

COLORADO RIVER RECOVERY PROGRAM
FY 2013 ANNUAL PROJECT REPORT

RECOVERY PROGRAM
PROJECT NUMBER: 156

- I. Project Title: 2011 High run-off aerial imagery processing (stitching).
- II. Bureau of Reclamation Agreement Number(s): This is a funding service agreement between Reclamation offices. There is no contract # per se, just a funding cost authority number that is referred to. X30-0594-0908-170-00-0-2

Project/Grant Period: Start date (Mo/Day/Yr): 01/01/2012
End date: (Mo/Day/Yr): 09/30/2013
Reporting period end date: 11/30/2013
Is this the final report? Yes _____ No X

III. Principal Investigator(s):
Bill Goettlicher /Lisa Krest
U.S. Bureau of Reclamation
Technical Service Center 86-68260
P.O. Box 25007
Denver, CO 80225
(303)445-2275/303-445-3260
bgoettlicher@usbr.gov
lkrest@usbr.gov

IV. Abstract:

The goal of this work is to follow up with the processing of the high-resolution digital photography captured during the 2011 high flow period in the Upper Colorado River Basin. Project goal is to perform unregistered photo frame stitching of all the digital imagery flown in 2011, approx 355 miles. This includes Colorado, Yampa, Green, Gunnison, White, plus 2 short segments of Elkhead Creek and Green through Moab, UT.

- V. Study Schedule: 2012 – 2014?
- VI. Relationship to RIPRAP: General Recovery Program Support Action Plan – I, II, V
- VII. Accomplishment of FY 2013 Tasks and Deliverables, Discussion of Initial Findings and Shortcomings:

Recently the PI developed serious health issues, and the final details of this project are on hold. The 2011 photos aren't stitched together yet, but the individual photos are available for viewing and downloading: <http://upperbasinphotos.com/index.html> The plan was to add the 2008 photos to this site also. The posted images provide good

resolution without excessive loading time. Difficulty in locating the exact location of a particular image is a shortcoming that needs to be addressed before the completion of the project. Contact Jana Mohrman for DVD's with the original imagery at full resolutions (6000x4000`17MB/photo) ½ mile mosaics may be available in the future also. A good viewer to download and you don't need admin rights to install is www.irfanview.com

VIII. Recommendations: Work with the Bureau of Reclamation, Bill Goettlicher (bgoettlicher@usbr.gov) and Lisa Krest (lkrest@usbr.gov)

IX. Project Status: On track and ongoing.

X. FY 2013 Budget Status

A. Funds Provided: \$24,022

B. Funds Expended \$23,853

C. Difference: Ongoing work

D. Percent of the FY 2013 of work completed 50%

E. Recovery Program funds spent for publication charges: \$0.00

XI. Status of Data Submission 50%

Upon project completion, metadata will be included and digital files submitted.

XII. Signed: Bill Goettlicher / Lisa Krest
Principal Investigator Date: 11/13/2013