

5.4.6 Sessom Creek Sand Bar Removal

~~Based on the 2013 study results, it is assumed for the purpose of budgeting that Texas State University and the City of San Marcos will completely remove the sediment island at Sessom Creek and the 'cut grass' island below University Bridge.~~

Long-term Objective: Remove the necessary amount of sediment in the channel at Sessom Creek confluence and in Sewell Park necessary to maintain optimal conditions for listed species in the San Marcos River.

~~Assumptions: To meet the 2014 work plan deadlines, it is assumed that the entire islands at confluence and Sewell Park will be removed.~~

Target 2014/Performance Measure: Removal of the islands at confluence and in Sewell Park in accordance to the recommendations from the 2013 study results.

~~The analysis and sand bar removal recommendations produced by the Meadows Center should be presented to the Science Committee. The turbidity report required by TPWD for this action and the general sediment removal program should be presented to the Science Committee when complete.~~

Methods: The specific methodology will follow the recommendations contained in the 2013 work plan study results but will ~~include the use of a backhoe or excavator to remove the sandbar~~operating from outside the boundary of the ordinary high water mark. The sediment will be hauled to an off-site location. The sand bar removal activity will have sufficient containment measures so the activity results in no more than incidental fallback. The large grain size of the sandbar prevents use of hydrosuction.~~possibly be the use of backhoes and hydro-suction for the island at Sessom Creek.~~

~~This action could not be accomplished in 2014 due to flows remaining below 120 cfs and the need for a TPWD Sand & Gravel permit.~~

Monitoring: Not Applicable. Measures of success include increased coverage of TWR as well as no uprooting of Sewell Park stands due to flow regime changes upon completion of island removal/modification.

Allocated funds for 2014 from Table 7.1: \$ 75,000

~~Remaining Estimated Budget: \$ 3,75075,000~~