

Wabaunsee County
Flood Risk Review Meeting

December 11, 2018

Wabaunsee County Courthouse ♦ County Commission Room ♦ 215 Kansas, Alma, KS

KDA - Division of Water Resources
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DRAFT DFIRM Web Map:

KDA has created and is hosting a web map to view the Wabaunsee County Draft DFIRM data. Comments may be directly submitted through the web map using a comment tool. Use the tool to draw a box around the area in question and fill out the associated text boxes with the pertinent comment information. Comments can also be submitted via email using the contact information provided on the reverse side of this handout.

The web map can be accessed at the following web address: http://gis2.kda.ks.gov/gis/middle_ks/

Important Upcoming Dates

1. Deadline to submit FRR Meeting comments	January 11, 2019
2. Estimated Public Open House	April 2019
3. Estimated Preliminary Distribution of DFIRM	July 2019
4. Estimated Community Coordinator's Officer Meeting	August 2019
5. Appeals Period <i>* Dates depend on publication in Federal Register.</i>	October – December 2019
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>	April 2020
7. Effective Date of New Maps	October 2020

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

In 2016, the Middle Kansas Watershed was selected for a watershed RiskMAP project as a result of needs identified from communication with local officials and from the 2015 Discovery Project for the watershed. The first phase of the Middle Kansas project produced new floodplain data for the portions of Wabaunsee County within the watershed. The topography used to create the maps was the 2012 countywide LiDAR.

In Phase II of the project, new floodplain data was produced for the Kansas River through Pottawatomie and Wabaunsee County. For the Kansas River, detailed hydrologic and hydraulic analyses were developed for the 10, 4, 2, 1, 1+ and 0.2-percent-annual-chance flood events, resulting in updated Zone AE floodplains. Hydrology was developed from a gage analysis performed. A hydraulic HEC-RAS 1D model was created using LiDAR topography to determine cross-section geometry. Bridges, culverts and other structures were surveyed in the field and included in the hydraulic model. A floodway was developed for the Kansas River.

Also during Phase II, new floodplain data was produced for the remaining areas in Wabaunsee County, including portions of the Neosho Headwaters, Upper Marais des Cygnes and Lower Kansas watersheds to complete new floodplain mapping for the entire County. Hydraulics were completed for the streams within these study areas using 2D HEC-RAS hydrology and hydraulics using LiDAR topography, resulting in updated Zone A floodplains.

Draft Data available for download: http://bit.ly/WabaunseeCo_FRR

Data on available for download:

- **Draft_DFIRM**
 - Shapefiles of the draft DFIRM data
- **Meeting documents**
 - Power Point & Handouts (plus Sign-In sheets when available)
- **Wabaunsee_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.