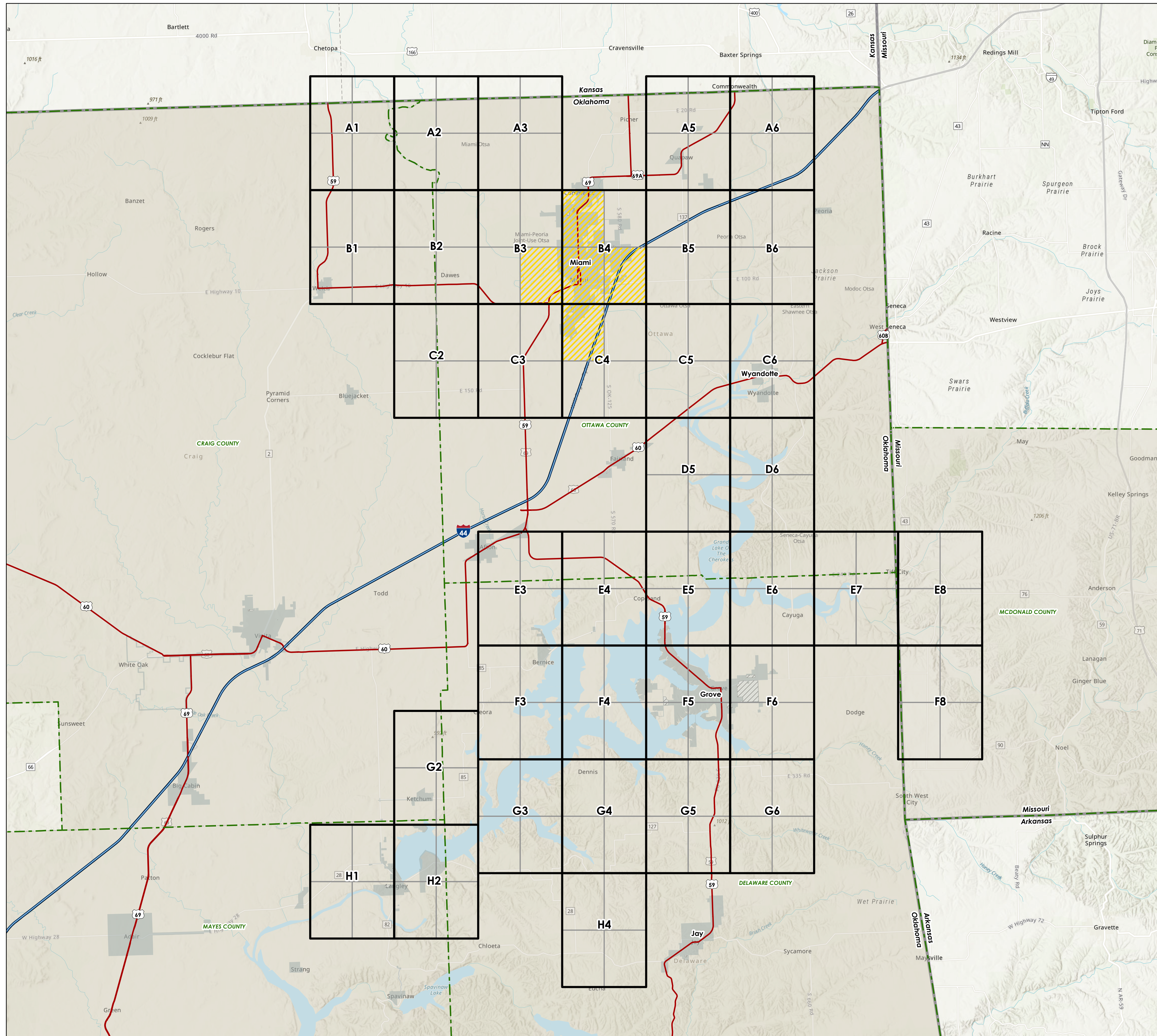


Upstream Model Results and Critical Infrastructure Overview Map

Pensacola Dam
GRAND RIVER DAM AUTHORITY
September 2022



Overview Map Legend

	1:24,000-scale Map Sheet		County Boundary		Road Class
	1:12,000-scale Detail Sheet		Municipality		Interstate
	State Boundary		Unincorporated		US Highway

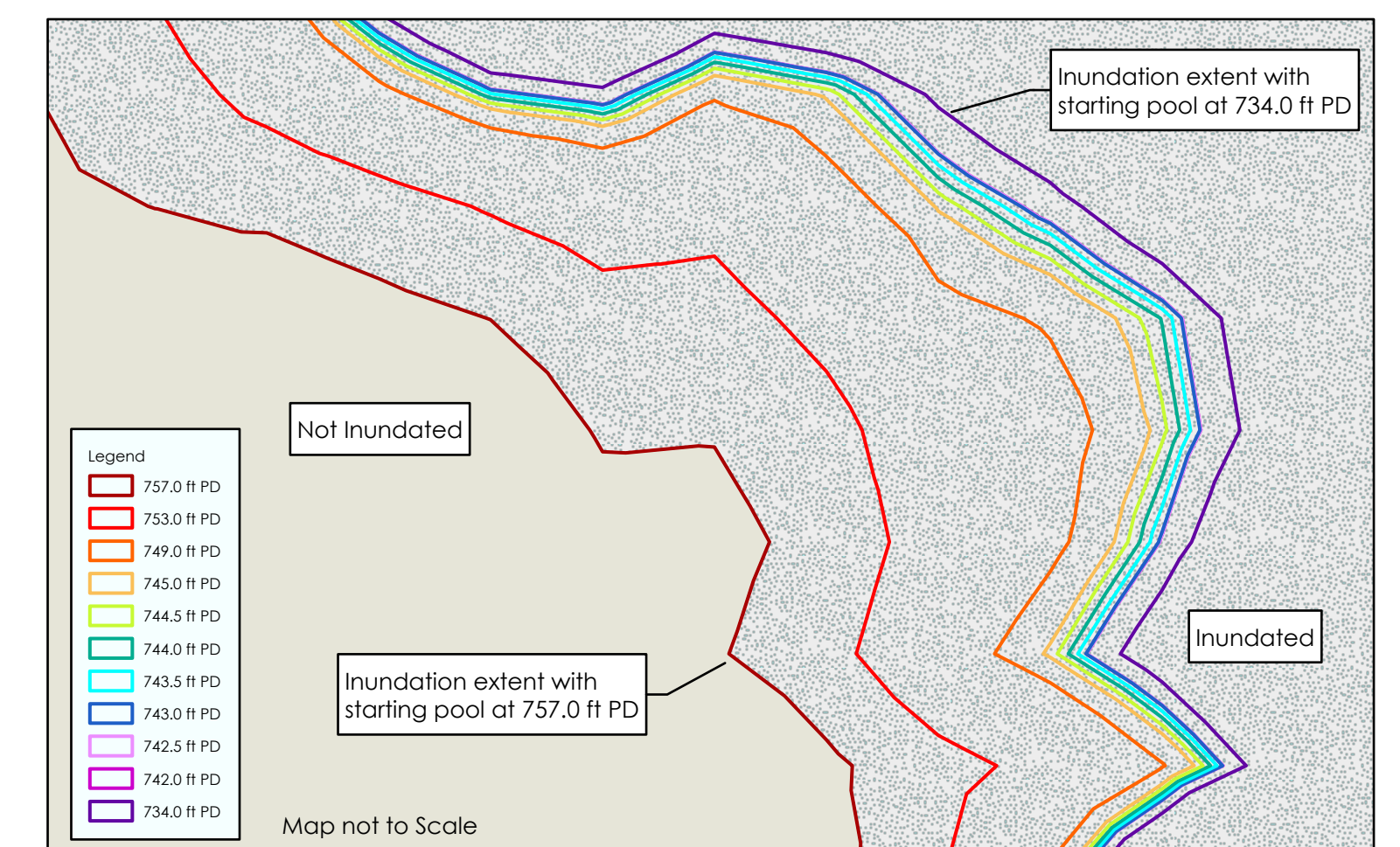
Critical Infrastructure Legend *

	Airport		Hospital		School		Wastewater Treatment
	Bridge, Off-sys		Fire Station		Shelter - Both		Water Treatment
	Bridge, On-sys		Law Enforcement		Shelter - Evac Only		
	Bridge, RR		Church		Power Plant		
	Cell Tower		Park		Substation		

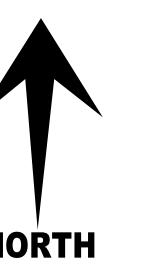
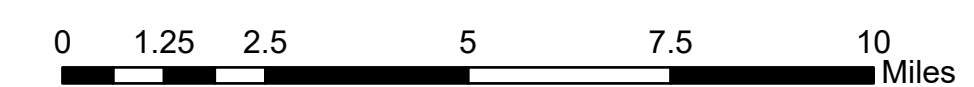
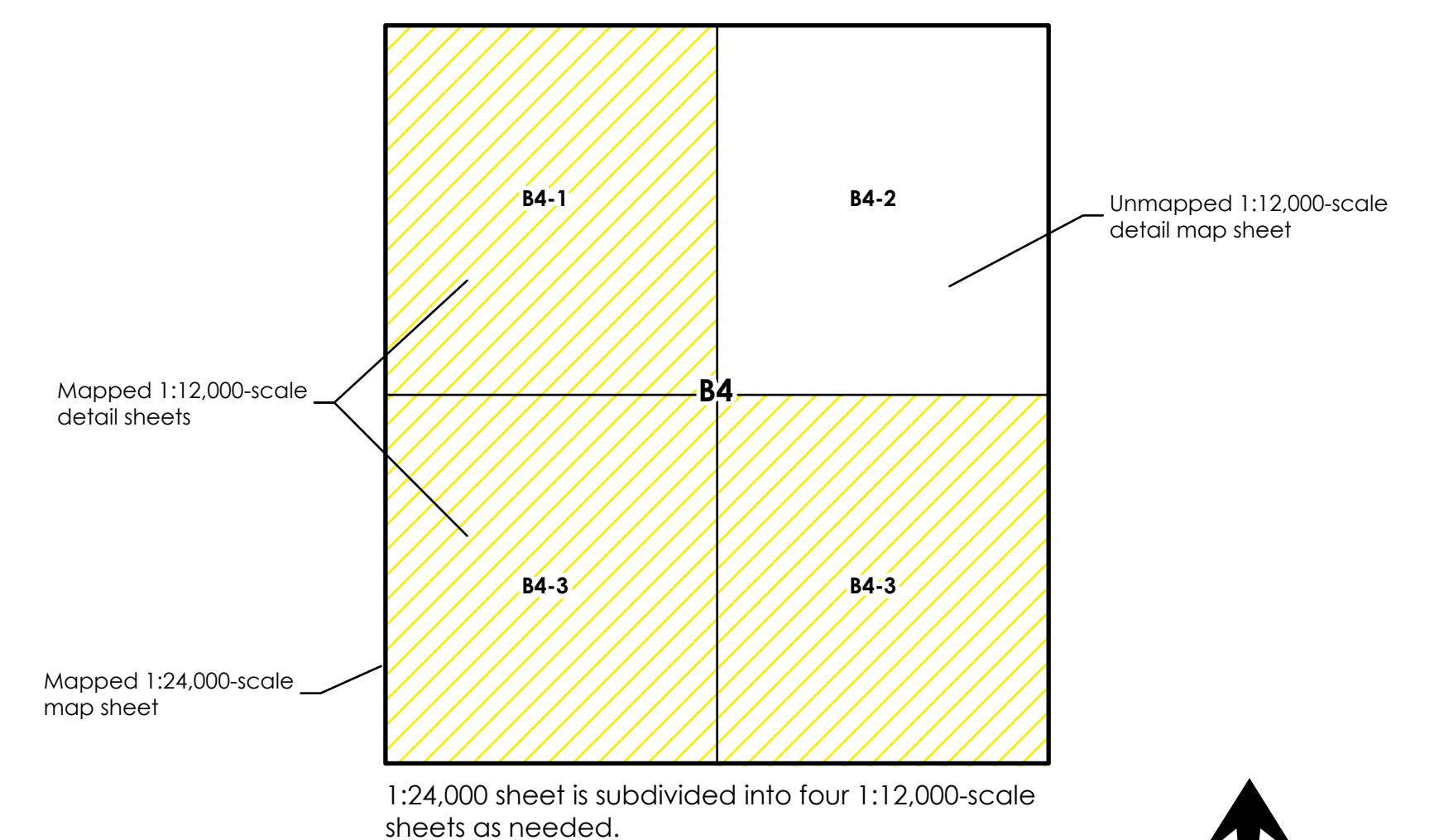
* Due to space constraints on the individual map sheets, the Critical Infrastructure symbols are provided here. Refer to this Overview Map when using the individual map sheets.

Inundation Scenario Mapping

Mapping shows the extent of inundation for the selected hydraulic event under different starting pool elevations: 734.0 ft PD, 742.0 ft PD, 742.5 ft PD, 743.0 ft PD, 743.5 ft PD, 744.0 ft PD, 744.5 ft PD, 745.0 ft PD, 749.0 ft PD, 753.0 ft PD, and 757.0 ft PD.



Map Sheet Organization



Map Notes

Data Sources for Maps:

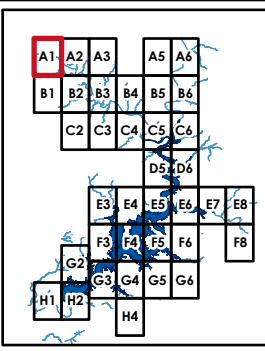
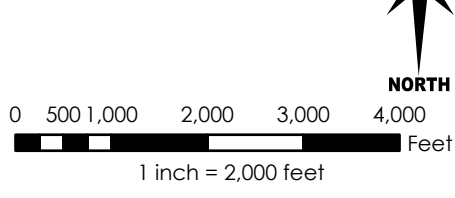
1. Base map images from https://gis.apfo.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019
2. Transportation network (major roads, local roads, and railroads) and county boundaries obtained from the Oklahoma Office of Geographic Information (<http://okmaps.org/cgi/search.aspx>).
3. Parcels owned by GRDA are from GIS parcel data provided by County Assessor's Offices (2020).
4. The displayed Flowage Easement is equal to the 760-foot NGVD29 elevation contour, extracted from 2011 Dewberry LIDAR.



