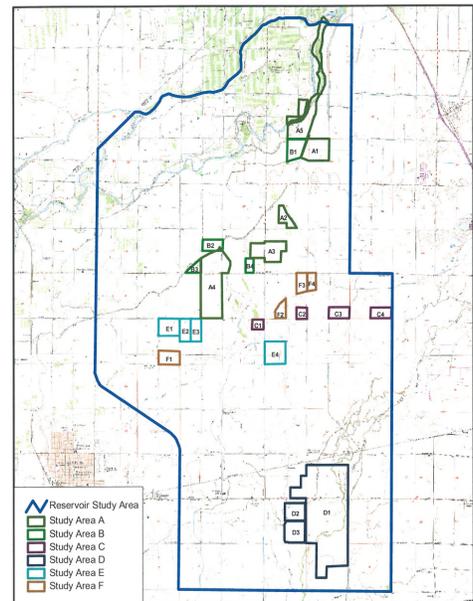


ATTACHMENT 9 - PAST PERFORMANCE

Kings County Water District has experience with similar projects involving the construction of monitoring wells, and has experience successfully completing grant projects for the State of California. These projects illustrate the District's ability to perform high quality work, manage funds and meet deadlines for similar type projects. This experience is described below:

Off-Stream Reservoir Site Investigations Project

In 1999 the Kings County Water District was awarded a \$460,000 grant to perform an Off-Channel Reservoir Feasibility Study (Contract No. F 85015). The grant was provided by DWR through the Safe, Clean, Reliable Water Supply Act (Proposition 204). The study identified 22 potential sites that were evaluated at a conceptual level. The five most promising sites were evaluated in more detail. The sites were evaluated and scored based on soil conditions, geology, hydrogeology, land availability, proximity to water source, and contiguity of parcels. The results of the study facilitated the development of the Apex Ranch Conjunctive Use Project. The final report was submitted to DWR in December 2003. The project was completed on time and on budget. KCWD has not received any other grants since the project was completed in 2003.



Sites Investigated for Off-Channel Reservoir Study

Nested Monitoring Wells Project

In 2011, the KCWD successfully installed four nested monitoring wells to improve groundwater monitoring in the District. These wells are shown on **Figure 4.4**. These wells have a similar design to those proposed in this application, and symbolize the District's ability to successfully complete a similar project on time and on budget. Each of the four wells has three casings with depths of 120, 250 and 550 feet. Data loggers were placed in each well and the water quality was tested in each casing. The drilling contract was awarded to Bradley and Sons of Del Rey, California for \$167,960. The wells were designed by Provost & Pritchard Consulting Group. The well designs were prepared in cooperation with a representative from the Kings River Area Property Owners Association. The well construction



Nested Wells Constructed in KCWD

was funded entirely by KCWD. No major problems were encountered during the well construction and the wells are performing as expected.

Apex Ranch Conjunctive Use Project

In 2002, KCWD began operating the Apex Ranch (Apex Ranch) Conjunctive Use Project, which is located in the northeastern section of the District (see **Figure 4.1**).



**Groundwater Recharge at the Apex
Ranch Project**

The project and its monitoring program has been gradually expanded and improved almost every year since 2002, and now includes 50 acres for recharge, five recovery wells, and a monitoring well network. The project delivers water to a section of the Kings River that was cut off and abandoned by natural flows during a large storm more than 80 years ago. This river channel, called the Old River, has a sandy bottom that is conducive to groundwater recharge. Percolation rates have been measured as high as four-feet per day. This abandoned river channel is a rare geographic feature that presents an ideal opportunity for a highly productive groundwater

recharge project. Operations at the groundwater bank are documented in an annual report (**Exhibit 4.3**). Over the life of the project, 62,500 AF of water has been recharged.