

COLORADO RIVER RECOVERY PROGRAM
FY 2016 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): 09/30/2016
Reporting period end date: 11/16/2016
Is this the final report? Yes X No

III. Principal Investigator(s):
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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 – 2016

VI. Relationship to RIPRAP: General Recovery Program Support Action Plan – I, II, V

VII. Accomplishment of FY 2016 Tasks and Deliverables, Discussion of Initial Findings and Shortcomings:

The 2011 photos have all been stitched together, and some are available for viewing and downloading: <http://upperbasinphotos.com/index.html> Imagery that is not on this web site is available via Google Drive. The rest of the photos need to be added to the link above. The plan is to have both the 2011 and the 2008 photos on this site. The posted images provide good resolution without excessive loading time. The PDO office has

DVD's of the 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: If you need any help please contact Bill Goettlicher of the Bureau of Reclamation (bgoettlicher@usbr.gov)
- IX. Project Status: On track and ongoing.
- X. FY 2013 Budget Status
- A. Funds Provided: \$24,022
 - B. Funds Expended \$24,022
 - C. Difference: Ongoing work
 - D. Percent of the FY 2016 of work completed 100%
 - E. Recovery Program funds spent for publication charges: \$0.00
- XI. Status of Data Submission 100%
Upon project completion, metadata will be included and digital files submitted.
- XII. Signed: Bill Goettlicher
Principal Investigator Date: 11/16/2016