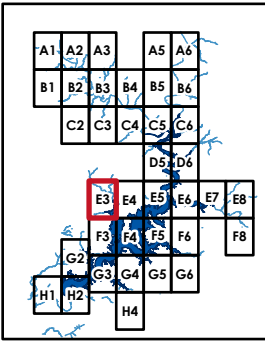
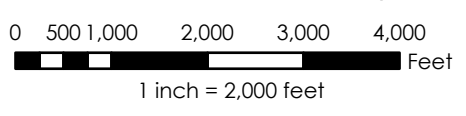


HISTORICAL INUNDATION SCENARIOS



- MAX INUNDATION**
- █ July 2007
 - █ September 1993
 - █ December 2015
 - █ October 2009
 - █ June 2004

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

MAP NOTES

1. Simulations of historical inflow events use historical starting stage at Pensacola Dam. Pensacola Dam stage during the inflow event is calculated by the Operations Model.
2. See Overview Map for notes on data sources.

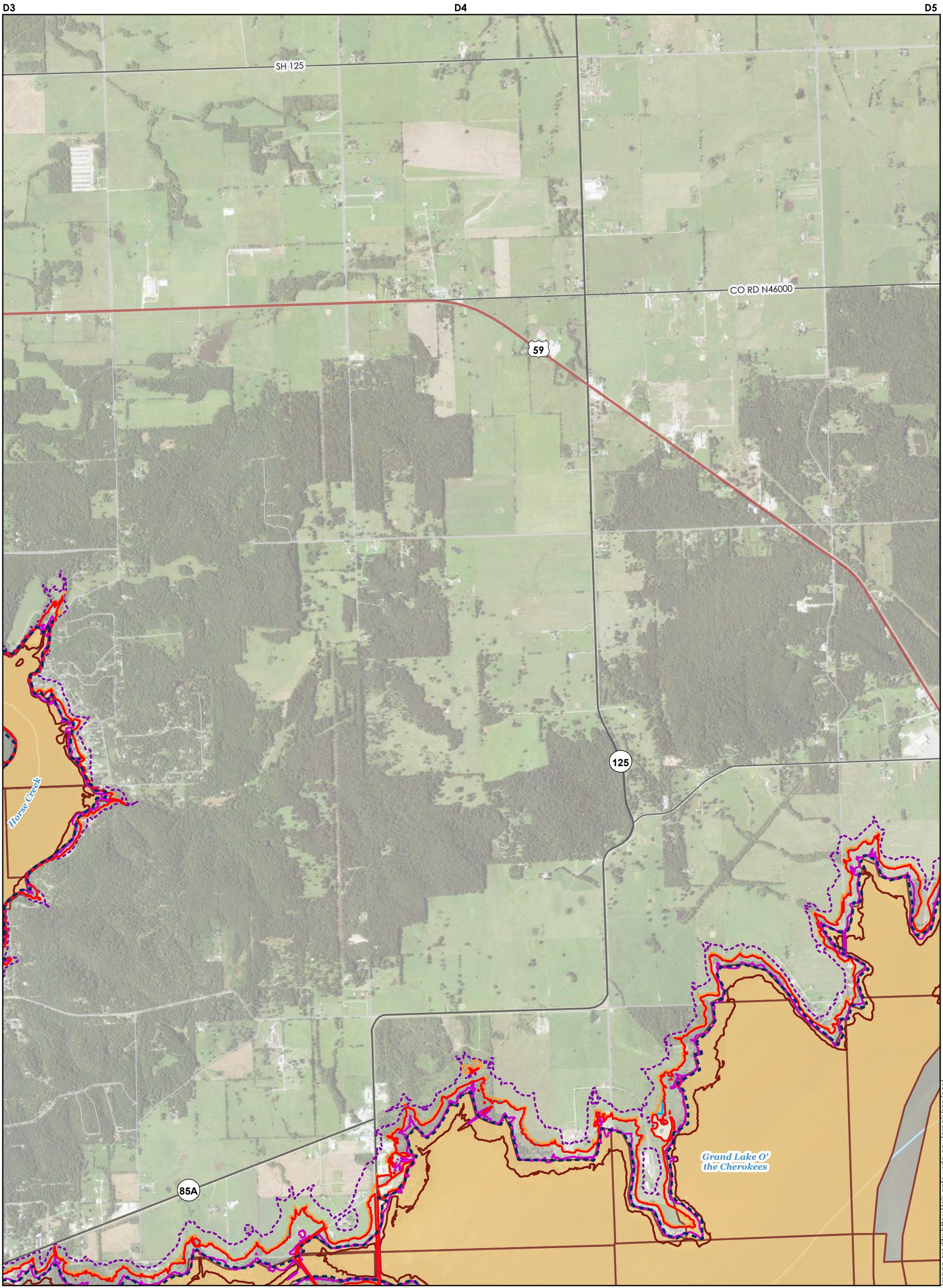
PENSACOLA DAM

GRAND RIVER DAM AUTHORITY

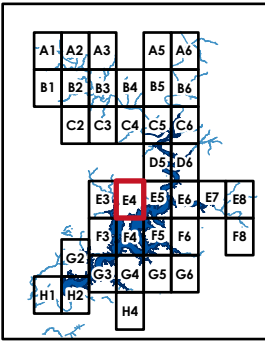
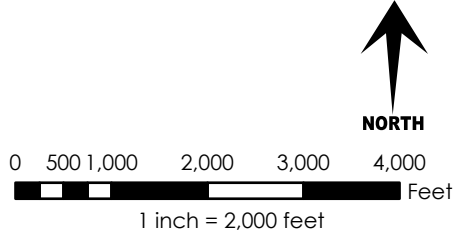
MAP: E3

CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2021



HISTORICAL INUNDATION SCENARIOS



- MAX INUNDATION**
- █ July 2007
 - █ September 1993
 - █ December 2015
 - █ October 2009
 - █ June 2004

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

MAP NOTES

1. Simulations of historical inflow events use historical starting stage at Pensacola Dam. Pensacola Dam stage during the inflow event is calculated by the Operations Model.
2. See Overview Map for notes on data sources.

