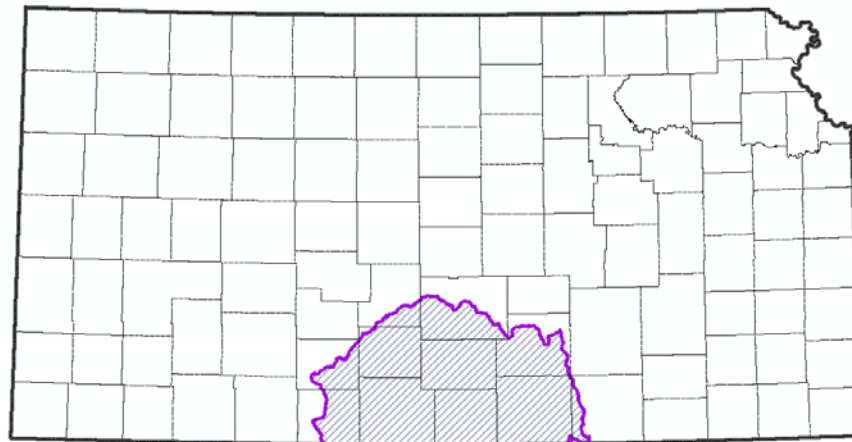




Lower Arkansas Watershed Discovery Meeting

February 26th - 27th, 2020





Your engagement in this process is important to the success of this project, so thank you for taking the time to be here today!



Today's Goals

- ▶ Project Overview- Review Process and Project Timeline
 - ▶ This is the beginning, not the end!
 - ▶ Initial Base Level Engineering (BLE) Data will change with Data Development
- ▶ Discovery Process and Identification of Mitigation Actions
 - ▶ Technical Assistance Options
- ▶ Group Discussion of Community Flood Risk

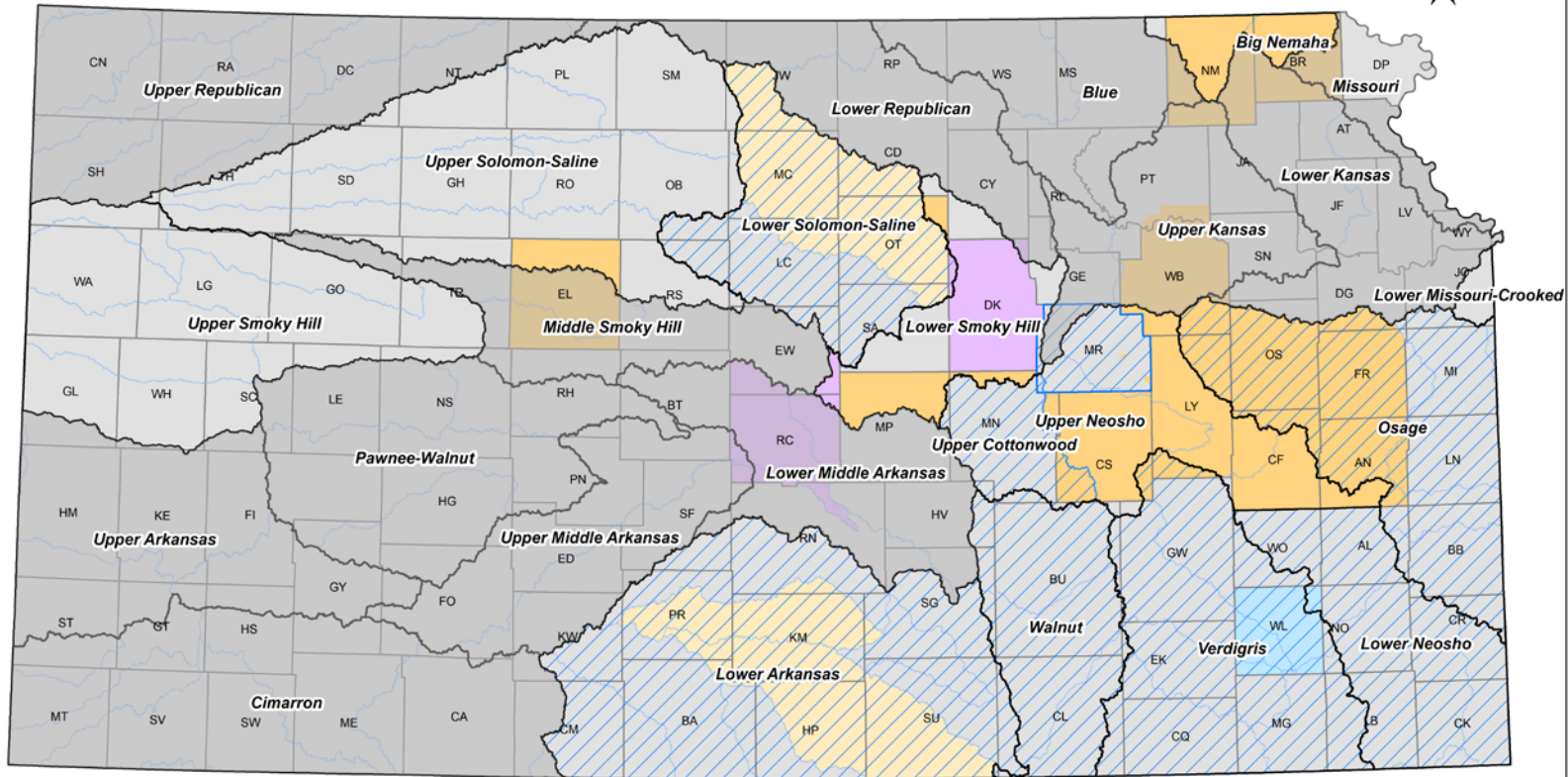


Why We're Here?

- ▶ To conduct a Discovery/ Base Level Engineering project to help identify flood risks.
- ▶ Two-way communication to develop a complete picture of your flood hazards and risks to help you.
 - ▶ Plan for the risk
 - ▶ Take action to protect your communities
 - ▶ Communicate the risk to your citizens
- ▶ Identify next steps for future needs.



Current Floodplain Mapping Projects and Custom Watersheds



October 1, 2019

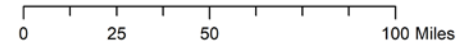
Project Status

- Proposed FY19 BLE*
- Underway
- Draft
- Preliminary
- LFD
- FOA Complete (Non-Reg Zone A)

Watershed Projects

- Custom Watersheds (labeled)
- FY18 BLE Projects -In Development
- HUC 8 Watersheds (not labeled)

*Not all watershed areas will be included. Please check with KDA for details.



Discovery Overview

Discovery is the process of data mining, data collection, and analysis with the goal of initiating a flood risk project or mitigation action and discussing risk within the watershed



Discovery Overview



RiskMAP

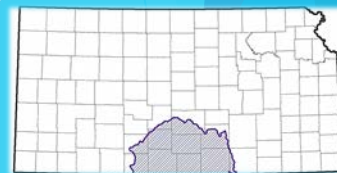
Increasing Resilience Together

- **Mapping** – Identification of areas of natural hazard risk
- **Assessment** – Review and analysis of hazard areas
- **Planning** – Mitigation activities to reduce risk



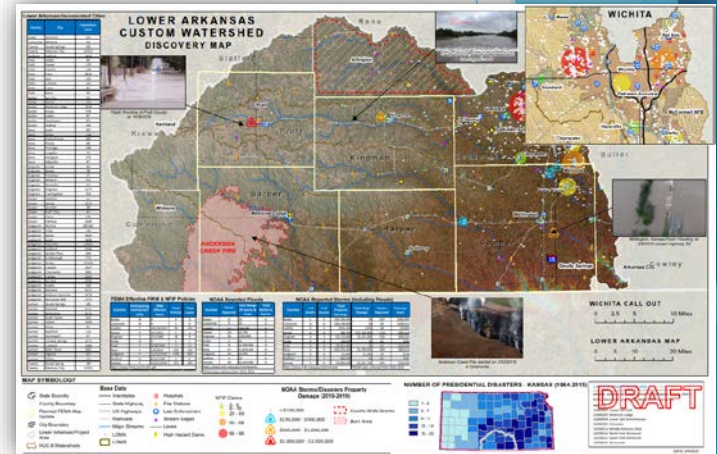
Discovery Overview

- ▶ Two-way conversation between local officials and FEMA.
 - ▶ Local Flood Risks
 - ▶ Other Hazards
 - ▶ Mitigation Activities
 - ▶ Mitigation Plans
 - ▶ Flooding History
 - ▶ Development Plans
 - ▶ Floodplain Management Activities or Issues



Discovery Data Collection

- ▶ Data collection began in Fall of 2019.
 - ▶ Population data
 - ▶ Effective FEMA FIS/FIRM data
 - ▶ Flood insurance policies
 - ▶ Flood insurance claims
 - ▶ NOAA storm event data
 - ▶ Presidential disasters
 - ▶ Base data mapping - topographic data, community boundaries, transportation lines, levees, dams, stream gages, essential facilities, etc.



Draft Discovery Map

Lower Arkansas Incorporated Cities

County	City	Population 2010
Adair	Adair	304
Pratt	Lawer	124
Pratt	Preston	116
Pratt	Pratt	6835
Pratt	Maize	163
Pratt	Collbran	101
Pratt	Coats	83
Pratt	Bayn	35
Barber	Van City	33
Barber	Clawson	148
Barber	Medicine Lodge	1524
Barber	Kiowa	978
Barber	Isabel	87
Barber	Hazen	84
Barber	Hawley	165
Barber	Sumner	387
Reno	Subal	118
Reno	Pretty Prairie	680
Reno	Plains	38
Reno	Panhandle	248
Reno	Langdon	42
Reno	Arlington	873
Reno	Abbeville	87
Kingman	Denz	90
Kingman	Geary	78
Kingman	Paradise	17
Kingman	Nonch	491
Kingman	Nashville	64
Kingman	Elkman	3277
Kingman	Concordham	464
Harger	Waldron	11
Harger	Harger	1473
Harger	Donwille	38
Harger	Bluff City	55
Harger	Atoka	626
Harger	Anthony	2269
Sedgewick	Wichita	382368
Sedgewick	Wills	130
Sedgewick	McDonnell	3420
Sedgewick	Beck	3202
Sedgewick	Hayville	10620
Sedgewick	Goddard	4344
Sedgewick	Gaston Place	849
Sedgewick	Lamborough	773
Sedgewick	Derby	22158
Sedgewick	Cohach	1327
Sedgewick	Clearwater	2483
Sedgewick	Medicine Lodge	1524
Sedgewick	Bel Aire	6769
Sedgewick	Andale	928
Sedgewick	Mulvane	6111
Sedgewick	Oaklawn-Sunview	2276
Sedgewick	McConnell AFB	1277
Sumner	Geuda Springs	185
Sumner	Mulvane	6111
Sumner	Waldman	872
Sumner	South Haven	354
Sumner	Clifford	106
Sumner	Millan	82
Sumner	Mayfield	113
Sumner	Hunnewell	67
Sumner	Combs Springs	3272
Sumner	Clawson	3068
Sumner	Beck	3202
Sumner	Beck Place	1081
Sumner	Argonia	501
Sumner	Millan	155
Sumner	Geuda Springs	185
Cowley	Arkansas City	12415

