
APPENDIX E.3:
JULY 2007 (4 YEAR) EVENT INUNDATION MAPS

Downstream Model Results Overview Map

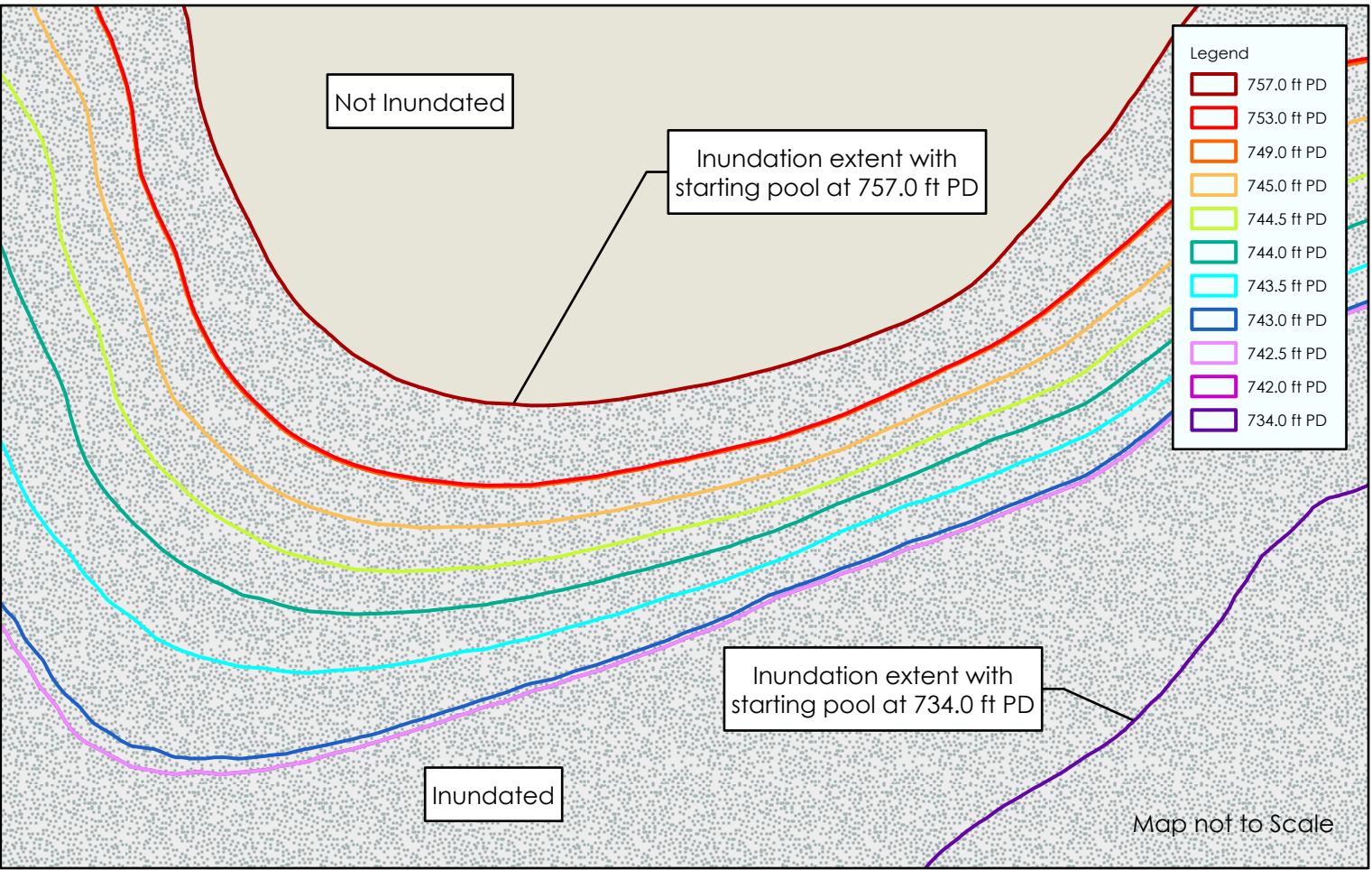
Pensacola Dam
GRAND RIVER DAM AUTHORITY
Date: September 2022

Overview Map Legend

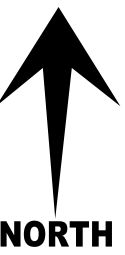
	1:24,000-scale Map Sheet	Road Class
	County Boundary	Interstate
	Municipality	US Highway
	Unincorporated	

Inundation Scenario Mapping

Mapping shows the extent of inundation for the selected hydraulic event under different starting pool elevations at Pensacola Dam: 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.



