



Floodplain and River Management Working Group Notes

Tuesday, January 23, 2018
1:30 PM – 4:30 PM

Location: Ponderosa Room at Carson City Community Center (SE Corner of Community Center Gym) William Street, Carson City, NV 89703

Nicole Goehring, NDWR
Lyndsey Boyer, CC Open Space
Mary Crawley, NDSL
Ann Bollinger, CC Open Space
Bunny Bishop, NDWR
Rob Pyzel, Lyon County
Rob Loveberg, Consultant
Steve Lewis, UNCE
Christy Sullivan, LCD
Erik Nilssen, Douglas County
Andrea Moe, NDA
Courtney Walker, Douglas County
Keith Weaver, HDR Engineering

Louise Thompson, CWSD
Brian Peters, Alpine County
Ed James, CWSD
Jean Stone, NDEP
Robb Fellows, CCPW
John Coborn, UNCE
Shyla Lemons, CCPW
Kayla Meyer, NDWR
Darwin Holyan, Washoe Tribe
Debbie Neddenriep, CWSD
Brenda Hunt, CWSD
Karin Peternel, MBI
Geoff Brownell, MBI

1. Welcome

2. 1:30 – 3:30 pm **Agenda FEMA Discovery and Regional Floodplain Management Plan(RFMP) Update Meeting #**

Meeting Goals:

- ❖ Finalize Discovery Plan- There was a call for amendments to be sent to Brenda by 1/31/2018.
- ❖ Gather feedback on needed revisions to format and content of existing RFMP to improve the document, and
- ❖ Determine how to best collect additional data, mainly in regard to updating the rapid evaluation in current RFMP.

A. Quick Project Overview of Discovery and Floodplain Management Plan Updates

B. Review Final Draft Discovery Report before meeting – Follow link:
https://eftp.mbakerintl.com/link/Sfz2VZxtATgBcZ2dkrMfBk_-

ACTION: Provide comments back by end of January!

C. Carson River Watershed Regional Floodplain Management Plan (RFMP) Improvements Brainstorm (open discussion)

Please Review the [2008 RFPMP](#) and the [2013 Supplemental Update](#) in preparation of this discussion. Please come prepared to:

1. Share opinions about:

- a. Information gaps- it would be good to include how the FMP relates to other documents: Stewardship Plan, Flood Hazard Mitigation, etc.
- b. Format improvement – The executive summary will be reduced and will improve readability by removing redundant information and creating consistent terms.
 - Page numbers in the appendices
 - Matrix of CRS credits
 - Shorter executive summary
- c. Document usability -Add a description plan's purpose, why is it useful to County and how to use it.
 - Include a specific status update of previously listed actions (perhaps in a matrix form).
 - Categories of actions – in one table and also categorized per county- so each jurisdiction can pull out when needed.
 - Need to update river conditions and what changes have occurred on the river since the original report was published (See Rapid Evaluation 2007 FMP. Brenda described potential FEMA PDM funding for an updated geomorphology/sediment transport report to be done on the River. Various sections of the river have had data collected, such as the Navy imagery collected last year, but that data needs to be compiled and gaps filled to know where changes are substantial and any new hazards which may have developed.
 - Refer to revised (2015) Riparian Proper Function handbook which includes discussion about altered floodplain and the potential for improved riparian function.
 - Develop prioritization criteria and map to identify areas that are of most concern for safety, river rehabilitation, areas of severe erosion and sediment transport with plant growth in river bend; also need to identify high quality habitat such as existing cottonwood galleries and areas where the river effectively accesses the floodplain to preserve. (geomorphology study referenced).
 - Need sediment transport study
 - Two UNCE brochures were identified that could be updated and perhaps included in an appendix were: Floodplain Protection Inventory for the Carson River and River Corridor Protection: Carson River Coalition's Main Message.

- Brenda suggested to incorporate the floodplain inventory into the document and periodically update it as counties acquire land for protection. This is can be one measure of our success.
- Open space designations
- Outline living river concept in detail, what it means, how to apply in planning.
- Identify potential funding sources for planning and implementation

d. What would make it more useful to you?

