



## Water-Quality Assessment of the American River, California: Usgs Open-File Report 82-763 (Paperback)

By M V Shulters

Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Based on an analysis of water-quality data from more than 168 sites, the American River was found to be of overall good quality and suitable for all beneficial uses specified by the State of California, even though its natural condition has been altered by man's activities in the basin. Time trend analyses indicate an increase in specific conductance (dissolved solids), hardness, and alkalinity over the past 20 years in the lower American River near Sacramento downstream from treated effluent and urban runoff sources. Most violations of specific water quality objectives for the basin have occurred in this segment. Water-quality conditions in the segment are expected to improve in 1982 when sewage treatment facility discharges will be discontinued. Potential water-quality problems in the upper American River basin could result from recreational overuse, improper land-use or poorly managed mining operations. Recreational overuse and increased urban runoff are the principal threats to water quality in the lower American River. Proposed monitoring activities include low-flow investigations on the lower American to measure diurnal variations in water-quality characteristics and studies in the...



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