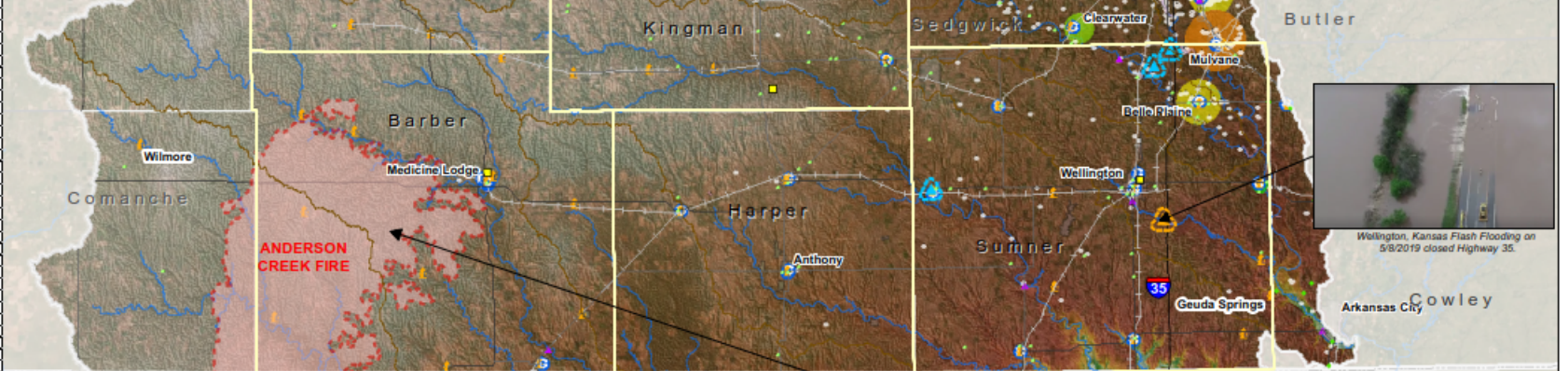
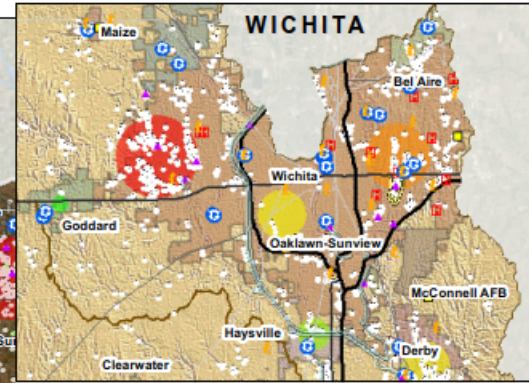
LOWER ARKANSAS CUSTOM WATERSHED DISCOVERY MAP



Flash Flooding in Pratt County on 10/8/2018



Flooded parts of town in Kingman, Kansas in 2016. Flooding damaged and destroyed roads.



Wellington, Kansas Flash Flooding on 5/8/2019 closed Highway 35.

FEMA Effective FIRM & NFIP Policies

Counties	Participating Community? (Y/N)	FIRM Effective Dates	Total Policies	Total Losses
Barber	N	1/15/1960	9	3
Comanche	N	1/15/1960	1	0
Cowley	Y	01/19/2019	86	143
Harger	Y	2/3/2013	7	1
Kingman	Y	8/23/2016	48	9
Kiowa	N	1/15/1960	3	12
Pratt	Y	1/15/1960	229	326
Reno	Y	1/15/2010	229	326
Sedgewick	Y	12/22/2018	1445	960
Stafford	N	1/15/1960	0	0
Sumner	Y	12/22/2018	171	203

NOAA Reported Floods

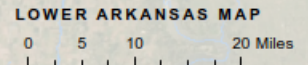
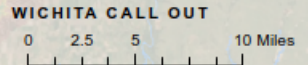
Counties	Floods Reported	Total Damage (Property & Crop)	Total Deaths & Injuries
Barber	6	\$0	0
Comanche	9	\$0	0
Cowley	37	\$18,000	0
Harger	34	\$3,300	0
Kingman	35	\$302,600	0
Kiowa	5	\$0	0
Pratt	9	\$2,500,000	0
Reno	27	\$1,818,300	0
Sedgewick	34	\$2,300	0
Stafford	2	\$0	0
Sumner	34	\$2,463,000	0

NOAA Reported Storms (Including Floods)

Counties	# of Deaths	# of Injuries	Total Property Damage	Total Crop Damage	Events Reported	Price per Event
Barber	1	2	\$20,200,000	\$0	307	\$262,243
Comanche	0	0	\$20,150,000	\$0	92	\$131,685
Cowley	2	2	\$20,110	\$100	58	\$1,466
Harger	0	0	\$88,734	\$10,300,400	159	\$65,616
Kingman	0	1	\$2,123,681	\$4,351,500	156	\$40,225
Kiowa	0	0	\$49,000	\$0	81	\$244
Pratt	0	0	\$3,023,100	\$0	93	\$13,250
Reno	3	4	\$30,765,302	\$4,785,000	384	\$64,513
Sedgewick	0	0	\$1,641	\$1,300	25	\$116
Stafford	2	2	\$60,000	\$0	81	\$244
Sumner	1	1	\$4,009,600	\$4,203,700	345	\$56,600



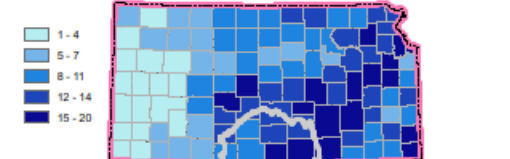
Anderson Creek Fire started on 3/22/2016 in Oklahoma.



MAP SYMBOLOLOGY

- State Boundary
- County Boundary
- Planned FEMA Map Update
- City Boundary
- Lower Arkansas Project Area
- HUC-8 Watersheds
- Base Data
 - Interstates
 - State Highway
 - US Highways
 - Railroads
 - Major Streams
 - Levee
 - LOMA
 - LOMR
- Hospitals
- Fire Stations
- Law Enforcement
- Stream Gages
- High Hazard Dams
- NFIP Claims
 - 0 - 9
 - 10 - 19
 - 20 - 49
 - 50 - 68
 - 69 - 88
- NOAA Storms/Disasters Property Damage (2010-2019)
 - < \$130,000
 - \$130,000 - \$900,000
 - \$900,000 - \$2,000,000
 - \$2,000,000 - \$2,500,000
- County Wide Storms
- Burn Area

NUMBER OF PRESIDENTIAL DISASTERS - KANSAS (1964-2015)



DRAFT

LOWER ARKANSAS PROJECT AREA COUNTY

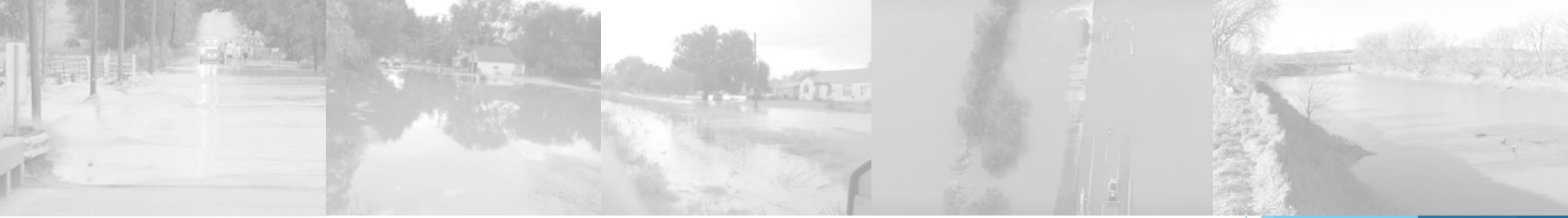
BARBER, COMANCHE, HARGER, KINGMAN, KIOWA, PRATT, SEDGEWICK, SUMNER, WICHITA, COWLEY

11000001 - Upper Salt Fork
 11000003 - Medicine Lodge
 11000004 - Lower Salt Fork Arkansas
 11000005 - Chikaskia
 11000013 - Middle Arkansas State
 11000014 - North Fork Minnehach
 11000015 - South Fork Minnehach
 11000016 - Winnechah

Discovery Stakeholder Engagement

- ▶ Discovery Survey - December 2019
- ▶ Community Phone Calls - January 2020
 - ▶ Topics:
 - ▶ Past flood damages and concerns
 - ▶ Mitigation plans, actions, priorities
 - ▶ Outreach and communication tools
 - ▶ General NFIP and CRS information





BLE Mapping Project Overview



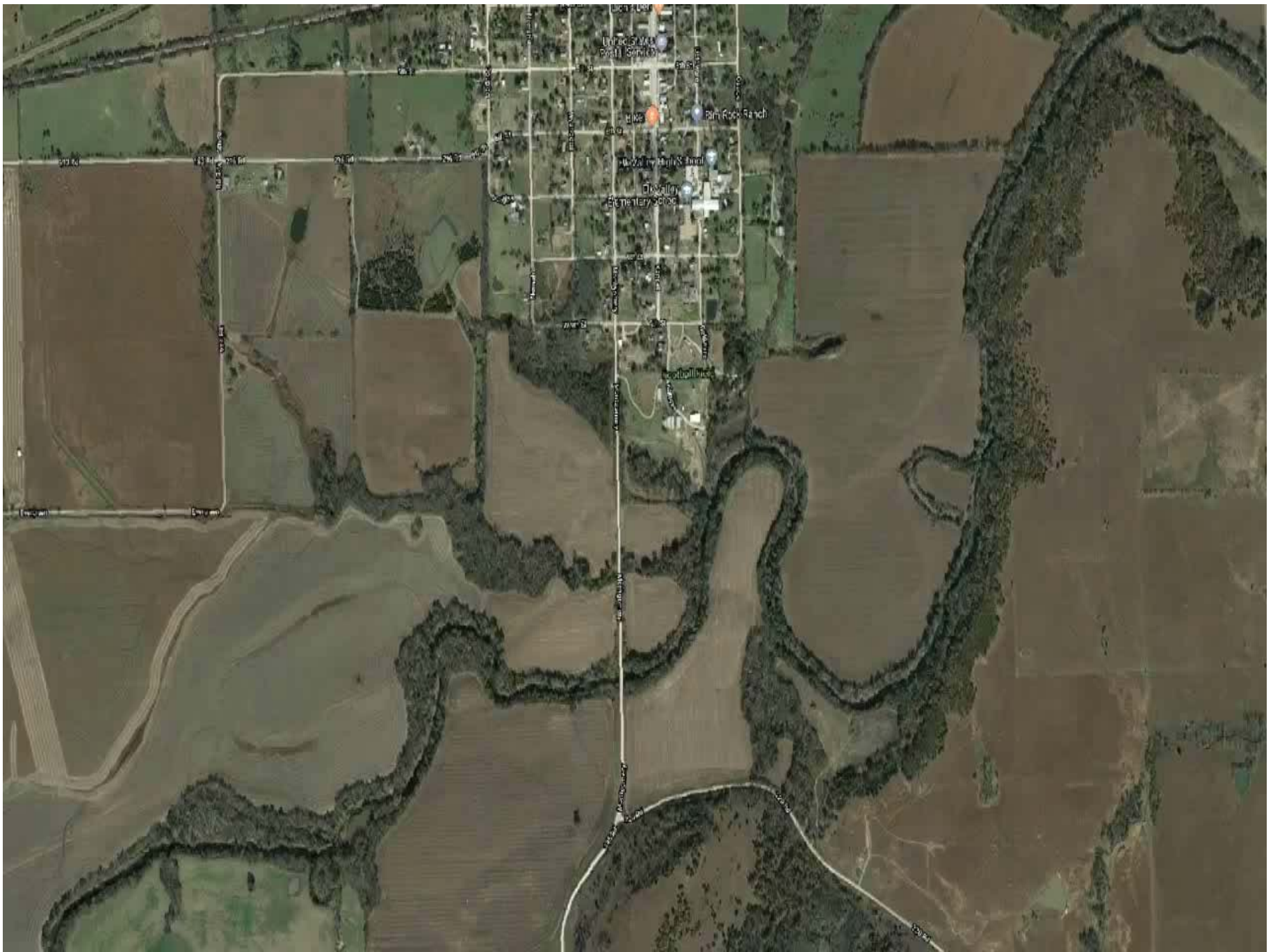
What is Base Level Engineering (BLE)?

