



Floodplain Management Working Group Meeting Notes

May 28, 2020

via Zoom Meeting

In Attendance

Mitchell Blum, HDR	Dean Patterson, Churchill County
Lyndsey Boyer, CCOS	Brian Peters, Alpine County
Kathy Canfield, Storey County	Darcy Phillips, River Wranglers
Coralee Ditman, Washoe Tribe	Carlos Rendo, NDWR
Robb Fellows, CCPW	Catrina Schambra, CWSD
Shane Fryer, CWSD	Loren Secor, CWSD AmeriCorps
Brenda Hunt, CWSD	Christy Sullivan, LCD
Ed James, CWSD	Patricia Tierney, NDEP
Elise Jared, ACE	Courtney Walker, Douglas County
Tammy Kinsley, Lyon County	Erin Warnock, NDWR
Lori Leonard, TNC	Richard Waskowski, JE Fuller
Mo Loden, AWG	Lynn Zonge, RCI
Debbie Neddenriep, CWSD	

Round Robin Updates

Richard Waskowski, JE Fuller

JE Fuller is finishing up the South Dayton ADMP project. Everything except public meetings will be done in the next few months. Also working on the Ruhensroth ADMP project; currently finishing up the hydrology.

Tammy Kinsley, Lyon County

March 30-May 22 she served as Planning Section Chief, QCEO. This week she is just getting back to her regular position with Lyon County and getting adjusted to working from home.

Kathy Canfield, Storey County

Storey County offices have remained open. Working on a Water Resources Plan with Far West Engineering and are currently reviewing their plan for the first phase.

Patricia Tierney, NDEP

She has mostly been working with grant partners to adapt plans to work within Covid-19 restrictions and planning for the future.

Coralee Ditman, Washoe Tribe

Not much work in Watershed lately, focus has been on restoration of Pine Nut range.

Darcy Phillips, River Wranglers

Working on YouTube Content Videos and lots of training. Planning for a fall without field trips and classroom visits.

Erin Warnock, NDWR

Currently in the process of converting their regular training to virtual platforms.

Rob Fellows, CCPW

We were all set to kick-off the Westside plan when COVID-19 hit. We are looking at our options to move forward.

Mitchell Blum, HDR

The Douglas County Carson River Remapping project is in the internal QC review process before sending to FEMA. (This is the response to the FEMA comments on the first submittal.) The Pine Nut project is also in the final internal QC review. Then it will go to the Floodplain Managers in Douglas County, then it goes to FEMA. HDR can arrange for review by CWS and the working group before moving forward. The newest project is a Mapping of Lahontan thru Churchill County. The hydrology has been revisited since the original mapping and a physical map revision needs to be done.

Debbie Neddenriep, CWS

Churchill County has met with FEMA and BOR working on the 1% Annual Chance Flood. She is also working on the MIP fix, after all the contractors were bumped off.

Brian Peters, Alpine County

The Floodplain at the old Forest Service Markleeville Guard Station in Markleeville (which the county obtained at least 8 years ago) has finally been funded for a phase one. AWG is working on this project and it is probably a year out from start date, but this is great news for Alpine County! The total amount is \$850,000 for phase one, but the total amount for the project is close to double that. The pipeline may be changing direction, due to a different engineer that has come onboard since the inception of the project. Other news is a change in staffing: He is retiring at the end of June and Debbie Burkett will be taking over in the Director position. Zach Wood and AWG will be coordinating participation in the FMWG in the future.

Lori Leonard, TNC

Fortunately, we were able to complete some streambank stabilization work before the COVID-19 restrictions hit and CVCD was able to complete bioengineering work, but we missed our opportunity to plant Cottonwoods this year. Currently the facilities at River Fork Ranch Preserve are closed until July 1 and all our regular events have been cancelled, but the trails are still open.

Courtney Walker, Douglas County

We have been working with BLM to install a few required basins as identified in the Johnson Lane ADMP, and the settlement agreement. Also working on the NEPA process to do an EA. She will initiate a NEPA document this summer to identify all improvement projects that Douglas County is likely to implement. Also, the Maintenance Dept will be implementing improvements identified in the Alpine View ADMP.

