

GCDAMP Administrative History Project

Year Three Performance Report

Bureau of Reclamation CESU Cooperative Agreement

R16AC00095

Arizona State University

October 1, 2018 – September 30, 2019

(Report submitted November 18, 2019)

Principle Investigator: Dr. Paul Hirt, ASU

Co-Investigators: Dr. Mark Tebeau, ASU

Staff: Kristine Navarro-McElhaney (ASU Oral History Lab)

Research Assistant: Jennifer Sweeney

Web Designer: Patricia Ferrante

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Scope of Work and Summary of Accomplishments in Year 3 (1 Oct 2018 – 30 Sept 2019)

The Scope of Work (SOW) in the Bureau of Reclamation contract for the third year of this GCDAMP administrative history project (pp. 6-7) stipulates that the ASU team would accomplish the following:

- Conduct ten additional oral history interviews, and prepare a list of five final interview subjects for year 4;
- Continue processing and finalizing annotations and transcripts for the oral history interviews;
- Continue developing the web archive and complete the design of the user interface for the administrative history website;
- Begin developing a 15,000-20,000 word narrative history of GCDAMP;
- Continue compiling and refining materials for a new member orientation packet.

Accomplishments

Oral history interviews: We did not meet our goal of conducting ten oral history interviews in year 3, due in part to the refusal of some target interviewees to participate and the lack of responsiveness of others to our multiple requests for interviews. We did complete interviews with Randy Seaholm, Leslie James, and William Davis, although Mr. Davis declined to an oral interview and instead responded in writing to the interview questions. The following people agreed to an interview in principle but have not yet agreed to a meeting date for conducting the interview: Chris Harris (CA rep), Richard Begay, and Angelita Bullets. I will endeavor to schedule these interviews ASAP. Randy Peterson (AMWG program manager in SLC) has never responded to my requests for an interview. Ted Melis (GCMRC) declined to be interviewed.

Annotations and transcripts: My team did, however, make excellent progress creating finalized, publishable transcripts of our previous interviews, including detailed minute-by-minute annotations to serve as a content index for the interview transcript. This is by far the most time-consuming aspect of an oral history, requiring about 20 hours of annotating and transcription editing per hour of interview. Finalized oral history interviews can be viewed here: <https://dev-gcdamp2.ws.asu.edu/archive/collections/oral-histories/>

Website and archive: Despite losing the two ASU faculty members responsible for developing the archive and website at the end of year 2, we nevertheless made

substantial progress on this component of the project after hiring an independent web developer and re-structuring our plans for the archive and website. As noted in the Year 2 Report, Dr. Joshua MacFadyen, who was spearheading this component of the project, took a permanent job in Canada in the summer of 2018. Subsequently, we abandoned the contract he had arranged with DiscoveryGarden because of high maintenance costs and the platform's complexity. We found a very attractive alternative through the ASU Library for permanently preserving the archive. ASU is launching a Digital Repository for the permanent preservation of digital records and we secured permission to upload our archive materials into the repository. The cost will be a one-time fee of several hundred dollars as compared to DiscoveryGarden's fee of \$3,000/year. Our web designer/developer, Patty Ferrante, is in the process of moving all our digital objects (audio, video, images, documents) from a developer website at ASU into the Digital Repository. Ms. Ferrante will then build a user-facing interactive website on a Word Press platform that will link to the objects permanently preserved in the ASU Library's digital repository. The domain name (URL) is GCDAMPhistory.org. It has been registered on Reclaim Hosting on a Faculty/Professional Plan for only \$50/year. Once the website is complete at the end of year 4, the ASU Library will use a web crawler service to capture the entire administrative history website and preserve it permanently in static form in the digital repository. That way, if the domain registration on Reclaim Hosting is not maintained in the future the entire website will still be accessible at ASU. This finally provides a low-cost permanent solution to preservation of both the archive and the website.

Narrative history of GCDAMP: In addition to the work on the transcripts and archive/website in year 3, Hirt and Sweeney began collaboratively writing portions of the administrative history. The initial effort unfolded in the context of writing an essay on GCDAMP history for the Grand Canyon Centennial issue of the *Journal of Arizona History*. It will be published in December 2019 under the title "Grand Adaptation: A Dammed River and a Confluence of Interests" (11,000 words). This essay will form the foundation of a more complete administrative history, which we will continue to write throughout year 4.