- ▶ Development of initial draft floodplains
- ▶ Based on:
 - ▶ LiDAR Topography
 - ▶ National Weather Service (NWS) Rainfall Data
 - ▶ National Land Cover / Land Use Data
 - ▶ NRCS Soil Information
 - ▶ USGS Gage Data Calibration



BLE Uses High-Resolution LiDAR Terrain



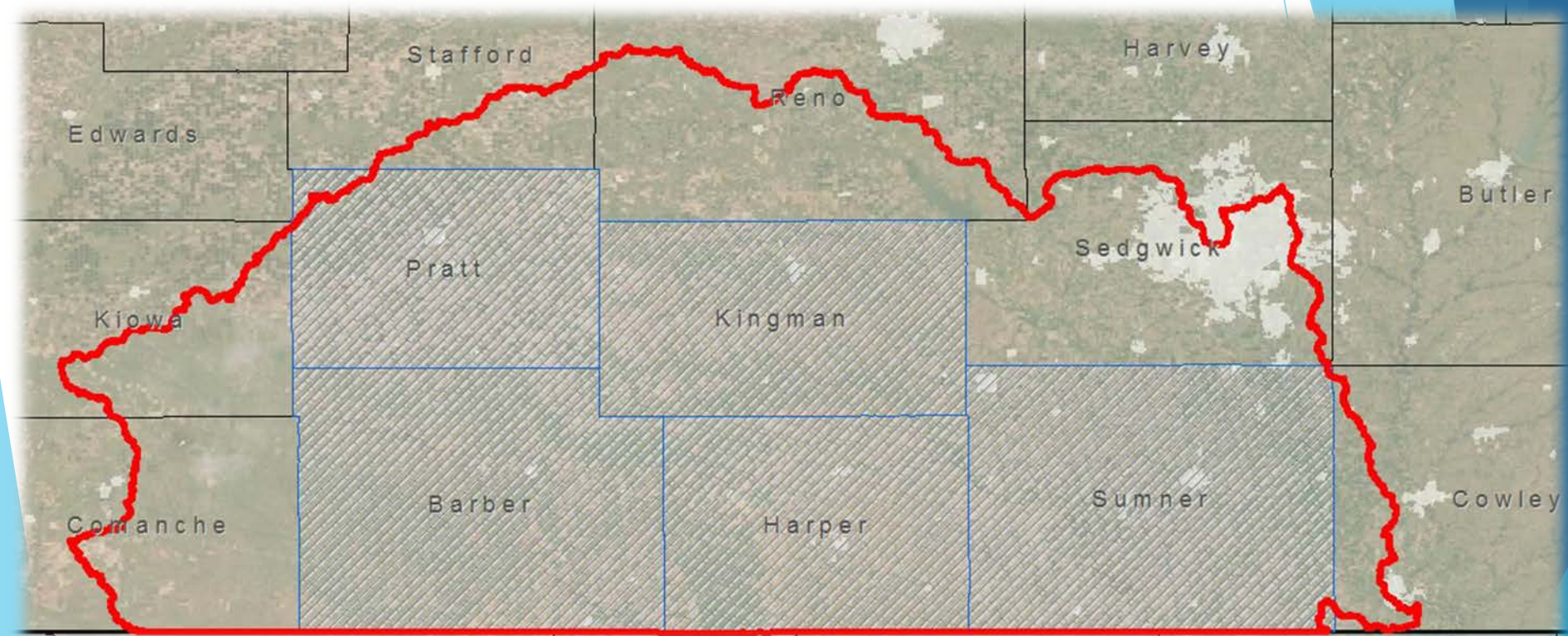


What is Data Development?

- ▶ Engineering Modeling & Mapping used for county-wide update.
- ▶ Considerations include:
 - ▶ Enhancements to BLE, including additional model calibration
 - ▶ Additional rainfall-runoff modeling for specific areas and calibration purposes
 - ▶ Historical flooding events and other local data
 - ▶ Field-measured survey of structures, where specified
 - ▶ Robust review internally and externally
 - ▶ Comments from community review



Planned Regulatory Updates



FY19 Data Development Counties



Data Development - Barber County

Barber County FY19 Mapping Updates

Kiowa

Kingman

Nashville

Zenda

Sun City

Isabel

Medicine Lodge

Sharon

Barber

Attica

Harper

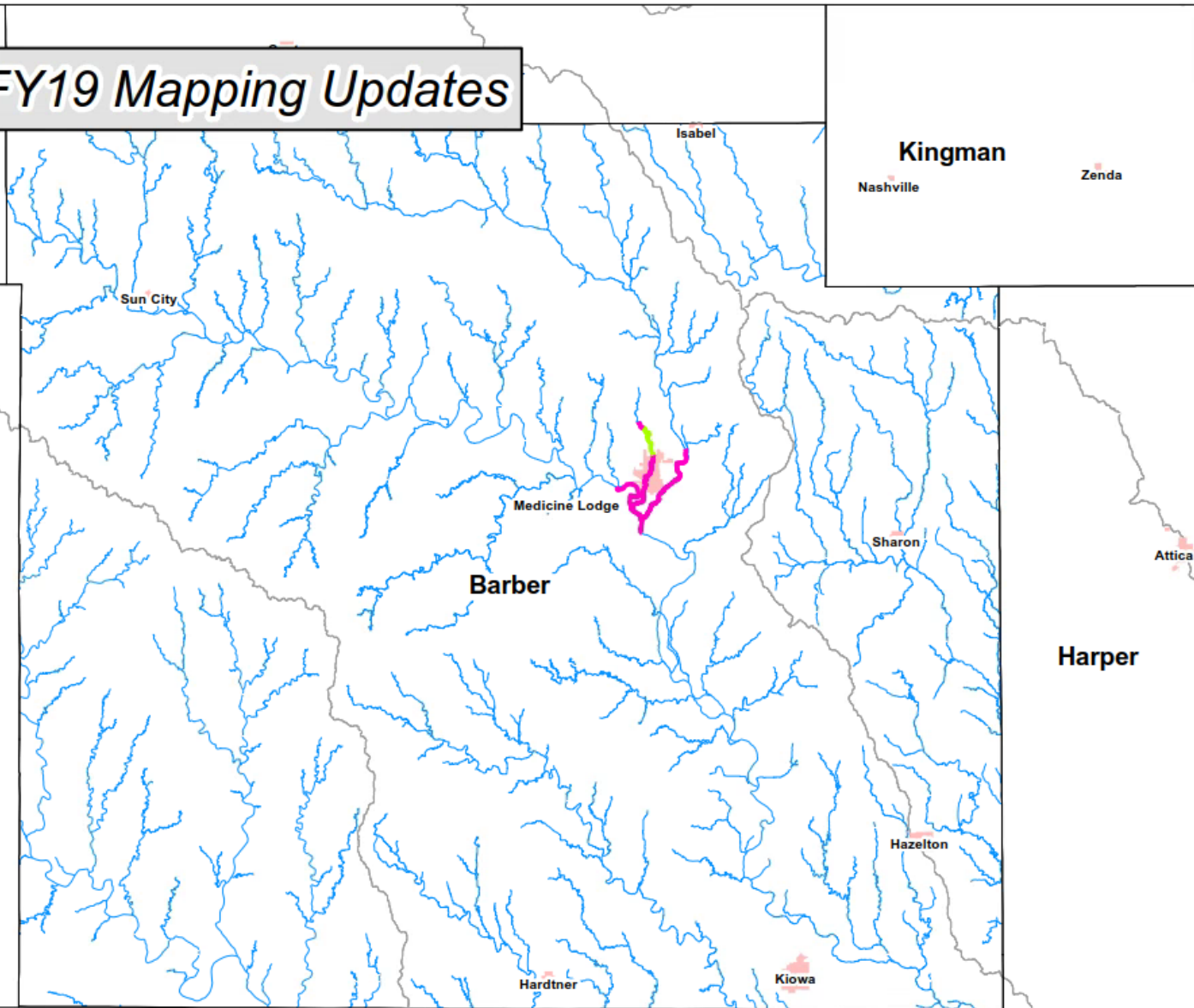
Hazelton

Hardtner

Kiowa

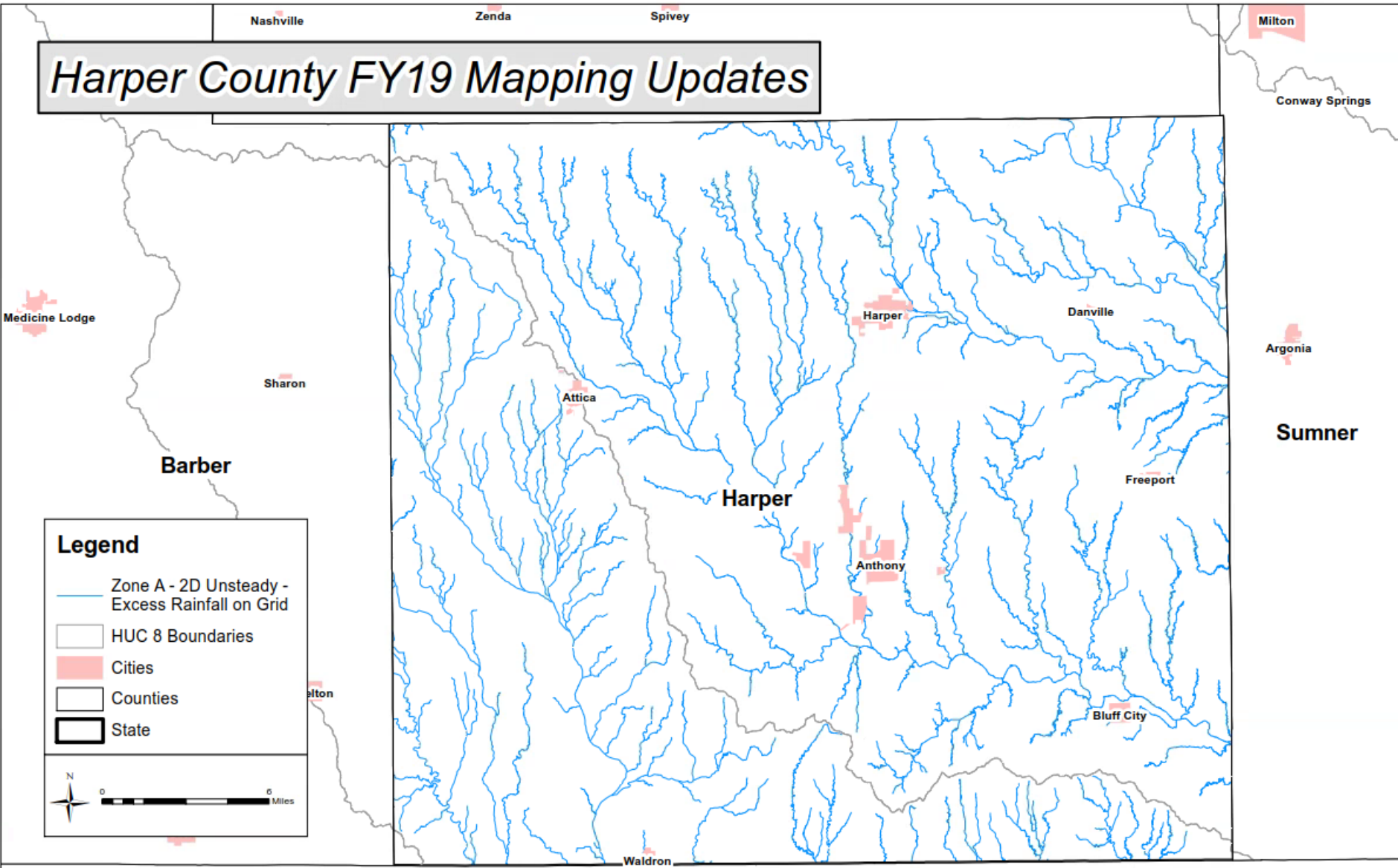
Legend

- Zone AE - with Floodway - 1D Steady - 2D Informed Excess Rainfall on Grid Hydrology
- Zone AE - without Floodway - 1D Steady - 2D Informed Excess Rainfall on Grid Hydrology
- Zone A - 2D Unsteady - Excess Rainfall on Grid
- HUC 8 Boundaries
- Cities
- Counties
- State