Carlos Rendo, NDWR

NDWR is looking at shifting to virtual outreach programs and working on 3rd grade/middle school education for students and their families. Also planning for Flood Awareness Week in mid-November.

Elise Jared, ACE

The Silver Jackets Program is finishing up on 2 Story Maps projects: "Muddy & Virgin Rivers" and "Humboldt, Truckee & Carson Rivers." These are in the final review process before being released. They are also providing tribal support via Floodplain Mapping. Next year we will be providing dam safety support with an Emergency Action Plan and a tabletop workshop project. These are expected to be completed by early fall. They are also working with Douglas County on a Floodplain Management Guide update.

Lyndsey Boyer, CLOS

Lyndsey is excited to have been recently promoted to Open Space Manager! They will be beginning construction soon on a trail project from 5th Street down to Silver Saddle in Carson City, a trail thru Silver Saddle and then a trail old Buzzy's Ranch along the river. This will provide lots of trail connectivity. The Mexican Dam portage improvement project is in progress. This is a long-awaited improvement that is partially grant funded thru CWS. Also working with Shane Fryer and Lynn Zonge on additional improvements to this area. Another project is at the south end of Prison Hill (the motorized area adjacent to the river) where they are in process establishing a Master Plan to deal with erosion and other issues related to unmanaged recreational use.

Mo Loden, AWG

The Hope Valley - 4th Crossing Bridge Bank Stabilization project is happening. Hoping to start construction projects by late summer or early fall.

Shane Fryer, CWSD

Currently finalizing the NFWF grant. This has been a 5-year weed project! The Geomorphology Project he has been working on with Lynn Zonge is almost completed. It will be a less than 10-minute educational outreach presentation to show Planners, Boards, etc. Should be ready to present in by end of June. He is also working a Watershed Adventure project for River Wranglers. He is excited about the new grant for Drone work that he will present later in the agenda.

Grant Updates

- NDEP Watershed Coordination/Watershed Literacy (Brenda Hunt)
 - The 319 was recently completed and we are now moving forward with a new NDEP Watershed Coordination Grant.
 - CWSD is continuing work with the NEON Agency on the Watershed Literacy program. The next step in the “I AM CARSON RIVER WATERSHED” campaign is the “Watershed Moments” video, and we are also working to complete the Drinking Water video. The contract to finish these projects is being finalized now, and after the COVID-19 restrictions are lifted, we are eager to get started on filming again.
 - We are currently working on the latest newsletter. The newsletter will now be published twice a year going forward, approximately every six months. The next issue will be published in June.
- The Carson River Management Forum held March 10-11 at WNC was a great success and well attended! Brenda gave a presentation of the events and speakers who participated, as well as ideas and plans that came out of the workshops. In the break-out workshops by county, the activity was to chart projects relative to our stewardship plan and critical areas of focus. CWSD has worked on the notes from Alpine County as an example which Brenda shared to the group. The charted notes from each area's workshop group will be sent out for them to fill in the gaps. The goal is to be able to share plans and activities with each other as a coordinated effort to best serve the needs of the entire watershed, while keeping aligned with our stewardship plan. The notes are placed in a chart designating critical areas, funding needed, project partners, dates, etc. Counties will be sent the notes and asked to add/edit and return by the end of June if possible. These workshops provided valuable information for all our partners and continued input is essential. When it is completed not only will it be shared with our group, but to our funding partners as well, so we all are aware of what is currently happening and planned for in the watershed.
- Mercury Update (Brenda Hunt)
 - Since no representative is in attendance, Brenda Hunt gave a brief update based on her recent conversation with Andy Bing who is the EPA Project Lead for the Mercury Superfund Site. They are currently in the process of completing the Record of Decision document that will then be released for public comment. When it is released, there will only be a 30-60 days window to submit comments. Brenda says it is very important that all counties and agencies respond. She was

hoping for an overview and possible date today, but keep it on your radar to be happening very soon and the overview presentation is available from the March Forum if you'd like to view for background on this subject.

