

8. Santa Ana River, Reach 5:

- Beneficial Uses: MUN (applies upstream of Orange Ave (Redlands); downstream, water is exempted from MUN), AGR, GWR, REC1, REC2, WARM, WILD, RARE
- Hydrologic Unit: 801.52
- Total Water Body Size: 17 miles
- Size Impaired: Unknown at this time
- Extent of Impairment: Unknown at this time
- Data Analyses:
 - Orange County Water District Data:*
 - 0/3 exceeded the "CTR for Inorganic Constituents Fresh Water Aquatic Life Protection (1/yr)" copper standard of 13-28 ug/L (1-hr avg)
 - 0/1 exceeded the "CTR for Inorganic Constituents Fresh Water Aquatic Life Protection (1/yr)" lead standard of 130 ug/L (1-hr avg)
 - 0/1 exceeded the "CTR for Inorganic Constituents Fresh Water Aquatic Life Protection (1/yr)" nickel standard of 810 ug/L (1-hr avg)
- Potential Sources: Unknown at this time
- Recommendation: More monitoring due to not enough data points available per parameter to reach a conclusion for impairment and insufficient data to back up results.
- TMDL Priority: None at this time
- TMDL Start Date: Not applicable at this time
- TMDL End Date: Not applicable at this time

SAR hardness

StationName SAR-WATERMAN-01

ParamName	SampDate	SampTime	Result_Txt
Total Hardness (as CaCO3)	3/16/98	15:00	86.6
Total Hardness (as CaCO3)	8/17/98	9:05	100
Total Hardness (as CaCO3)	8/23/99	9:45	219
Total Hardness (as CaCO3)	8/22/00	9:45	190

SAR-WATERMAN-01

ParamName Chromium

SampDate	SampTime	Result_T	Units	StationName	ParamType
8/23/99	9:45	5.8	ug/L	SAR-WATERMAN-01	INORGANIC
8/22/00	9:45	6.2	ug/L	SAR-WATERMAN-01	INORGANIC

ParamName Copper

SampDate	SampTime	Result_T	Units	StationName	ParamType
8/17/98	9:05	3.0	ug/L	SAR-WATERMAN-01	INORGANIC
8/23/99	9:45	6.2	ug/L	SAR-WATERMAN-01	INORGANIC
8/22/00	9:45	9.1	ug/L	SAR-WATERMAN-01	INORGANIC

ParamName Lead

SampDate	SampTime	Result_T	Units	StationName	ParamType
8/22/00	9:45	1.9	ug/L	SAR-WATERMAN-01	INORGANIC

ParamName Nickel

SampDate	SampTime	Result_T	Units	StationName	ParamType
8/22/00	9:45	2.0	ug/L	SAR-WATERMAN-01	INORGANIC