- It was noted current FEMA funding is helping counties update floodplain ordinances to consider new FIRM maps and language about process to update to the Hydraulic Model.
- Identify Additional Sections:
 - i. See Sherm Swanson’s publication: RIPARIAN AREA MANAGEMENT: Proper Functioning Condition Assessment for Lotic Areas (<https://www.blm.gov/documents/national-office/blm-library/technical-reference/blm-technical-reference-1737-15>) that relate to sections of the plan- capability vs. potential ‘altered potential’- no longer worth assessment (which riparian functions need to exist for proper ecosystem function).
 - ii. Alluvial Fans
 - iii. Stormwater/Low Impact Development
 - iv. CRS who’s in/ who’s not/ benefits& liabilities of each
 - v. Others?

2. Clarify Data - Needed beyond Discovery Report
See Item D below.

D. Data Requests from Communities- In person data collection suggested.

- Focus meetings for Rapid Evaluations per county welcomed
1. Economic Impact Data
 2. Emergency Response and Flood Warning including Emergency contacts
 3. Plan for Implementation of Flood Risk Projects
 - Will projects promote or reduce flooding?
 4. Funding Opportunities
 5. Incorporate Each Jurisdiction’s Hazard Mitigation Plan
 6. Rapid Evaluation of River Systems
 - a. Provide Last Rapid Evaluation: If available, as the existing evaluations only cover portions of the watershed. **Action: Brenda to send out.**
 - b. Review before Interviews **Action: Each County review past Rapid Evaluation for content for riverine reaches. See below.**

- i. Regarding Rapid Evaluation- The meeting attendees clarified these are qualitative, river-focused desktop reviews. Projects to be prioritized by county vs. watershed wide.
- ii. Suggest Rapid Evaluations for Carson City, Lyon County, and Churchill staff members, conservation district, NDEP rep, CWSD staff
- iii. Alluvial Fans will need to go through same process. **Action: Each County should review USACE Alluvial Fan Report. Additional request for information will be forthcoming from CWSD and Michael Baker.**

7. Suggested Actions

- a. Review Current List to determine current, obsolete, or needs updating
 - o Add suggested actions not already on list. Delete actions completed but capture what has been completed in another form. **Action: Counties to review suggested actions and 2013 Appendix in advance of interview.**
- b. Please identify constraints to achieving current suggested actions (funding, political will, etc.) (See Stillwater Report as well).
- c. Will also want to ask if each SA is low, medium, or high priority from county perspective. **Action: Counties to evaluate based on previously provided information.**

E. Next Floodplain Management Plan Revision/Update Meeting Date

1. Schedule Jurisdiction Interviews with Brenda Hunt and Karin Peternel between 1/29 - 2/16/2018; hoping to schedule 2 jurisdictions on the same day.
 - a. Alpine County and Douglas County
 - b. Carson City and Storey County
 - c. Lyon County and Churchill County
2. Next FRMP Revision Meeting TBD- doodle poll

3. 3:30-4:30 pm **CRC Floodplain & River Management Working Group - Regular Meeting:**

- A. Presentation on results of USACE Alluvial Fan Mapping Project (Bridget Floyd, USACE)- (see attached presentation). The report and associated data can be obtained from CWSD. Contact Brenda@cwsd.org or Debbie@cwsd.org. Ms. Floyd stressed this report is for informational purposes and is an initial study/screening tool. She reiterated this is not a planning level document as it has not been ground-truthed and boundaries are not exact. Ms. Hunt asked Ms. Floyd to send potential project recommendations via email (next steps to make information applicable and useful). Ms. Bishop, state floodplain manager, noted to staff future project proposals would need to be applied through Silver Jackets committee. Mr. Floyd noted Margaret Engessar is the person to speak with about the Corps internal funding availability. After Bridget's presentation Geoff Brownell commented on the USACE's basic definition of active and inactive fan refers to the active geologic process. This definition is different from FEMA's definition from a flooding / risk perspective. He suggested mapping the alluvial fans using a more thorough process such as hydraulic analysis to assess flood risk. He also mentioned the importance

of each alluvial fan being unique, making a mass-classification process difficult in terms of accuracy.