A2

B1 B2

JULY 2007 INUNDATION SCENARIO (4-YEAR EVENT)



JULY 2007 MAX INUNDATION

757.0 ft PD	743.5 ft PD
753.0 ft PD	743.0 ft PD
749.0 ft PD	742.5 ft PD
745.0 ft PD	742.0 ft PD
744.5 ft PD	734.0 ft PD
744.0 ft PD	

Legend

ROAD CLASS

Interstate
State Highway
US Highway
Major Collector
Local Road

Railroad
Stream
Flowage Easements
Project Boundary
GRDA Ownership

MAP AND LEGEND NOTES

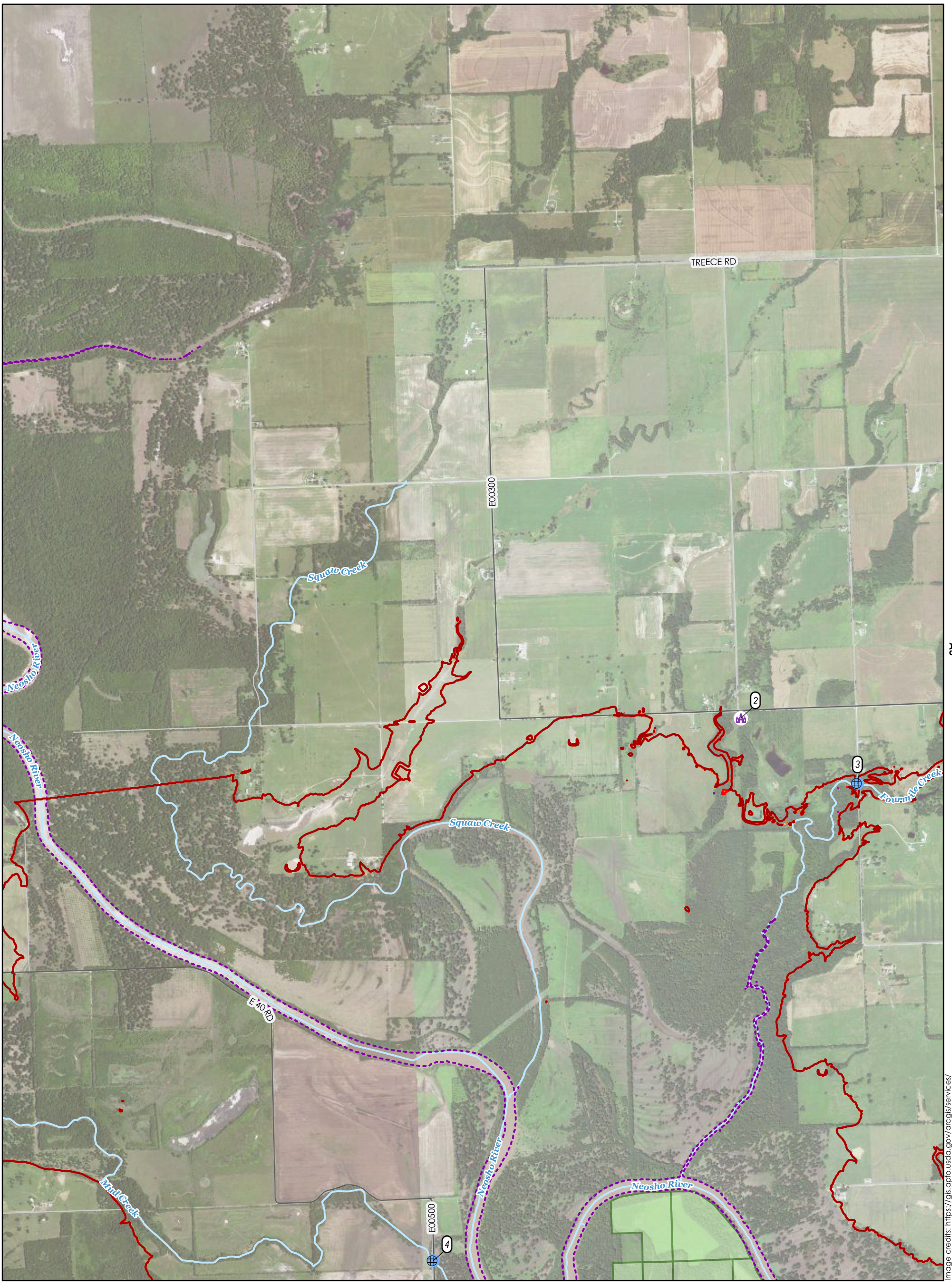
1. For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.
2. See Overview Map for notes on data sources and the Critical Infrastructure symbols.

PENSACOLA DAM GRAND RIVER DAM AUTHORITY

MAP: A1

CRAIG, DELAWARE, MAYES, AND
OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2022

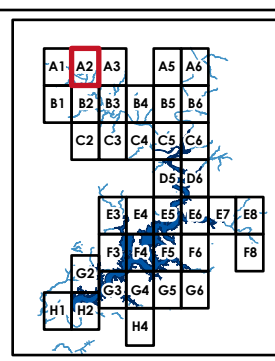


JULY 2007 INUNDATION SCENARIO (4-YEAR EVENT)

NORTH

0 500 1,000 2,000 3,000 4,000 Feet

1 inch = 2,000 feet



JULY 2007 MAX INUNDATION

757.0 ft PD	743.5 ft PD
753.0 ft PD	743.0 ft PD
749.0 ft PD	742.5 ft PD
745.0 ft PD	742.0 ft PD
744.5 ft PD	734.0 ft PD
744.0 ft PD	

Legend

ROAD CLASS

Interstate	US Highway
State Highway	Major Collector
Local Road	

Railroad	Flowage Easements
Stream	Project Boundary
	GRDA Ownership

PENSACOLA DAM
GRAND RIVER DAM AUTHORITY

MAP: A2

CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2022

MAP AND LEGEND NOTES

- For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.
- See Overview Map for notes on data sources and the Critical Infrastructure symbols.

Image credits: https://gis.dplp.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019



JULY 2007 INUNDATION SCENARIO (4-YEAR EVENT)

NORTH
↑

0 500 1,000 2,000 3,000 4,000
Feet

1 inch = 2,000 feet

JULY 2007 MAX INUNDATION

█ 757.0 ft PD	█ 743.5 ft PD
█ 753.0 ft PD	█ 743.0 ft PD
█ 749.0 ft PD	█ 742.5 ft PD
█ 745.0 ft PD	█ 742.0 ft PD
█ 744.5 ft PD	█ 734.0 ft PD
█ 744.0 ft PD	

Legend

ROAD CLASS

— Interstate	+ Railroad
— State Highway	— Stream
— US Highway	- - - Flowage Easements
— Major Collector	■ Project Boundary
— Local Road	█ GRDA Ownership

PENSACOLA DAM

GRAND RIVER DAM AUTHORITY

MAP: A3

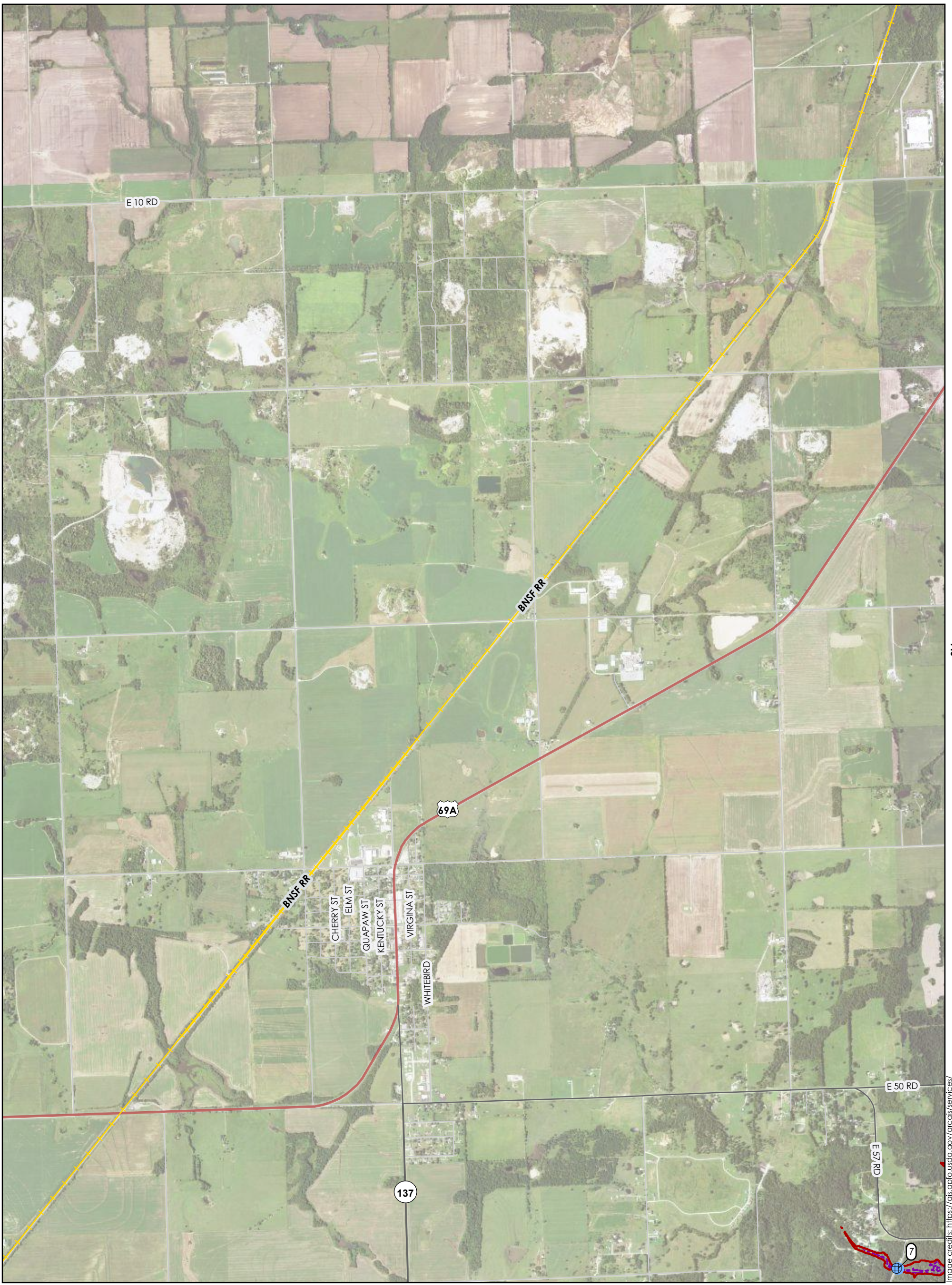
CRAIG, DELAWARE, MAYES, AND
OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2022

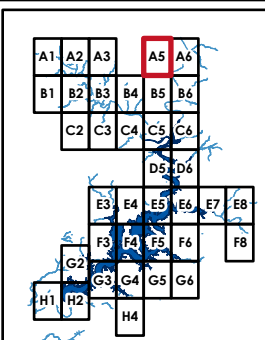
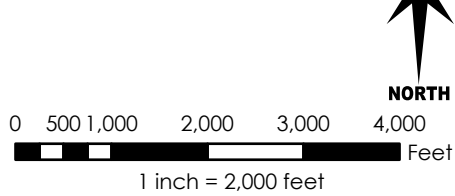
MAP AND LEGEND NOTES

1. For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.
2. See Overview Map for notes on data sources and the Critical Infrastructure symbols.

Image credits: https://gis.dplbo.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019



JULY 2007 INUNDATION SCENARIO (4-YEAR EVENT)



JULY 2007 MAX INUNDATION

757.0 ft PD	743.5 ft PD
753.0 ft PD	743.0 ft PD
749.0 ft PD	742.5 ft PD
745.0 ft PD	742.0 ft PD
744.5 ft PD	734.0 ft PD
744.0 ft PD	

Legend

ROAD CLASS	
Interstate	Railroad
State Highway	Stream
US Highway	Flowage Easements
Major Collector	Project Boundary
Local Road	GRDA Ownership

MAP AND LEGEND NOTES

1. For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.
2. See Overview Map for notes on data sources and the Critical Infrastructure symbols.

PENSACOLA DAM
GRAND RIVER DAM AUTHORITY

MAP: A5

CRAIG, DELAWARE, MAYES, AND
OTTAWA COUNTIES, OKLAHOMA
FERC No. 1494
September 2022

Image credits: https://gis.dplbo.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019

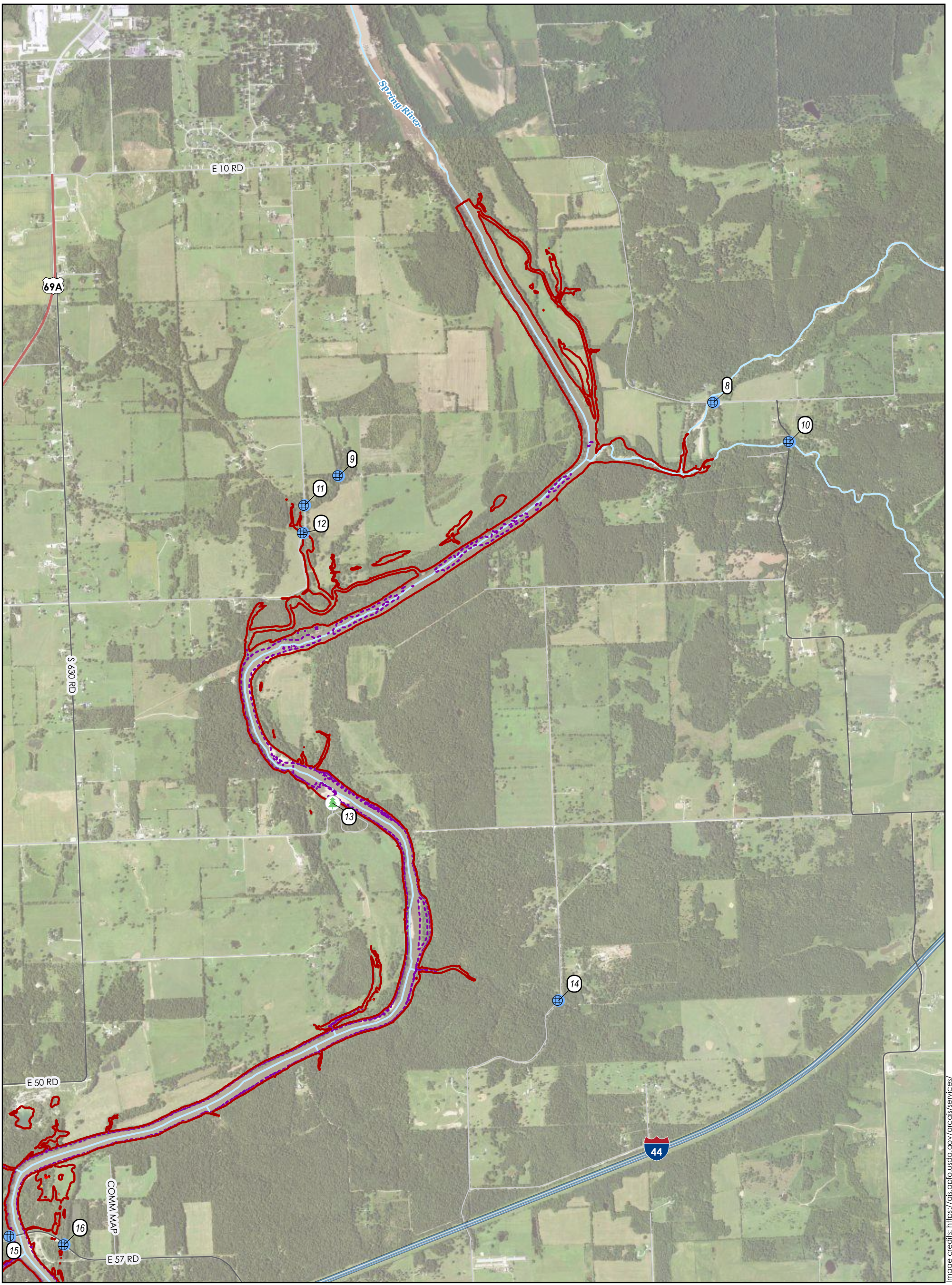
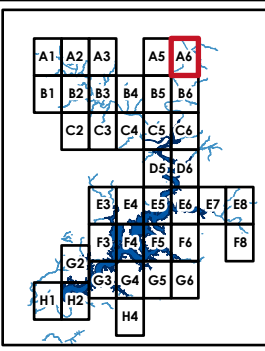
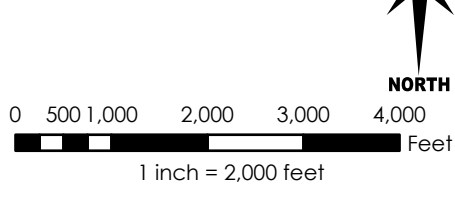