New member orientation packet: During years 2 and 3 my team prepared a list of materials that we believe should be included in an orientation packet for new members of the GCDAMP. The packet is being uploaded to our new archive and website and will be available by year end of 2019.

Note on personnel changes: Starting in year 3, Dr. Mark Tebeau voluntarily ended his advisory role on the digital components of the project. All work on that aspect of the project is being accomplished by Hirt and independent contractor Patty Ferrante.

Halfway through the 3rd year (in the spring of 2019) staff member Kristine Navarro-McElhaney left ASU for another job. Since that time, all work on the oral histories and transcripts have been accomplished by Sweeney and Hirt. Ms. Sweeney graduated with her M.A. degree in public history in May 2019 and now works for the project as an independent contractor rather than as a student on hourly wages. She has taken over all the tasks formerly assigned to Ms. Navarro. As a consequence, you will see in the budget summary below that the salary and benefits assigned to MacFadyen, Tebeau, and Navarro were largely reallocated to Hirt, Sweeney, and Ferrante.

Budget/Expenditures Summary for Year 3

Reclamation allocated \$50,000 for project expenses in year 3. In addition, there was a surplus of \$14,207 that rolled over from year 2. Therefore, available project funds in year 3 totaled \$64,207. Expenditures in year 3 totaled \$48,868. That leaves a surplus of \$15,339 that rolls over into year 4 (Oct 2019-Sept 2020).

Attached on the next page of this report is a budget and expenditures spreadsheet prepared by my academic unit with separate columns showing: the total approved project budget by line item; the combined budget for years 1-3 by line item; actual expenses in years 1, 2, and year 3; and the total cumulative expenditures to date for years 1-3.

Salaries, wages, and benefits came in slightly under budget for the first three years.

Travel expenses, totaling only 23% of budget, were the greatest variance from projected costs (for the third year in a row) and explain nearly all the budget surplus remaining at year end.

Web contract/consultant expenses are nearly 3 times above budget, totaling \$12,724. This is for two reasons: (1) Web design and development is no longer being done by my ASU faculty co-investigators Drs. MacFadyen and Tebeau, who exited the project at the end of year 2 as explained above. Instead, this work is being accomplished by Ms. Ferrante on an independent service contract. Funds that would have gone to salary for Tebeau and MacFadyen in years 3 & 4 are being paid to Ferrante as a contractor. (2) Research associate Jennifer Sweeney was being paid on student hourly wages until June 30, 2019. She graduated with her Masters degree and since then has worked for the project as an independent contractor. Consequently, the wages allocated for "graduate student" in the budget in year 3 were not all spent. Nor will funds in that category be spent in year 4 as payments to Sweeney will be reported under the "Contractual-Consultant services" line item. Thus, this particular line item will continue to show an increasing budget variance in year 4. Nevertheless, total project expenses remain well below budget at the end of year 3 and will not exceed the budget for year 4.

Please note that I will retire from ASU in May 2020 and will not request any funding for Year 5, even though a 5th year of funding was authorized in the contract. I expect to have all project deliverables completed by Sept 30, 2020.

BUDGET/EXPENDITURES FOR YEARS 1-3

USBR-ASU Cooperative Agreement - CESU

Expenses Year 1 Summary Expenses Year 2 Summary Expenses Year 3 Details Expenses Cumulative Years 1-3

