

Planning and Management Considerations for a Stream Field Reconnaissance

Chris Holmquist-Johnson

David Mooney

Department of Civil Engineering

Colorado State University

Fort Collins, CO 80523-1372

e-mail: chrisj@lamar.colostate.edu

e-mail: David_Mooney77@hotmail.com

Abstract. A study on river rehabilitation requires data and collecting this information from the field can prove costly and complicated. Before moving out into the field, a researcher should consider data requirements, organize personnel, and train field crews. The actual trip requires setting travel logistics, adjusting to unforeseen conditions, and documenting efforts. Lastly, upon returning from the field, one should evaluate the trip for future improvements. Supervised by Dr. Chester Watson and Dr. Christopher Thornton, members in the CSU hydraulics department evaluate small streams in the state of Mississippi under the Demonstration Erosion Control Project. These teams collect the data necessary to perform a geomorphic evaluation of erosion protection strategies. This presentation explains the steps taken to organize the field expedition this past January and provides guidelines on how to organize large-scale data collection efforts on streams.