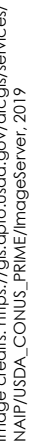
0 0.75 1.5 3 4.5 6 Miles



Map Notes

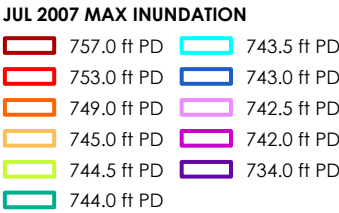
Data Sources for Maps:

- Base map images from https://gis.apfo.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019.
- 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>).



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

1 inch = 2,000 feet



ROAD CLASS

- Interstate
- State Highway
- US Highway
- Major Collector
- Local Road

MAP: B2

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

A1

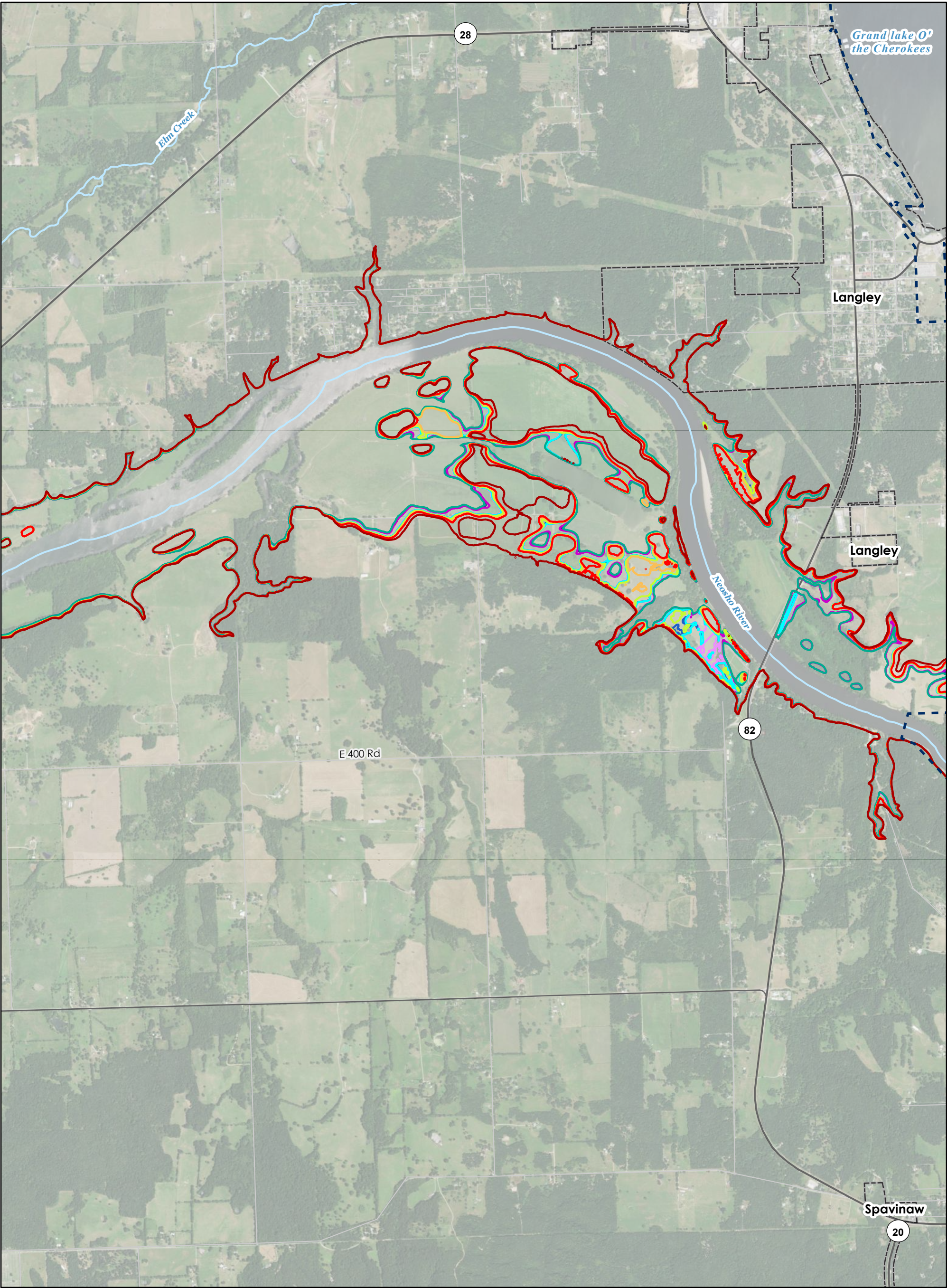


Image credits: https://gis.apfo.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019