Image credits: https://gis.apfo.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019

JULY 2007 INUNDATION SCENARIO (4-YEAR EVENT)



JULY 2007 MAX INUNDATION

757.0 ft PD	743.5 ft PD
753.0 ft PD	743.0 ft PD
749.0 ft PD	742.5 ft PD
745.0 ft PD	742.0 ft PD
744.5 ft PD	734.0 ft PD
744.0 ft PD	

Legend

ROAD CLASS

Interstate
State Highway
US Highway
Major Collector
Local Road

Railroad
Stream
Flowage Easements
Project Boundary
GRDA Ownership

MAP AND LEGEND NOTES

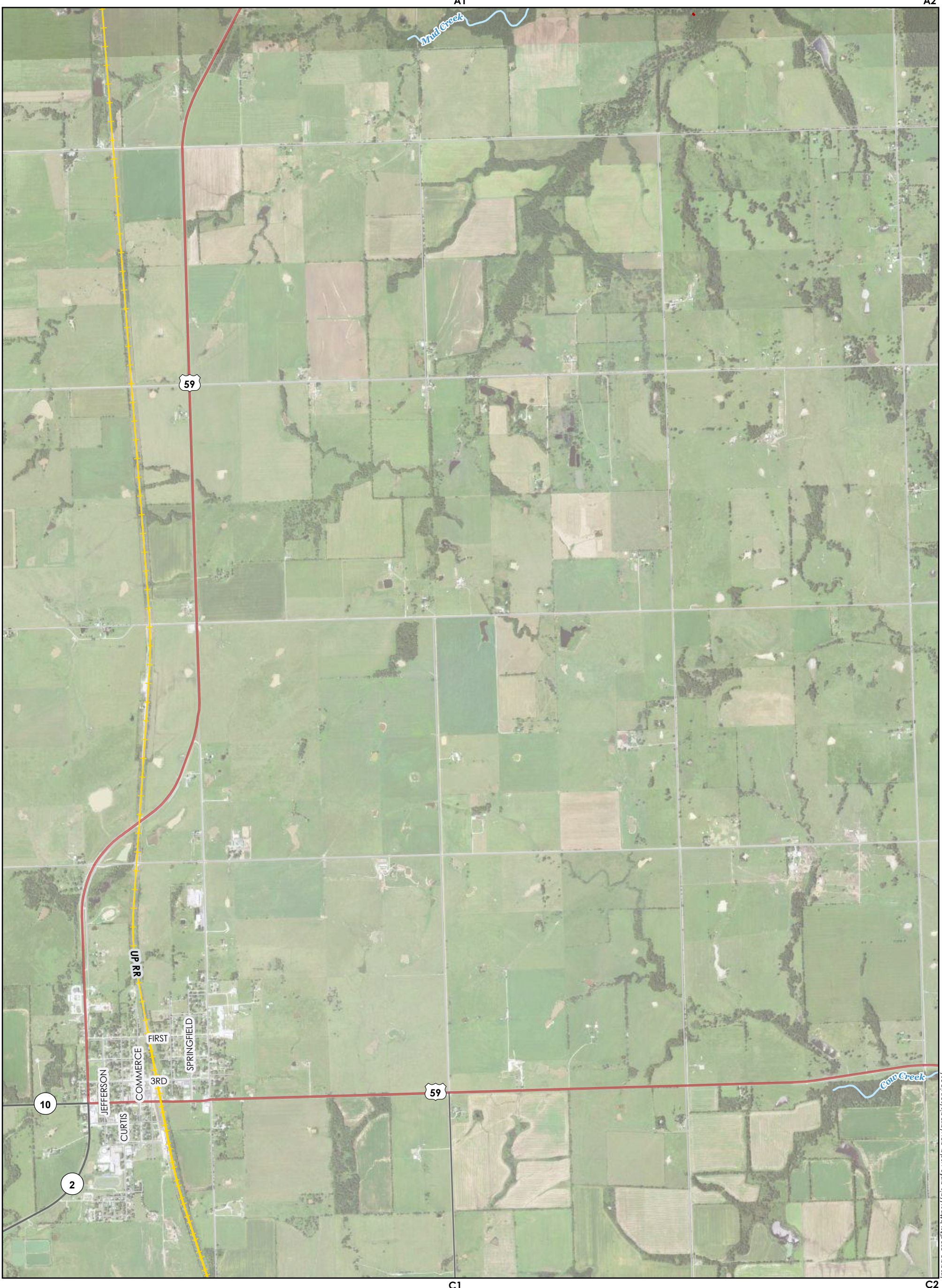
1. For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.
2. See Overview Map for notes on data sources and the Critical Infrastructure symbols.

PENSACOLA DAM GRAND RIVER DAM AUTHORITY

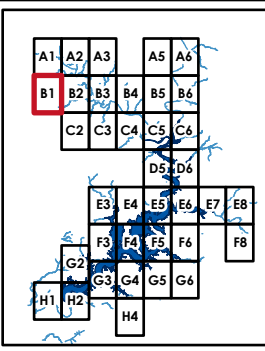
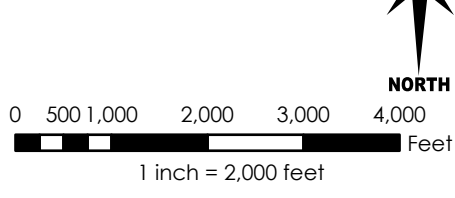
MAP: A6

CRAIG, DELAWARE, MAYES, AND
OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2022



**JULY 2007
INUNDATION SCENARIO
(4-YEAR EVENT)**



JULY 2007 MAX INUNDATION

757.0 ft PD	743.5 ft PD
753.0 ft PD	743.0 ft PD
749.0 ft PD	742.5 ft PD
745.0 ft PD	742.0 ft PD
744.5 ft PD	734.0 ft PD
744.0 ft PD	

Legend

ROAD CLASS

Interstate
State Highway
US Highway
Major Collector
Local Road

Railroad
Stream
Flowage Easements
Project Boundary
GRDA Ownership

MAP AND LEGEND NOTES

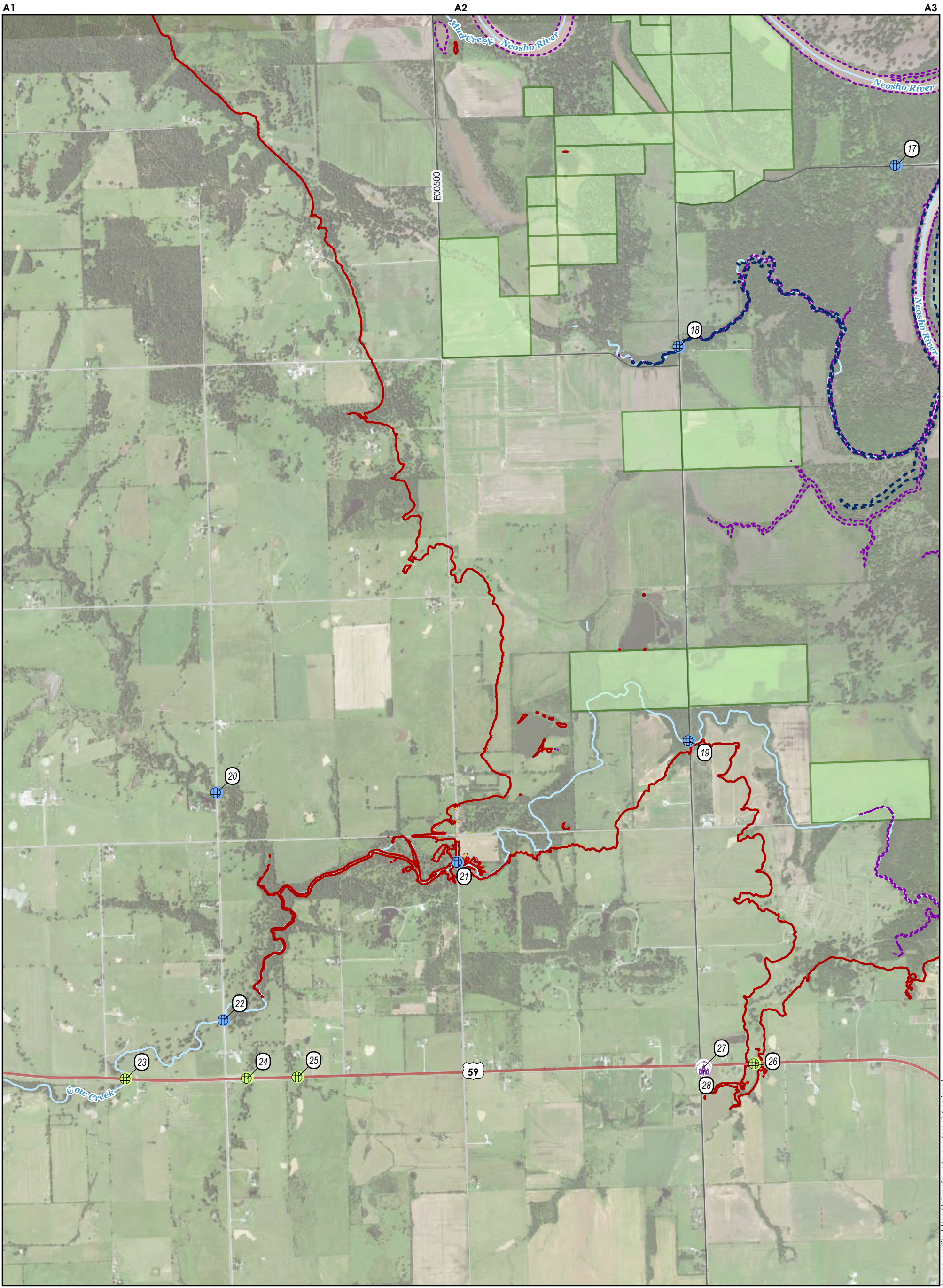
1. For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.
2. See Overview Map for notes on data sources and the Critical Infrastructure symbols.

PENSACOLA DAM
GRAND RIVER DAM AUTHORITY

MAP: B1

CRAIG, DELAWARE, MAYES, AND
OTTAWA COUNTIES, OKLAHOMA
FERC No. 1494
September 2022

A1 A2 B2 C1 C2
Image credits: https://gis.dplbo.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019



JULY 2007 INUNDATION SCENARIO (4-YEAR EVENT)

NORTH

0 500 1,000 2,000 3,000 4,000 Feet

1 inch = 2,000 feet

JULY 2007 MAX INUNDATION

█ 757.0 ft PD	█ 743.5 ft PD
█ 753.0 ft PD	█ 743.0 ft PD
█ 749.0 ft PD	█ 742.5 ft PD
█ 745.0 ft PD	█ 742.0 ft PD
█ 744.5 ft PD	█ 734.0 ft PD
█ 744.0 ft PD	

Legend

ROAD CLASS

	Interstate
	State Highway
	US Highway
	Major Collector
	Local Road

Other Symbols

	Railroad
	Stream
	Flowage Easements
	Project Boundary
	GRDA Ownership

PENSACOLA DAM

GRAND RIVER DAM AUTHORITY

MAP: B2

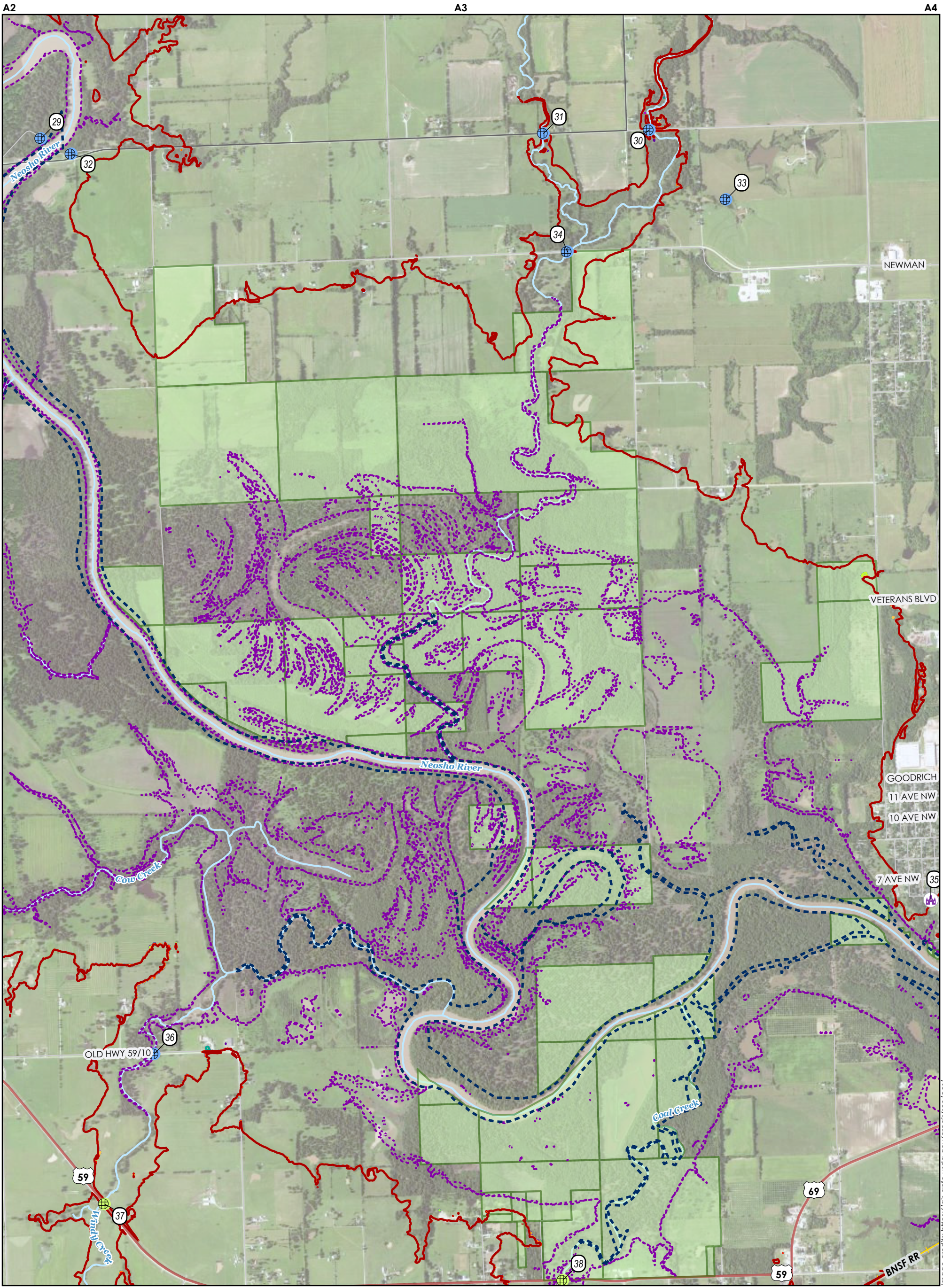
CRAIG, DELAWARE, MAYES, AND
OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2022

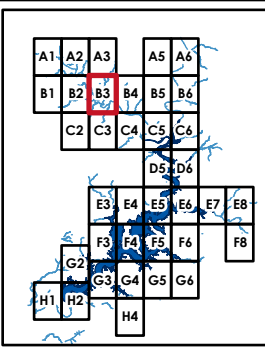
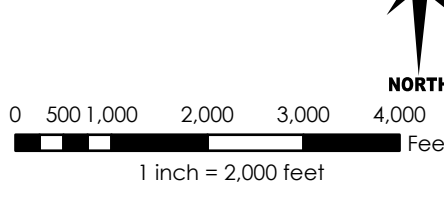
MAP AND LEGEND NOTES

- For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.
- See Overview Map for notes on data sources and the Critical Infrastructure symbols.

