

**Upper Marais des Cygnes Watershed / Osage County
Flood Risk Review Meeting**

April 17, 2019

Osage County Courthouse, County Commission Road, 3rd Floor, 717 Topeka Ave, Lyndon, KS

**KDA - Division of Water Resources
Topeka Field Office**
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A web map is available to review project information: <http://gis2.kda.ks.gov/gis/osage>

Important Upcoming Dates

This FRR Meeting is for the Upper Marais des Cygnes watershed. The projected dates for Preliminary Distribution and beyond are for the Osage County portion of the project.

1. Deadline to submit FRR Meeting comments	May 17, 2019
2. Estimated Public Open House	August 2019
3. Estimated Preliminary Distribution of DFIRM	November 2019
4. Estimated Community Coordinator's Officer Meeting	December 2019
5. Appeals Period <i>* Dates depend on publication in Federal Register.</i>	February-April 2020
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>	August 2020
7. Effective Date of New Maps	February 2021

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 Marais des Cygnes Watershed in Ottawa in February 2017. This meeting discussed watershed mapping needs due to outdated engineering being used for the effective maps, and the fact that some counties were still using paper maps. The Upper Marais des Cygnes project has produced updated floodplain mapping for the portion of Osage County within the Upper Marais des Cygnes Watershed; along with Anderson County and portions of Franklin County, Coffey County, Lyon County, Wabaunsee County, and Baldwin City in Douglas County.

The Upper Marais des Cygnes project included new detailed modeling using rainfall-runoff hydrology and 1D HEC-RAS hydraulics for approximately 16.5 miles of streams, including five streams (Tauy Creek East Fork and 4 tributaries) near Baldwin City and a portion of Rock Creek near Ottawa.

New limited detailed modeling using rainfall-runoff or gage analysis hydrology and 2D HEC-RAS hydraulics was completed for approximately 18.4 miles streams, including portions of Switzler Creek near Burlingame, Salt Creek Tributary near Osage City, the Crystal Lake Outlet Channel and Lake Garnett Inlet Channel near Garnett, South Fork Pottawatomie Creek near Greeley, and Pottawatomie Creek near Lane.

Static Zone AE floodplains were developed for Melvern Lake and Pomona Lake using a statistical stage analysis. Static Zone AE floodplains were developed for Lake Garnett and Crystal Lake near Garnett using rainfall-runoff modeling.

The project included incorporation of an existing study for the Marais des Cygnes River through Franklin County developed during levee certification efforts. Re-delineation of several previously studied streams in Franklin County on the 2010 LiDAR topography was also done for this project.

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. Osage County will have updated digital floodplain maps developed on the 2010 acquired LiDAR.

Data can be downloaded from: https://sftp.kda.ks.gov/public/folder/jdCGa8IWZUiqUmZcXhjV_w/UMDC

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

- **Draft_DFIRM**
 - Shapefiles of the draft DFIRM data
- **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.