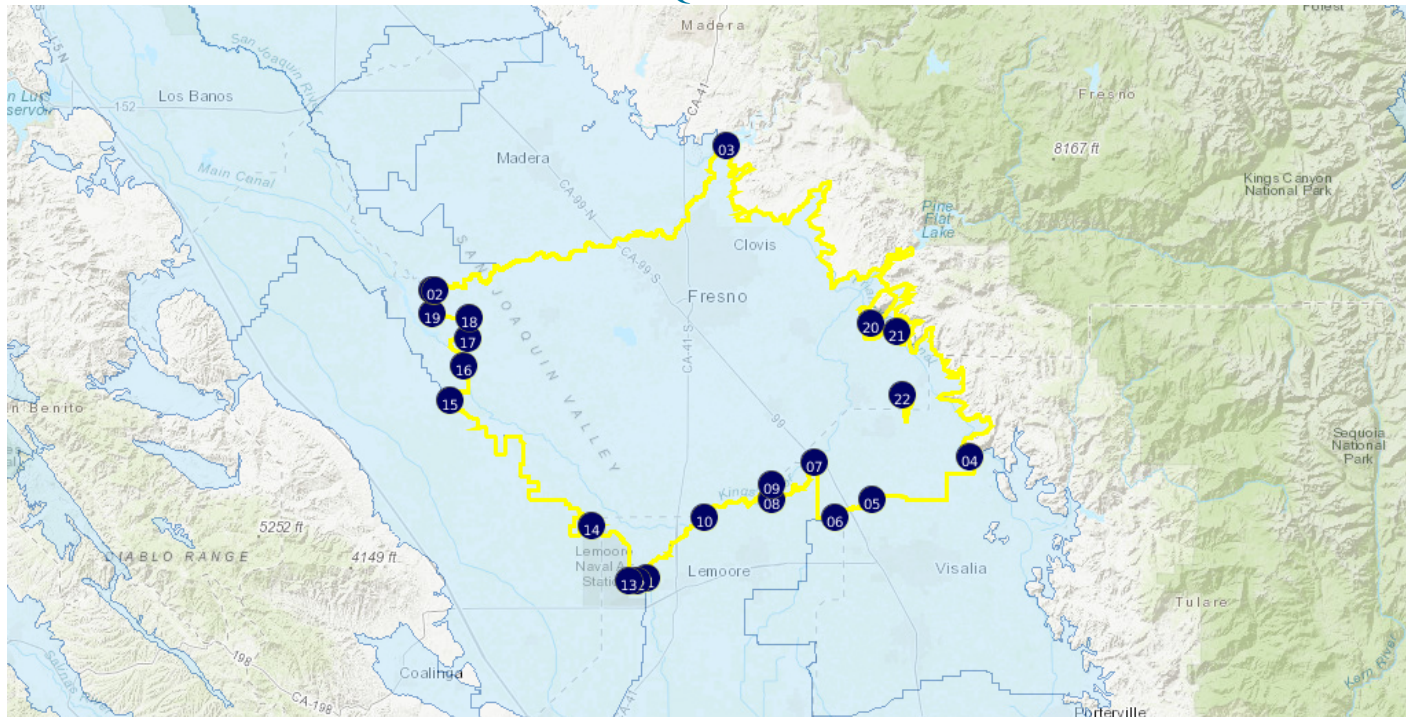
	Water Agency	boundary to point (15).	
15-16	^I Water Agency	Continues from point (15) and follows the Tranquility Irrigation District boundary to point (16).	{a}
16-17	^I Water Agency	Continues from point (16) and generally follows the Reclamation District # 1606 boundary to point (17).	{a}
17-18	^I Water Agency	Continues from point (17) and follows the Mid-Valley Water District boundary to point (18).	{a}
18-19	^I Transportation	Continues from point (18) and follows the San Joaquin Valley railroad tracks to point (19).	{e}
19-1	^I TRS	Continues north from point (19) and follows the PLS section line and ends at point (1).	{f}
20-20	^I Alluvial	Continues from point (20) and follows the contact of alluvium and mesozoic intrusive rocks back to point (20).	{c}
21-21	^I Alluvial	Starts at point (21) and follows boundary between alluvium and mesozoic granitic rocks and ends at point (21).	{c}
22-22	^I Alluvial	Starts at point (22) and follows the contact of the alluvium with the Pre-Cretaceous metamorphic and Mesozoic ultrabasic intrusive rocks to end at point (22).	{c}

Significant Coordinates

<u>Point</u>	<u>Latitude</u>	<u>Longitude</u>
1	36.763488631	-120.296074491
2	36.76347901	-120.292414942
3	36.994858019	-119.710091042
4	36.498508498	-119.223451944
5	36.429145646	-119.416491033
6	36.400962272	-119.492597659
7	36.488920669	-119.534105111
8	36.429011661	-119.61859991
9	36.452798079	-119.617160788
10	36.401580406	-119.751607058
11	36.30396525	-119.869046058
12	36.299231771	-119.887246132
13	36.299261957	-119.904935729
14	36.386502	-119.977266
15	36.588151144	-120.261297877
16	36.644177188	-120.233771005
17	36.686805364	-120.224592055
18	36.719922508	-120.223720615
19	36.727149764	-120.296922163
20	36.711230471	-119.42036533
21	36.698704567	-119.36923236
22	36.597957209	-119.357181282

Map

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<https://sgma.water.ca.gov/webgis/?appid=160718113212&subbasinid=5-022.08>

References

Ref	Citation	Pub Date	Global ID
{a}	California Department of Water Resources (DWR), Water Agencies Dataset.URL: https://gis.water.ca.gov/app/bbat/	2016	48
{b}	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
{c}	California Geological Survey (CGS), Geologic Atlas of California Map No. 005, Fresno Sheet, , 1:250,000, Robert A. Matthews and John L. Burnett.URL: http://www.quake.ca.gov/gmaps/GAM/fresno/fresno.html	1965	32
{d}	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
{e}	Open Street Maps, Roads and Railroads data.URL: http://www.openstreetmap.org/	9/9/16	47
{f}	Bureau of Land Management (BLM) California State Office (CASO), Public Land Survey System (PLSS), .URL: http://www.geocommunicator.gov/GeoComm/Isis_home/home/index.htm	2016	41

Footnotes

- I: Internal