Image credits: https://gis.apfo.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019



JULY 2007 INUNDATION SCENARIO (4-YEAR EVENT)



JULY 2007 MAX INUNDATION

757.0 ft PD	743.5 ft PD
753.0 ft PD	743.0 ft PD
749.0 ft PD	742.5 ft PD
745.0 ft PD	742.0 ft PD
744.5 ft PD	734.0 ft PD
744.0 ft PD	

Legend

ROAD CLASS

Interstate
State Highway
US Highway
Major Collector
Local Road

Railroad
Stream
Flowage Easements
Project Boundary
GRDA Ownership

MAP AND LEGEND NOTES

- For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.
- See Overview Map for notes on data sources and the Critical Infrastructure symbols.

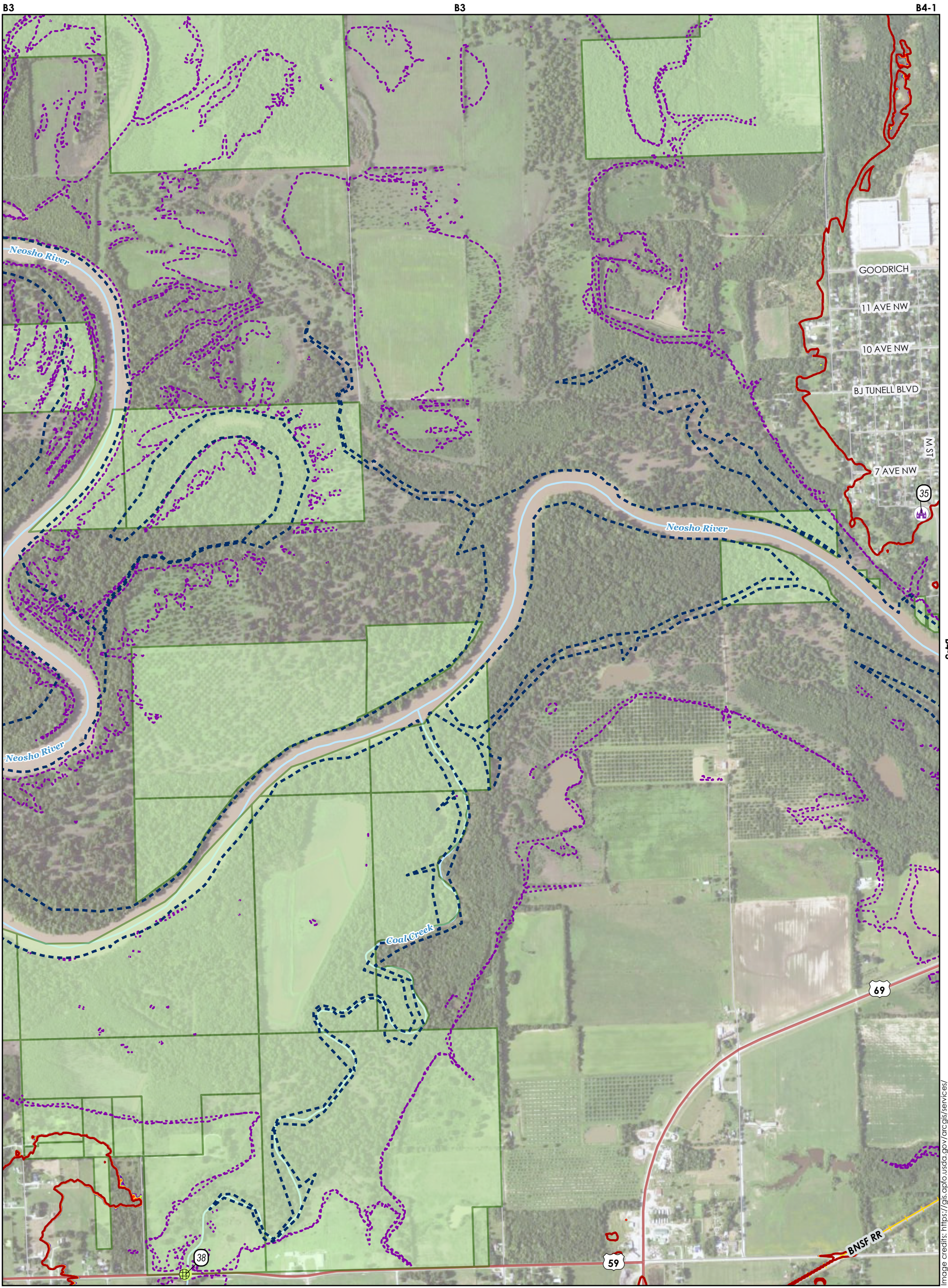
PENSACOLA DAM
 GRAND RIVER DAM AUTHORITY

MAP: B3

CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
 September 2022

Image credits: https://gis.apfo.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019

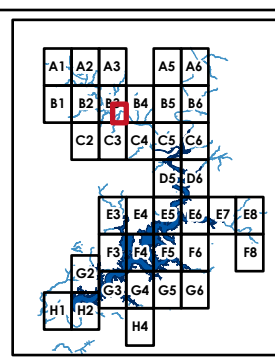


**JULY 2007
INUNDATION SCENARIO
(4-YEAR EVENT)**

NORTH

0 250 500 1,000 1,500 2,000
Feet

1 inch = 1,000 feet



JULY 2007 MAX INUNDATION

757.0 ft PD	743.5 ft PD
753.0 ft PD	743.0 ft PD
749.0 ft PD	742.5 ft PD
745.0 ft PD	742.0 ft PD
744.5 ft PD	734.0 ft PD
744.0 ft PD	

Legend

ROAD CLASS

Interstate	Railroad
State Highway	Stream
US Highway	Flowage Easements
Major Collector	Project Boundary
Local Road	GRDA Ownership

MAP AND LEGEND NOTES

1. For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.
2. See Overview Map for notes on data sources and the Critical Infrastructure symbols.

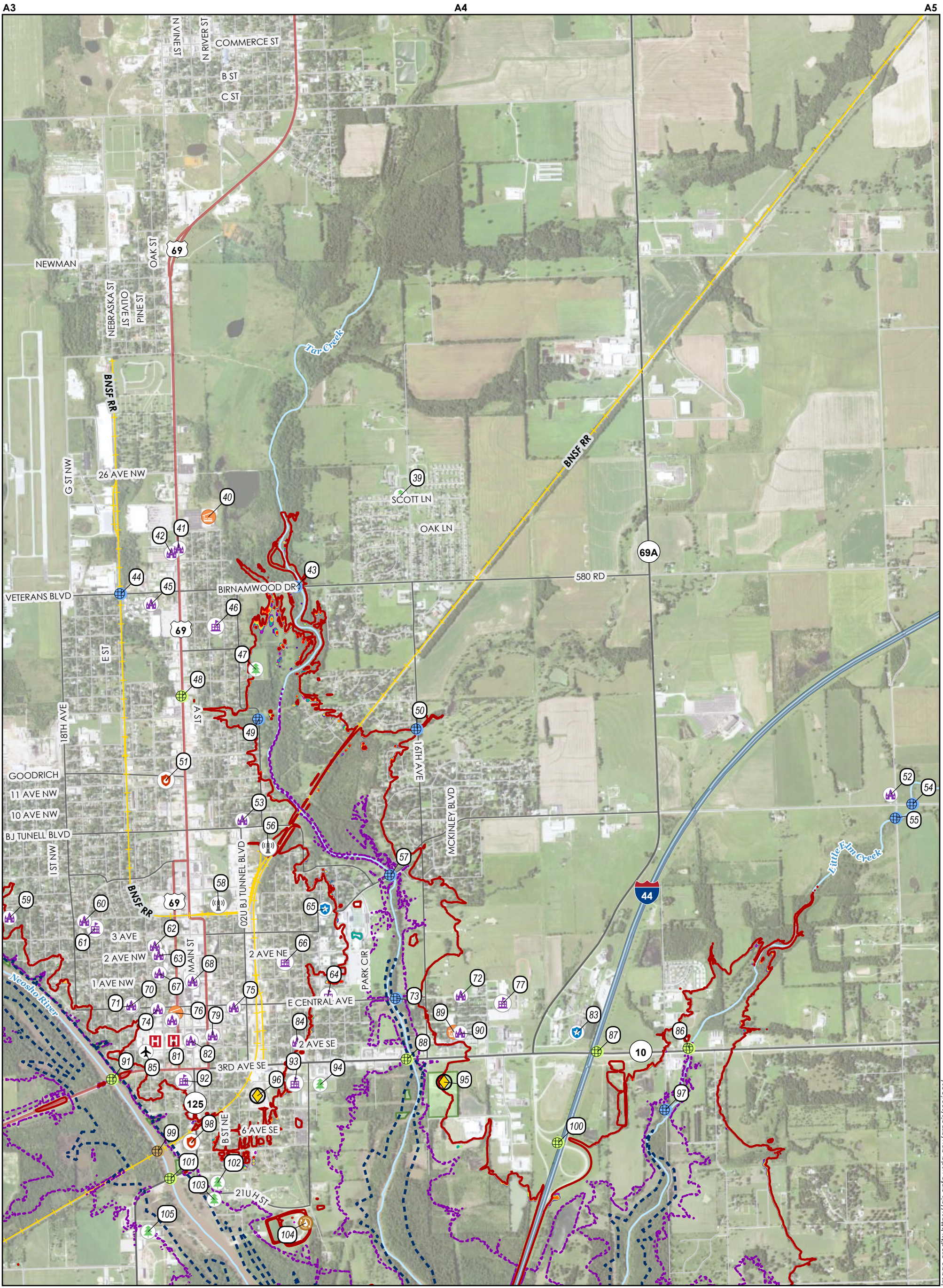
PENSACOLA DAM
GRAND RIVER DAM AUTHORITY

MAP: B3-4

CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2022

Image credits: https://gis.dplfo.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019

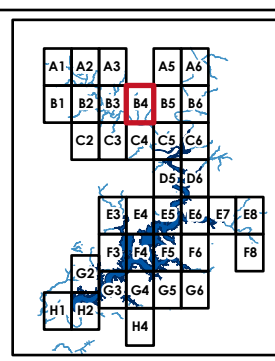


**JULY 2007
INUNDATION SCENARIO
(4-YEAR EVENT)**

NORTH

0 500 1,000 2,000 3,000 4,000 Feet

1 inch = 2,000 feet



JULY 2007 MAX INUNDATION		ROAD CLASS		Legend	
757.0 ft PD	743.5 ft PD	Interstate	Railroad	Stream	Flowage Easements
753.0 ft PD	743.0 ft PD	State Highway	Stream	Project Boundary	GRDA Ownership
749.0 ft PD	742.5 ft PD	US Highway	Flowage Easements	Project Boundary	GRDA Ownership
745.0 ft PD	742.0 ft PD	Major Collector	Project Boundary	Project Boundary	GRDA Ownership
744.5 ft PD	734.0 ft PD	Local Road	Project Boundary	Project Boundary	GRDA Ownership
744.0 ft PD					

MAP AND LEGEND NOTES

- For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.
- See Overview Map for notes on data sources and the Critical Infrastructure symbols.

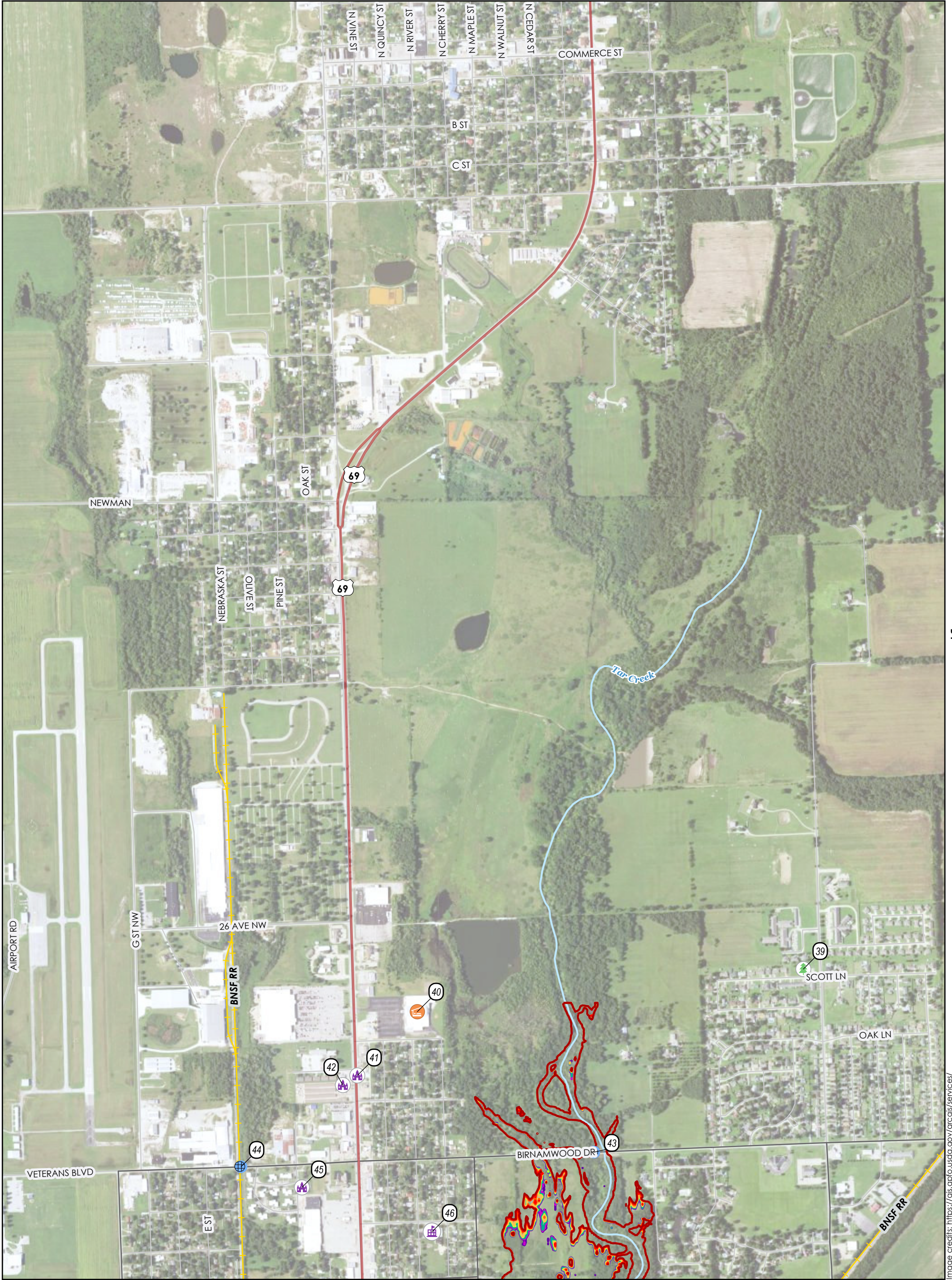
PENSACOLA DAM
GRAND RIVER DAM AUTHORITY

MAP: B4

CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2022

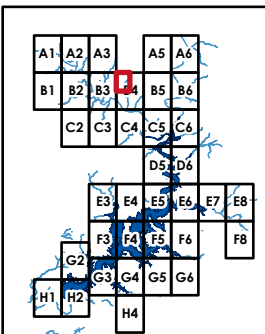
Image credits: https://gis.apfo.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019



