

Summary Form for Electronic Document Submittal

Form F

Lead agencies may include 15 hardcopies of this document when submitting electronic copies of Environmental Impact Reports, Negative Declarations, Mitigated Negative Declarations, or Notices of Preparation to the State Clearinghouse (SCH). The SCH also accepts other summaries, such as EIR Executive Summaries prepared pursuant to CEQA Guidelines Section 15123. Please include one copy of the Notice of Completion Form (NOC) with your submission and attach the summary to each electronic copy of the document.

SCH #: _____

Project Title: Aquifer Storage and Recovery Program

Lead Agency: Stockton East Water District

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Project Location: Stockton San Joaquin
City *County*

Project Description (Proposed actions, location, and/or consequences).

Stockton East Water District (District) proposes to utilize existing supply Well 74-01 for an aquifer storage and recovery (ASR) program on the premises of the Dr. Joe Waidhofer Drinking Water Treatment Plant (WTP). Recharge to the aquifer will utilize drinking water from the WTP at an estimated rate of 450 gallons per minute (gpm). The drinking water is derived from the District's diversion of water from the Calaveras River and the Stanislaus River. The recovery of the stored water (production) will occur at rates up to 1,500 gpm. The production volume will be limited to between 70% and 80% of the recharge volume. The stored water will serve as a dry-year supplemental supply to the WTP and will also serve to restore groundwater storage in the aquifer during wet years. The discharge of stored water from Well 74-01 will be conveyed to the South Raw Water Reservoir via an existing pipeline. Water in the reservoir will be treated to drinking water standards prior to delivery to the Urban Contractors distribution systems. Two 4-inch-diameter observation wells (OW) will be installed within 100 feet of Well 74-01, including a 200-foot shallow well and a 500-foot deep well, to monitor changes in groundwater levels (WLs) and changes in deep water quality during ASR operations. A second deep OW will be installed approximately 3500 feet northeast of Well 74-01, along an on-site access road, to monitor WL changes.

Identify the project's significant or potentially significant effects and briefly describe any proposed mitigation measures that would reduce or avoid that effect.

Significant or potentially significant effects are not expected from the project. Groundwater quality is expected to improve with recharge operations because drinking water (source of recharge) is less concentrated in comparison to native groundwater. However, mixing drinking water and native groundwater could produce chemical reactions during storage that might increase the pH somewhat, temporarily mobilize trace elements (e.g., arsenic), and/or produce disinfection byproducts. The stored water will be recovered and conveyed to the District's South Raw Water Reservoir for treatment to comply with drinking water standards. ASR operations require a permit from the Central Valley Regional Water Quality Control Board and this permit will require a Monitoring and Report Program, including periodic testing of the stored water. Initial ASR operations will evaluate potential changes in water quality during storage.

If applicable, describe any of the project's areas of controversy known to the Lead Agency, including issues raised by agencies and the public.

No areas of controversy are known.

Provide a list of the responsible or trustee agencies for the project.

Central Valley Regional Water Quality Control Board: General Order 2012-0010 for Aquifer Storage and Recovery Projects that Inject Drinking Water into Groundwater

State Water Resources Control Board, Division of Drinking Water: Amendment to the District's Domestic Water Supply Permit

San Joaquin County Environmental Health Department: Permit to install observation wells