

8-002.04 UPPER SANTA ANA VALLEY - RIALTO-COLTON

Basin Boundaries

Summary

The Rialto-Colton groundwater subbasin underlies the upper Santa Ana Valley in southwestern San Bernardino County and northwestern Riverside County. This subbasin is bound on the north by the San Gabriel Mountains and on the east by the San Jacinto fault zone. The subbasin is bound on the south by the Box Spring Mountains and bound on the west by the Rialto-Colton fault. Lytle Creek drains the valley southeastward to its confluence with the Santa Ana River, which overlies the southern part of the subbasin. The basin boundary is defined by eight (8) segments detailed in the descriptions below.

Segment Descriptions

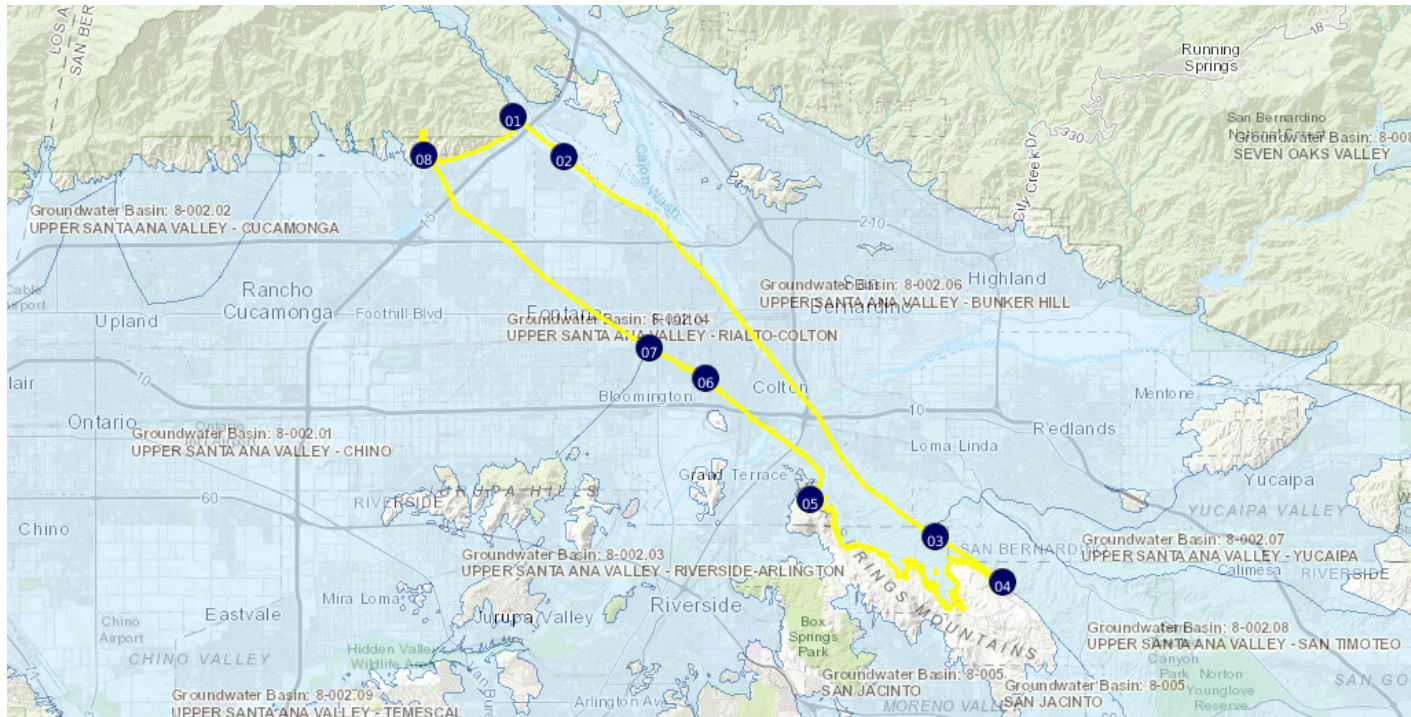
<u>Segment Label</u>	<u>Segment Type</u>	<u>Description</u>	<u>Ref</u>
1-2	^I Fault	Begins from point (1) and follows a concealed portion of the San Jacinto fault to point (2).	{a}
2-3	^I Fault	Continues from point (2) and follows the San Jacinto fault to point (3).	{a}
3-4	^I Fault	Continues from point (3) and follows the San Jacinto fault to point (4).	{a}
4-5	^E Alluvial	Continues from point (4) and generally follows the contact of Quaternary alluvium with various Cretaceous rock units to point (5).	{b}
5-6	^I Management Area	Continues from point (5) and follows the Western San Bernardino judgement (1969) to point (6).	{c}
6-7	^I Fault	Continues from point (6) and follows the Rialto-Colton fault to point (7).	{b}
7-8	^I Fault	Continues from point (7) and follows the Chino Basin judgment (1978) boundary and the Rialto-Colton fault to point (8).	{c}
8-1	^E Alluvial	Continues from point (8) and generally follows the contact of Quaternary alluvium with Precambrian to Paleozoic metasedimentary rocks and ends at point (1).	{a}

Significant Coordinates

<u>Point</u>	<u>Latitude</u>	<u>Longitude</u>	
1	34.187705401	-117.442273144	
2	34.171430352	-117.416740615	
3	34.014576712	-117.231981914	
4	33.995424347	-117.198147626	
4	33.995424347	-117.198147626	
5	34.029698559	-117.293930455	
6	34.079869969	-117.346350263	
7	34.092431516	-117.374750137	
8	34.172011693	-117.487013666	

Map

8-002.04 UPPER SANTA ANA VALLEY - RIALTO-COLTON



<https://sgma.water.ca.gov/webgis/?appid=160718113212&subbasinid=8-002.04>

References

<u>Ref</u>	<u>Citation</u>	<u>Pub Date</u>	<u>Global ID</u>
{a}	California Geological Survey (CGS), Regional Geologic Map No. 3A, San Bernardino Quadrangle, 1:250,000, E.J. Bortungno and T.E. Spittler.URL: http://www.quake.ca.gov/gmaps/RGM/sanbernardino/sanbernardino.html	1986	6
{b}	California Geological Survey (CGS), Geologic Compilation of Quaternary Surficial Deposits in Southern California, T.L. Bedrossian, P. Roffers, C.A. Hayhurst, J.T. Lancaster, and W.R. Short.URL: http://www.conservation.ca.gov/cgs/fwgp/Pages/sr217.aspx	2012	50
{c}	California Department of Water Resources (DWR), Adjudicated Basins GIS layer, .URL: https://gis.water.ca.gov/app/bbat/	2016	44

Footnotes

- I: Internal
- E: External