Data Development - Harper County

Harper County FY19 Mapping Updates

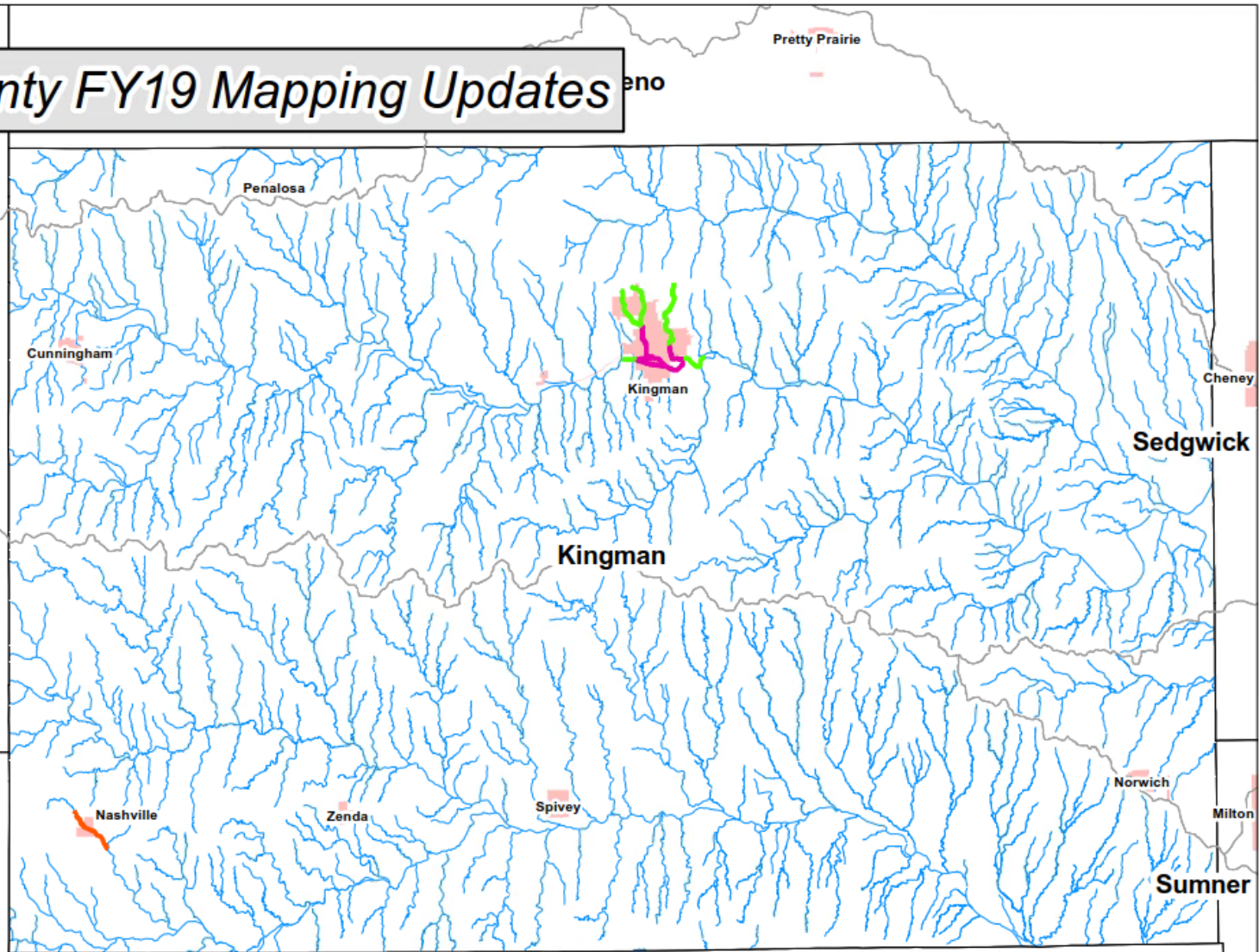


Data Development - Kingman County

Kingman County FY19 Mapping Updates

Legend

- Zone AE - with Floodway - 1D Steady - 2D Informed Excess Rainfall on Grid Hydrology
- Zone AE - without Floodway - 1D Steady - 2D Informed Excess Rainfall on Grid Hydrology
- Zone A - Enhanced - 2D Unsteady - Excess Rainfall on Grid
- Zone A - 2D Unsteady - Excess Rainfall on Grid
- HUC 8 Boundaries
- Cities
- Counties
- State

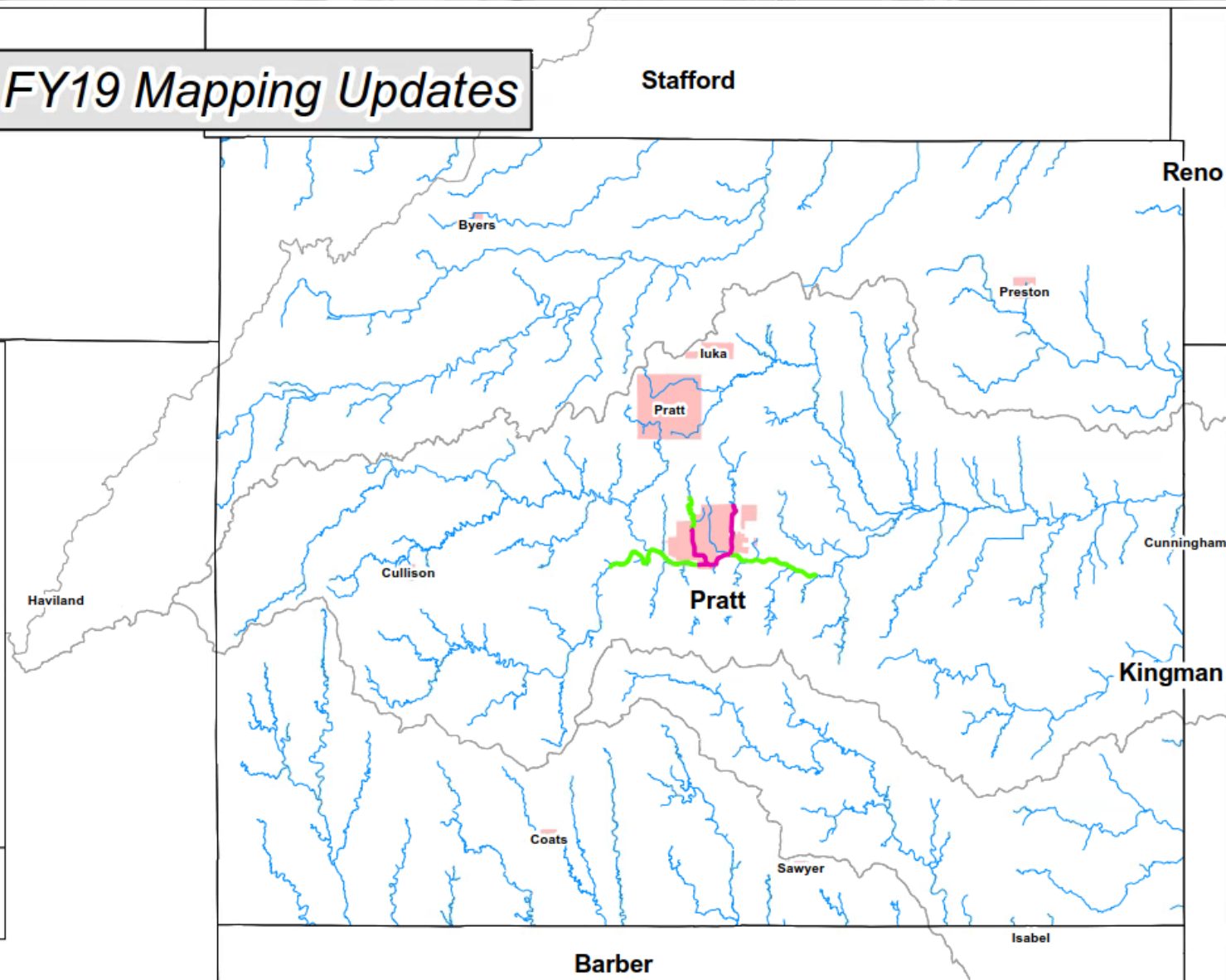


Data Development - Pratt County

Pratt County FY19 Mapping Updates

Legend


- New Zone AE - with Floodway - 1D Steady - 2D Informed Excess Rainfall on Grid Hydrology
- New Zone AE - without Floodway - 1D Steady - 2D Informed Excess Rainfall on Grid Hydrology
- Zone A - 2D Unsteady - Excess Rainfall on Grid
- HUC 8 Boundaries
- Cities
- Counties
- State





Data Development - Sumner County

Sumner County FY19 Mapping Updates


Legend

 New Zone AE - with Floodway - 1D Steady - 2D Excess Rainfall on Grid Informed Hydrology

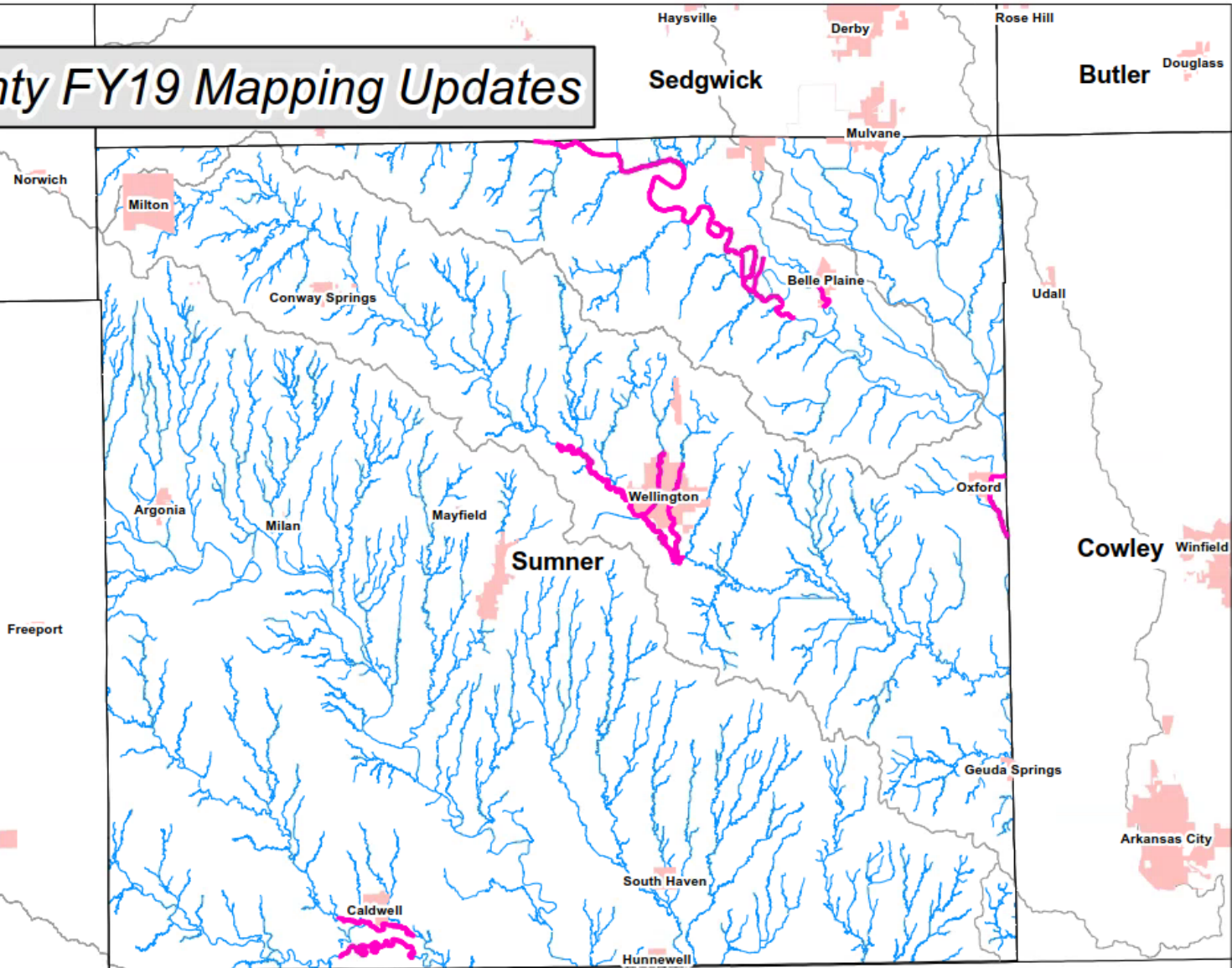
 Zone A - 2D Unsteady - Excess Rainfall on Grid

 HUC 8 Boundaries

 Cities

 Counties

 State



Ultimate Project Goals

- ▶ Communicate flood hazard risk for the Lower Arkansas custom watershed.
- ▶ Update countywide floodplains for Barber, Harper, Kingman, Pratt, and Sumner Counties.
- ▶ Leave a map that communities BELIEVE.
- ▶ Help communities and residents better understand and prepare for their flood risk.
- ▶ Identify mitigation opportunities.



