

# 3-004.10 SALINAS VALLEY - MONTEREY

## Basin Boundaries

### Summary

The Monterey groundwater subbasin is part of the Salinas Valley groundwater basin in Monterey County and includes the City of Marina and portions of Fort Ord National Monument. The Subbasin extends inland from the Pacific Ocean to the Sierra de Salinas Mountains. The northeastern boundary is shared with the 180/400 Foot Aquifer Subbasin which follows a groundwater divide and the Reliz Fault. The southwest boundary is formed by a groundwater divide separating the Subbasin and the Seaside Subbasin. The basin boundary is defined by seven (7) segments detailed in the descriptions below.

### Segment Descriptions

<u>Segment Label</u>	<u>Segment Type</u>	<u>Description</u>	<u>Ref</u>
1-2	<sup>I</sup> Groundwater Divide	Begins at point (1) and follows the groundwater divide to point (2).	{a}
2-3	<sup>I</sup> Fault	Continues from point (2) and generally follows the Reliz Fault to point (3).	{b}
3-4	<sup>I</sup> Alluvial	Continues from point (3) and follows the contact of Miocene marine sediments with Quaternary terrace deposits to point (4)	{c}
4-5	<sup>E</sup> Alluvial	Continues from point (4) and generally follows the contact of alluvium with granitic rocks to point (5).	{c}
5-6	<sup>E</sup> Alluvial	Continues from point (5) and follows the contact of alluvium with Miocene marine sediments to point (6).	{c}
6-7	<sup>I</sup> Groundwater Divide	Continues from point (6) and follows the groundwater divide to point (7).	{d}
7-1	<sup>E</sup> Ocean	Continues from point (7) and follows the Pacific Ocean and ends at point (1).	{e}

*Significant Coordinates*

<u>Point</u>	<u>Latitude</u>	<u>Longitude</u>	
1	36.703209794	-121.808816343	
2	36.647921584	-121.721110418	
3	36.604927629	-121.648883015	
4	36.586645218	-121.667713129	
5	36.547782626	-121.656802183	
6	36.564590046	-121.774991285	
7	36.647114514	-121.830306707	

**Map**

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<https://sgma.water.ca.gov/webgis/?appid=160718113212&subbasinid=3-004.10>

**References**

<b>Ref</b>	<b>Citation</b>	<b>Pub Date</b>	<b>Global ID</b>
{a}	Unknown/other/new	varies	46
{b}	California Geological Survey (CGS), Fault Activity Map of California, Geologic Data Map No. 6.URL: <a href="http://earthquake.usgs.gov/hazards/qfaults/">http://earthquake.usgs.gov/hazards/qfaults/</a>	2010	40
{c}	California Geological Survey (CGS), Geologic Atlas of California Map No. 020, Santa Cruz Sheet, , 1:250,000, Charles W. Jennings and Rudolph G. Strand .URL: <a href="http://www.quake.ca.gov/gmaps/GAM/santacruz/santacruz.html">http://www.quake.ca.gov/gmaps/GAM/santacruz/santacruz.html</a>	1958	34
{d}	BBMRS	varies	45
{e}	California Department of Forestry and Fire Protection (Cal Fire), California Counties and Paired Dataset (cnty15_1).URL: <a href="http://frap.fire.ca.gov/data/frapgisdata-subset">http://frap.fire.ca.gov/data/frapgisdata-subset</a>	2/14/15	2

Footnotes

- I: Internal
- E: External