**JULY 2007
INUNDATION SCENARIO
(4-YEAR EVENT)**



0 250 500 1,000 1,500 2,000 Feet
1 inch = 1,000 feet



JULY 2007 MAX INUNDATION

757.0 ft PD	743.5 ft PD
753.0 ft PD	743.0 ft PD
749.0 ft PD	742.5 ft PD
745.0 ft PD	742.0 ft PD
744.5 ft PD	734.0 ft PD
744.0 ft PD	

Legend

ROAD CLASS

Interstate
State Highway
US Highway
Major Collector
Local Road

Railroad
Stream
Flowage Easements
Project Boundary
GRDA Ownership

MAP AND LEGEND NOTES

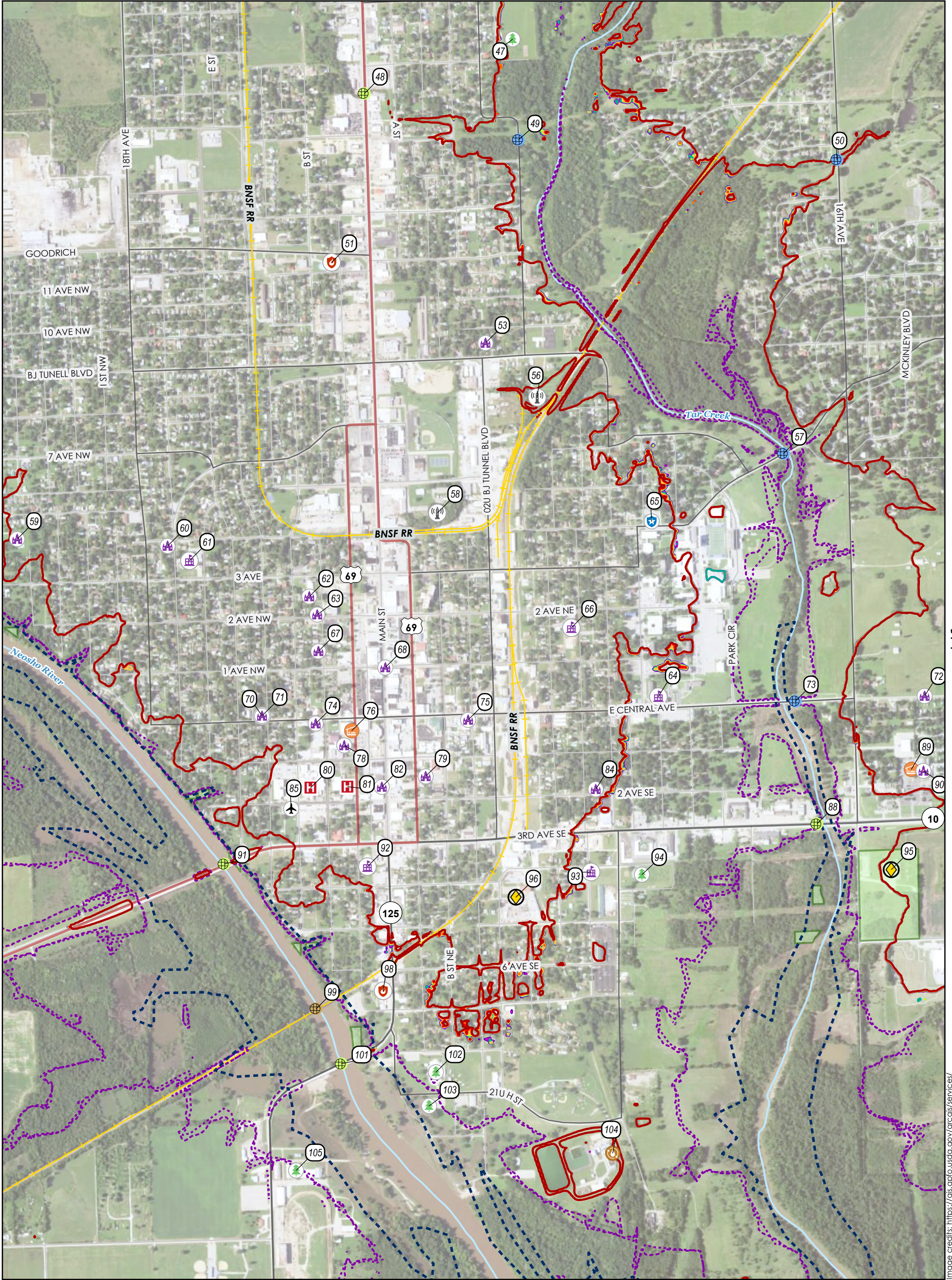
1. For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.
2. See Overview Map for notes on data sources and the Critical Infrastructure symbols.

PENSACOLA DAM
GRAND RIVER DAM AUTHORITY

MAP: B4-1

CRAIG, DELAWARE, MAYES, AND
OTTAWA COUNTIES, OKLAHOMA

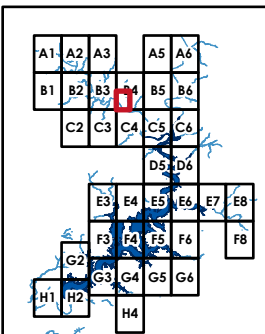
FERC No. 1494
September 2022



**JULY 2007
INUNDATION SCENARIO
(4-YEAR EVENT)**



0 250 500 1,000 1,500 2,000 Feet
1 inch = 1,000 feet



JULY 2007 MAX INUNDATION

757.0 ft PD	743.5 ft PD
753.0 ft PD	743.0 ft PD
749.0 ft PD	742.5 ft PD
745.0 ft PD	742.0 ft PD
744.5 ft PD	734.0 ft PD
744.0 ft PD	

Legend

ROAD CLASS

Interstate	Local Road
State Highway	
US Highway	
Major Collector	

Railroad	Stream
Flowage Easements	Project Boundary
GRDA Ownership	

MAP AND LEGEND NOTES

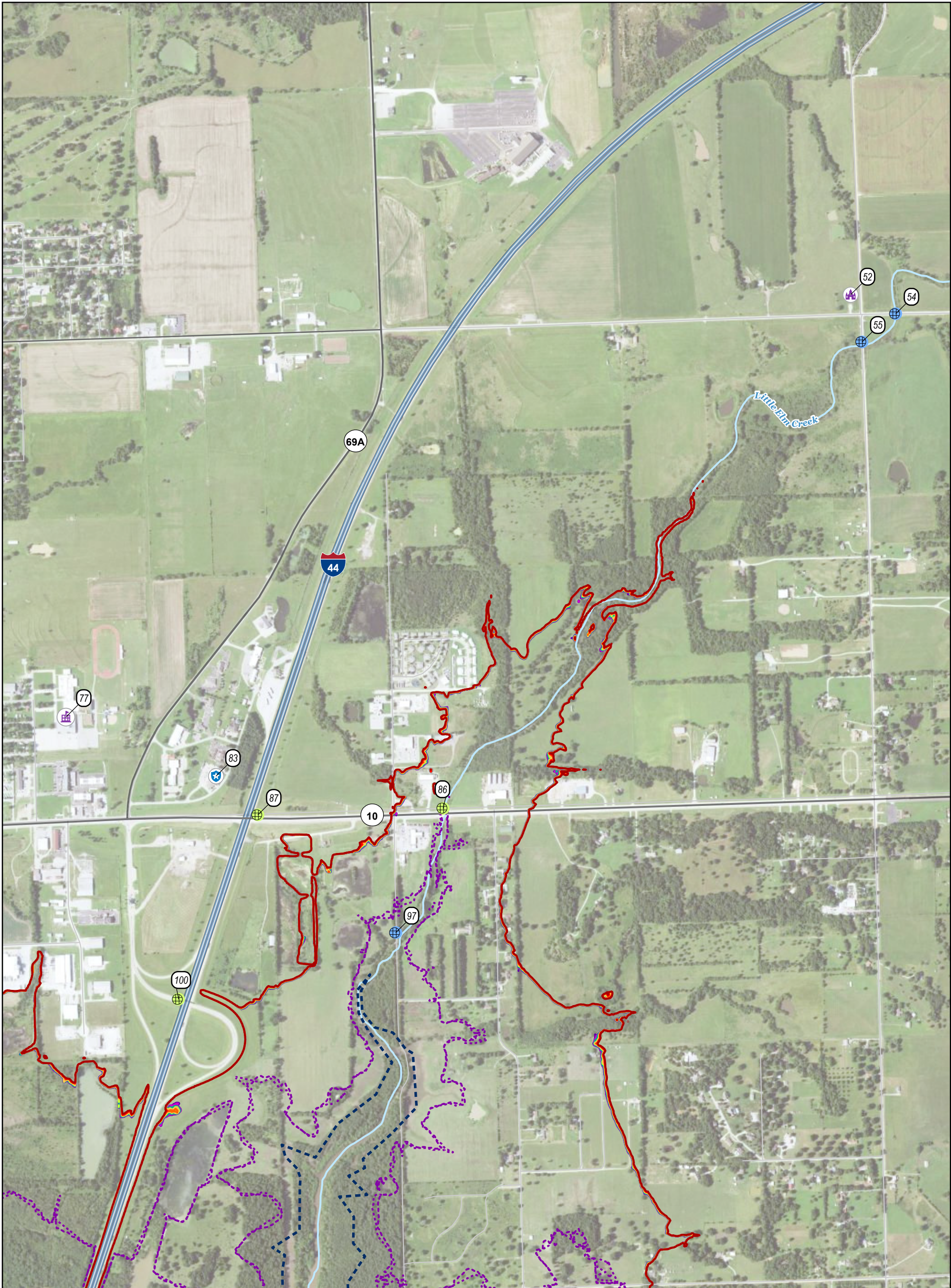
1. For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.
2. See Overview Map for notes on data sources and the Critical Infrastructure symbols.

PENSACOLA DAM
GRAND RIVER DAM AUTHORITY

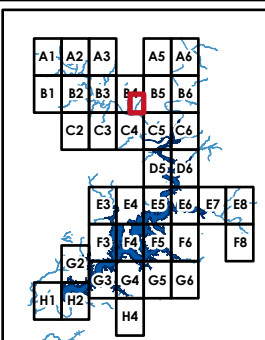
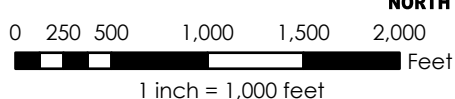
MAP: B4-3

CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2022



**JULY 2007
INUNDATION SCENARIO
(4-YEAR EVENT)**



JULY 2007 MAX INUNDATION

757.0 ft PD	743.5 ft PD
753.0 ft PD	743.0 ft PD
749.0 ft PD	742.5 ft PD
745.0 ft PD	742.0 ft PD
744.5 ft PD	734.0 ft PD
744.0 ft PD	

Legend

ROAD CLASS

Interstate	Major Collector
State Highway	Local Road
US Highway	

Railroad	Flowage Easements
Stream	Project Boundary
	GRDA Ownership

MAP AND LEGEND NOTES

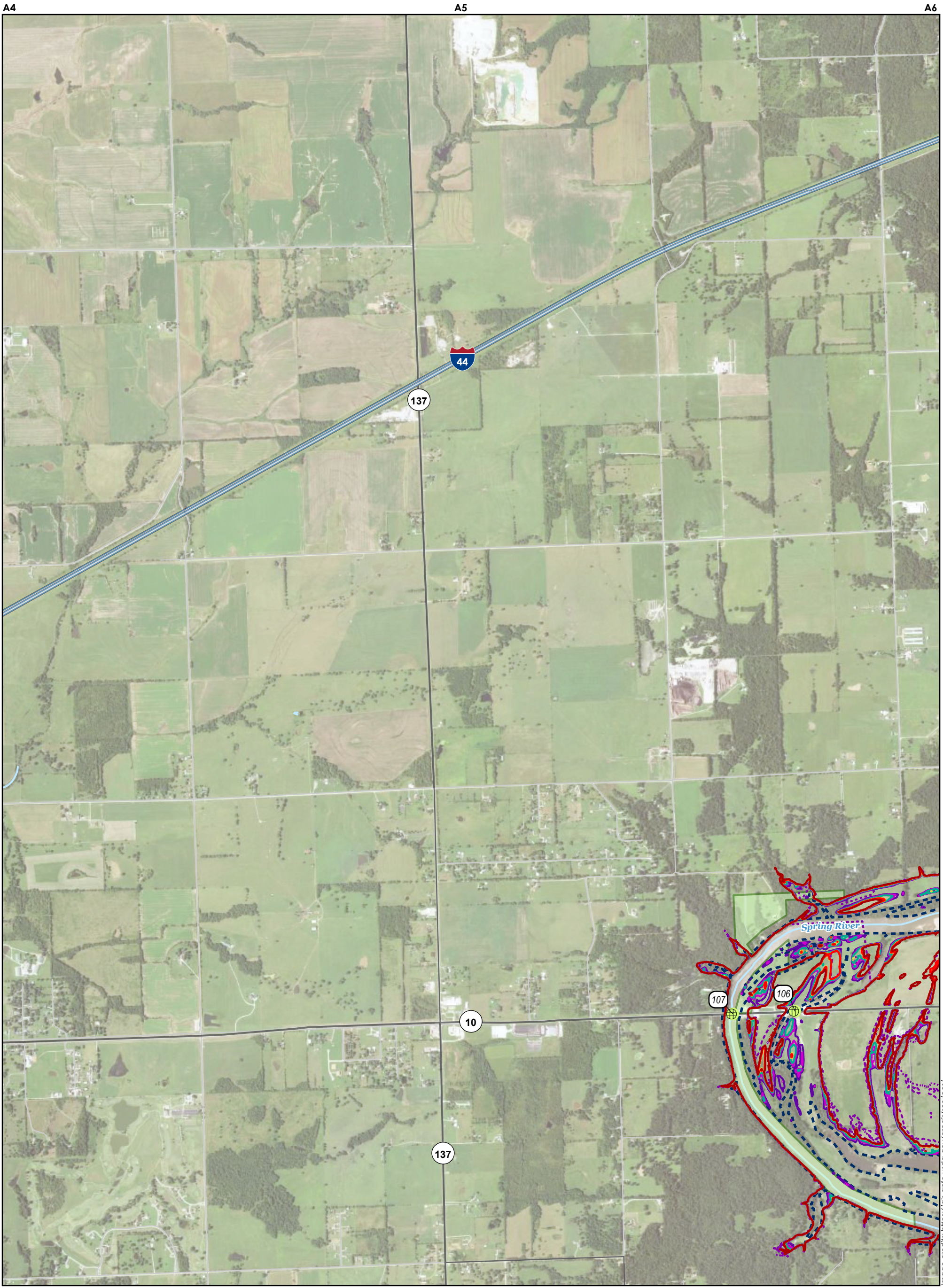
1. For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.
2. See Overview Map for notes on data sources and the Critical Infrastructure symbols.