C2

C2

JULY 2007 (4 YEAR) INUNDATION SCENARIO

05001,0002,0003,0004,000

Feet

1 inch = 2,000 feet

A1

B1B2B3B4

C1C2

D1D2

E1

757.0 ft PD

753.0 ft PD

749.0 ft PD

745.0 ft PD

744.5 ft PD

744.0 ft PD

743.5 ft PD

743.0 ft PD

742.5 ft PD

742.0 ft PD

734.0 ft PD

Interstate

State Highway

US Highway

Major Collector

Local Road

Stream

Project

County

Municipal

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.

PENSACOLA DAM

DOWNSTREAM HYDRAULIC MODEL

GRAND RIVER DAM AUTHORITY

MAP: B3

CRAIG, DELAWARE, AND MAYES COUNTIES, OKLAHOMA

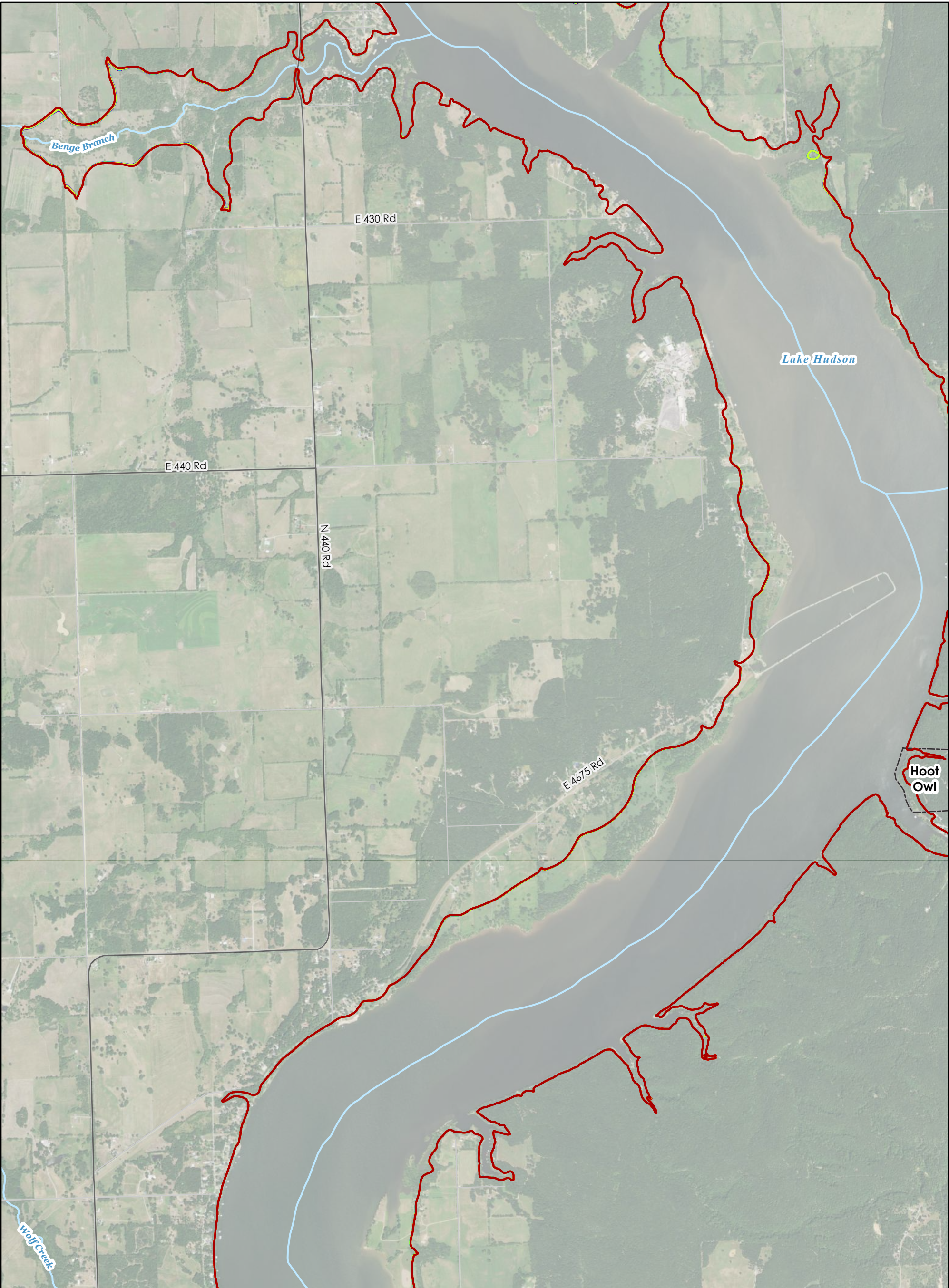
FERC No. 1494

September 2022

B1

B2

B2

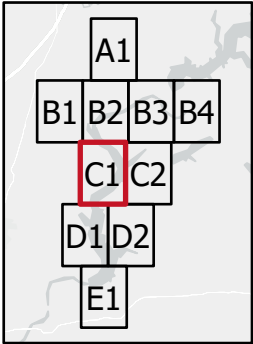
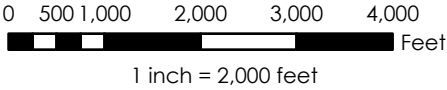


D1

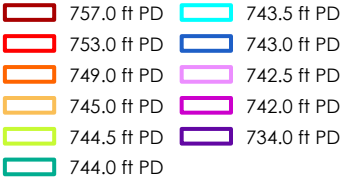
D1

D2

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

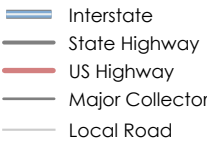


JUL 2007 MAX INUNDATION



Legend

ROAD CLASS



BOUNDARY TYPE



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.

