

**Upper Cottonwood Watershed / Marion County
Flood Risk Review Meeting**

November 17, 2020
Virtual Meeting via Zoom

**KDA - Division of Water Resources
Topeka Field Office**
1131 SW Winding Road, Suite 400
Topeka, KS 66615

Tara Lanzrath, CFM
Floodplain Mapping
Coordinator
785-296-2513
Tara.Lanzrath@ks.gov

**Joanna Rohlf, GISP,
CFM**
Floodplain Mapping
Specialist
785-296-7769
Joanna.rohlf@ks.gov

**Wood
Environment & Infrastructure**
100 SE 9th Street, Suite 400
Topeka, KS 66612

Joe File, PE, CFM
Project Manager
785-554-9108
joe.file@woodplc.com

Maria Neeland, PE, CFM
Engineer
785-414-3127
Maria.neeland@woodplc.com

**A web map is available to review project information:
https://gis2.kda.ks.gov/gis/upper_cottonwood**

Important Upcoming Dates

This FRR Meeting is for the Upper Cottonwood watershed. The projected dates for Preliminary Distribution and beyond are for Marion County.

1. Deadline to submit FRR Meeting comments	December 17, 2020
2. Estimated Public Open House	May 2021
3. Estimated Preliminary Distribution of DFIRM	December 2021
4. Estimated Community Coordinator's Officer Meeting	January 2022
5. Appeals Period <i>* Dates depend on publication in Federal Register.</i>	March-June 2022
6. Letter of Final Determination <i>* No changes to the map are made after this time. This date is exactly six months prior to effective date of new maps.</i>	October 2022
7. Effective Date of New Maps	April 2023

Please note that all dates are subject to change, particularly after preliminary distribution as there are occurrences out of KDA or Wood's control that can affect schedule, such as publishing in the Federal Register. The number of comments and appeals can also affect schedule, which is part of the reason why we believe it is important to discuss potential issues or questions early on in the process. We appreciate your participation at this time and look forward to working with you throughout the continuation of this process.

Process to create the maps:

A Discovery Meeting was held for the Upper Cottonwood Watershed in Marion in September 2019. This meeting discussed base level engineering that was performed on the watershed and mapping needs for Marion County due to outdated engineering that was used for the effective maps. As a result, data development was performed for Marion County to produce updated floodplain maps. A data development project was completed in 2018 for the Lower Smoky Hill Watershed and a data development project was completed in 2019 for the Lower Cottonwood Watershed. Updated floodplain maps for the portions of Marion County within those watersheds have been incorporated into the Marion County Mapping Update.

The Marion County Mapping Update included new detailed modeling using rainfall-runoff hydrology and 1D HEC-RAS hydraulics for approximately 11.8 miles of streams, including three streams (Doyle Creek, Spring Creek and Prairie Creek) in and near the City of Peabody and one tributary in and near the City of Ramona, which will result in Zone AE with floodway areas.

New detailed modeling using rainfall-runoff hydrology and 2D HEC-RAS hydraulics was completed for two tributaries in and near the City of Ramona, which will result in Zone AH areas.

New limited detailed modeling using rainfall-runoff or gage analysis hydrology and 2D HEC-RAS hydraulics was completed for approximately 11 miles streams in and near the Cities of Durham, Hillsboro and Goessel, which will result in enhanced Zone A areas.

Static Zone AE floodplains were developed for Marion Reservoir using a statistical stage analysis.

The project included incorporation of floodplains from an existing study for the City of Marion developed during levee certification efforts, which went effective July 20, 2018. A levee certification project for the Florence Levee System is nearing completion. If FEMA approved the Levee Certification, floodplains from the Florence Study will be incorporated into the draft floodplain maps. If FEMA does not approve the Levee Certification, natural valley floodplains for the City of Florence will be incorporated into the draft floodplain maps.

Approximate Zone A hydraulics was completed for the remaining streams within the study area using 2D HEC-RAS hydrology and hydraulics.

Non-regulatory flood risk products will be developed watershed-wide. Marion County will have updated digital floodplain maps developed on the 2011 acquired LiDAR.

Data can be downloaded from: https://bit.ly/MarionCo_FRR

*If you have any problems with retrieving the data, please contact Joanna Rohlf.

➤ **Draft_DFIRM**

- Two Shapefiles of the draft DFIRM data (one database with Florence Levee Certification and one database without Florence Levee Certification)

➤ **Meeting documents**

- Power Point & Handouts (plus Sign-In sheets when available)

➤ **FRR.mxd**

- MXD with data on the FTP site loaded and symbolized. It does not contain topography or imagery, but they can be easily added to the MXD.