Project Timeline

▶ Discovery and Initial Map Review

- ▶ Community Engagement Kickoff Meetings
 - ▶ March 5-6, 2019
- ▶ Discovery and Map Review Meetings
 - ▶ February 2020
- ▶ Data Collection
 - ▶ Spring 2020
- ▶ Identify Community Needs
 - ▶ Spring 2020

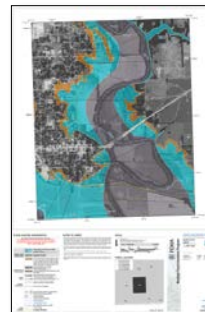


▶ Paper Inventory Reduction (PIR) (Barber, Harper, Kingman, Pratt)

- ▶ Regulatory Data Development
 - ▶ Spring 2020 - Spring 2021
- ▶ Preliminary Map Products
 - ▶ Winter 2021
- ▶ Post Preliminary Processing
 - ▶ 2022
- ▶ Effective Regulatory Products
 - ▶ 2023

▶ Sumner County (Currently Only Funded for DD)

- ▶ Regulatory Data Development
 - ▶ Spring 2020 - Summer 2021
- ▶ Draft Regulatory Map Products
 - ▶ Fall 2021

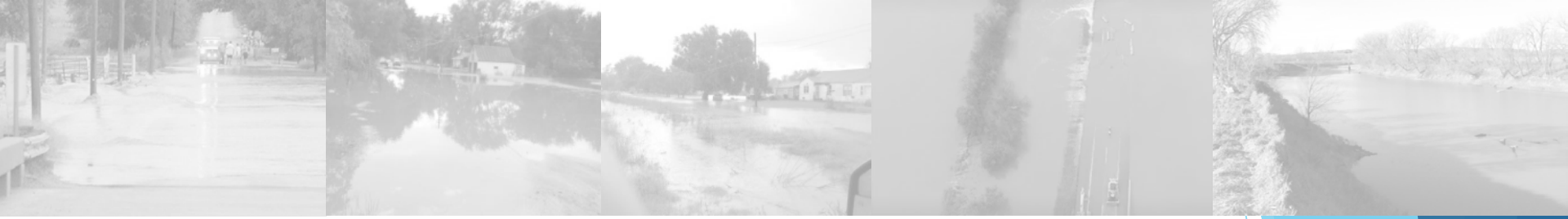


FLOOD INSURANCE STUDY	
WILSON COUNTY, KANSAS	
AND NEIGHBORING AREAS	
DATE OF STUDY	2020
DATE OF REPORT	2021
DATE OF DATA COLLECTION	2020
DATE OF DATA ANALYSIS	2021
DATE OF DATA REVIEW	2021
DATE OF DATA APPROVAL	2021
DATE OF DATA RELEASE	2021
DATE OF DATA UPDATE	2021
DATE OF DATA REVISION	2021
DATE OF DATA CORRECTION	2021
DATE OF DATA DELETION	2021
DATE OF DATA ARCHIVAL	2021

FEMA

EFFECTIVE: JANUARY 8, 2022





Initial Map Review of BLE Floodplains



Floodplain Map Review

- ▶ AECOM Review
 - ▶ AECOM internal peer review
- ▶ Independent Technical Review (ITR)
 - ▶ 3rd party review of engineering by Wood E&IS
- ▶ KDA Review
 - ▶ Visual review
 - ▶ “eye test”
 - ▶ Identify impact of the map
- ▶ FEMA Review
 - ▶ Formal quality review process of regulatory products



Community Map Review

- ▶ A web map has been created to submit comments:

[Web map link can be provided to stakeholders](#)

Comments are public facing (FYI)

- ▶ 30-day Review Period (More if needed)
- ▶ Conduct as the Working Group / Community sees fit



Draft BLE SFHA - Wellington

NATIONAL FLOOD INSURANCE PROGRAM

DISCOVERY 2D BLE WORKMAP

Wellington, Kansas
Sumner County



FEMA



MAP SYMBOLOGY

SPECIAL FLOOD HAZARD AREAS

 2D BLE ZONE A

OTHER FEATURES

-  100 Zone A Base Flood Elevation
-  Stream lines
-  Effective Zone AE
-  Municipal Boundary
-  County Boundary

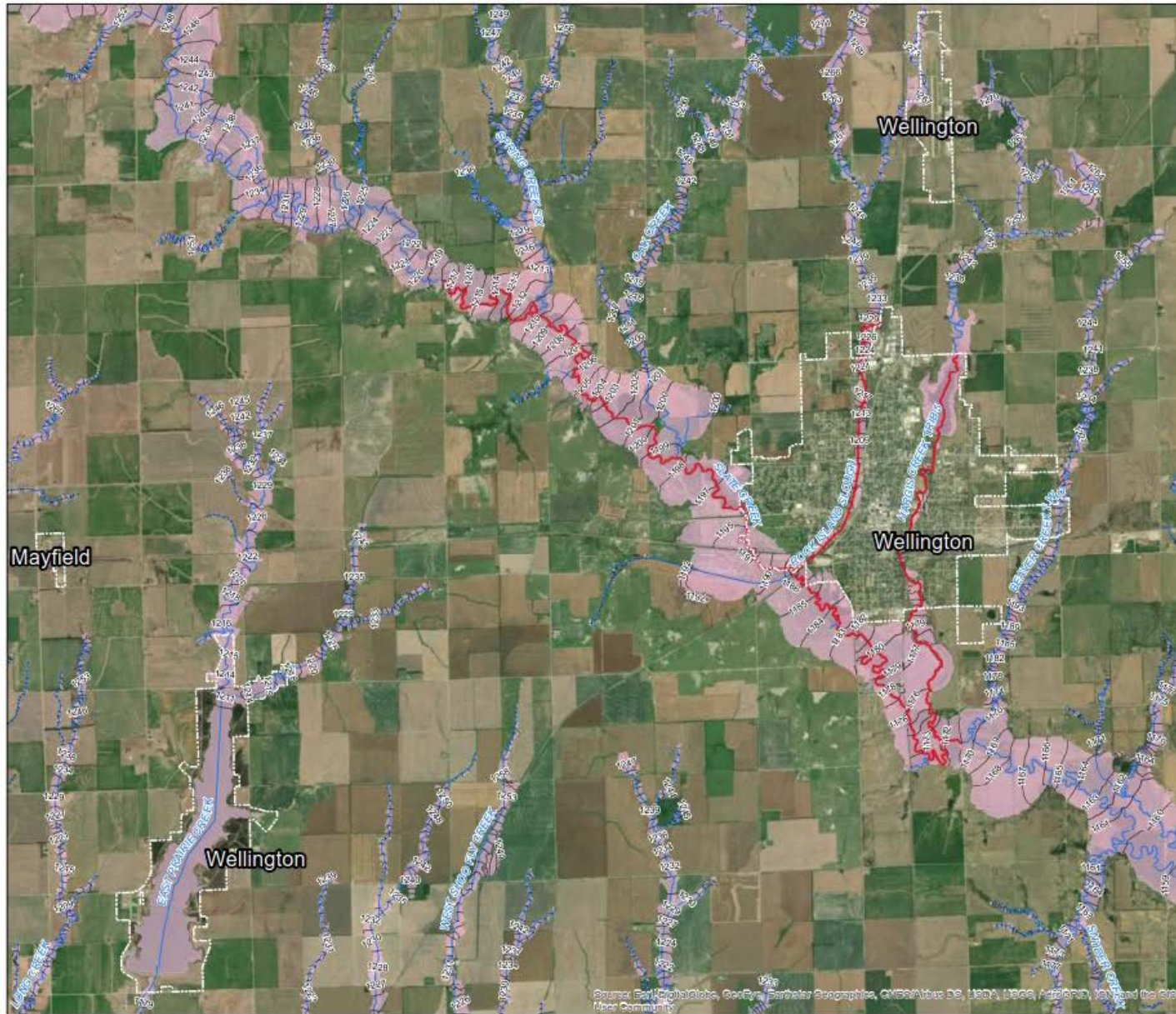
NAD 1983 StatePlane Kansas South FIPS 1502 Feet
 Projection: Lambert Conformal Conic
 Datum: North American 1983
 False Easting: 1,312,333.3333
 False Northing: 1,312,333.3333
 Central Meridian: -98.5000
 Standard Parallel 1: 37.2667
 Standard Parallel 2: 38.5667
 Latitude Of Origin: 36.6667
 Units: Foot US



1 inch = 5,000 feet

0 2,800 5,600 11,200 16,800 Feet

0 750 1,500 3,000 4,500 Meters



Draft BLE CSLF - Wellington

NATIONAL FLOOD INSURANCE PROGRAM

DISCOVERY 2D BLE CSLF WORKMAP

Wellington, Kansas
Sumner County



FEMA



MAP SYMBOLOGY

SPECIAL FLOOD HAZARD AREAS

- DECREASE
- INCREASE
- NO CHANGE

OTHER FEATURES

- Stream lines
- Effective Zone AE
- Municipal Boundary
- County Boundary

NAD 1983 StatePlane Kansas South FIPS 1502 Feet
 Projection: Lambert Conformal Conic
 Datum: North American 1983
 False Easting: 1,312,333.3333
 False Northing: 1,312,333.3333
 Central Meridian: -98.5000
 Standard Parallel 1: 37.2667
 Standard Parallel 2: 38.5667
 Latitude Of Origin: 36.6667
 Units: Foot US

