



River Corridor Working Group Minutes

Wednesday, December 7, 2016

9:00 AM –Noon

Attendees: (draft)

Bunny	Bishop	NDWR	
Mitch	Blum	HDR	teleconference
Aly	Cheney	AWG	
Preston	Denney	Churhill County	
Steve	Endacott	City of Fallon	
Margaret	Engesser	USACE	teleconference
Gavin	Feiger	AWG	
Robb	Fellows	Carson City	
Shane	Fryer	CWSD	
Brenda	Hunt	CWSD	
Ed	James	CWSD	
Rob	Loveberg	Consultant	
Hunter	Merritt	USACE	teleconference
Sarah	Muskin	RW/ AWG	
Debbie	Neddenriep	CWSD	
Terri	Pereira	Churchill County	
Brian	Peters	Alpine County	
Rob	Pyzel	Lyon County	
Eric	Simmons	FEMA	teleconference
Jean	Stone	NDEP	
Mary Kay	Wagner	NDEP	
Courtney	Walker	Douglas County	
Dave	Willard	NDWR	
Mike	Workman	Lyon County	

1. Welcome and Introductions

2. Review of Draft Proposed Floodplain Ordinances (Rob L/Ed)

- a. Rob Loveberg presented the draft of floodplain ordinances. He explained this modest project had two goals:
 - Identify where jurisdictions may need to address potential changes which may need to occur within county ordinances as result of new FIRM maps
 - Draft ordinance language for jurisdictions to consider which would be pertinent and incorporates new model.

- b. Rob noted differences and similarities within each of the jurisdictions.
- c. General needs – training, implementation in use of model; how to utilize model in new development within their counties.
- d. The ordinance language clarifies the language applies only to Carson River Floodplain, not Alluvial Flooding.

Recommending use of model when developing in floodplain.

Mr. James clarified he sent everyone an email with the draft; the funding was only to draft this language. To finalize, CWSD will need to secure future funding. At next meeting, we will discuss who would like to pursue funding and what type of project.

Comments Due by 12/19/2016; RL can incorporate in draft.

Steve Endacott asked if this is FIRM? SE said this isF good news for Fallon; they need to ground truth and update 1970s firm so this is a good starting point.

3. Update on Floodplain Management Plan Suggested Actions:

- a. SA – 14/15/17 Modeling and Mapping for MAS 2-4 (Mitch/Ed/Erik)
 - i. Review Model Update Policy and Procedures (Mitch)

BH introduced MB who explained how they have been doing outreach regarding preliminary FP, and speaking with folks about the effects to individuals/ properties. Doing detailed refinements, as they get more information. They will utilize known data There was a DC misinterpretation of their ordinance: DC has 1' surcharge to floodway analysis instead of 1/2' which will decrease size of floodway and have more effects downstream. EJ noted there are efforts to create open space. MB – there will not be floodway delineation in DC because of interaction. As a result DC will have to keep a dB and track cumulative flood rise; if incremental rise reaches 1" development is built out. EJ – where do they start 1' rise? MB – 100 year floodplain event – run model with development to determine how much of that 1' rise has been taken. Starting with today's current development and encroachment to date. Analyses will have to prove rise for central portion; the beauty is they can incorporate into model. BH asked about the interim of submitting preliminary maps and FEMA FIRM maps being effective. Any new data between now and effective maps, that data will need be added? No, Mitch said that would require a LOMR to make changes. EJ concurred that DC would have to take the lead in keeping track of

CW needed exact data of what DC needs to keep track of. EJ concurred that snapshot was taken in 2013.

To be continued.

Remember to take pictures in flood event!

MB said the model mapping protocols and procedures is in process of being finalized. would answer many questions in this meeting.

4. Update on Inundation Flood Maps (Mitch)

MB provided an overview and explained how they are using preliminary modeling data to create flood inundation maps to go on CWSD website as an advisory product, but in

Carson City reach, it will be on NOAA's website (at ½ foot intervals). See Boise maps to get an example of flooding that incorporates how stage data affects structures / people incrementally. Currently being finalized to be submitted to finalize for publication. Ed noted it was applicable for Emergency Managers for planning purposes and mitigation. Steve Endacott asked for the website. EJ said he would get it to Steve. EJ noted that for CValley, there would be snapshots of what communities would look like at various stages. This provides a day or two to prepare for big storms. It takes about 12 hours for each iteration.