**PENSACOLA DAM
DOWNSTREAM HYDRAULIC MODEL**

GRAND RIVER DAM AUTHORITY

MAP: C1

CRAIG, DELAWARE, AND MAYES
COUNTIES, OKLAHOMA

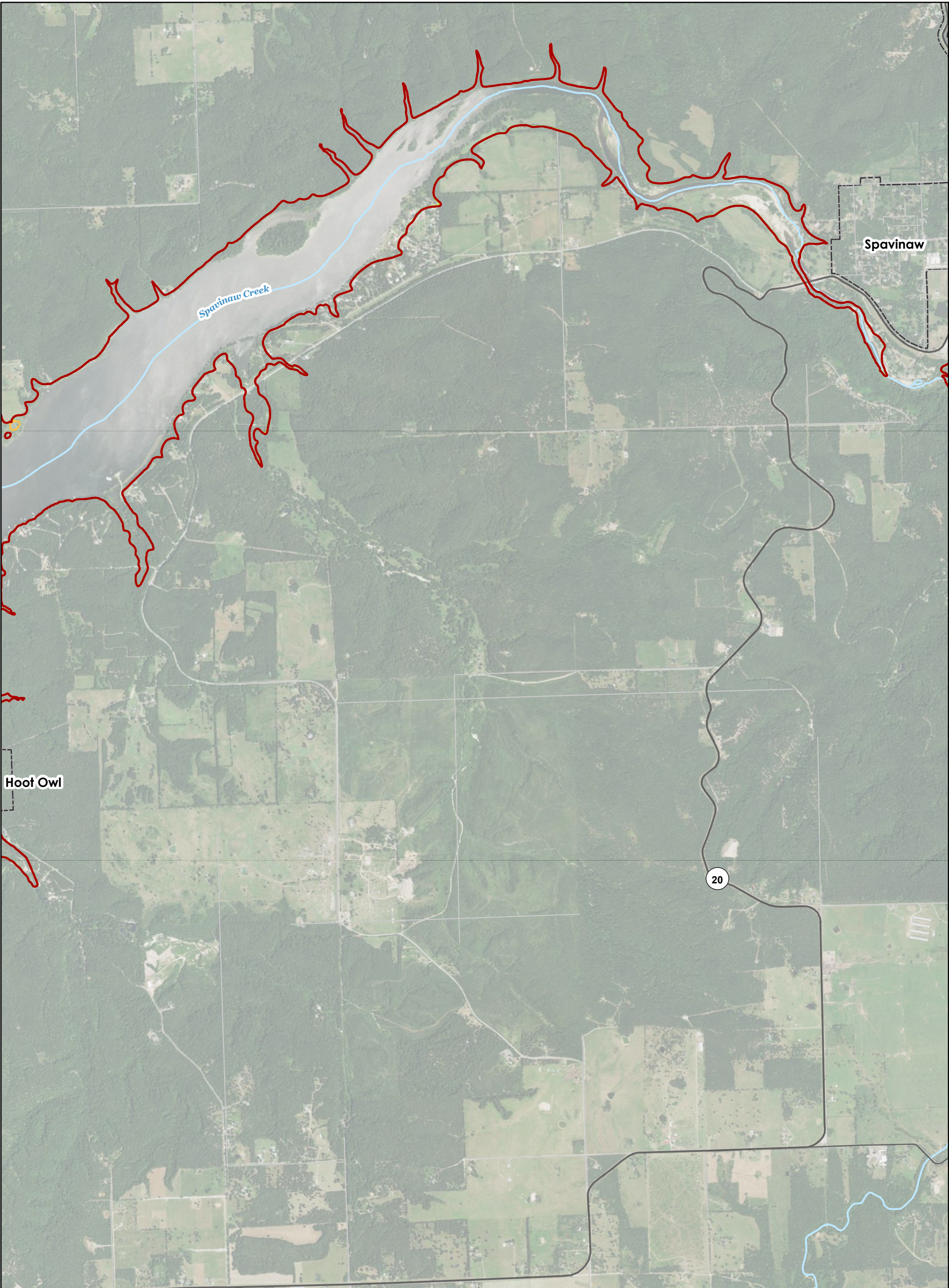
FERC No. 1494
September 2022

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

B2

B3

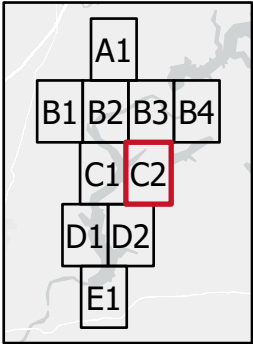
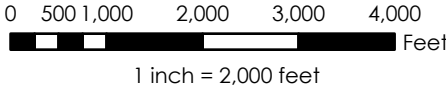
B3



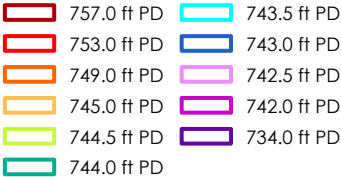
D2

D2

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



JUL 2007 MAX INUNDATION



Legend

ROAD CLASS



BOUNDARY TYPE



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.
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**PENSACOLA DAM
DOWNSTREAM HYDRAULIC MODEL**

