

Farmington Groundwater Recharge Demonstration Project Site #1 – SJAFCA Detention Basin #1, San Joaquin County, California

The Farmington Groundwater Recharge Demonstration Project – Site #1 – SJAFCA Detention Basin #1, San Joaquin County, California, is the first site selected to test the potential for groundwater recharge. The Project consists of a percolation test to be performed in the existing SJAFCA flood control Detention Basin #1, which is adjacent to and north of Mosher Creek, west of State Highway 99, in the City of Stockton, California. A 100-foot by 100-foot berm 2 feet high will be constructed in the detention basin. Water from Mosher Creek will be channeled out of the creek into this small containment basin by means of a removable weir and sandbagging. The water level will be maintained for approximately one month in order to monitor the evaporation and recharge rates. The test will be used to establish design guidelines in the Operation Manual for future sites.

An Environmental Assessment (EA) has been prepared in accordance with National Environmental Policy Act (NEPA) guidelines for this project. The EA was prepared by the Corps as the Federal Lead Agency, in coordination with the Stockton East Water District (SEWD) as the California Environmental Quality Act (CEQA) Lead Agency and non-Federal sponsor. The Corps will perform the Project under the authority of Section 219 of the Water Resources Development Act of 1992 (Public Law 102-580), as amended, which authorized the Secretary of the Army to provide design and construction assistance for water-related environmental infrastructure and resource protection and development projects. The CEQA Lead Agency has determined that the proposed action qualifies under a Categorical Exemption because it involves minor public alterations to existing structure or facilities, reconstruction of existing facilities, conversion of facilities, and minor alterations to land and water that do not involve the removal of mature, scenic trees.

The Environmental Assessment (EA) evaluates the environmental effects of the proposed October 2003 Groundwater Recharge Demonstration Project in SJAFCA Detention Basin #1, San Joaquin County, in the City of Stockton, California. The EA focuses on any environmental effects caused by the test project, and identifies any mitigation measures that will reduce environmental effects to a less-than-significant level.