Middle Kansas Watershed Phase II Flood Study Review

Middle Kansas Watershed– Phase II

October 24, 2018

THANK YOU FOR COMING

This should be informal and interactive

Meeting Agenda

- Introductions
- Short Presentation
- Review Flood Hazard Data
- Discussion

How Did We Get Here?

- Discovery Project – 2015
- Phase I – October 2016
  - New floodplain mapping for the areas in Wabaunsee County and the City of Wamego in Watershed.
- Phase II – October 2017
  - New floodplain mapping for the areas on panels not replaced in the 2012 Pottawatomie County FIRM update and the Kansas River through Pottawatomie County (both sides of the river).

Middle Kansas Mapping Updates: Phase I & II

Phase II Studies
Analysis for these studies will be performed in 2017 & 2018. All Phase I studies are completed.

New Zone AE or AH - Rainfall Runoff
Rainfall Runoff hydrology will be performed. Survey will be collected for structures. Detailed Hec-Ras hydraulics will be conducted, and a floodway will be created for AE zones, not AH zones.

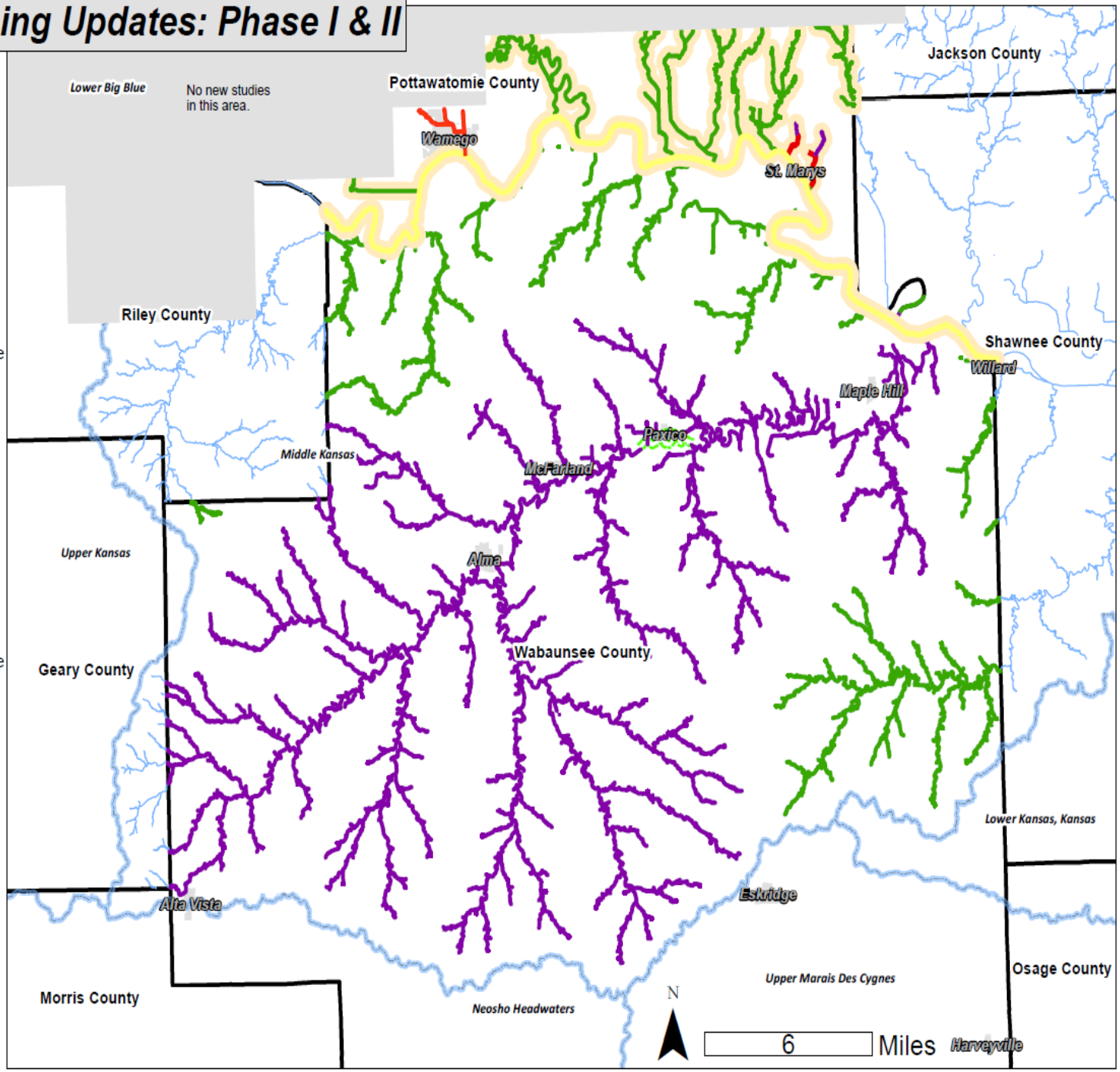
New Zone AE - Enhanced
Rainfall-Runoff Hydrology will be performed for this stream, and calibrated with local gage information. Survey data will be collected. No floodway will be shown on map.

