



Field Activity Advisory Reach 2B (former MLT property) Aquifer Testing September 10, 2018

The San Joaquin River Restoration Program plans to conduct exploratory drilling work, including installing a temporary pumping well and observation wells, and conducting aquifer testing at the proposed Compact Bypass Control Structure location identified in the Mendota Pool Bypass and Reach 2B Project. The work is intended to occur from September 10, 2018 – October 26, 2018. These studies are data collection actions needed to inform hydraulic conductivity for the design of the control structure and to inform about dewatering design in Reach 2B.

Who: Bureau of Reclamation and CDM Smith.

What: The Mendota Pool Bypass and Reach 2B Improvements Project (Project) includes the construction, operation, and maintenance of the Mendota Pool Bypass and improvements in the San Joaquin River channel in Reach 2B. The Project consists of multiple features, including a method to bypass Restoration Flows around Mendota Pool (i.e. the Compact Bypass Control Structure).

To inform pumping and observation well design at the control structure located on the former MLT property, one exploratory borehole will be drilled to an anticipated depth of approximately 55 feet to identify and obtain field samples from the stratigraphic sequence of materials. The exploratory borehole will be drilled by a hollow-stem auger drilling rig (CME-75) and crew capable of reaching a target depth of approximately 55 feet below ground surface (bgs). A borehole diameter of approximately 7-inches is anticipated. Data collected from the borehole will be analyzed to determine or modify the anticipated drilling depths, well size, well materials, screen lengths and slot size for the pumping well.

It is anticipated that the pumping well borehole will be drilled by a mud-rotary drill rig and crew capable of reaching a target depth of approximately 50 feet bgs. A borehole diameter of approximately 20-inches is anticipated. The proposed pumping well will be constructed of 10 or 12-inch schedule steel casing with milled 0.020 slotted screen; a 25-foot well screen is anticipated. Pumping well drilling and installation will be performed in general accordance with California Department of Water Resources California Well Standards Bulletins 74-81 and 74-90 and Madera County requirements.

Once the pumping well post-development analysis is approved, the observation wells will be installed. The observation well boreholes will be drilled by a hollow-stem auger drilling rig (CME-75) and crew capable of reaching a target depth of approximately 50 feet bgs. Borehole diameters of approximately 8-inches are anticipated. A core sampler will be run during drilling.

When*:	Week of 09/10/18	Drill pilot hole
	Week of 10/01/18	Install, develop, and “Post-Development” test the Pumping Well
	Week of 10/08/18	Submit “Post-Development” test evaluation
	Week of 10/15/18	Install and develop observation wells
	Week of 10/22/18	Conduct aquifer pumping test

*schedule is subject to field conditions

Where: Locations for this testing are identified in Figure 1. The larger Project footprint and vicinity extend from approximately 0.3 mile above the Chowchilla Bifurcation Structure to approximately 1.0 mile below the Mendota Dam. The area for the aquifer testing is in Madera County, near the town of Mendota, CA, at the former MLT property.

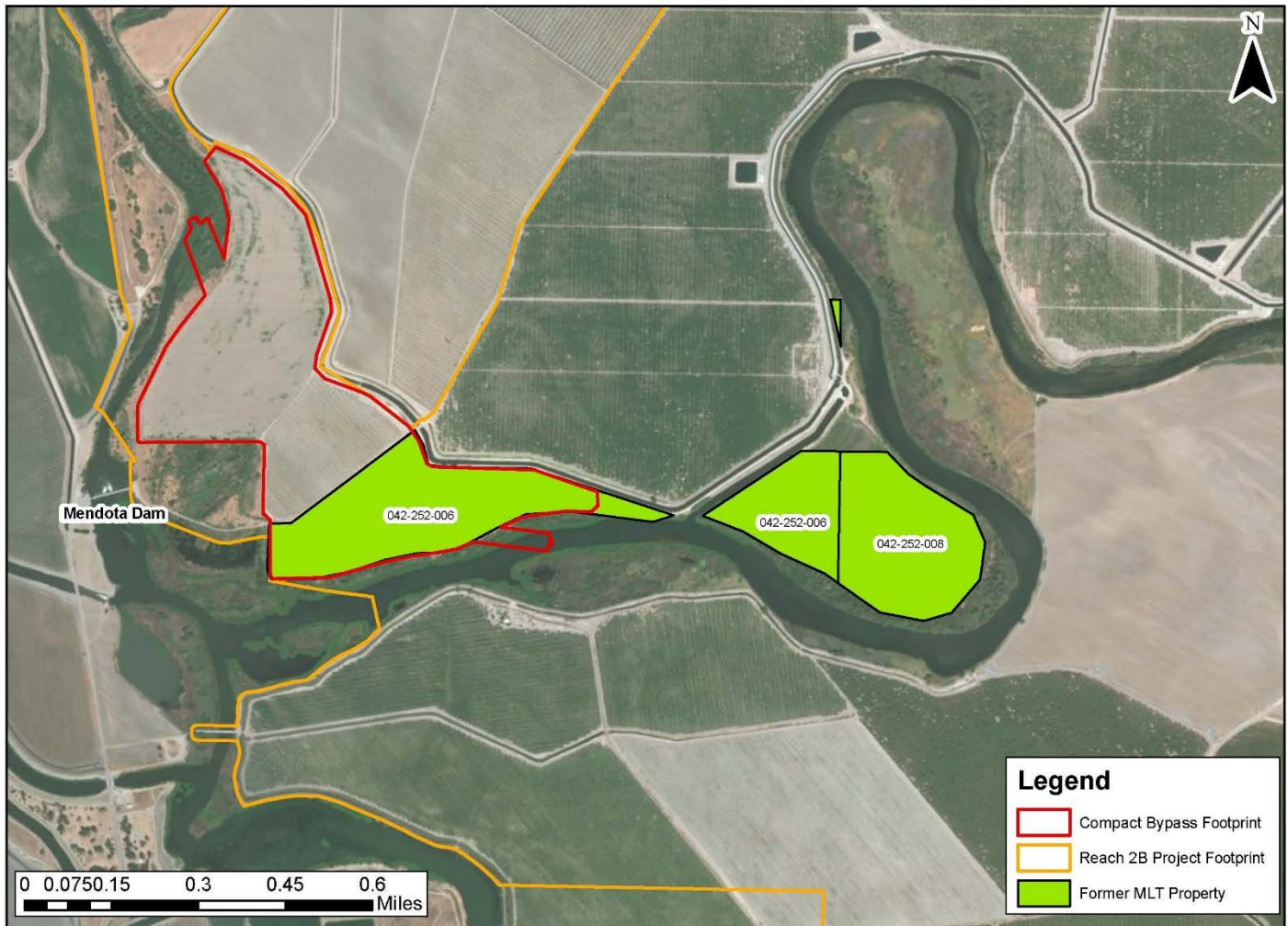


Figure 1: Vicinity of former MLT property and aquifer testing.

Questions about the SJRRP’s field activities on public and private land should be directed to the SJRRP Landowner Coordinator using the information provided below. Any additional questions about the Program should be directed to the Public Affairs Specialist.

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Contact the SJRRP Hotline, 916-978-4398 or email RestorationFlows@restoresjr.net if you see any problems or have any concerns.

For more information, please visit the SJRRP Website at www.restoresjr.net.

Field Advisories are available at <http://www.restoresjr.net/get-involved/field-advisories/>