5. Discussion on the proposed USACE Alluvial Fan Workshops and Mapping (Margaret/Brenda) Hunter Merritt – USACE joined conversation. Dave Willard explained proposal and how they got funding for Alluvial Fan Workshop template they can take to the rest of the state. Coming up with proposal, what USACE would do, what local stakeholders would do; How to deal with AFans to work with developers, stakeholders, etc. to build safe/ implement better ordinances for jurisdictions. BH asked ME to explain funds – receive 80K this FY; 20K for next FY. Have already spent 20K. They anticipate spending another 60K to travel and present workshops. Hunter and Margaret E. gave an overview of project. Will be doing alluvial GIS mapping in next FY for the Carson River Watershed. Developed and Undeveloped alluvial fan, larger watershed effects on each alluvialfan. Will be looking to partners to provide data. BH will it be a useful tool for jurisdictions to have. Answered in affirmative. By having baseline data TP asked if it would just be private land? No, it's the entire fan – public and private. EJ said it is both, so they want to capture that data. Churchill County – the one that would impact the county would be the one that effects Fernley area BH asked for input regarding content of workshops that would be most useful. ME would like to start planning in January. BH – would be 2 in WS, and rest otherwise. Hunters noted he would be facilitate planning & workshops. Workshops can be in person, or virtual; they want to get the broadest reach. Be thinking about helpful info questions; Will do doodle poll – Steve Lewis/John Cobourn very interested in participating in planning of workshops.

6. Discovery and Regional Carson River Floodplain Management Plan Update planning (Brenda/Ed)
EJ explained funding to update FP mgt plan and discovery. It would move away from riverine flooding and move to alluvial fans. Discovery is FEMA product; FP plan is more holistic approach. Worked on a timeline. We have to have final product to CWSD by 8/2018. Would love to have this approved by all county boards by 6/2018, so draft will be
Anticipate community workshops in the spring.
Have funding to hire consultant put plan together; will be sending out RFQ and contract by 2/2017 board meeting.
Anticipates update of maps, incorporating changes into FP Plan, will be updating stormwater, and alluvial fan info, CRS stuff... We will have a planning meeting that identifies elements which needs to be added.

EJ noted 2017 is data gathering; while 2018 will be finalizing. BH noted we hope USACE provides alluvial fan mapping earlier in FY 2018 than later so they can be incorporated.

7. CRC Forum and Carson River Mercury site tour (Save the Date Feb. 21-23) (Brenda)

Working with Andy Bain, EPA, and Dave Friedman, NDEP to give tour of Carson River Mercury site from Carson City to Carson Sink in Churchill County. NDEP is planning a full day bus tour; the tour will be part of forum and will be on the 21st. the 22nd, EPA will do a workshop & scope where they will go next with stakeholders. They are planning more workshops with public audience. Next, there will be presentations about information throughout the watershed. No theme, will be broad topic. Potential topics are WS Literacy, EE Youth project; MAS projects – Stewardship Plan Update; Restoration Efforts throughout the river; Weed projects; Etc, et cetera, et cetera...

Washoe tribe Rocky Project, TNC of western pond turtles; FSPT; MS4.BH wants to know if there's any particular topic or information we want to know about.

MKW wondered if there are current projects in the watershed that have implemented LIDs, Mike W. do you have R Holley on list; Ducks Unlimited fellow in Carson City; Storey County Stormwater; DVCD

Shane Fryer – suggestions for a keynote speaker.

Steve Endacott – want to get

USBR now has emergency procedures plan for flooding for Lahontan; want to know highest level of action they can take, but need to know what has the BCA? There is experience in this group.

8. Group Name Change and CRC Watershed Vision Update (Brenda)

& stuff – The focus is not merely on River Corridor; Floodplain Management Working Group; GF noted that cuts out AWG. Steve Endacott noted FP Mgt is where the money is Floodplain & River Mgt WG... BH will send out doodle poll.

AA Award notice – had to meet criteria – 01+ years. Steve Lewis noted CRC was not a vision; it's a goal. INPUT ORIGINAL VISION. He suggested a new vision. BH read 2 options – new vision "SEE SL suggestion.

9. Announcements (Everyone)

RoundRobin –

AWG – finishing up monitoring WQ/ Quantity/ Photo monitoring; East Fork Project coming to a close; American Rivers project – looks good; check it out.

Shane Fryer – been working on broad and federal cooperation – NFWF and BLM.

Starting with small pots of money. BLM just completed DNepa Adequacy, Pesticide Use Proposal. NFWF and BLM cost share grants... Working out NEPA with USFWS. Moving forward – additions to contract.

BH – announce CWSD did receive 319 grants from NDEP; Fully funded for WS Literacy; Env. Ed received funding to continue to start in July 2017. Still working on tasks – Watershed signs in Nevada Only, but will try for Alpine County once Nevada is done. We'll see what happens. Has to happen within next year. Shane is finalizing interactive map (another thing for the CRC forum).