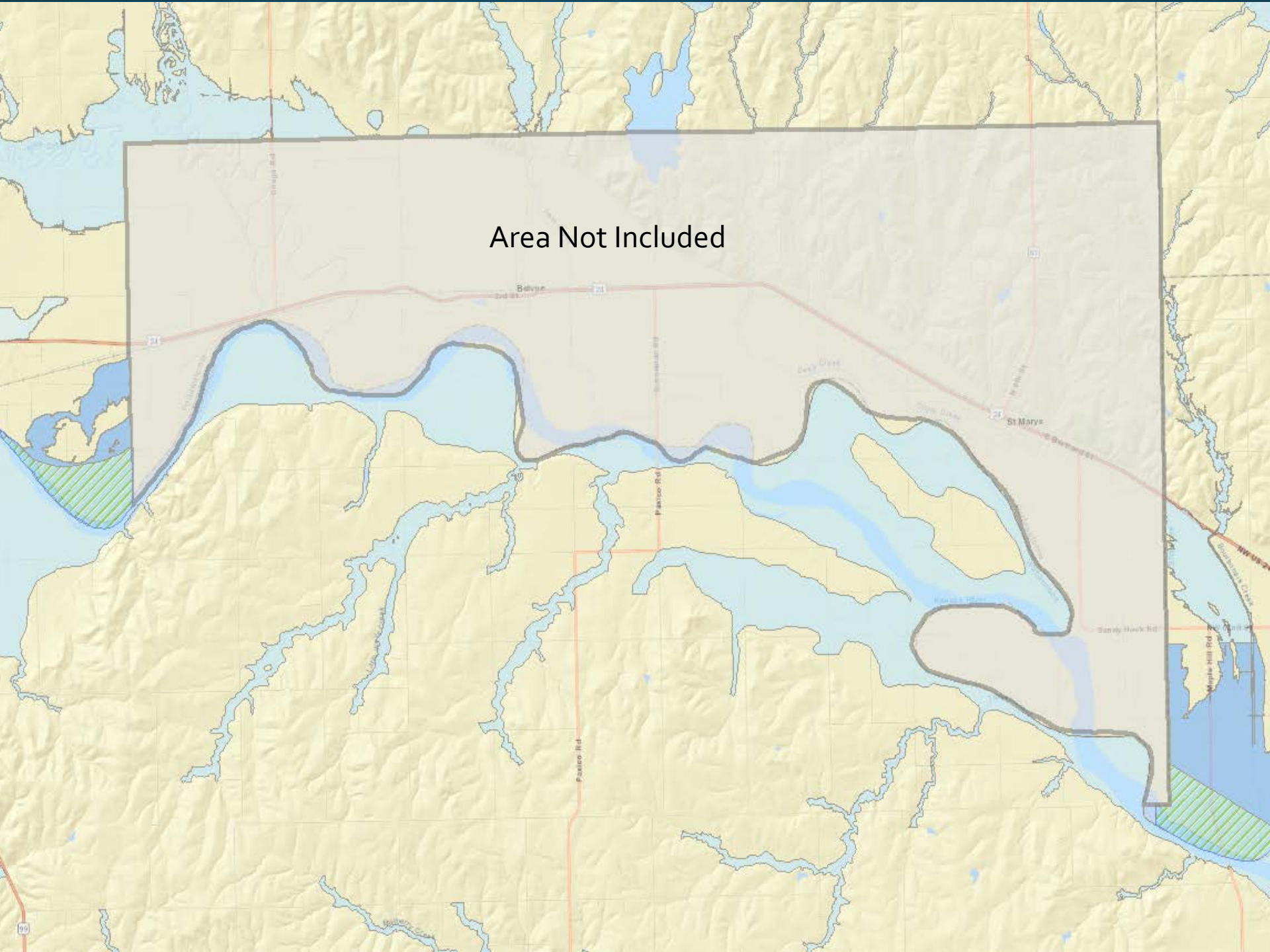
New Zone AE - Gage
Gage Analysis hydrology will be performed. Survey will be collected for structures. Detailed Hec-Ras hydraulics will be conducted, and a floodway will be created.