B. 3-minute Member Round Robin updates

- Carson City noted new mapping for Goni Canyon was close to being finalized and that Eagle Valley golf course A and B are finalized.
- State lands and Churchill County are working aims to secure longer term permits for year-round clearing of the river and are working together to develop a protocol for doing so. This is a work in progress and may be a template for future permitting of clearing and snagging.
- CWSD mentioned USBR application is proposed from CWSD to develop a drought contingency plan to develop a matrix of ranked storage sites in the watershed. (Note: this application has been put on hold).
- Alpine Watershed Group mentioned March 10th volunteer water monitoring opportunity. Contact Gavin Feiger for more information.
- Rob Loveberg mentioned he is working on reviewing and writing update floodplain language for county codes and standards for CWSD.
- The Nevada Department of Agriculture's Weed Free Forage and Gravel program was defined and promoted by Andrea Moe
- The Dayton Area Drainage Master Plan project is underway.
- State Floodplain Manager's office will be offering classes in April. Ms. Bishop introduced Nicole Goehring, who is now in charge of state floodplain mapping. Ms. Goehring recently completed her master's degree in Geology at UNR.
- Carson River Coalition annual forum is scheduled for April 11 & 12. The plan is to use a portion of the first day to include another workshop on the Regional Floodplain Management Plan draft.

C. Grants Update

1. NDEP 319 Grants:

- a. Stewardship Plan Update 2017 – Brenda explained that the CWSD Board adopted the Watershed Plan in Jan 2018; however, the doc was certified by NDEP that it met the nine elements to be considered an EPA Watershed based plan in Nevada. That means the plan can be used to obtain 319 funding in NV. There is more work to do with Lahontan and the CA EPA rep to obtain certification on the CA side. CWSD will continue to work with those entities, including Alpine Watershed Group, to work toward certification so it can eventually be used to obtain 319 funding in CA.
- b. Watershed-Literacy Grants –An update was provided on specific tasks. CWSD is working diligently to complete Phases II & III tasks.

2. 208 Planning – Contract documentation is being reviewed between NDEP/CWSD and our subcontractor, Rob Loveberg to review county ordinances and create ordinance templates in relation to LID implementation throughout the watershed.

3.FEMA Projects Updates

- a. Finalizing:

- i. Carson City Eagle Valley Maps Published; Alpine Estates; and Goni – Under FEMA review
- b. Remapping:
 - i. Voltaire Mapping put on hold
- c. Area Drainage Master Plans:
 - i. Johnson Lane ADMP finding will be presented April 10, 2018, 5-10pm (more details at meeting) (Erik/Courtney); Propose to have Mike Kellogg, JE Fuller repeat presentation at Carson River Coalition on April 11, 2018.
 - ii. Dayton Valley ADMP moving forward with JE Fuller
- d. Flood Awareness Outreach
 - i. Kayla provided a brief summary of the Flood Awareness Week successes. Funding is in place for FAW for next year.

4. Funding Opportunities:

- a. CWSD – Ed stated CWSD funding is available. Applications were sent out earlier and are due Feb. 1, 2018.
- b. USBR WaterSmart Funding Opportunity in March – CWSD is planning to apply for a Watershed Planning Phase 2 grant.
- c. Question 1 funding still has \$3.4 million designated for Carson River project. Could also be used as for federal projects. CWSD will continue to discuss with NV State Lands, including whether bonds will begin to be sold, and may be reaching out to Counties once a path forward is determined.
- d. A short announcement for the \$50,000 NDEP Recycling program grant was recently sent out on CWSD email.

5. Weed Grants Update

- a. Nevada Dept. of Agriculture grant – new grant providing ~\$28,000 for yellow starthistle management
- b. BLM – Continue to move forward with BLM and partners to treat weeds that are on BLM lands or adjacent.
- c. NFWF – Working on completed needed NEPA document with USFWS assistance. Once NEPA complete, weed treatments can resume.

D. Develop and Schedule Rotating Floodplain and River Management Working Group meetings (Spring-Fall only? Or year round?) – Bring ideas, desires and dates to host your field trip

- **Moved this item to the next agenda, please continue to think of ideas for meeting venues and field trips!**

E. Upcoming Meetings:

1. 1/30/2018 Water Summit
2. 2/5/2018 Risk Map Charter Meeting
3. 4/11-12/2018 CRC Forum
4. 4/ 29 – 5/2 [River Rally – Squaw Valley](#)
5. Either 6/8 or 6/15 CRC 20th Anniversary Celebration

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1:30 – 4:30PM *Bonanza Room* – Carson City Community Center

F. Schedule Next Meeting – CRC forum April 11-12, 2018

Actions:

- 1. Will send out doodle poll for jurisdiction interviews to collect data requested and conduct initial Rapid Evaluations for riverine and alluvial fan areas.**
- 2. Contractor will take this compile information and create rough draft FMP to review and discuss at April workshop.**