

COLORADO RIVER RECOVERY PROGRAM  
FY 2006 ANNUAL PROJECT REPORT

RECOVERY PROGRAM  
PROJECT NUMBER:  
FR-Du Sed. Mon.

- I. Project Title: Duchesne River Sediment Monitoring
- II. Principal Investigator(s): Terry J. Hickman  
Environmental Programs Manager  
Central Utah Water Conservancy District  
355 W. University Parkway  
Orem, Utah 84058-7303  
801.226.7174 (O) 801.380.0686 (C)
- III. Project Summary: To address the uncertainty associated with flow recommendations in the amended Duchesne River Biological Opinion for the lower Duchesne River, the Recovery Program has determined it would be beneficial to install an automatic sediment sampler at the new Randlett Gage site. Data collected from sediment sampling will enable the development of sediment transport equations which will assist in fine tuning the flow recommendations. The sediment sampler will operate for three months during the spring and summer, the high flow period on the Duchesne River. These months are typically May, June and July.
- IV. Study Schedule: Continue to collect sediment during high flows for the next two years.
- V. Relationship to RIPRAP: I.F.1. Construct Additional Gages as Needed (in this case sediment monitoring)  
1.G. Evaluate and Revise Flow Regimes to Benefit Endangered Fish Populations – assist in evaluating efficacy of Duchesne River target flows mandated by Biological Opinion
- VI. Accomplishment of FY 2006 Tasks and Deliverables, Discussion of Initial Findings and Shortcomings: The USGS completed the daily and cross-sectional sampling. They were able to collect two samples a day over a three month period and only missed about one week when the stage fell below the ISCO intakes during low flow. USGS will be shipping the samples out for analysis with the next 30 days. USGS is confident that they will be able to produce a good sediment record due to good sampling coverage for at least a couple of weeks before, during and after high flow.
- VII. Recommendations: Continue to collect sediment during high flows in 2007. The proposed 2007 budget is \$19,000; the Recovery Program's share is \$11,400.00
- VIII. Project Status: Project is on track and ongoing. No changes in project direction, probability of project success, predicted increase funding needs or alignment with RIPRAP objectives are required.

IX. FY 2006 Budget Status

- A. Funds Provided: \$32,970.00
- B. Funds Expended: \$23,400.00
- C. Difference: \$9,570.00
- D. Percent of the FY 2006 work completed, and projected costs to complete: 100% of the work completed at an approximate cost to the program of \$23,470.00
- E. Recovery Program funds spent for publication charges: None

X. Status of Data Submission (Where applicable): Report will be provided by USGS

XI. Signed: Terry J. Hickman  
Principal Investigator                      Date 10/26/06

APPENDIX: None