**PENSACOLA DAM
GRAND RIVER DAM AUTHORITY**

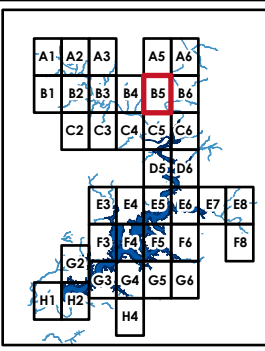
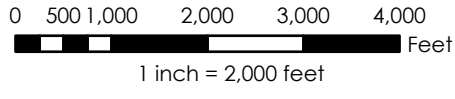
MAP: B4-4

CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2022



**JULY 2007
INUNDATION SCENARIO
(4-YEAR EVENT)**



JULY 2007 MAX INUNDATION

757.0 ft PD	743.5 ft PD
753.0 ft PD	743.0 ft PD
749.0 ft PD	742.5 ft PD
745.0 ft PD	742.0 ft PD
744.5 ft PD	734.0 ft PD
744.0 ft PD	

Legend

ROAD CLASS

Interstate
State Highway
US Highway
Major Collector
Local Road

Railroad
Stream
Flowage Easements
Project Boundary
GRDA Ownership

MAP AND LEGEND NOTES

- For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.
- See Overview Map for notes on data sources and the Critical Infrastructure symbols.

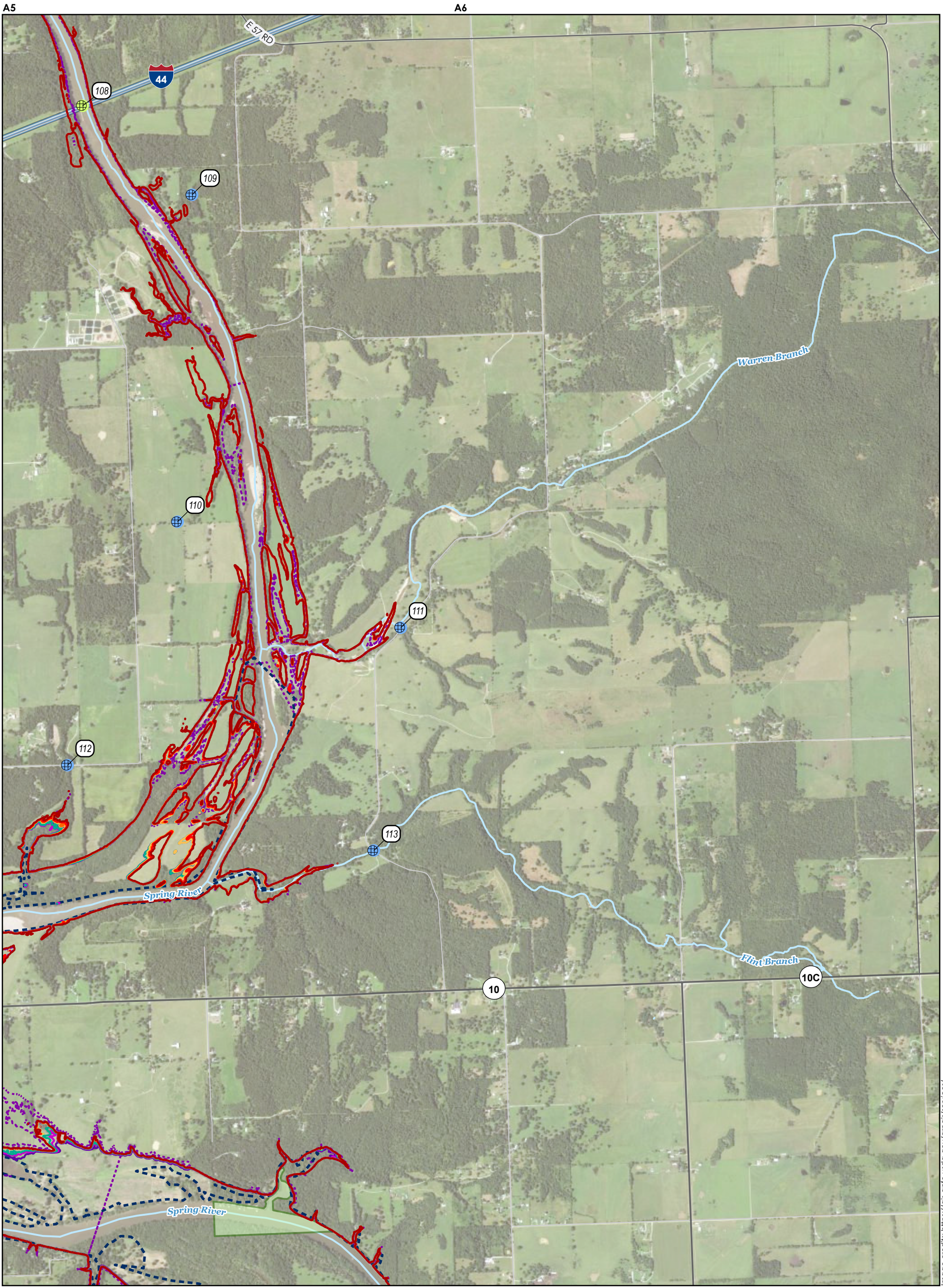
**PENSACOLA DAM
GRAND RIVER DAM AUTHORITY**

MAP: B5

CRAIG, DELAWARE, MAYES, AND
OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2022

Image credits: https://gis.apfo.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019

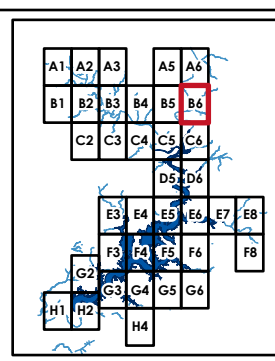


**JULY 2007
INUNDATION SCENARIO
(4-YEAR EVENT)**

NORTH

0 500 1,000 2,000 3,000 4,000 Feet

1 inch = 2,000 feet



JULY 2007 MAX INUNDATION		ROAD CLASS		Legend	
█ 757.0 ft PD	█ 743.5 ft PD	█ Interstate	+ Railroad	█ Stream	- Flowage Easements
█ 753.0 ft PD	█ 743.0 ft PD	█ State Highway	- Stream	- Project Boundary	█ GRDA Ownership
█ 749.0 ft PD	█ 742.5 ft PD	█ US Highway	- Flowage Easements	- Project Boundary	
█ 745.0 ft PD	█ 742.0 ft PD	█ Major Collector	- Project Boundary	█ GRDA Ownership	
█ 744.5 ft PD	█ 734.0 ft PD	█ Local Road			
█ 744.0 ft PD					

MAP AND LEGEND NOTES

- For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.
- See Overview Map for notes on data sources and the Critical Infrastructure symbols.

PENSACOLA DAM
GRAND RIVER DAM AUTHORITY

MAP: B6

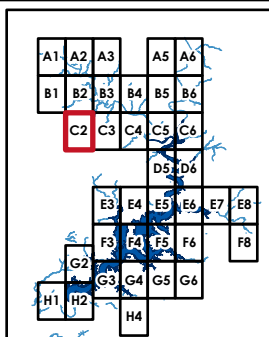
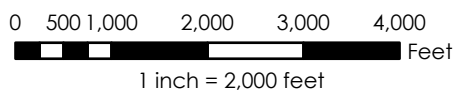
CRAIG, DELAWARE, MAYES, AND
OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2022

Image credits: https://gis.apfo.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019



**JULY 2007
INUNDATION SCENARIO
(4-YEAR EVENT)**



JULY 2007 MAX INUNDATION

757.0 ft PD	743.5 ft PD
753.0 ft PD	743.0 ft PD
749.0 ft PD	742.5 ft PD
745.0 ft PD	742.0 ft PD
744.5 ft PD	734.0 ft PD
744.0 ft PD	

Legend

ROAD CLASS

Interstate
State Highway
US Highway
Major Collector
Local Road

Railroad
Stream
Flowage Easements
Project Boundary
GRDA Ownership

MAP AND LEGEND NOTES

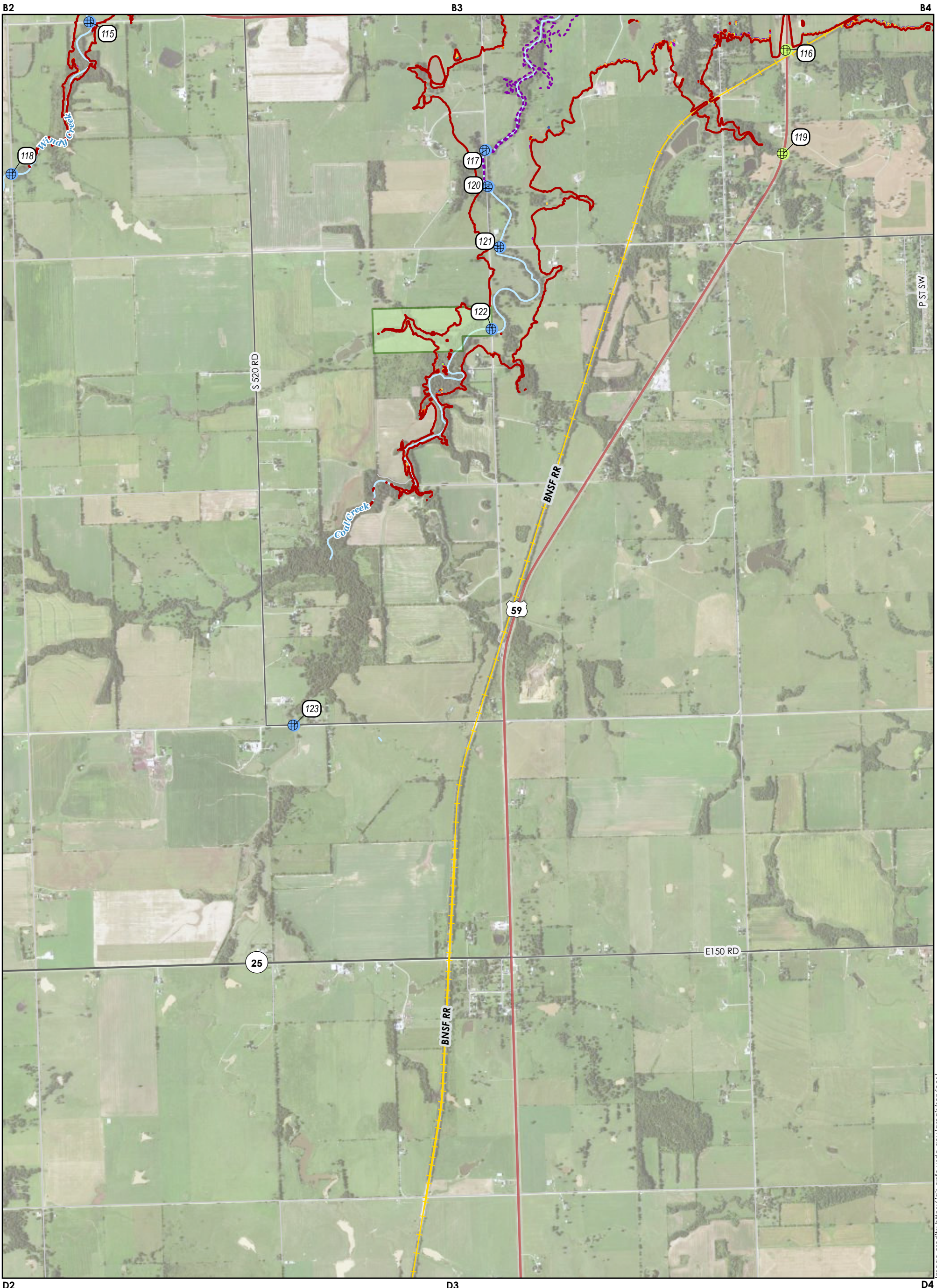
1. For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.
2. See Overview Map for notes on data sources and the Critical Infrastructure symbols.

PENSACOLA DAM
GRAND RIVER DAM AUTHORITY

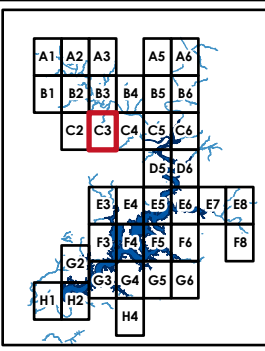
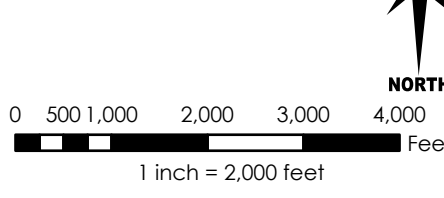
MAP: C2

CRAIG, DELAWARE, MAYES, AND
OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2022



**JULY 2007
INUNDATION SCENARIO
(4-YEAR EVENT)**



JULY 2007 MAX INUNDATION

757.0 ft PD	743.5 ft PD
753.0 ft PD	743.0 ft PD
749.0 ft PD	742.5 ft PD
745.0 ft PD	742.0 ft PD
744.5 ft PD	734.0 ft PD
744.0 ft PD	

Legend

ROAD CLASS

Interstate	Railroad
State Highway	Stream
US Highway	Flowage Easements
Major Collector	Project Boundary
Local Road	GRDA Ownership

Railroad
Stream
Flowage Easements
Project Boundary
GRDA Ownership

MAP AND LEGEND NOTES

1. For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.
2. See Overview Map for notes on data sources and the Critical Infrastructure symbols.

