## EXECUTIVE SUMMARY

**General.** The Maxwell Irrigation District (District), in cooperation with Charles W. Tuttle, is proposing to relocate the irrigation pumps of Charles W. Tuttle onto the District's Sacramento River pumping plant. The District's pumping plant, completed in 1994, was constructed with funding from the CVPIA. The pumping plant employs state-of-the-art fish screens, which comply with the criteria of the California Department of Fish and Game (CDFG) and National Marine Fisheries Service (NMFS). The pumping plant structure and fish screens were designed to facilitate the consolidation of the pumped diversions, as is now being proposed. The nominal capacity of the Tuttle pumps will be 20 cfs.

**Objectives.** Tuttle's and other unscreened diversions along the Sacramento River are the primary stressors being addressed under this proposal. The relocation of Tuttle's pumps to take advantage of the District's positive-barrier fish screens will provide immediate benefits to all runs of chinook salmon and steelhead. This is a straightforward and focused action that is a documented near-term restoration action that can reduce entrainment of fish and contribute to the increased production of salmon, steelhead, and other fish in the Sacramento River system. Installing screening diversions, as proposed, will contribute to the cumulative benefits of the Ecosystem Restoration Program. This project is consistent with the Anadromous Fish Restoration Program Action Program, and is consistent with actions identified by the Technical Team working with the CALFED Bay-Delta Program to address stressors.

**Cost.** The work includes engineering design; preparing construction documents, environmental documentation, construction/equipment installation; and construction management. The total budget to design, construct, and monitor the project is $427,900.

**Third-Party Impacts.** There will be no third-party impacts resulting from this project.

**Applicant Qualifications.** The applicant has successfully completed the construction of its river pumping plant using the services of Borcalli & Associates, Inc. (B&A). To ensure the successful implementation of this project, the applicant will retain the services of B&A to manage the project and its design, construction, and monitoring.

**Monitoring and Data Evaluation.** B&A has performed monitoring programs on several similar projects. B&A will prepare, in consultation with the AFSP Technical Team, to ensure screen approach and sweeping velocities are within criteria and the constructed facility meets the approval of the regulatory agencies.

**Local Support/Coordination With Other Programs.** The applicant has notified the Colusa County Board of Supervisors and the City of Colusa of its proposed project. The District's pumping plant is located on an easement, which was obtained from Charles W. Tuttle. The work to be performed will be on Tuttle's property and will require an encroachment permit from the State Reclamation Board for construction affecting the levee.

**Compatibility With CALFED Objectives.** The project is compatible with CALFED objectives for restoring salmon and steelhead. The positive-barrier screen will eliminate stress on juvenile salmonids resulting from unscreened diversions.





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