



**Field Activity Advisory
Reach 2B Project Vegetation Survey for
Channel Hydraulic Model Development
February 22, 2016**

The San Joaquin River Restoration Program plans to conduct a vegetation survey in Reach 2B to take physical measurements of existing riparian vegetation. Measurements of stem diameter, leaf area index and other characteristics will inform the channel roughness calculation of a hydraulic model developed for this section of the river, which extends from the Chowchilla Bypass Control Structure to just below Mendota Pool Dam.

Who: Bureau of Reclamation

What: Staff will conduct non-destructive vegetation sampling in order to compare LiDAR and photography data to actual on-the-ground vegetation measurements. Data pertaining to four vegetation parameters used to estimate roughness in the model will be collected: leaf area index, height, stem diameter, and stem density. Up to 12 plots will be measured within Reach 2B. The plots will be located in a variety of vegetation types to provide a range of information. The data will be used in the Sedimentation and River Hydraulics in Two-Dimensions (SRH-2D) model to predict river flow hydraulics.

When: Sampling will occur between March-May, 2016.

Where: Up to 12 locations are planned in Reach 2B and a portion of Reach 3 (See Figure 1). Survey locations on private property will be completed with landowner permission.

Questions about this activity should be directed to the study's agency point of contact:

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If you have questions, please contact the SJRRP Landowner Coordinator, Craig Moyle. Craig's contact information is provided below.

Craig Moyle, Landowner Coordinator
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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 Web site at www.restoresjr.net.