1 inch = 5,000 feet

0 2,800 5,600 11,200 16,800 Feet

0 750 1,500 3,000 4,500 Meters



Draft BLE SFHA - Medicine Lodge

NATIONAL FLOOD INSURANCE PROGRAM

DISCOVERY 2D BLE WORKMAP
Medicine Lodge, Kansas
Barber County



FEMA



Kansas
 Department of Agriculture
 Division of Water Resources

MAP SYMBOLOLOGY

SPECIAL FLOOD HAZARD AREAS

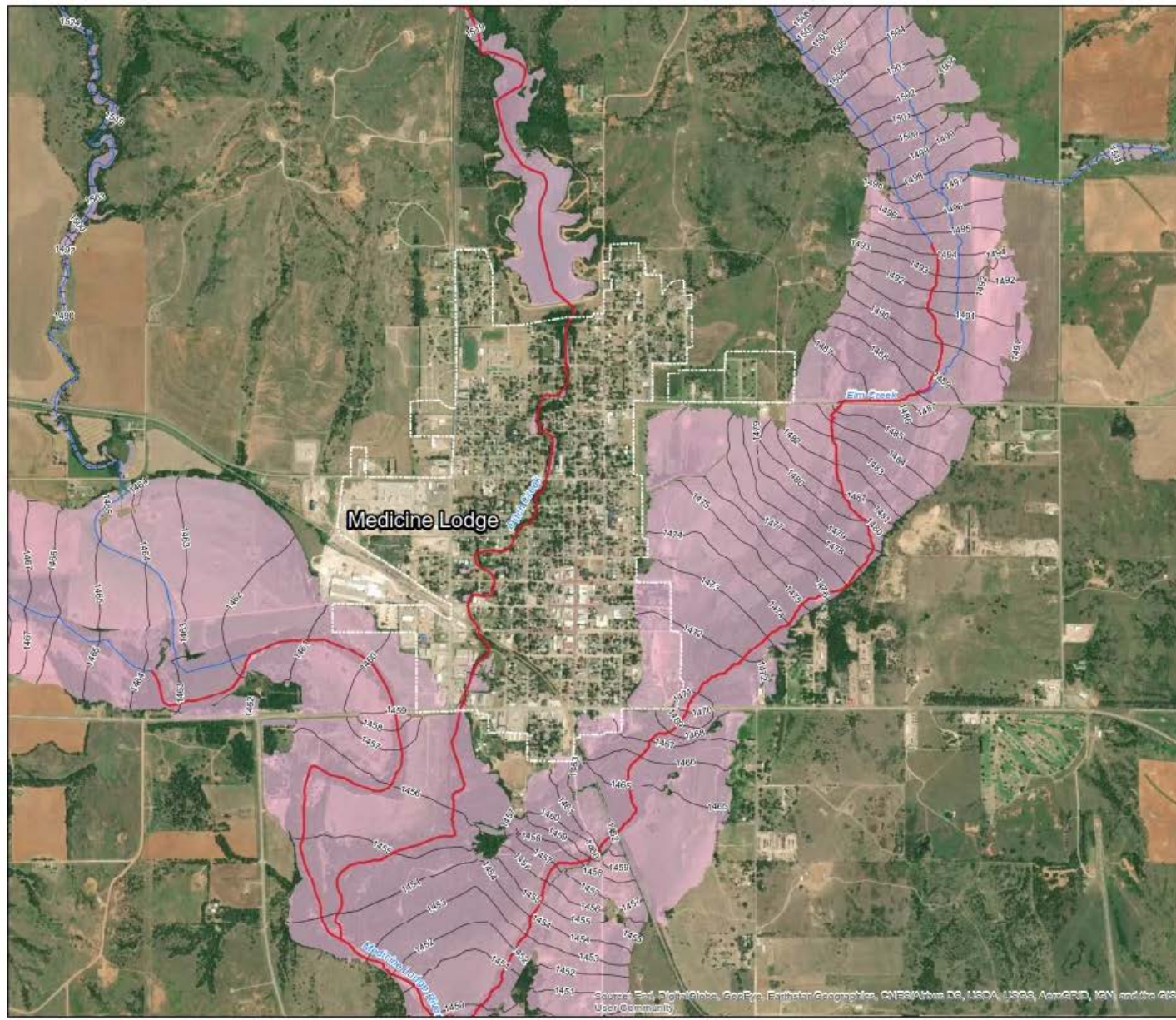
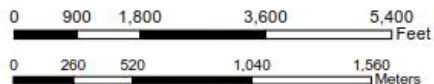
 2D BLE ZONE A

OTHER FEATURES

-  100 Zone A Base Flood Elevation
-  Stream lines
-  Effective Zone AE
-  Municipal Boundary
-  County Boundary

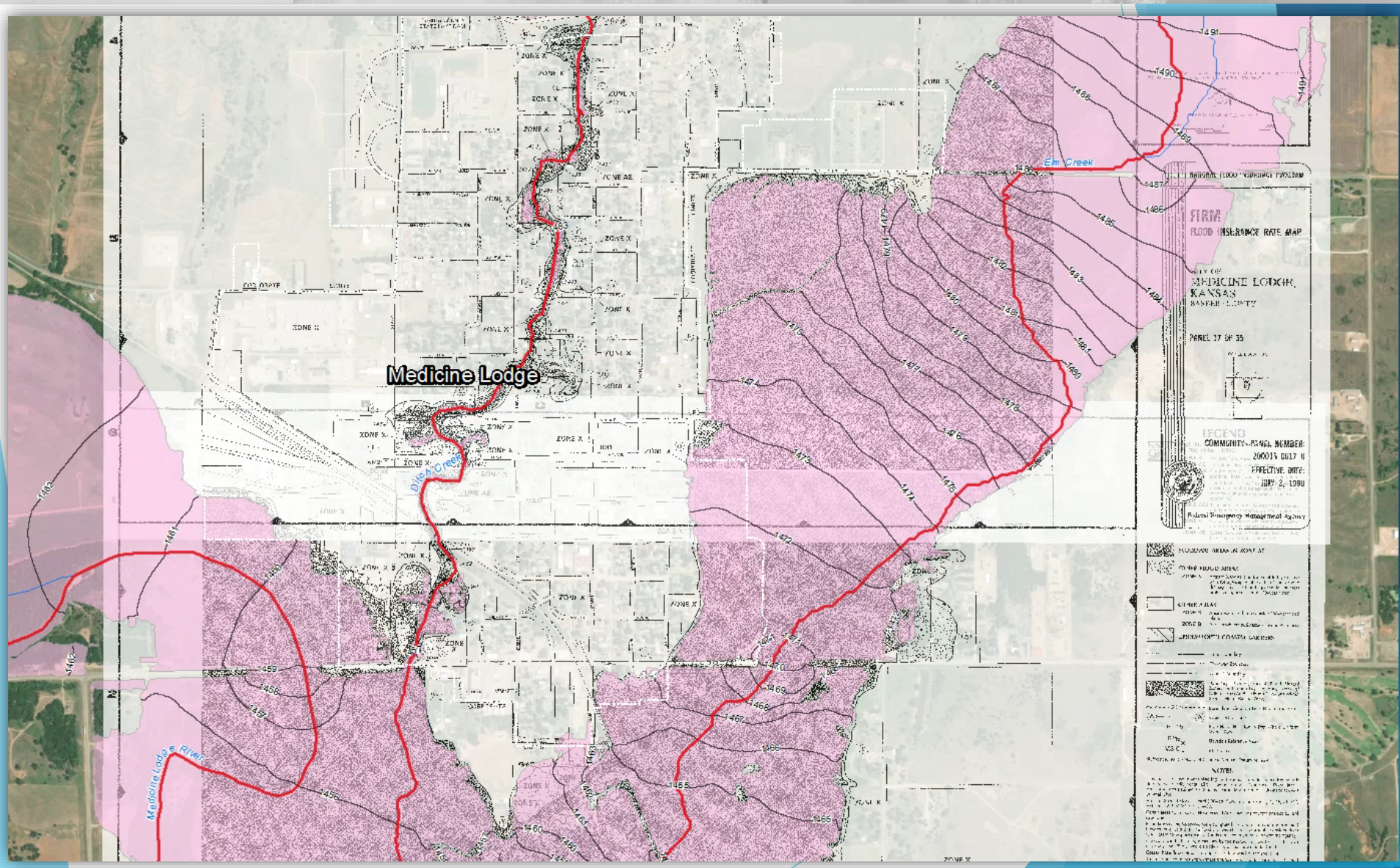
NAD 1983 StatePlane Kansas South FIPS 1502 Feet
 Projection: Lambert Conformal Conic
 Datum: North American 1983
 False Easting: 1,312,333.3333
 False Northing: 1,312,333.3333
 Central Meridian: -98.5000
 Standard Parallel 1: 37.2667
 Standard Parallel 2: 38.5667
 Latitude Of Origin: 36.6667
 Units: Foot US

1 inch = 1,655 feet



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Draft BLE CSLF - Medicine Lodge



Draft BLE SFHA - Pratt

NATIONAL FLOOD INSURANCE PROGRAM

DISCOVERY 2D BLE WORKMAP

Pratt, Kansas
Pratt County



FEMA



Kansas
Department of Agriculture
Division of Water Resources

MAP SYMBOLOGY

SPECIAL FLOOD HAZARD AREAS



OTHER FEATURES

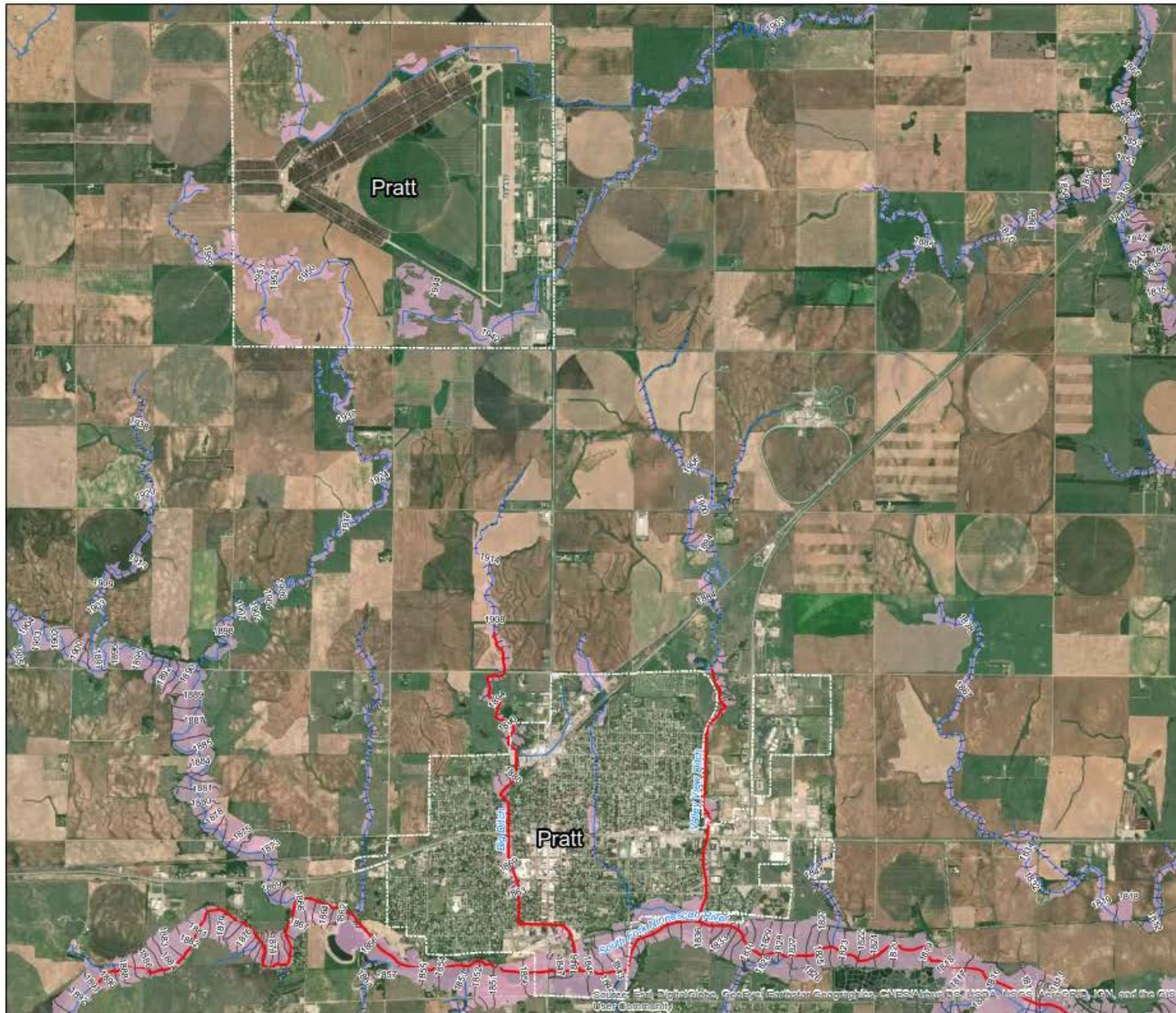
- 100 Zone A Base Flood Elevation
- Stream lines
- Effective Zone AE
- Municipal Boundary
- County Boundary

NAD 1983 StatePlane Kansas South FIPS 1502 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
False Easting: 1,312,333.3333
False Northing: 1,312,333.3333
Central Meridian: -98.5000
Standard Parallel 1: 37.2667
Standard Parallel 2: 38.5667
Latitude Of Origin: 36.6667
Units: Foot US