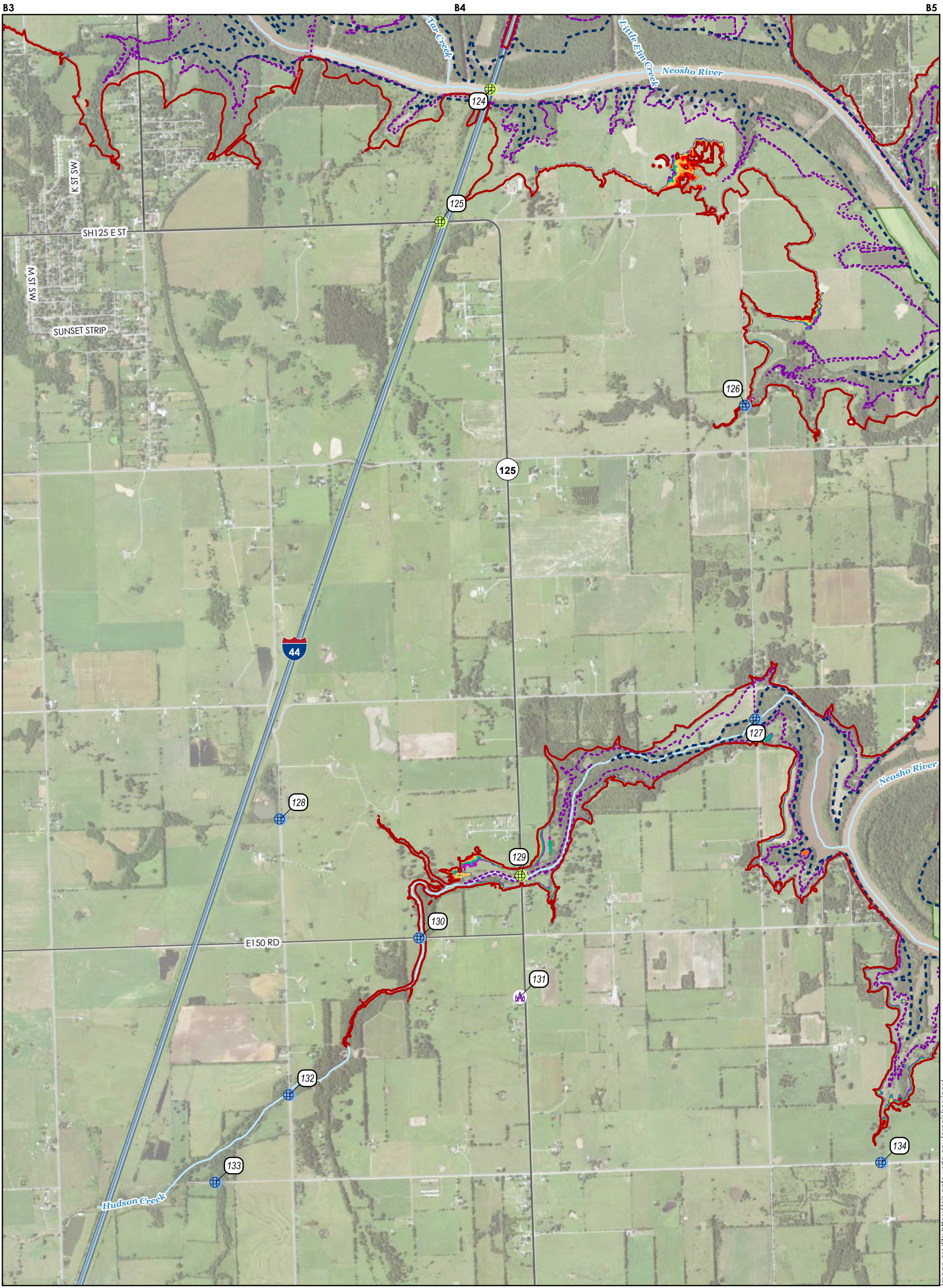
PENSACOLA DAM
GRAND RIVER DAM AUTHORITY

MAP: C3

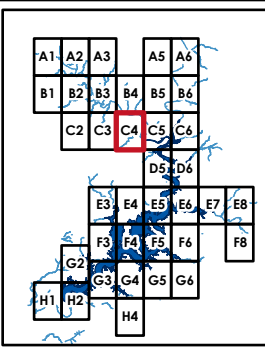
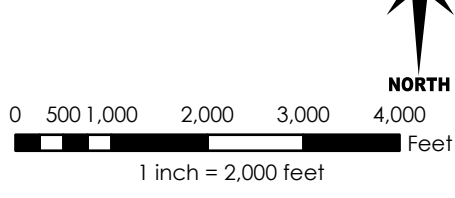
CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2022

Image credits: https://gis.dplfo.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019



**JULY 2007
INUNDATION SCENARIO
(4-YEAR EVENT)**



JULY 2007 MAX INUNDATION

757.0 ft PD	743.5 ft PD
753.0 ft PD	743.0 ft PD
749.0 ft PD	742.5 ft PD
745.0 ft PD	742.0 ft PD
744.5 ft PD	734.0 ft PD
744.0 ft PD	

Legend

ROAD CLASS

Interstate	US Highway
State Highway	Major Collector
Local Road	

Railroad	Flowage Easements
Stream	Project Boundary
	GRDA Ownership

MAP AND LEGEND NOTES

1. For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.
2. See Overview Map for notes on data sources and the Critical Infrastructure symbols.

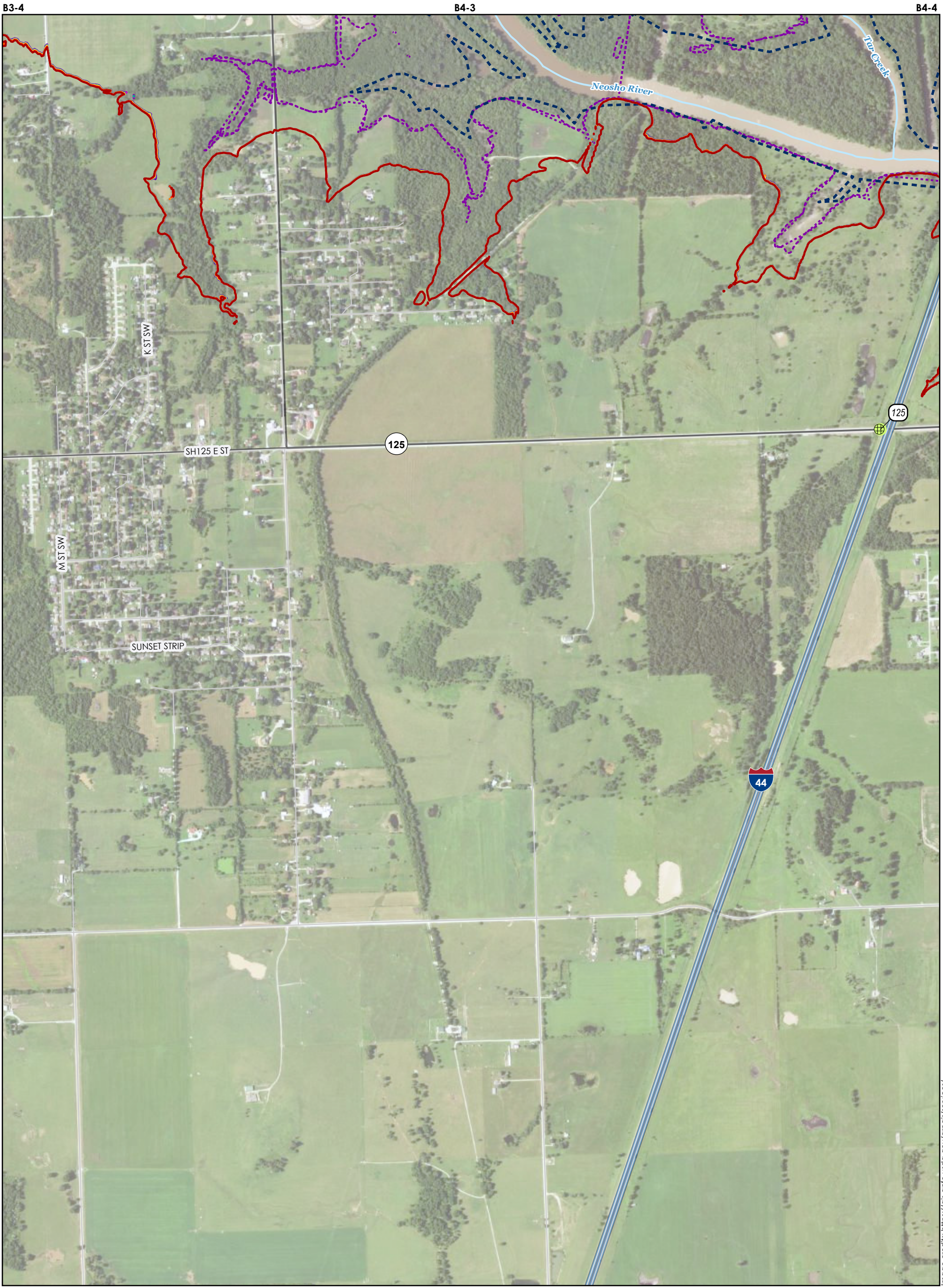
PENSACOLA DAM
GRAND RIVER DAM AUTHORITY

MAP: C4

CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2022

Image credits: https://gis.apfo.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019



JULY 2007 INUNDATION SCENARIO (4-YEAR EVENT)

NORTH

JULY 2007 MAX INUNDATION

█ 757.0 ft PD	█ 743.5 ft PD
█ 753.0 ft PD	█ 743.0 ft PD
█ 749.0 ft PD	█ 742.5 ft PD
█ 745.0 ft PD	█ 742.0 ft PD
█ 744.5 ft PD	█ 734.0 ft PD
█ 744.0 ft PD	

Legend

ROAD CLASS

	Interstate
	State Highway
	US Highway
	Major Collector
	Local Road

MAP AND LEGEND NOTES

- For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.
- See Overview Map for notes on data sources and the Critical Infrastructure symbols.

	Railroad
	Stream
	Flowage Easements
	Project Boundary
	GRDA Ownership

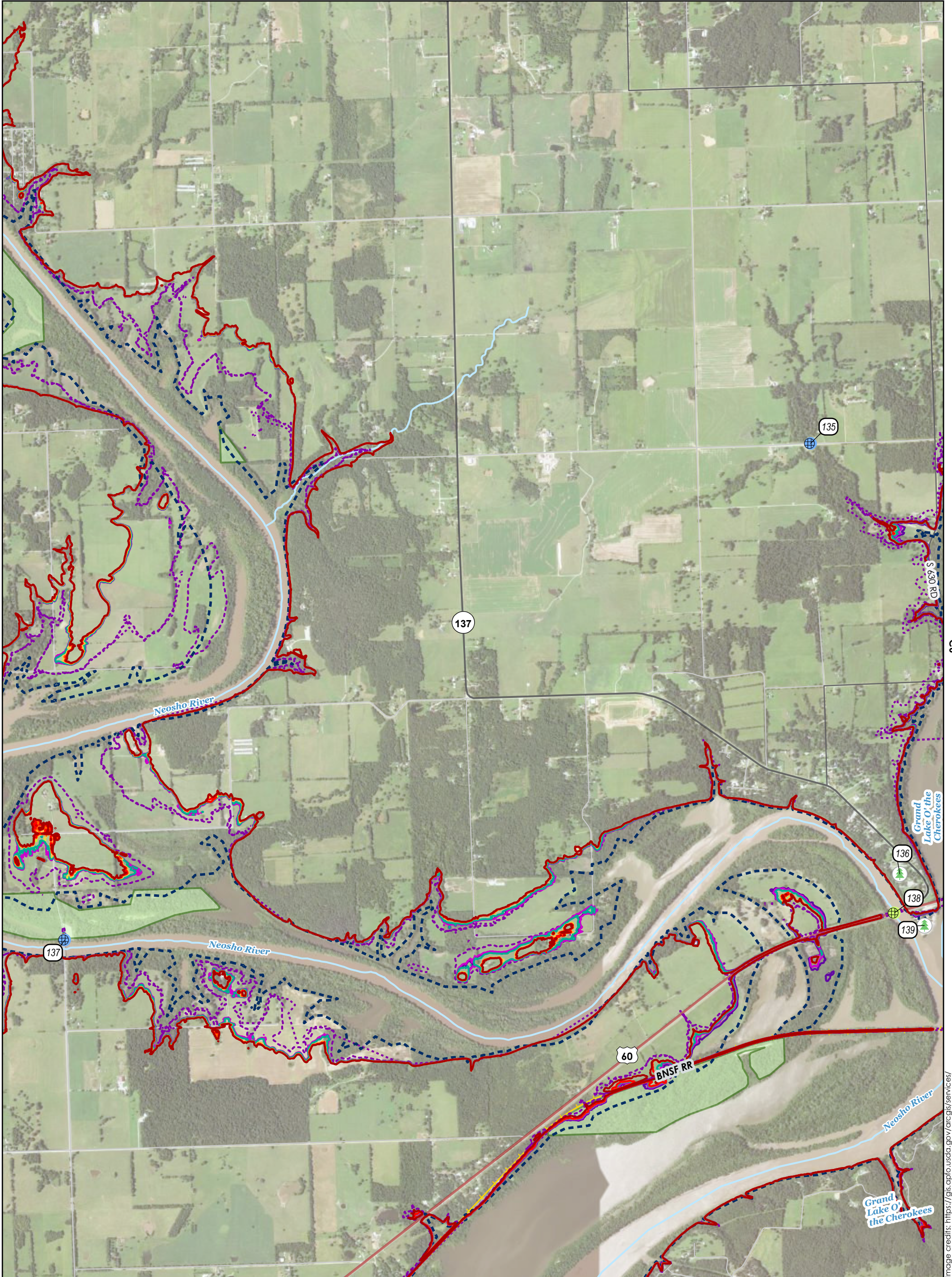
PENSACOLA DAM
GRAND RIVER DAM AUTHORITY

MAP: C4-1

CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2022

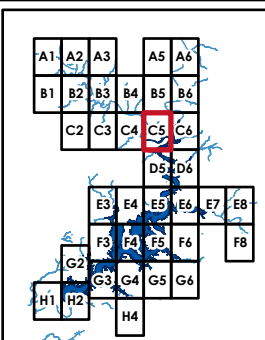
Image credits: https://gis.apfo.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019



**JULY 2007
INUNDATION SCENARIO
(4-YEAR EVENT)**



0 500 1,000 2,000 3,000 4,000
Feet
1 inch = 2,000 feet



JULY 2007 MAX INUNDATION

757.0 ft PD	743.5 ft PD
753.0 ft PD	743.0 ft PD
749.0 ft PD	742.5 ft PD
745.0 ft PD	742.0 ft PD
744.5 ft PD	734.0 ft PD
744.0 ft PD	

Legend

ROAD CLASS		
Interstate	—	Railroad
State Highway	—	Stream
US Highway	—	Flowage Easements
Major Collector	—	Project Boundary
Local Road	—	GRDA Ownership

MAP AND LEGEND NOTES

1. For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.
2. See Overview Map for notes on data sources and the Critical Infrastructure symbols.