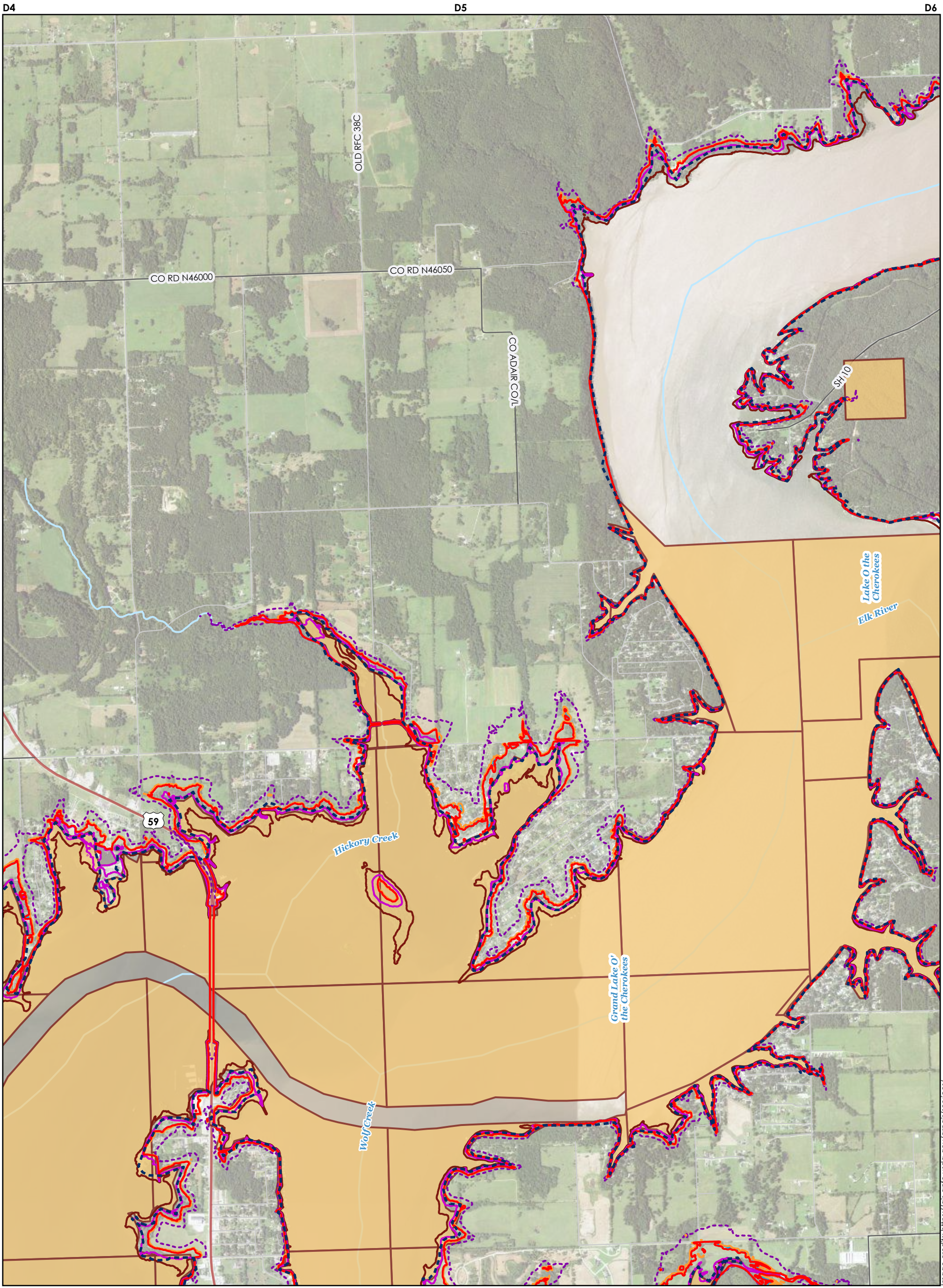
PENSACOLA DAM GRAND RIVER DAM AUTHORITY

MAP: E4

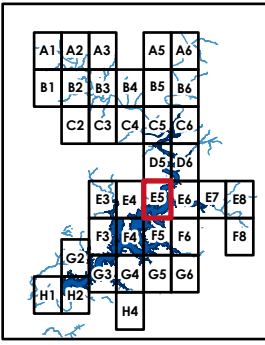
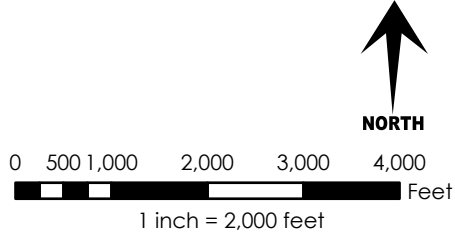
CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2021

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



HISTORICAL INUNDATION SCENARIOS



- MAX INUNDATION**
- July 2007
 - September 1993
 - December 2015
 - October 2009
 - June 2004

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

MAP NOTES

1. Simulations of historical inflow events use historical starting stage at Pensacola Dam. Pensacola Dam stage during the inflow event is calculated by the Operations Model.
2. See Overview Map for notes on data sources.