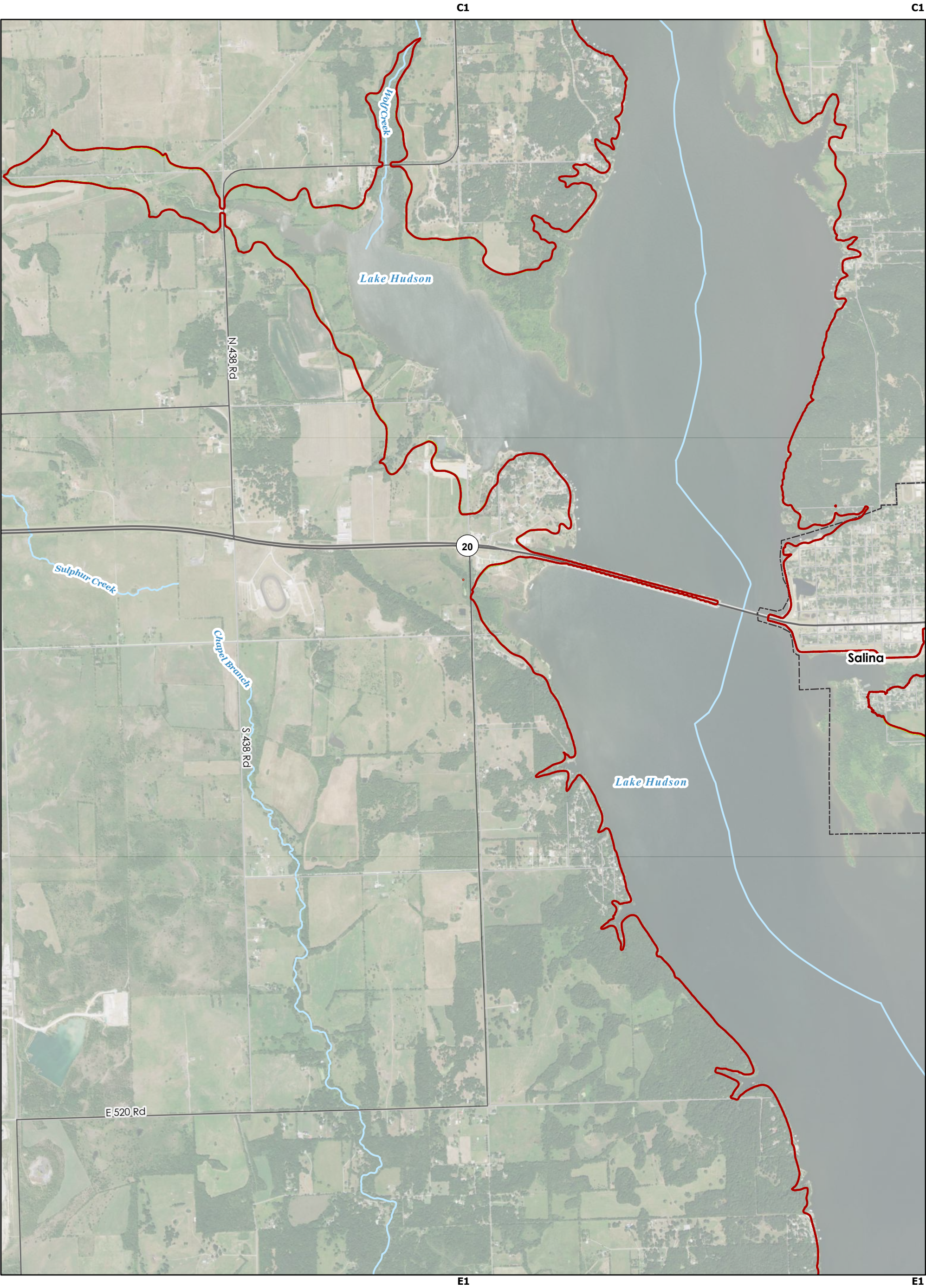
GRAND RIVER DAM AUTHORITY

MAP: C2

CRAIG, DELAWARE, AND MAYES
COUNTIES, OKLAHOMA

FERC No. 1494
September 2022

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



JULY 2007 (4 YEAR) INUNDATION SCENARIO

05001,0002,0003,0004,000

Feet

1 inch = 2,000 feet

NORTH

A1

B1B2B3B4

C1C2

D1D2

E1

JUL 2007 MAX INUNDATION

757.0 ft PD

753.0 ft PD

749.0 ft PD

745.0 ft PD

744.5 ft PD

744.0 ft PD

743.5 ft PD

743.0 ft PD

742.5 ft PD

742.0 ft PD

734.0 ft PD

Legend

ROAD CLASS

Interstate

State Highway

US Highway

Major Collector

Local Road

BOUNDARY TYPE

Project

County

Municipal

MAP AND LEGEND NOTES

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PENSACOLA DAM

DOWNSTREAM HYDRAULIC MODEL

GRAND RIVER DAM AUTHORITY

MAP: D1

CRAIG, DELAWARE, AND MAYES
COUNTIES, OKLAHOMA

FERC No. 1494
September 2022

C2



1 inch = 2,000 feet



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FERC No. 1494
September 2022

