

Spring Valley Lake Reservoir Recovery Project

Proposed by Lake County Special Districts

The proposed Spring Valley Lake Reservoir Recovery Project is located in Clearlake Oaks, California in the Spring Valley Lakes subdivision. The community was established in the late 1960s consisting of approximately 1,000 residential properties, streets and bridges, water treatment and distribution, greenbelt areas, and a reservoir serving as both a recreational facility and a water source for the community water system.

The goal of the proposed project is to reclaim the original design capacity of the Spring Valley Lake reservoir of approximately 320 Acre Feet (AF) from the current 43 AF. The project will be done in three phases. Phase I will take place in an area near and upstream of Osage Way, in Clearlake Oaks, CA. The work in this phase will consist of two parts: 1) construct a single large sedimentation pond, part 2) the Wolf Creek channel will be re-directed to the south bank of the reservoir's basin, downstream to the spill way. Phase II, material removal will occur in the dry center of the reservoir and the north side of the reservoir basin. Phase III, this phase will consist of material removal, the disposal of spoils in this phase will come from the dry center of the reservoir and the north side of the reservoir. Spoils from each phase will be deposited on County-owned sites within the subdivision; removal of these spoils will free up space in the reservoir and increase water capacity by 277 AF.

Reclaiming capacity will allow for a redundant source of raw water for the treatment plant in order to better mitigate drought conditions. It will also provide a source of water for fire fighting efforts in the event of an emergency. Because of the benefits to the community the project has been included in the locally adopted Hazzard Mitigation Plan.

Planning has been performed and environmental studies have been conducted with permits issued. Staff is currently working with the Army Corp of Engineers on one remaining item prior to issuance of their permit. Details of mitigation measures with the Army Corps and the consulting Biologist are being finalized and are expected to be resolved soon.