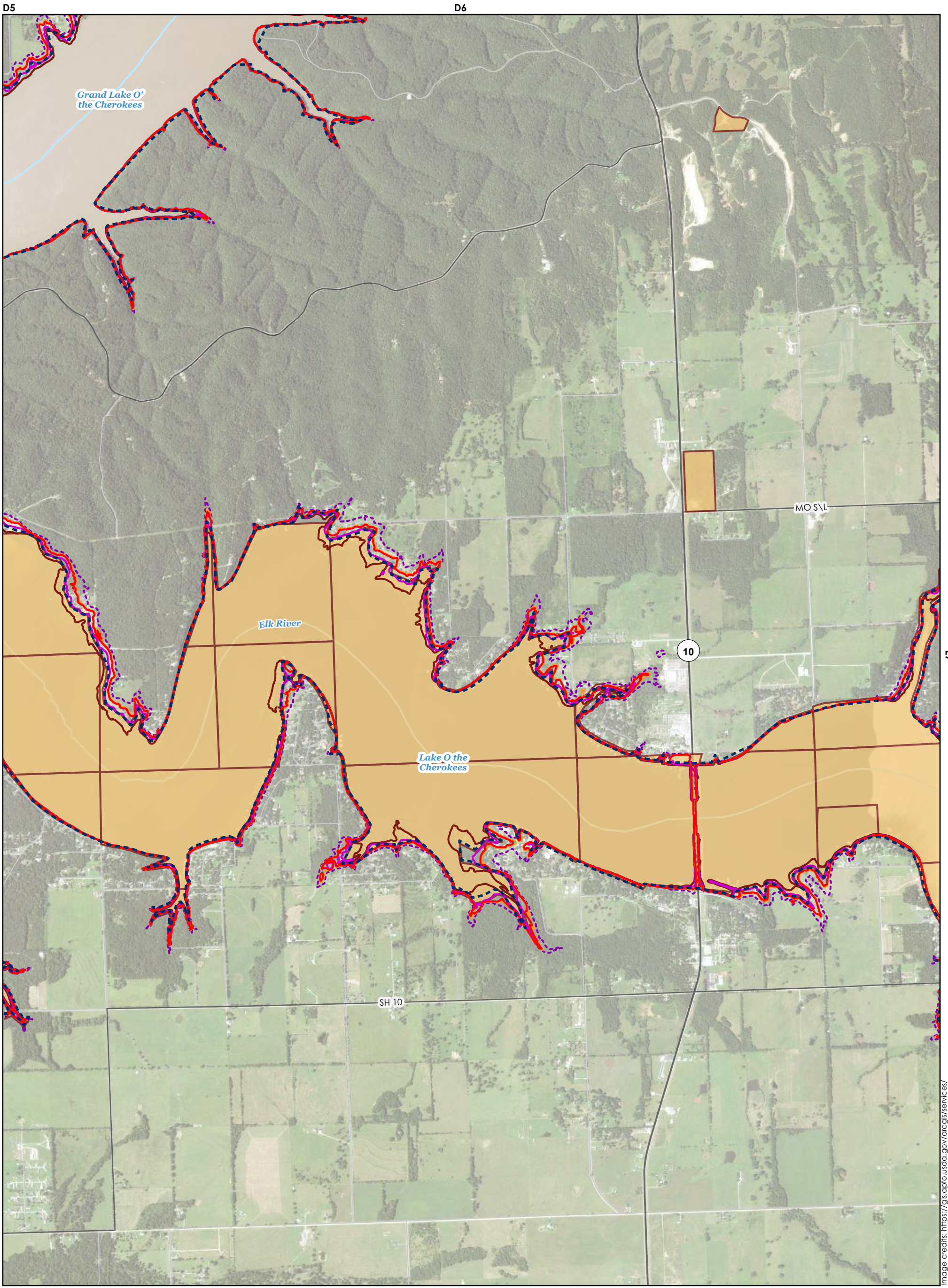
PENSACOLA DAM GRAND RIVER DAM AUTHORITY

MAP: E5

CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2021

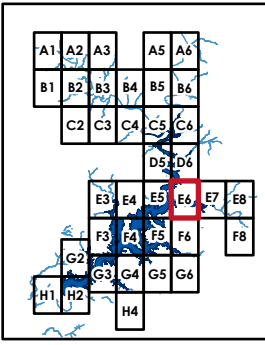
Image credits: https://gis.dplbo.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019



