**Lower Tule River Irrigation District**

**RAPID APPRAISAL PROCESS**

With Extended Recommendations

In 2015, ITRC performed a Rapid Appraisal Process (RAP) evaluation at Lower Tule River Irrigation District (LTRID) on behalf of the California Department of Water Resources (DWR) as part of a program to assist local disadvantaged communities (DACs). The evaluation focused on potential modernization opportunities for water conservation and improved water management.

**PROPOSED SITES**

- Phase 1: Control
- Phase 2: Monitoring
- Buffer (Operational) Storage

Existing storage basins will be upgraded for either irrigation water regulation or groundwater recharge, and sites for additional basins were identified.

- Existing regulating basin location
- Recommended regulating basin location
- Possible future site for regulating basin

**SCADA**

An enhanced SCADA system will allow LTRID personnel to monitor and control flows from the office as well as monitor reservoir water levels at key locations.

**Major Capital Improvement Recommendations**

**Buffer (Operational) Storage**

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**EXISTING SITES**

- Control
**PROPOSED SITES**

- Phase 1: Control
- Phase 2: Monitoring
- Buffer (Operational) Storage

**Modifications to Bifurcation Points and Creation of “Superhighways”**

ITRC uses the term “superhighway” to describe a canal with appropriate water level control structures along its length. Excellent water level control permits the ditchrider to make a flow rate change at the head of the canal, and the flow rate moves rapidly down the length of the canal without the ditchrider needing to “follow the water” down a canal, making changes at flashboards.

**Upper Canal System**

Converting Canals 2 and 3 between the Friant-Kern Canal and the buffer reservoir into “superhighways” will allow LTRID to provide growers with more flexibility regarding request time and irrigation event length.

**Taylor Ditch System**

Taylor Ditch, located near the far western side of the district, will be modified to ensure that little/no water is unintentionally spilled from district boundaries, as well as improve service to farms and simplify operations for ditchriders.