1 inch = 3,168 feet

0 1,750 3,500 7,000 10,500 Feet

0 500 1,000 2,000 3,000 Meters



Draft BLE SFHA - Kingman

NATIONAL FLOOD INSURANCE PROGRAM

DISCOVERY 2D BLE WORKMAP

Kingman, Kansas
Kingman County



FEMA




Kansas
Department of Agriculture
Division of Water Resources

MAP SYMBOLOGY

SPECIAL FLOOD HAZARD AREAS

 2D BLE ZONE A

OTHER FEATURES

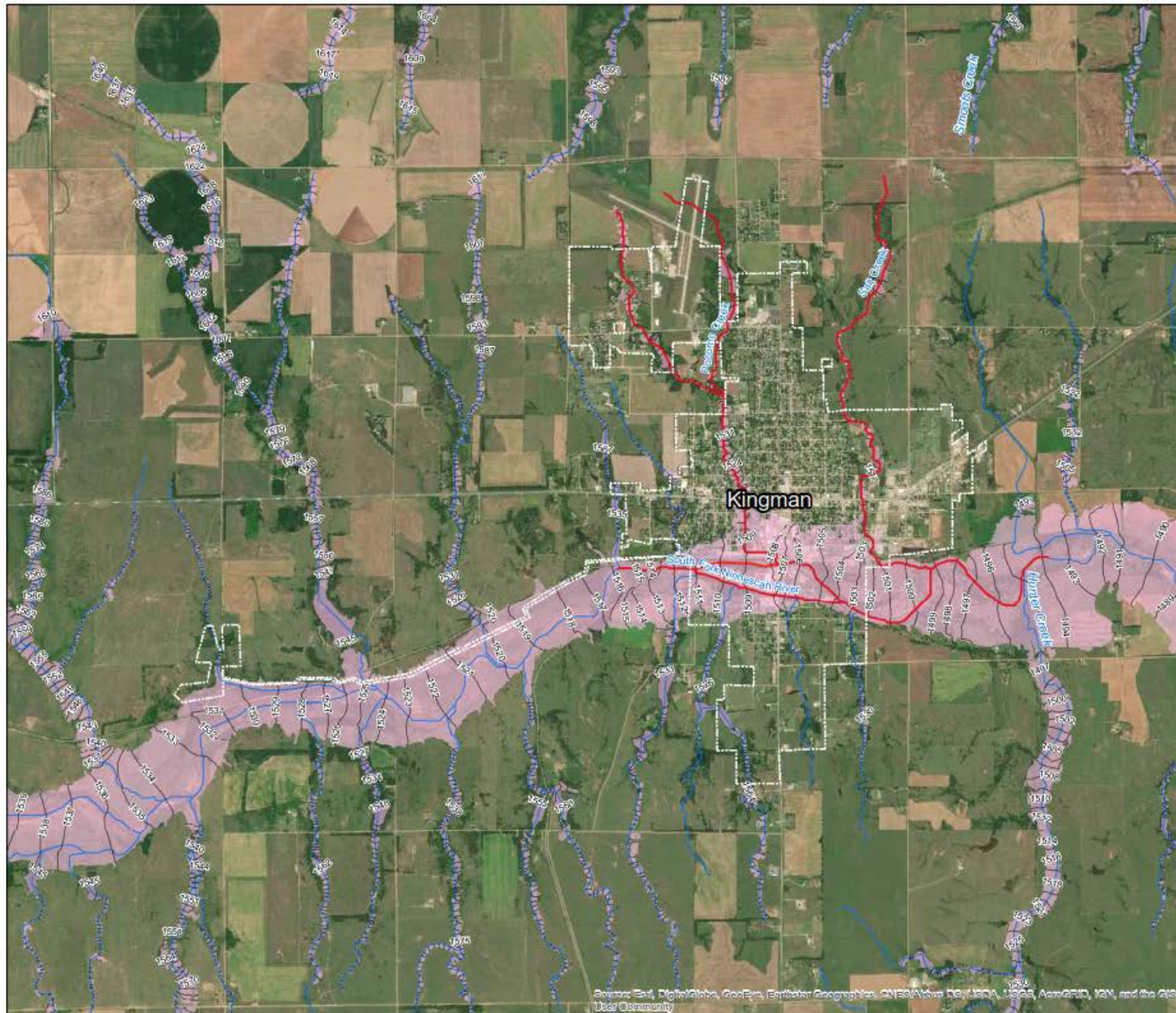
-  100 Zone A Base Flood Elevation
-  Stream lines
-  Effective Zone AE
-  Municipal Boundary
-  County Boundary

NAD 1983 StatePlane Kansas South FIPS 1502 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
False Easting: 1,312,333.3333
False Northing: 1,312,333.3333
Central Meridian: -98.5000
Standard Parallel 1: 37.2667
Standard Parallel 2: 38.5667
Latitude Of Origin: 36.6667
Units: Foot US

1 inch = 2,972 feet

0 1,650 3,300 6,600 9,900 Feet

0 470 940 1,880 2,820 Meters



Community Map Review

- ▶ Review the Base Level Zone A data to let us know if the floodplains are making sense and are scoped appropriately
- ▶ Keep in mind this early BLE floodplain data is subject to change and we are at the very early stages of developing the data
 - ▶ Another round of Community Review will Occur after Data Development at the **Flood Risk Review (FRR) Meeting in the Fall of 2020**



Web Map Review



Lower Arkansas Custom Watershed
Initial Base Level Floodplain Mapping

Q Enter an address or place

Legend

BLE Data

Draft Base Flood Elevation (BFE) 2-17-2020

—

Lower Arkansas Custom Watershed



Draft BLE Floodplains 2-17-2020



Comments



Layers (Click to expand)

Editor

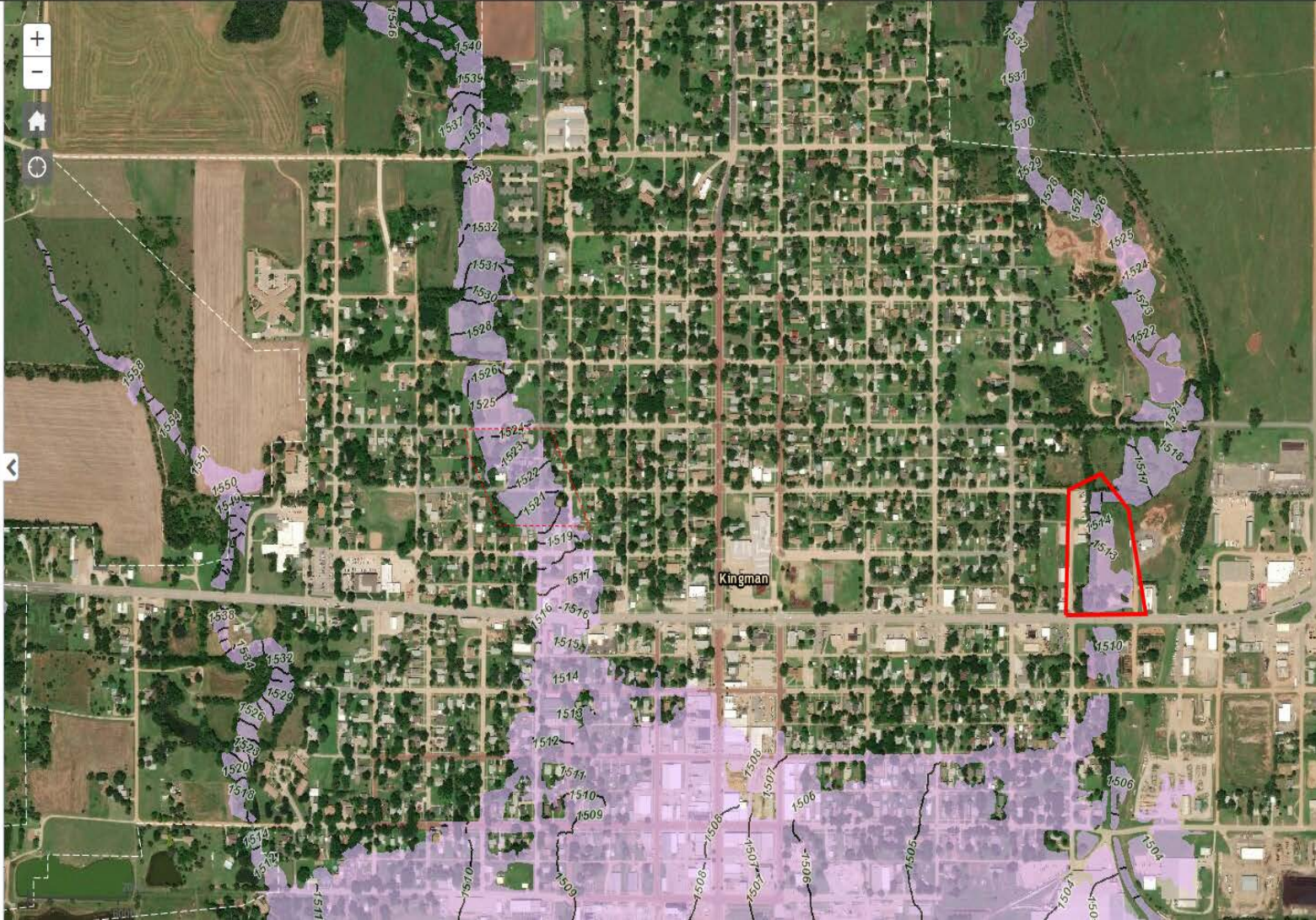
Draw

Measurement

Print

Directions

Google Street View



Base Flood Elevation Portal



Kansas Base Flood Elevation Portal

[Home](#)[About](#)[Help](#)

Portal Registration

First Name

Last Name

User name

Title

Phone

Email Address

Address

City

Zip

State

Register

For Zone A Floodplains, you can request BFE Data. Keep in mind, BLE data is subject to change.



What information do you have that can help us make better maps?

- ▶ Updated Imagery
 - ▶ Will typically use the latest NAIP Imagery
- ▶ Survey or As-Built Plan Information
 - ▶ Bridge or Culvert Openings
 - ▶ Channel Information
- ▶ LOMR's or LOMA's
- ▶ Levee Information