New Zone A - Enhanced Hydrology, Rainfall Runoff
Rainfall-Runoff Hydrology will be performed in this watershed. Hydrology will be a combination of Rainfall Runoff and regression equation flows.

New Zone A
Regression or localized regression will be used.

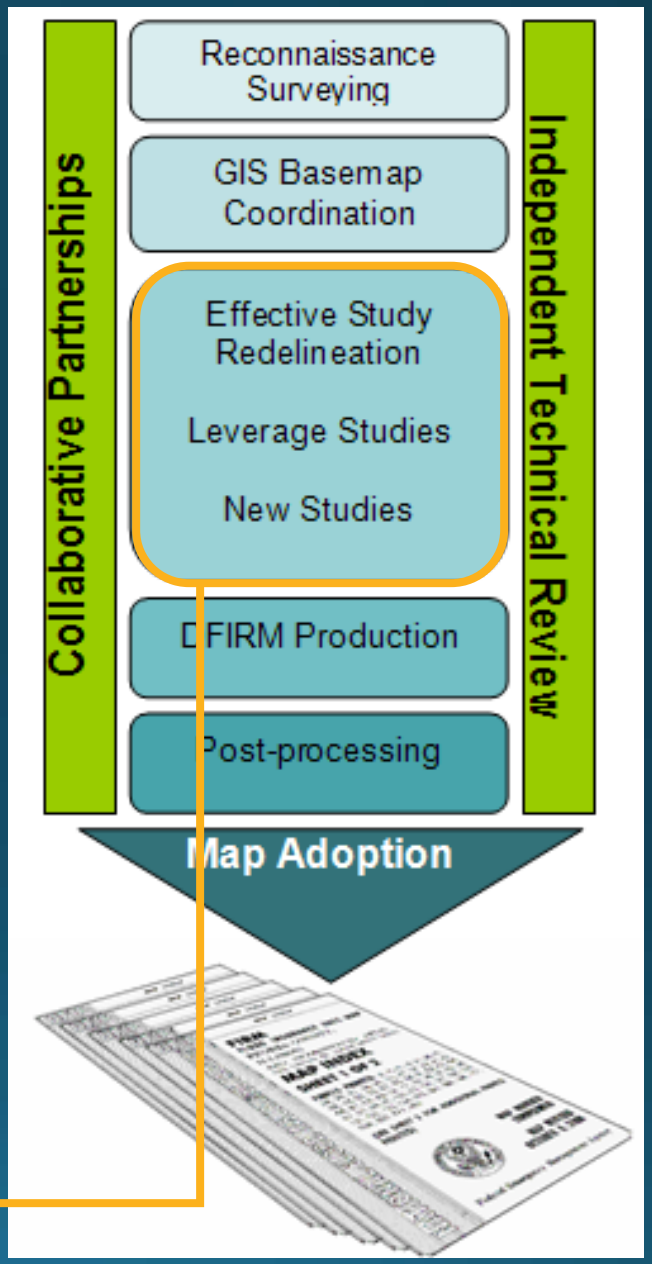
No Proposed Studies
Recent studies preformed for these streams, and no mapping is proposed.