HISTORICAL INUNDATION SCENARIOS

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

1 inch = 2,000 feet



- MAX INUNDATION**
- █ July 2007
 - █ September 1993
 - █ December 2015
 - █ October 2009
 - █ June 2004

- Legend**
- ROAD CLASS**
- Interstate
 - State Highway
 - US Highway
 - Major Collector
 - Local Road
- + Railroad
 - Stream
 - - - Flowage Easements
 - - - Project Boundary
 - █ GRDA Ownership

MAP NOTES

1. Simulations of historical inflow events use historical starting stage at Pensacola Dam. Pensacola Dam stage during the inflow event is calculated by the Operations Model.
2. See Overview Map for notes on data sources.

PENSACOLA DAM
GRAND RIVER DAM AUTHORITY

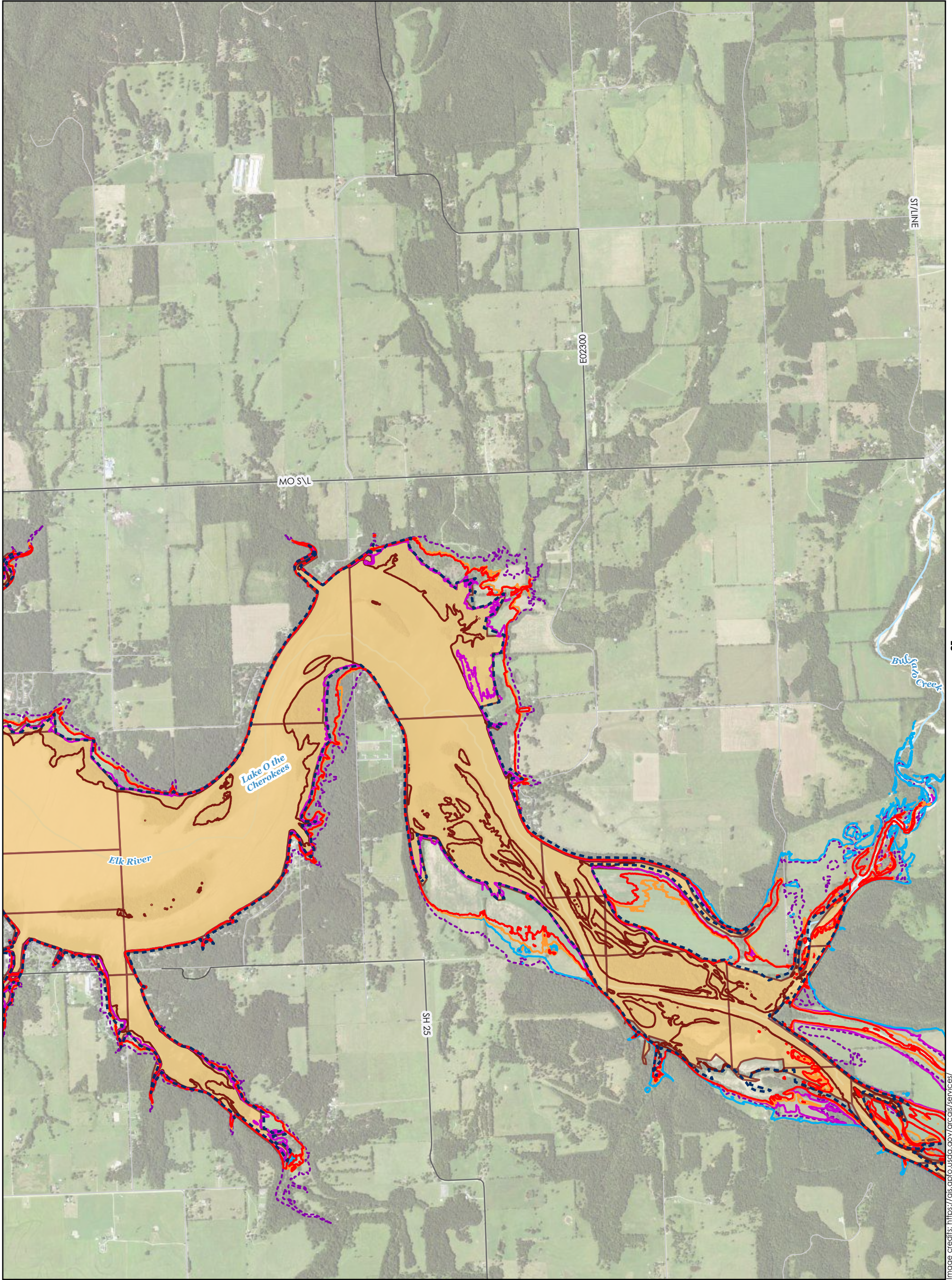
MAP: E6

CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2021

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

D6



F6

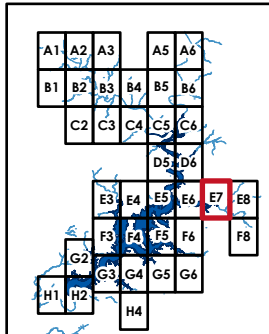
F7

F8

HISTORICAL INUNDATION SCENARIOS



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



MAX INUNDATION

- █ July 2007
- █ September 1993
- █ December 2015
- █ October 2009
- █ June 2004

Legend

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

MAP NOTES

1. Simulations of historical inflow events use historical starting stage at Pensacola Dam. Pensacola Dam stage during the inflow event is calculated by the Operations Model.
2. See Overview Map for notes on data sources.