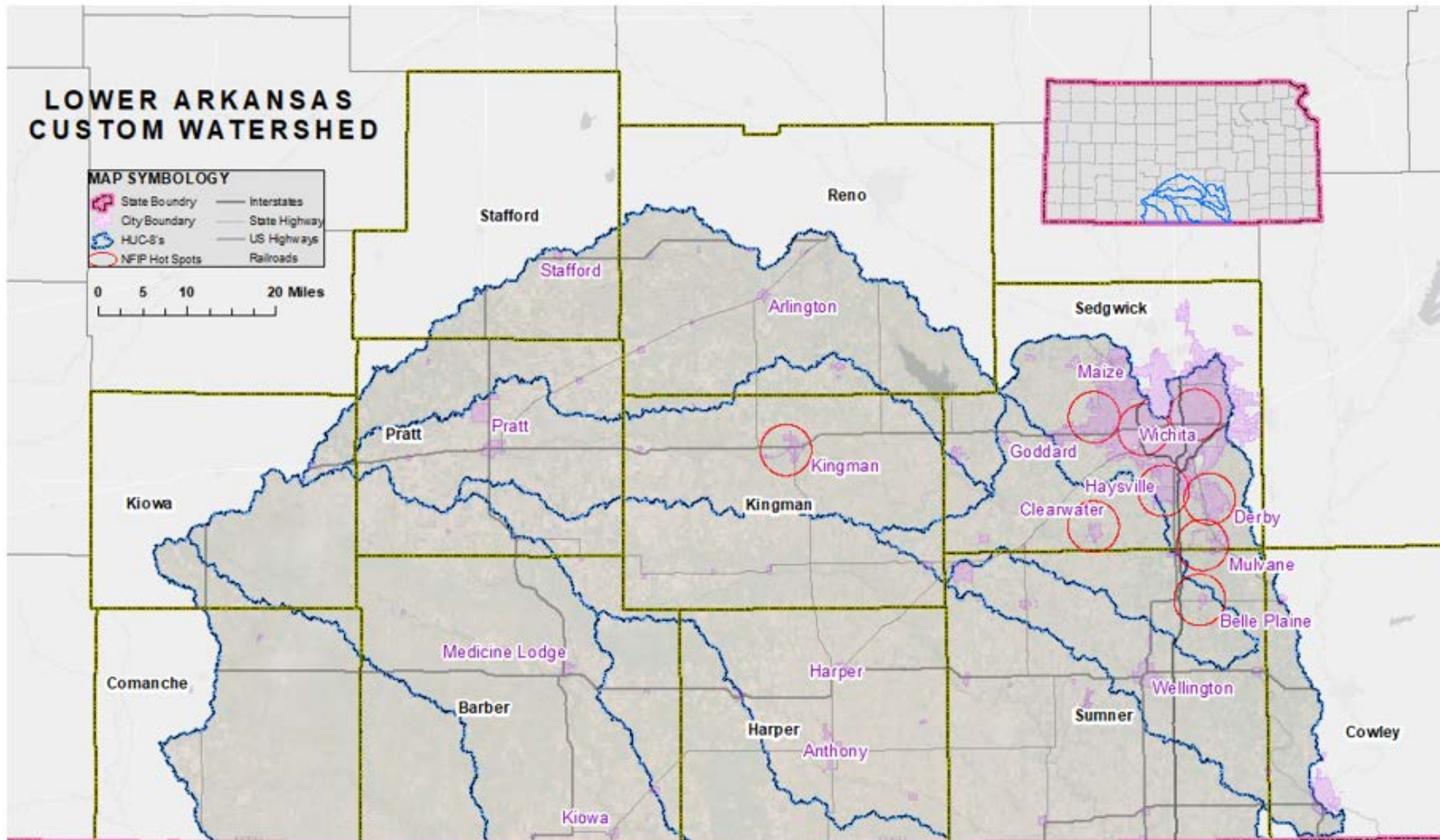
What information do you have that can help us make better maps?

- ▶ Let us know areas of development where the ground surface has likely changed since the date of the Lidar (2011 for most of watershed)
- ▶ Provide us with survey/as-builts/grading plans for recent development



Are there areas where Mitigation should be considered?

A repetitive loss property is any insurable building for which two or more claims of more than \$1,000 were paid by the NFIP in any rolling 10-year period. When clusters of repetitive loss properties occur in a community, it may indicate an area of mitigation interest.



Are there areas where Mitigation should be considered?

- ▶ Determine areas that would benefit from mitigation efforts
- ▶ Determine the amount of interest from local stakeholders
- ▶ Determine funding opportunities





Mitigation Technical Assistance



KDA Mitigation Technical Assistance

- ▶ Funding has been available in recent years from the KS CTP Grant
 - ▶ Predefined projects & pot of money to allocate when projects are identified
- ▶ Project Types:
 - ▶ Modeling infrastructure improvements to see flooding reductions in SFHA
 - ▶ Benefit-Cost Analysis (BCA)
 - ▶ Structure Based Risk Assessment
 - ▶ Community Outreach and Education - Story Maps, Virtual Reality (VR)



KDA Mitigation Technical Assistance

- ▶ Timeline: Ideally performed during Base Level Engineering (BLE), Discovery or Data Development Phase
- ▶ Cannot fund the improvement project itself
- ▶ Website for Technical Assistance Projects
- ▶ Includes project specific information
- ▶ Link to fillable request form
 - ▶ <https://www.agriculture.ks.gov/divisions-programs/dwr/floodplain/mapping/technical-assistance>

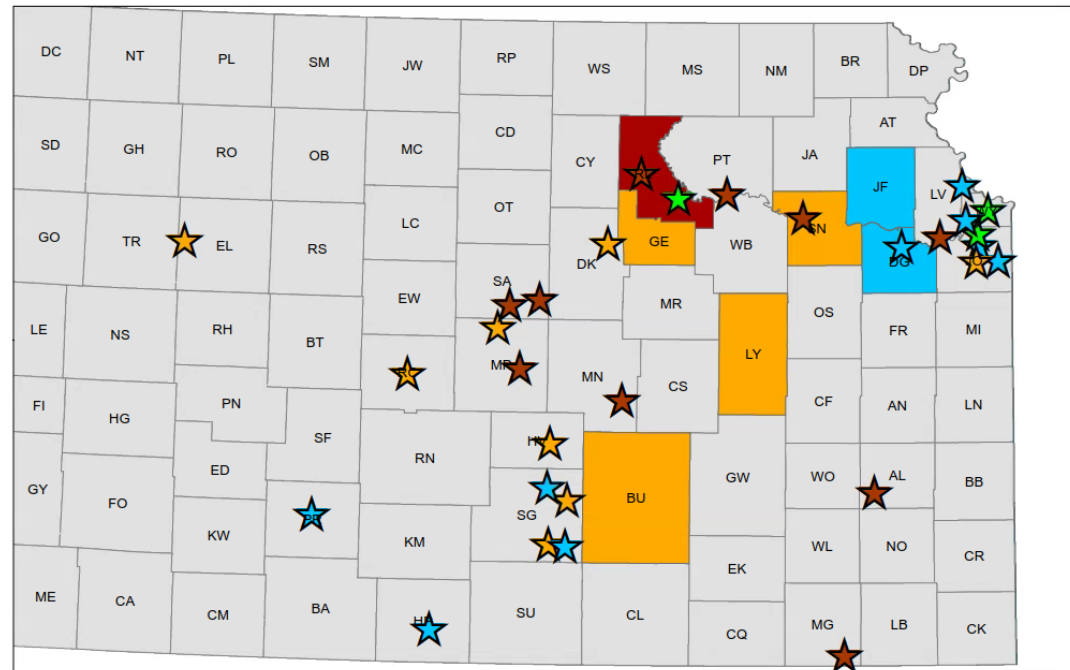


KDA Mitigation Technical Assistance



- ▶ CRS is a voluntary program in the NFIP that rewards pro-active communities with discounted flood insurance premium rates.
- ▶ CRS Communities in Lower Arkansas Watershed:

- ▶ City of Anthony
- ▶ City of Bel Aire
- ▶ City of Derby
- ▶ City of Haysville
- ▶ City of Pratt



CRS Communities (37)

Class 6 7 8 9

September 2019

KDA Mitigation Technical Assistance



- Activity 610 (Flood Warning and Response) is based on the principle that an ample warning combined with a flood response plan can prevent loss of life and damage to property.

▶ CRS Activity 610 (Flood Warning and Response)

- ▶ Maximum Credit: 395 points
- ▶ Community Must Have:
 - ▶ Flood warning and response program and flood threat recognition system
 - ▶ Flood inundation maps
 - ▶ Adopted flood warning response plan



A flood inundation map for a riverine area



[Kansas Floodplain Map Viewer](#)

[LOMC Search](#)

[Mapping Projects](#)

[Technical Assistance](#)

[Home](#) > [Divisions & Programs](#) > [Division of Water Resources](#) >

[Floodplain Management](#) > [Mapping](#) > [Technical Assistance](#)

Technical Assistance

TECHNICAL ASSISTANCE PROJECTS

- [Gypsum](#)
- [Hoisington](#)
- [Solomon](#)
- [South Hutchinson](#)
- [Topeka](#)

TECHNICAL ASSISTANCE INFORMATION

FEMA Funds for technical assistance projects have come available in recent Cooperating Technical Partner (CTP) funding cycles. These projects do not include funding for construction of projects, but they can be utilized for modeling mitigation scenarios for possible projects. These funds can be applied for grant-related purposes, ordinance or code support, engineering and analysis, planning, outreach and education. Communities within Kansas can apply for Technical Assistance support through KDA, though priority will be given where there are active [mapping projects](#). For questions, please contact Tara Lanzrath, by phone at 785-296-2513 or [email](#).

[Technical Assistance Request Fillable Form](#)

What Should You Do Next?

▶ Initial Map Review

- ▶ Review scope for data development projects
- ▶ Review BLE floodplains and comment within 30 days (more if needed).
- ▶ Review stream extents. Are we missing anything?

▶ Provide Data

- ▶ Provide any existing data (Imagery, Surveys, Plans, LOMRs, etc.)
- ▶ Provide information on drainage studies, stormwater plans, capital improvement plans, upcoming projects.

▶ Consider Mitigation Projects

- ▶ Should a Technical Assistance Request be submitted?
- ▶ Should other Mitigation Projects be initiated



Stay Informed

- ▶ Email List
 - ▶ Get me names, addresses, and titles
 - ▶ Will be main source of project updates
- ▶ Project Updates
 - ▶ Minimum of quarterly
 - ▶ When important milestones are reached
 - ▶ When action is necessary (reminders)
- ▶ Meetings
 - ▶ 5 planned in-person meetings
 - ▶ Kickoff, Discovery Meeting, Flood Risk Review, Open House, Post-Preliminary CCO meeting
 - ▶ Others as needed
- ▶ **DON'T HESITATE TO CALL, WE ARE AVAILABLE**



Online Project Information

▶ Project Website

- ▶ Scoping Maps, Project Timeline, Meeting Presentations, Newsletters, Technical Reports, Web Review Map
- ▶ <https://www.agriculture.ks.gov/divisions-programs/dwr/floodplain/mapping/mapping-projects/lists/mapping-projects/lower-arkansas>

▶ Web Review Map -

- ▶ Initial Map Review
- ▶ Web map link can be provided to stakeholders

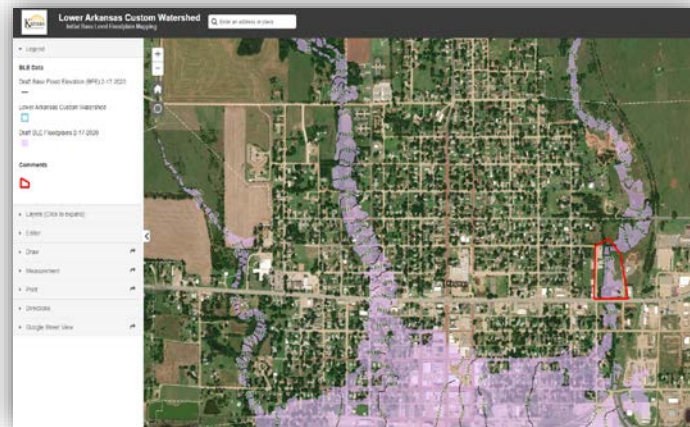
▶ Story Maps

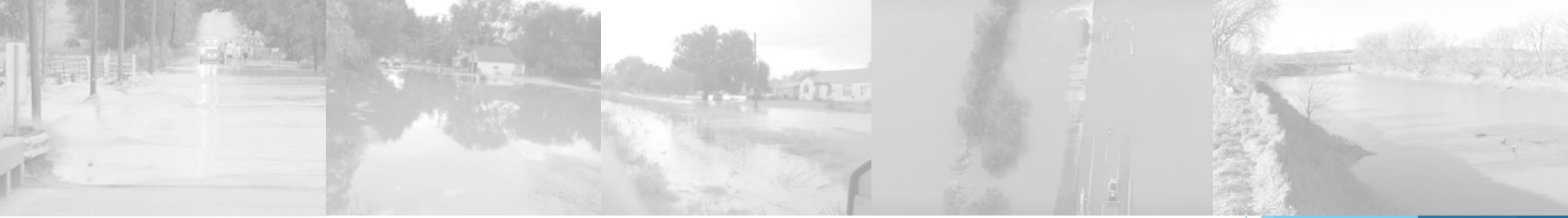
- ▶ Project Info
- ▶ "Floodplain Current": Mapping Process 'Nuts and Bolts'





Web Map Review and Discussion





Questions
Answers