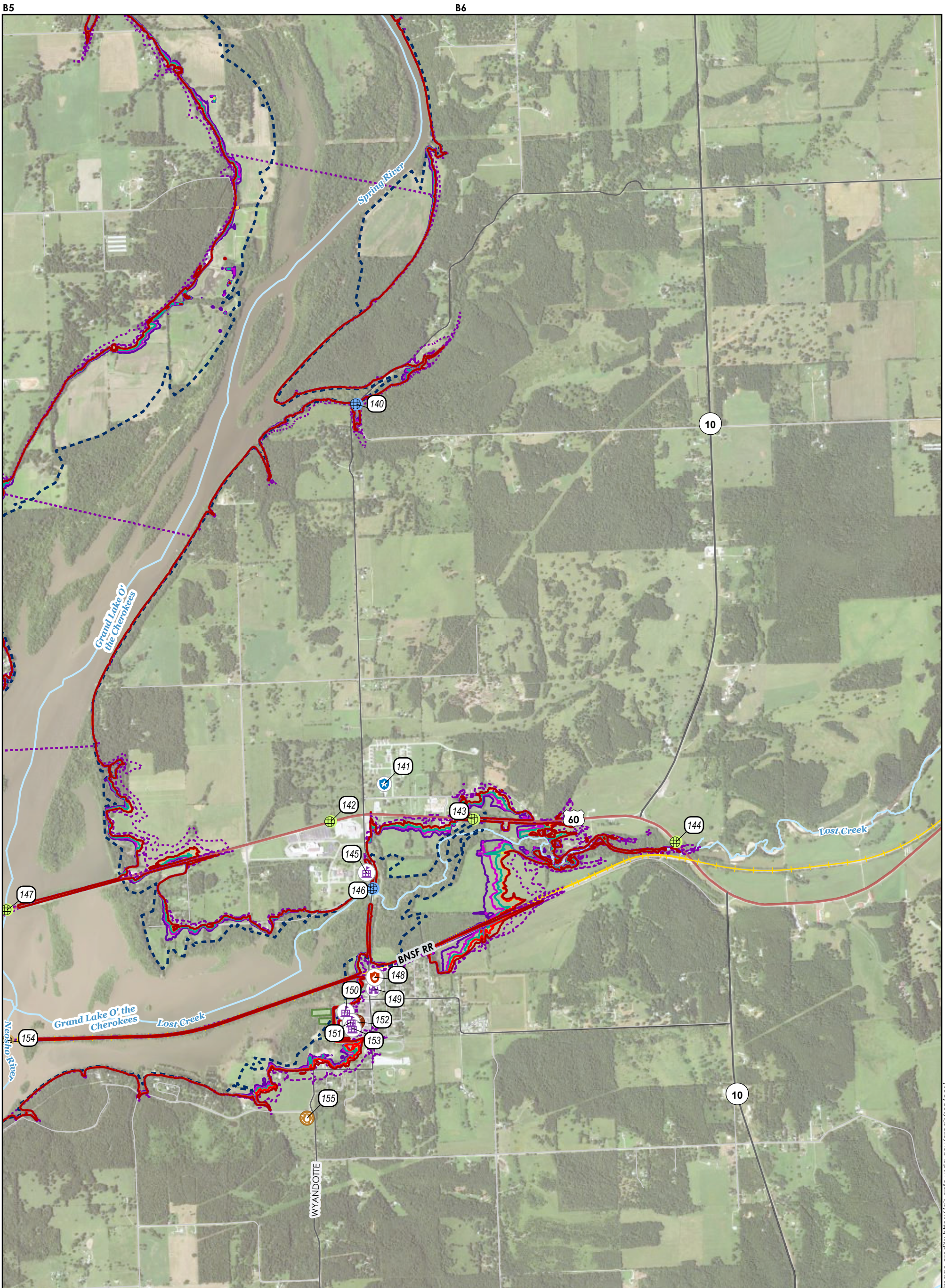
PENSACOLA DAM
GRAND RIVER DAM AUTHORITY

MAP: C5

CRAIG, DELAWARE, MAYES, AND
OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2022

Image credits: https://gis.dplfo.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019

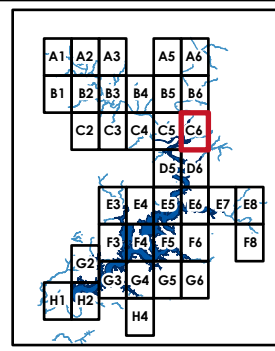


**JULY 2007
INUNDATION SCENARIO
(4-YEAR EVENT)**

NORTH

0 500 1,000 2,000 3,000 4,000 Feet

1 inch = 2,000 feet



JULY 2007 MAX INUNDATION

757.0 ft PD	743.5 ft PD
753.0 ft PD	743.0 ft PD
749.0 ft PD	742.5 ft PD
745.0 ft PD	742.0 ft PD
744.5 ft PD	734.0 ft PD
744.0 ft PD	

Legend

ROAD CLASS

Interstate	Railroad
State Highway	Stream
US Highway	Flowage Easements
Major Collector	Project Boundary
Local Road	GRDA Ownership

1. For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.

2. See Overview Map for notes on data sources and the Critical Infrastructure symbols.

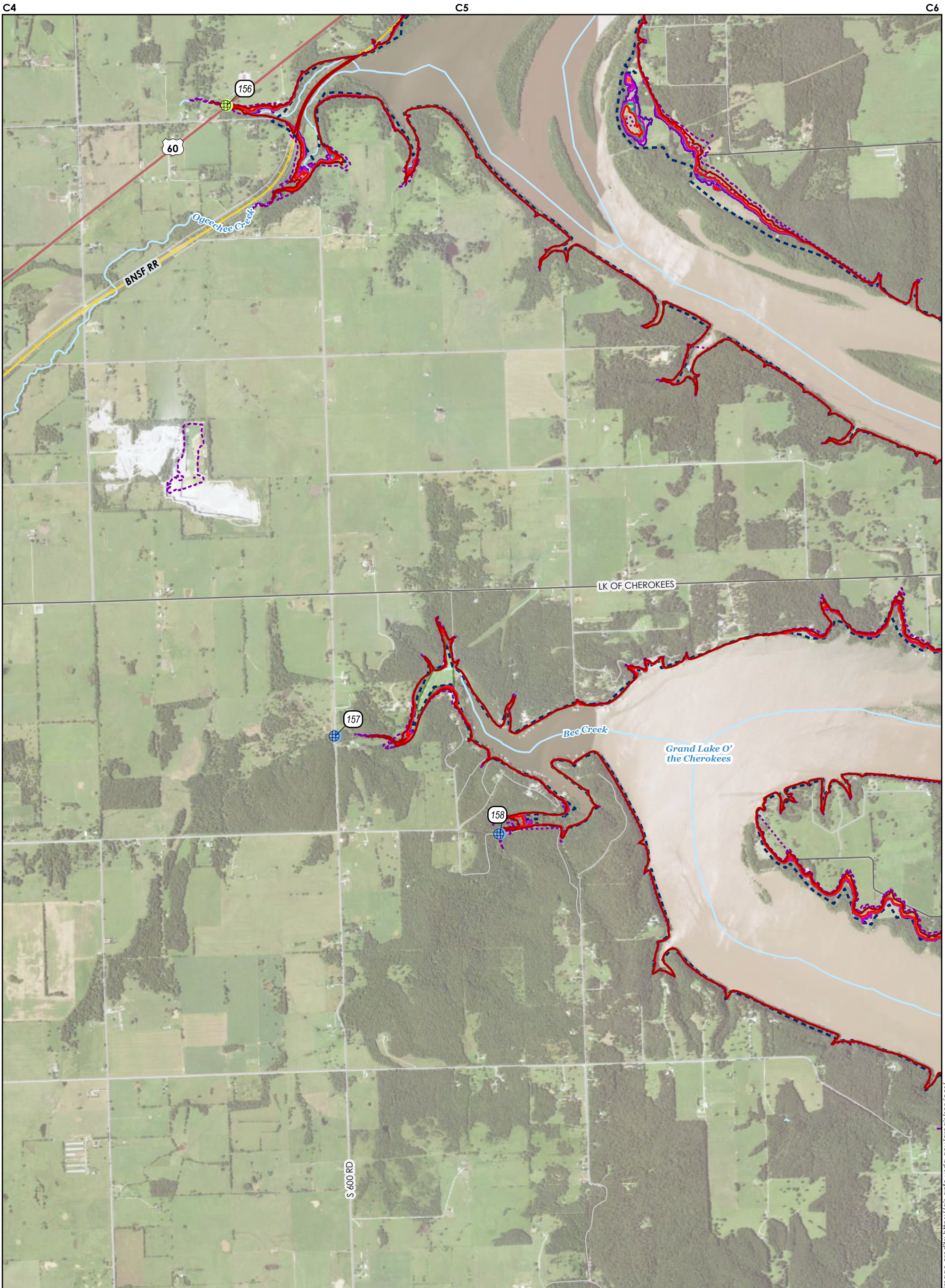
PENSACOLA DAM
GRAND RIVER DAM AUTHORITY

MAP: C6

CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2022

Image credits: https://gis.dplp.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019



JULY 2007 INUNDATION SCENARIO (4-YEAR EVENT)

NORTH

0 500 1,000 2,000 3,000 4,000
Feet

1 inch = 2,000 feet

JULY 2007 MAX INUNDATION

█ 757.0 ft PD	█ 743.5 ft PD
█ 753.0 ft PD	█ 743.0 ft PD
█ 749.0 ft PD	█ 742.5 ft PD
█ 745.0 ft PD	█ 742.0 ft PD
█ 744.5 ft PD	█ 734.0 ft PD
█ 744.0 ft PD	

Legend

ROAD CLASS

— Interstate	Railroad
— State Highway	— Stream
— US Highway	- - - Flowage Easements
— Major Collector	- - - Project Boundary
— Local Road	█ GRDA Ownership

PENSACOLA DAM
GRAND RIVER DAM AUTHORITY

MAP: D5

CRAIG, DELAWARE, MAYES, AND
OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2022

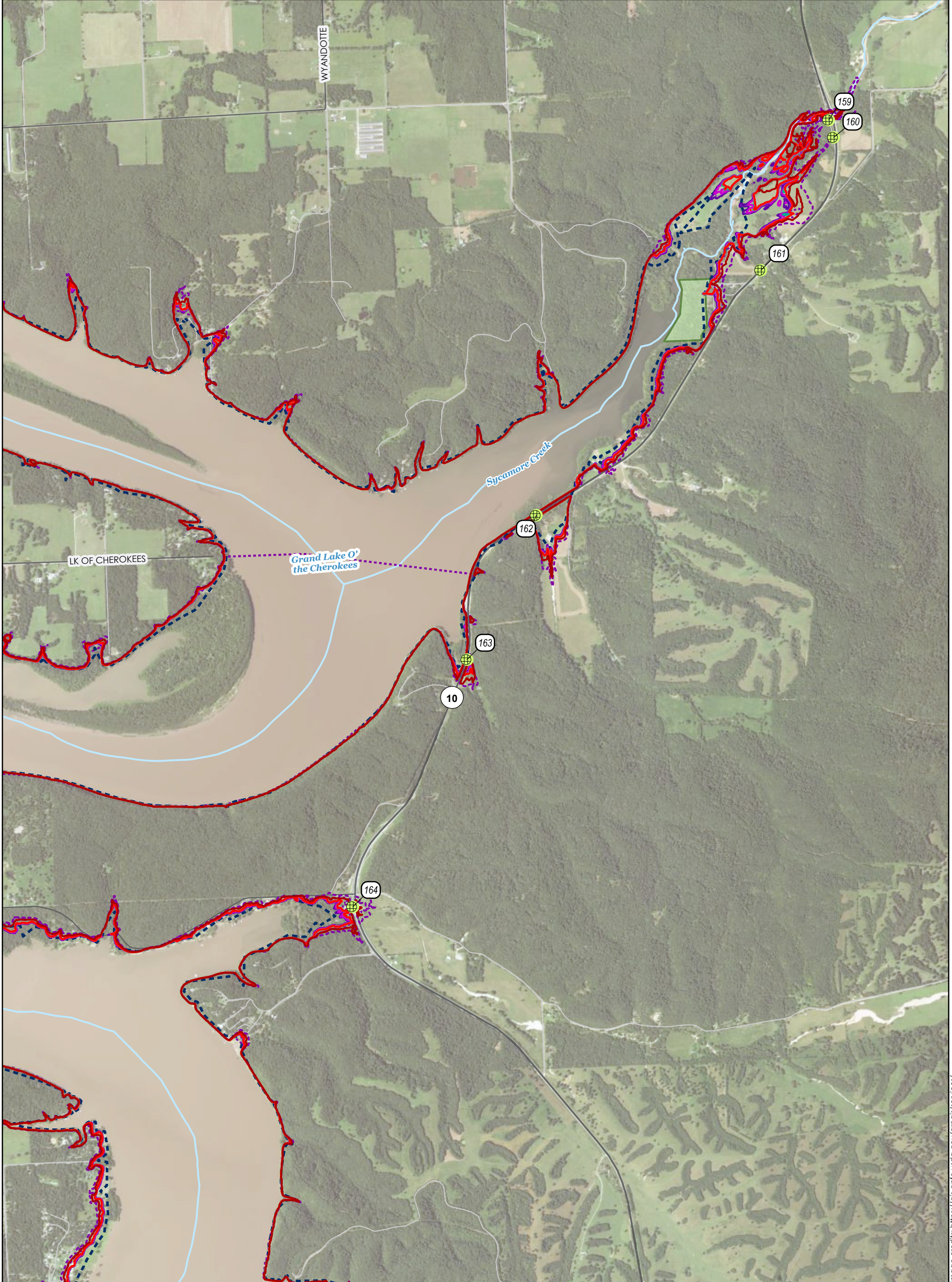
MAP AND LEGEND NOTES

- For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.
- See Overview Map for notes on data sources and the Critical Infrastructure symbols.

Image credits: https://gis.cplbo.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019

C5

C6



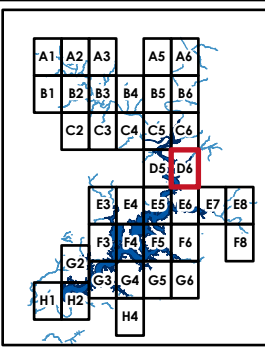
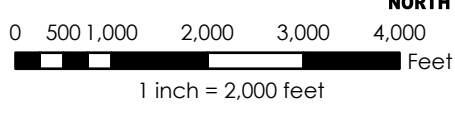
D5

E5

E6

E7

**JULY 2007
INUNDATION SCENARIO
(4-YEAR EVENT)**



JULY 2007 MAX INUNDATION

757.0 ft PD	743.5 ft PD
753.0 ft PD	743.0 ft PD
749.0 ft PD	742.5 ft PD
745.0 ft PD	742.0 ft PD
744.5 ft PD	734.0 ft PD
744.0 ft PD	

Legend

ROAD CLASS

Interstate
State Highway
US Highway
Major Collector
Local Road

Railroad
Stream
Flowage Easements
Project Boundary
GRDA Ownership

MAP AND LEGEND NOTES

1. For areas where only the highest starting elevation inundation boundary is visible, the inundation from other starting elevations is nearly identical.
2. See Overview Map for notes on data sources and the Critical Infrastructure symbols.

**PENSACOLA DAM
GRAND RIVER DAM AUTHORITY**

MAP: D6

CRAIG, DELAWARE, MAYES, AND
OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2022

Image credits: https://gis.dplfo.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019