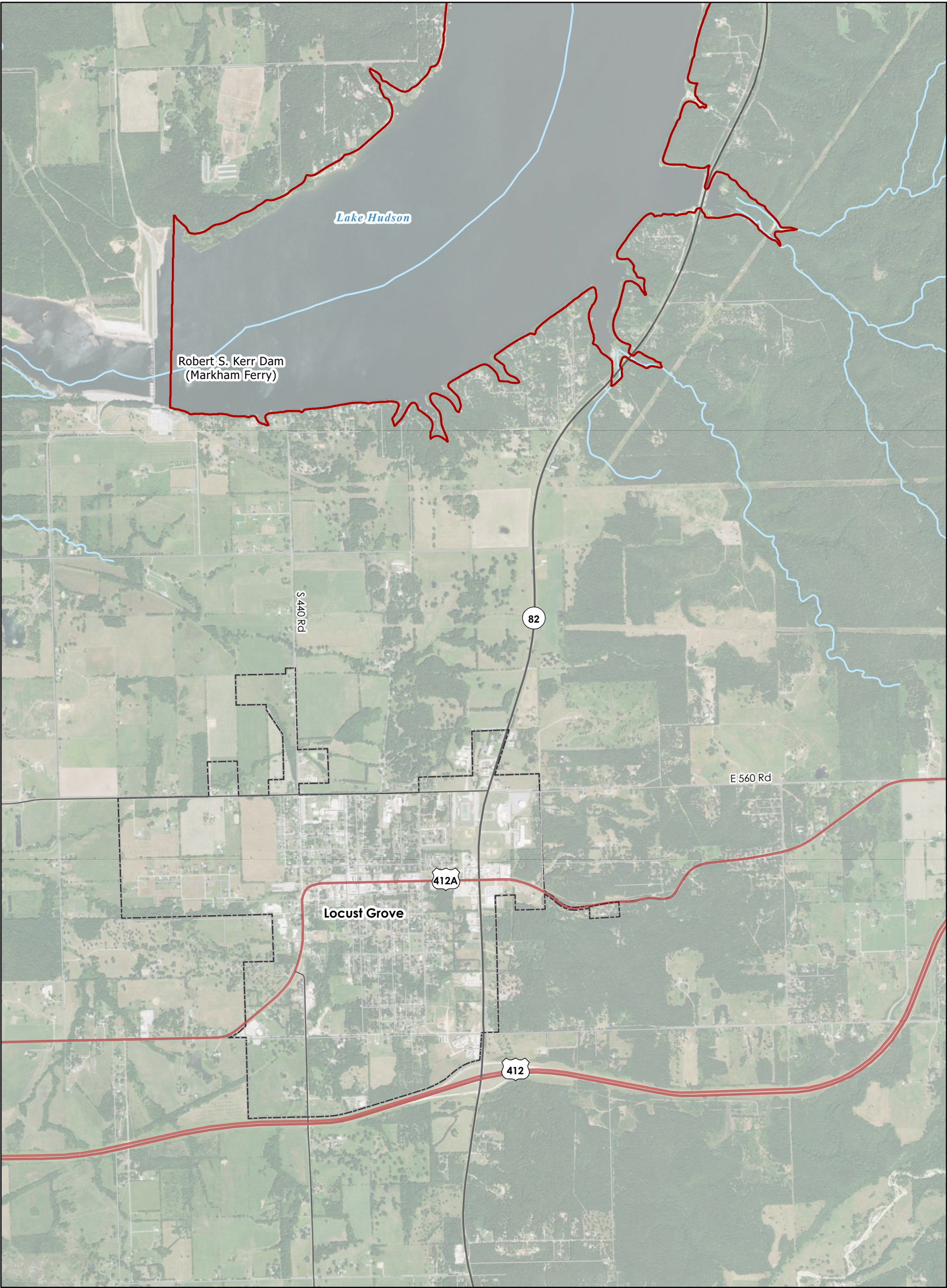
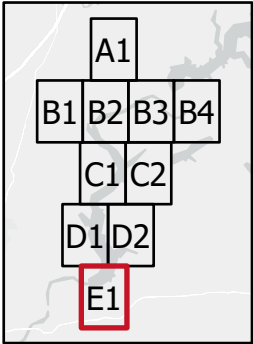
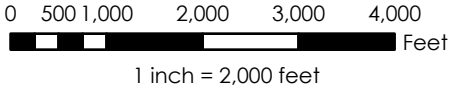
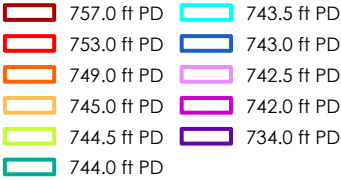


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**JULY 2007 (4 YEAR)
INUNDATION SCENARIO**

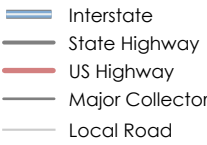


JUL 2007 MAX INUNDATION



Legend

ROAD CLASS



BOUNDARY TYPE



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**PENSACOLA DAM
DOWNSTREAM HYDRAULIC MODEL**

GRAND RIVER DAM AUTHORITY

MAP: E1

CRAIG, DELAWARE, AND MAYES
COUNTIES, OKLAHOMA

FERC No. 1494
September 2022