

Cooperating Technical Partners – ASFPM CTP subcommittee Monthly Call – Oct 14, 2024

Attendees: Alan Lulloff, Joanna Rohlf, Dave Guignet, Laura Algeo and Brooke Seymour.

CTP webinars

A webinar on dam inundation mapping is scheduled for November 6th. MD has developed a web application for viewing dam break inundation maps. It is on a different tab than their SFHA application with their engineering models (similar to CRAB) since it is non-regulatory. Dave indicated that a hazard mitigation grant was the funding source for developing the inundation mapping using DSS-Wise.

California also has also agreed to present on the website they have developed that provides information on dam inundation mapping.

In addition, Meg Galloway formerly the Dam Safety Engineer with WI DNR and now with ASFPM has agreed to present on hazard creep. WI has state legislation that requires dams to be classified a high hazard dam unless there is zoning downstream to prevent development in the dam inundation zone. WI has a website that includes dams on a stream data layer. MD, GA, CA and WI have websites with dam inundation mapping. It would be useful during the webinar to determine if other states have similar websites. In Maryland a community had a development other which caused the dam to be classified high hazard. The community needed to expand the spillway but since it would have impacted existing development their only option was to draw down the impoundment. So the community now no longer has the impoundment for which the community was named.

There was an instance associated with hazard creep in CO. Brooke will check to see if community if okay with it being included as an example.

If people are aware of situations where development has caused hazard creep they should provide them to Meg Galloway via email (meg@floods.org).

The webinar will include discussion on hazard creep, the MD website and the CA website.

Webinar for the January – March timeframe

NOAA has indicated that they would like to provide updates on the NOAA's effort to modernize and update precipitation data (PF and PMP). They indicate the February timeframe would be a good time for the webinar.

Other webinar options for after March 2025: [Bold items are comments from Oct call.]

New enhancements to HEC-RAS. **This is being covered via other venues.**

Real time weather. The National Weather Service has developed some new tools. Useful for emergency preparedness. It would be useful to understand how it can be used. **This was not discussed.**

Joanna has suggested on a previous call that a webinar on environmental hazards associated with flooding could be considered. They had a spill in which barriers were put up the contain it. **Alan mentioned that a recent article on factory farms impacted by Helene. It was suggested that EPA or the National Fish and Wildlife Service may have someone knowledgeable on this issue.**

Note from a previous call – [2D modeling and 2D floodways received high marks from the questionnaire sent out and the poll posted at the CTP Community of Practice meeting. One issue on floodways being discussed is whether floodways on existing mapping can be removed when new mapping is developed. Brooke highlighted that without floodways there are no evaluation lines. Without evaluation lines it is difficult to do a no-rise analysis.

Brooke also indicated that Brian Koper has come up with examples of where you can remove a floodway. Floodways are problematic on bifurcated streams with multiple flow paths. Brooke highlighted that floodways are also problematic in an urban setting where flow paths can split and flow along streets.

Laura indicated that there is an Applied Approaches paper on sharepoint on this issue. The 2D IPT is working to extract technical pieces out of this document to develop an issue document. One issue is that Floodplain Management needs to develop a guidance document in parallel and they presently are short of staff. She suggested we bring this issue up again later.

Joanna indicated they don't like how SID 77 is written. SID 77 indicates that backwater from streams coming in to a river should not be included unless a coincident frequency analysis is conducted. This is problematic when doing a 2D watershed model. They are in discussions with FEMA on this issue.

Kansas is developing a tool to incorporate future conditions related to precipitation that should be ready by next spring.

Joanna is on a resilience committee that is being led by Andrew Martin with FEMA (who is going on paternity leave for 12 weeks shortly). The committee is working to develop some guidance on equity associated with the mapping process. Laura indicated that one of the issues is that some communities have staff issues that limit their ability to review and comment on proposed mapping until it is too late in the process. FEMA is working to provide technical support for these communities. Joanna suggested that a webinar on social justice

ASFPM has a Social Justice Task Force, so Alan will check on that.

AL 10/14/2024