- **FEMA MAS PROJECTS**

- Lyon County – Richard Waskowski (JE Fuller) reported the South Dayton ADMP project is finalizing report to be submitted in the next few months, followed by a public meeting when that is possible.
- Churchill County PMR/Hydrology Summary – Ed James reported the hydrology analysis being used is unique because Churchill County is located below the Lahontan Reservoir and much has changed since the previous mapping. Shane Coors has been using River Ware software to develop the hydrology for below Lahontan and is completing his report now.
- Carson Valley Floodplain Mapping – Reported in Round Robin.
- North Carson City Mitigation Study – Rob Fellows said the final report was given to the Board of Supervisors in Feb or Mar and they accepted the findings of the report that list 2-3 projects for them to choose from. Currently, CC is looking at funding for these projects.
- West Carson City Mitigation Study – Rob Fellows reported that COVID-19 stalled this project, but he is hoping to start moving forward soon.
- Pine Nut Study & Ruhensroth ADMP – Reported in Round Robin.
- Flood Awareness - Debbie Neddenriep reported to add to Carlos Rendo's update, due to the COVID-19 restrictions, all in-person events have halted and the contract date has been extended as a result: The current round of FAW funding has been extended to June 20, 2021, and the next round of funding will start thereafter and end June 30, 2022.

- **FEMA MAS 11 Funding**

- Debbie reported the FEMA MAS 11 funding request had been submitted last week and included several projects:
 - Smelter Creek Restudy & Remap
 - Clear Creek Restudy & Remap
 - Phase 2 – Ruhensroth ADMP
 - Web Access System for ADMP Data
 - Carson River Flood Forecasting Model
 - Flood Awareness (FAW)

USACE Alluvial Fan Mapping Study Presentation

Elise Jarrett, Water Resources Planner, USACE gave a presentation on this completed study.

Data included mapping and classifying 297 alluvial fans within the Carson River Watershed.

Geological and hydrological analyses were completed to identify alluvial fan risk. The report has been viewed at [USACE Alluvial Fan Study](#).

NDEP 106 Drone Monitoring Grant Presentation

Shane Fryer is very excited about this project! He received his drone pilot license last year and started flying the river for CWSD projects. His efforts using his personal drone were so impressive NDEP suggested this grant for use with 106 funds. The grant included funds to purchase an updated, more powerful drone to use in future studies. NDEP owns the drone, but

Shane is the official pilot! His presentation included footage from his 22 missions flown so far. It showed amazing pictures and videos, as well as mapping tools available with this new technology. He is still learning everything he can do with it. It is definitely a great new tool for monitoring the river! His presentation will be added to the CWSD website soon. Many in the group were very interested in using the drone in some of their projects and were encouraged to contact Shane directly at shane@cwsd.org.

USBOR WaterSmart & Water Market Development Grant Presentation

Ed James updated the group with a brief overview of the BOR WaterSmart grant, while presenting a few slides from the Lumos report which given at the CWSD Board meeting in May. The study of the availability of water supply over a 10-year period is looking for averages to identify trends. What it is showing is there are no more “average” years. The drier years are even drier, and the wet years are even wetter. The study shows only extremes in one direction or the other. This is what mother nature is giving us. The complete Lumos presentation is on the CWSD. To view [click here](#).

BRIC (Building Resilience in Infrastructure for Communities)

Janell Woodward (DPS) could not join the meeting today, but Brenda Hunt and Debbie Neddenriep did want to give the group a heads up on what she would have spoken about: BRIC. This is a new program and source of funds from FEMA for HMP projects. Storey County HMP funding was recently approved and CWSD is working to become an annex to the Storey County Hazardous Mitigation Plan. If CWSD becomes a jurisdiction in this program, it would give us access to this funding for large projects focused on hazard mitigation in the future.

Calendar of Virtual Webinar & Conference Links

June 1-3

[National Flood Conference Webinar](#)

June 9-11

[2020 ASFPM Annual National Virtual Conference Registration](#)

June 29-30

[California Water Data Science Symposium | California State Water Resources](#)

June 30

[California Extreme Precipitation Symposium: Connecting Rain-on-Snow Events, Atmospheric Rivers, and Floods](#)

September 9-10

[StormCon 2020](#)