



Ventura Water Local Groundwater Assistance Grant
ATTACHMENT 8. QUALITY ASSURANCE

The Upper Ventura River Basin Surface Water/Groundwater Interaction Study Work Plan (Attachment 5) contains several measures that will insure that the resulting work meets project goals and objectives and that the data generated meets professional standards.

The City of Ventura intends to hire a consultant to perform Tasks 1 through 3 of the Work Plan. The City will hold the consultant to professional standards and require that the consultant have appropriate experience and qualifications to perform the work.

The most important quality assurance/quality control measure that will be utilized by the project will be the ongoing input and review of the work by the Ventura River Watershed Council. As described earlier, the Ventura River Watershed Coalition includes cities, water and sanitation districts, environmental and educational non-profits, agricultural organizations, community volunteer groups, as well as engineers, biologists, businesses and private citizens. Specifically, Ventura River County Water District, Meiners Oaks Water District, Ventura County Watershed Protection District, Casitas Municipal Water District, Ojai Valley Sanitary District, and Ojai Valley Land Conservancy, along with the City of Ventura have entered into an Memorandum of Agreement (MOA) to direct work undertaken as part of the Upper Ventura River Basin Surface Water/Groundwater Interaction Study.

The first step in the Work Plan is to finalize the data collection strategy. In this task the location of data collection will be decided, as well as the frequency and timing of data collection defined. The types of equipment and procedures for data collection will then be selected to meet these parameters. Data collection parameters and methods will be codified in a Quality Assurance Project Plan and Standard Operating Procedures.

Surface water flow measurements will be made using standard US Geological Survey (USGS) techniques as described in *Techniques of Water Resources Investigations Chapter A8 Discharge Measurements for Stream Gages*. All field measurements will be referenced to NAVD88 vertical datum and NAD 83 Horizontal datum.

Data will be reviewed on a weekly basis. Data will be compared against measurements from USGS gages. This weekly review and comparison to USGS data will identify any anomalies and make it possible to adjust the data collection process if needed.