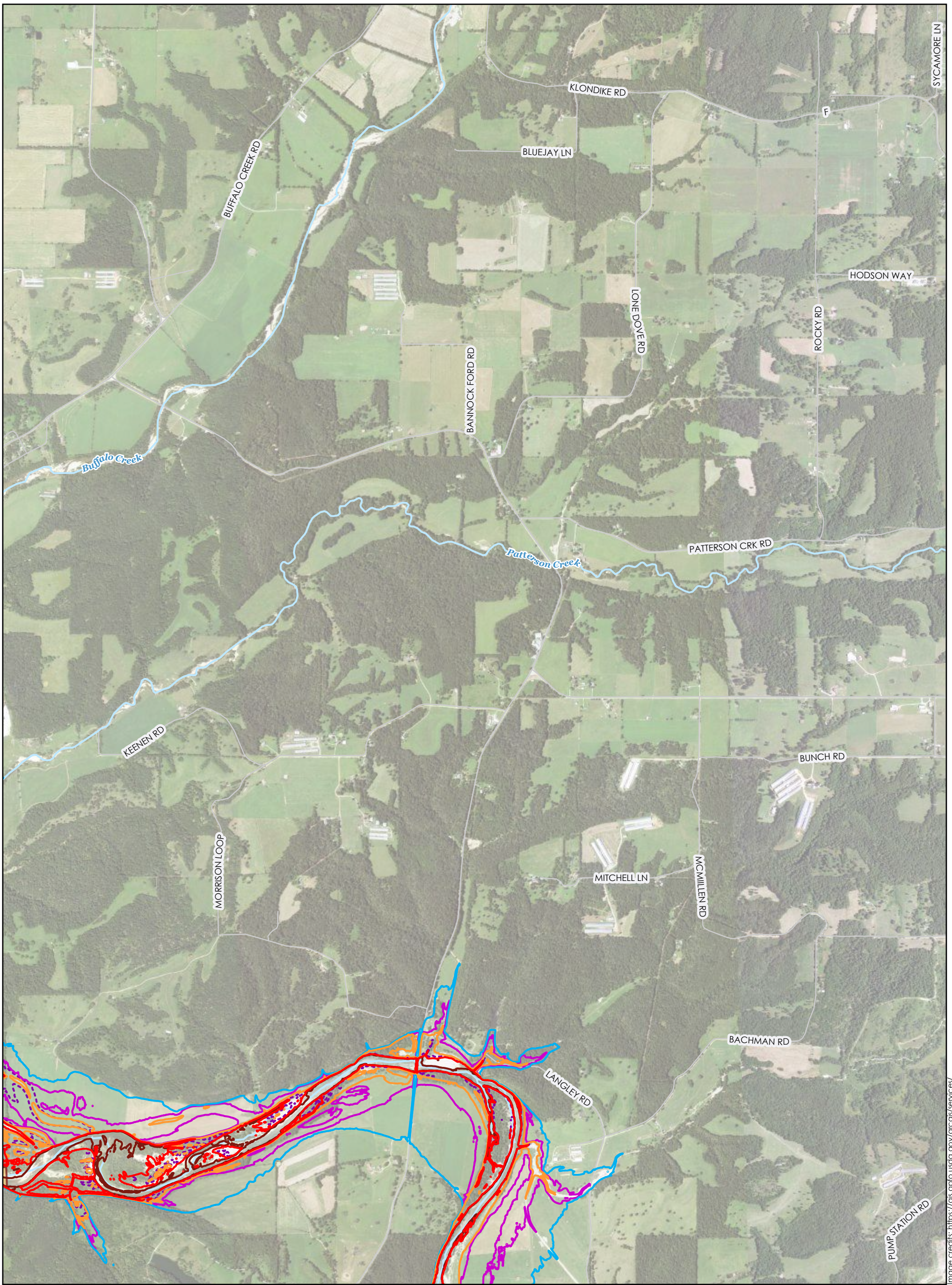
PENSACOLA DAM GRAND RIVER DAM AUTHORITY

MAP: E7

CRAIG, DELAWARE, MAYES, AND
OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2021

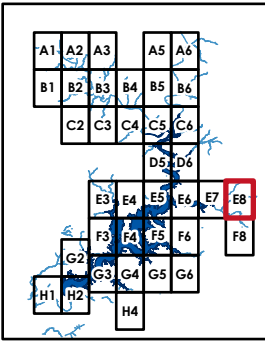
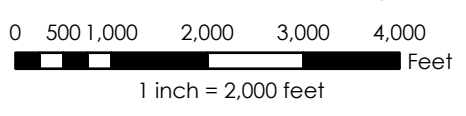
Image credits: https://gis.dplbo.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019



F7

F8

HISTORICAL INUNDATION SCENARIOS



- MAX INUNDATION**
- █ July 2007
 - █ September 1993
 - █ December 2015
 - █ October 2009
 - █ June 2004

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

MAP NOTES

1. Simulations of historical inflow events use historical starting stage at Pensacola Dam. Pensacola Dam stage during the inflow event is calculated by the Operations Model.
2. See Overview Map for notes on data sources.

