

Cooperating Technical Partners – ASFPM CTP subcommittee Monthly Call – January 13, 2022

Attendees: Alan Luloff, Brooke Seymour, Laura Algeo and Darryl Rockfield. Dave Guignet (on a subsequent call)

Webinars

Brian Koper is developing an Applied Approaches document on non-levee embankments. Brian has agreed to put on a webinar on the document in February or March. Brian indicates that the document will be completed in January.

Alan has gotten the list of attendees that participated in the FEMA workshop on mitigation grants at the ASFPM conference in May 2021. Laura has asked for a query of attendees asking if the workshop provided enough clarity or do they like a deeper dive into particular components of the workshop.

Scott Hogan with the US DOT Federal Highways Administration provided a webinar on FEMA Flood Mapping with 2D modeling on January 13th. We discussed having Scott provide a webinar on the topic for the ASFPM CTP Information Exchange webinar series. However, since the 2D modeling software FEMA uses is not the standard software used for FEMA SFHA mapping we agreed it was not a good fit.

Gary Brunner (recently retired from HEC) was mentioned as a potential presenter on HEC-RAS 2D.

ASFPM project related to Floodways

ASFPM is assessing the community understanding of flood surcharge impacts. In addition, ASFPM is evaluating the amount floodway surcharge extends beyond the floodway into areas outside the SFHA.

2D Modeling

FEMA funded HEC to develop an archival tool for HEC-RAS 2D modeling data. HEC has included this in HEC-RAS 6.1. FEMA is testing out this tool in 3 different geographies in the 3 PTS zones. The goal is to complete this evaluation by the end of January. The link to the tool is:

<https://www.hec.usace.army.mil/confluence/rasdocs/rasum/latest/working-with-projects/archiving-a-project>

Floodways

FEMA is looking at reconvening the 2D Floodway IPT in February. FEMA is funding HEC to develop a FW tool in HEC-RAS 2D. FEMA is looking to have the IPT to look at some innovative stuff (i.e. looking at something other than 1 ft. surcharge floodways, unsteady vs. steady flow).

There is a need to figure out better ways to identify areas of concern. Why are floodways important? What it does – what it misses. How to better explain the outputs. What should communities look for in the outputs? How to make it easier for communities to interpret the outputs?

MO mapping portal

MO is routinely generating additional mapping products that show the BFE plus freeboard amounts. A lot of communities in MO have adopted ordinances that include provisions associated with 1,2, and 3 feet of freeboard.

MO provide a demo of the mapping portal they are developing. Laura indicated an interest in showing this portal to Paul Rooney since he is working on developing FEMA products associated with the Federal Flood Risk Management Standard (FFRMS). Freeboard is a component of the FFRMS.

CTP Conversation

The ASFPM conference in May 2022 in Orlando will be a live event this year. We discussed having the CTP conversation session again at 3 pm on Monday afternoon at the conference. It has been very well attended in past years live events.

Maryland

Dave Guignet introduced some products the state is working on later in the afternoon. They are incorporating some information provided by the National Water Model into their system. The floodplain management program has been moved into the Dam Safety and stormwater management programs. Floodplain management is looking forward to the synergy that will be created by the integration with these other programs.

Alan indicated that WI has regulations that require communities downstream from dam adopt zoning that limits development in the hydraulic shadow. If zoning is not adopted the dams are by default identified as high hazard dams.

ASFPM completed a report in 2013 that provides some detail on this and other best practices:

[A Strategy to Reduce the Risks and Impacts of Dams on Floodplains](#)

AL 1/20/22