# R16AC00095	Approved 5-yr Budget	Three Year Budget	9/16-9/17 Actuals	9/17-9/18 Actuals	9/18-9/19 Actuals	Life To Date Actuals
Salaries and Wages						
Project Investigator	50,000	30,000			14,148	
Sr. Researcher	10,150	6,090				
Researcher	14,000	8,400				
Research Technician	17,226	10,336			323	
Graduate Student	28,000	16,800			5,820	
Total Salaries and Wages	119,376	71,626	21,084	29,348	20,291	70,723
Fringe Benefits ERE						
Project Investigator	15,344	9,206			3,862	
Sr. Researcher	3,115	1,869				
Researcher	4,296	2,578				
Research Technician	6,841	4,105			107	
Graduate Student	179	107			122.22	
Total Fringe Benefits	29,775	17,865	5,417	7,133	4,091	16,641
Travel & Fees						
	53,485	32,091	1,468	104	5,716	7,287
Total Travel	53,485	32,091	1,468	104	5,716	7,287
Supplies/materials						
Portable Recorder	500	300				0
Total Supplies	500	300	0	0	0	0
Contractual/Consultant (services)						
Web Consultant	8,000	4,800	0	3,384	9,340	12,724
Total Contractual/Consultant	8,000	4,800	0	3,384	9,340	12,724
Total Direct Costs	211,136	126,682	27,968	39,969	39,438	107,374
Indirect Costs (Fac & Admin)						
Colorado Plateau Cooperative Ecosystem Studies Unit	36,948.82	22,169	4,894.48	4,465.99	9,430.32	18,791
Total Indirect Costs	36,949	22,169	4,894	4,466	9,430	18,791
Total Estimated Project Cost	248,085	148,851	32,863	44,435	48,868	126,165

Work Plan for Year 4

Oral History Interviews

I plan to complete twelve oral history interviews in Year 4, bringing the project total to 30 interviews, as promised in the contract.

Prospective Oral History Interview Subjects for Year 4

Randy Peterson

Former AMWG Program Manager for BoR in SLC. Retired.

Duncan Patten

Riparian ecologist and early participant in Glen Canyon Environmental Studies

Richard Begay

Navajo Nation member

Chris Harris

California representative on water issues

Bob Lynch

Attorney in Phoenix, represents AZ water interests, drafted articles of incorporation for CREDA

Angelita Bulletts (suggested by Richard Begay)

USFS; Kaibab Paiute Tribe member

Loretta Jackson (suggested by Kerry Christensen)

Hualapai Tribe

Lori Caramanian (suggested by Mary Orton)

Former Deputy Assistant Secretary for Water and Science at U.S. Department of the Interior.

Paul Grams (suggested by Jan Balsom)

Sediment researcher.

Amy Heuselin

Founding member GCDAMP; BIA connection; advocated for tribes prior to their inclusion as AMWG stakeholders

Dennis Kubly

GCDAMP Program Manager

Ed Norton

Grand Canyon Trust; essential to passage of GCPA

Don Ostler

Upper Basin States Representative

Rich Valdez (Utah State University)

Fisheries scientist.

Linda Whetton

Long-time administrative aid for AMWG and TWG

We are open to suggestions and adjustments to this list.

Administrative History Narrative

Jennifer Sweeney and Paul Hirt will continue drafting the administrative history narrative. About half of the task was completed in summer and fall 2019. A complete draft will be shared with Reclamation and GCDAMP advisors for feedback by summer 2020. Revisions will be made based on feedback and the final narrative posted on the project website and delivered to Reclamation by September 30, 2020. A short version of the administrative history will be published in the *Journal of Arizona History* in December 2020 for the journal's Grand Canyon National Park Centennial commemoration issue. Sweeney and Hirt are also working on an article for the *Idaho Law Review* emphasizing the role of GCDAMP in endangered species research and recovery efforts at Grand Canyon, which is due for peer review on January 1, 2020.

Website and Archive

Consultant Patty Ferrante is currently moving the collection of "Key Documents" for the administrative history and all the oral histories we have collected into the ASU Library's Digital Repository for permanent preservation. This requires a laborious process of tags and identifiers for each item, and the development of an archival organization framework. Fortunately, we already developed a protocol for tagging and an organizational framework in previous years on the Discovery Garden platform, but now we have to rebuild everything into the new ASU Library and Word Press platforms. Good progress was made late in year 3 on this task and the remainder will be completed in year 4. We have narrowed the scope and ambition of the website to focus primarily on documents relevant to the administrative history rather than try to create a comprehensive searchable archive of all the science that has been done, which would be beyond our capabilities in the next year and somewhat duplicative of the work being accomplished by GCMRC, USBR, and the GCDAMP Wiki site.