Bunny – got google analytics; had a spike on nvfloods.org website (get that from bunny) Will be having a FP mgt workshop in spring; will do a coordinated region. Received many suggestions for topics.

Send BB suggestion of topics.

Sarah MuskinRW wrapping up events; high school volunteers

Dave Willard spoke to Flood Awareness week events throughout state.

Counted 498 students in Lincoln County. They really need teletransportation. Didn't hit them all, but plan to go back to 2 high schools for 2 days in Feb/ Mar.

FP group size will. Public outreach position funding for a year; another GIS person. Grant through CTP grant.

RF – Open Space/ Parks project through a grant to create habitat for waterfowl; doing things to attract all kinds of species – along Buzzy's ranch area. CC is doing update to stormwater management plan – working to update LID requirement in ordinance (2 years to complete); housekeeping updates to internal options. Update will go to board in 2/2017 and they will implement in 2 years.

Mike w. Lyon co utilities just finished up elimination of 500 septic tanks – 100% compliance thought a combination of funding from USDA, Municipal wells – proactive projects to clean up wells before they became a project. Installed separate dedicated pipeline to irrigate Rolling A property and clean up that aquifer and address weed issues. Expanded effluent reuse area in conjunction with DVCD to rewater Rolling An ongoing process. For the first time in many years they had a significant improvement of grasses where they were able to put down water.

RP – massive code update; will include LID; will not happen until next year. Have to get Title 15 adopted in March; however, rec marijuana has thrown a curve ball. Doesn't include removing development rights from FP areas. Development increasing in highway corridor. Workshop in March for County elected officials or flood insurance? BH asked about USA Parkway. RP said NDOT is expected to be completed by 12/2017, but Lyon county anticipates it will be done sooner. MW gets overridden about his water concerns.

DC planning MS4 permitting workshop on 1/4/2017. Working with RCI; afternoon will look at more jurisdictions. For when area is expanded Stormwater utility – trying to get it through. Tahoe think their water quality issues separate from flood stormwater issues. Vote in April to county commission. Recent meeting couldn't approve the agenda,

Brian Peters – alpine county: Ground water management monitoring project 2 years in the making twice year measure. Good session with Rob Loveberg. Would love to get funding for FP ordinance; would like to get stormwater/ small office expansion effort in woodfords.

EJ – January FEMA charter meeting; will be when Bob Bezek from FEMA can come out.

Yesterday – LiDAR meeting – USGS has gotten funding to expand throughout Nevada. Hope to expand into Churchill.

Shane found information on damage in alpine county hot springs... People from group will forward links to group. They were contacted and will come back to fix area.

EJ – legislature starting > over 500 BDRs

DC – got proposals to do ADMPs; if successful may want to expand to other counties
TP asked if there will be BDR regarding committee meetings in reference to DWR water engineer. EJ answered engineer does want to address basin which are overallocated and water table is dropping. Most domestic wells are junior to everyone else. Engineer wants to change water law so people could have at least .5 af. Several other water bills. Rain barrel law clean up... diminish use. Water guzzlers legalized. 8-10 bills anticipated. 1 weed bill... 40 BDRs eds watching. > 1000 between now and February.

Dn – RFQ for Videographers to create videos that focus on floodplains as community assets

MKW – 11/4 11th Snapshot day – analysis sent out yesterday; see Database she sent out. Went well except for a few kinks... DC couldn't send substitute to have Washoe Tribal students go to Dresslerville site. Data was encouraging. Better constituencies than in past years.

SF wondered if the atmospheric river event may have affected it.

SE – Churchill county transition: Ron Juliff out tomorrow TP in 66 days; now going forward.

Feasibility done, but what does it benefit community.

Determine how floodplain has changed since 1975

Need to consider how we are managing water – has the advantage of meeting.

Preston D. mentioned the LiDAR flown in Churchill County in relation to the River and the Canals... right after the Fernley breach. This way Churchill County can require developers to mitigate flooding in subdivisions near the canal...

EJ wondered if USGS standard QL2 level LiDAR. Feb 10, 2016.

Putting out requests for TP job applications. If you know planners, apply. Hope they can come on before Terri departs.

- a. Events, Programs and/or projects, etc. finalizing stewardship plan, just needs to meet with Washoe Tribe by the end of December.

10. Schedule Next Meeting – Brenda will send out doodle poll for meeting in Late January or early February.

Meetings in January USACE planning
Discovery / Update meeting
Planning