Area Not Included
Belvue
St Marys
Paxico Rd
Paxico Rd
Sandy Hawk Rd
Maple Hill Rd

Project Tasks

1. Discovery
2. Base Map Preparation
3. Survey and Topography
4. New Studies
5. DFIRM and FIS Production
6. Post Preliminary



Finishing this phase

Timeline

- Map Production
  - October 2016 to October 2018
- Flood Risk Review Meeting
  - August 9, 2017 (Phase I)
  - **October 24, 2018 (Phase II)**
- Public Open House
  - Estimated: January 2019
- Preliminary Map Distribution
  - Estimated: April 2019
- Preliminary DFIRM Community Coordination Meeting
  - Estimated: May 2019
- Appeal Period
  - Estimated: October-December 2019
- Letter of Final Determination
  - Estimated: March 2020
- Effective Maps
  - Estimated: September 2020

Map Review

- Most important task you have
- Will take place in multiple stages
- A review web map has been provided
- http://gis2.kda.ks.gov/gis/middle_ks/
- Goal is to be in agreement on the map before Preliminary status
- This is where you look out for you

Map Review

- Wood E&IS Review
- Independent Technical Review (ITR)
- KDA Review
- Community Review
- Public Review
- Public Open House

Internal Review

- Wood E&IS Review
  - Engineering reviewed by separate Wood E&IS office
- Independent Technical Review (ITR)
  - 3rd party review of engineering
  - AECOM
- KDA Review
  - Visual review
  - "eye test"
  - Identify impact of the map

Community Review

- Right Now through 11-30-18 (More if needed)
- Conduct as the Working Group / Community sees fit
- This is your chance to have a say in what the end result is. Best opportunity for changes
- Utilize Middle Kansas Review Web Map to submit comments to KDA
- Comments are public facing (FYI)
- KDA/Wood will address comments prior to starting the Public Review

Public Review (Pott. County)

- Follows conclusion of Community Review
- Will include Phases I & II (Pott County)
- Opportunity for property owners (or anyone) to comment on the draft mapping.
- Need Community / Working Group assistance making public aware. (we will provide an example letter)
- Will utilize same Middle Kansas Review Web Map.
- Will run for at least 30 days
- Will coincide with a public open house

Public Open House (Pott. Co)

- Coincides with Public Review
- One Open House for Phases I & II (Pott. Co)
- Will need the working groups to help find a location and notify the public
- Open house will consist of laptop stations where property owners can discuss the draft mapping and discuss with KDA or engineers.
- Will take additional public comments at the open house.

Preliminary Maps (Pott. Co)

Mapping of Phases I & II for Pottawattomie County will go Preliminary at the same time.

Why Floodplain Maps?

- Determine where flood insurance is needed and rate its cost.
  - Flood Insurance Rate Map (FIRM)
- To provide the basis for executing community floodplain management ordinances.
- Understand flood risk so communities can make informed planning decisions and work toward mitigation efforts.

Flood Study for St. Marys

- City of St. Marys contracted with Benesch to conduct a floodplain study back in May.
- To evaluate potential alternatives to reduce flooding from College Creek.
- Recommended changes, if implemented, will eliminate flooding outside of the College Creek channel.

Review the floodplains

Discussion

Q & A

Tara Lanzrath
Floodplain Mapping Coordinator
Kansas Department of Agriculture
Division of Water Resources
785-296-2513
tara.lanzrath@ks.gov