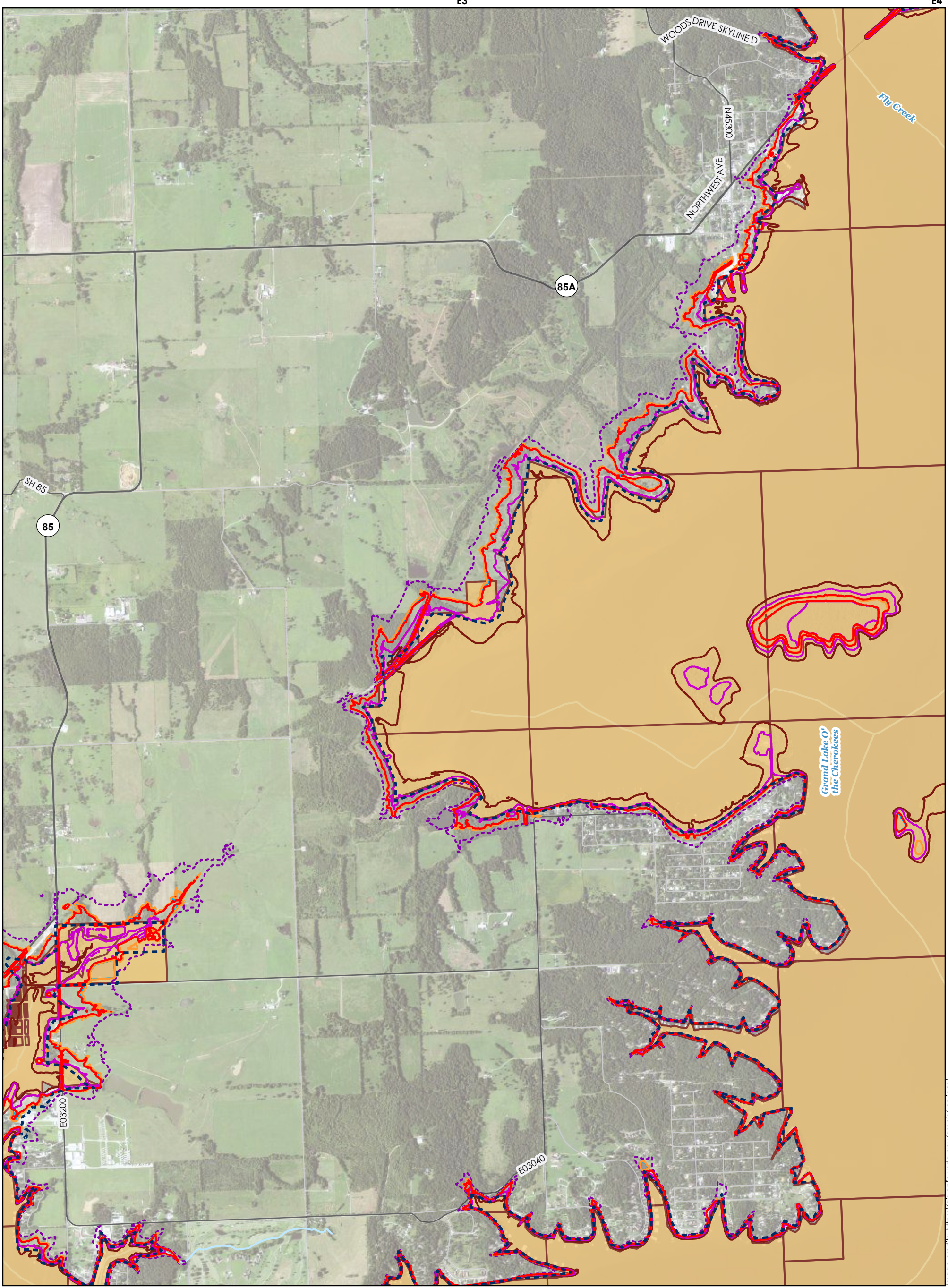
PENSACOLA DAM GRAND RIVER DAM AUTHORITY

MAP: E8

CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2021

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

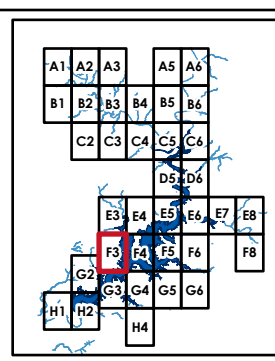


HISTORICAL INUNDATION SCENARIOS

NORTH

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

1 inch = 2,000 feet



- MAX INUNDATION**
- ▬ July 2007
 - ▬ September 1993
 - ▬ December 2015
 - ▬ October 2009
 - ▬ June 2004

- Legend**
- ROAD CLASS**
- ▬ Interstate
 - ▬ State Highway
 - ▬ US Highway
 - ▬ Major Collector
 - ▬ Local Road
- + Railroad
 - ▬ Stream
 - ▬ Flowage Easements
 - ▬ Project Boundary
 - ▬ GRDA Ownership

MAP NOTES

1. Simulations of historical inflow events use historical starting stage at Pensacola Dam. Pensacola Dam stage during the inflow event is calculated by the Operations Model.
2. See Overview Map for notes on data sources.

PENSACOLA DAM

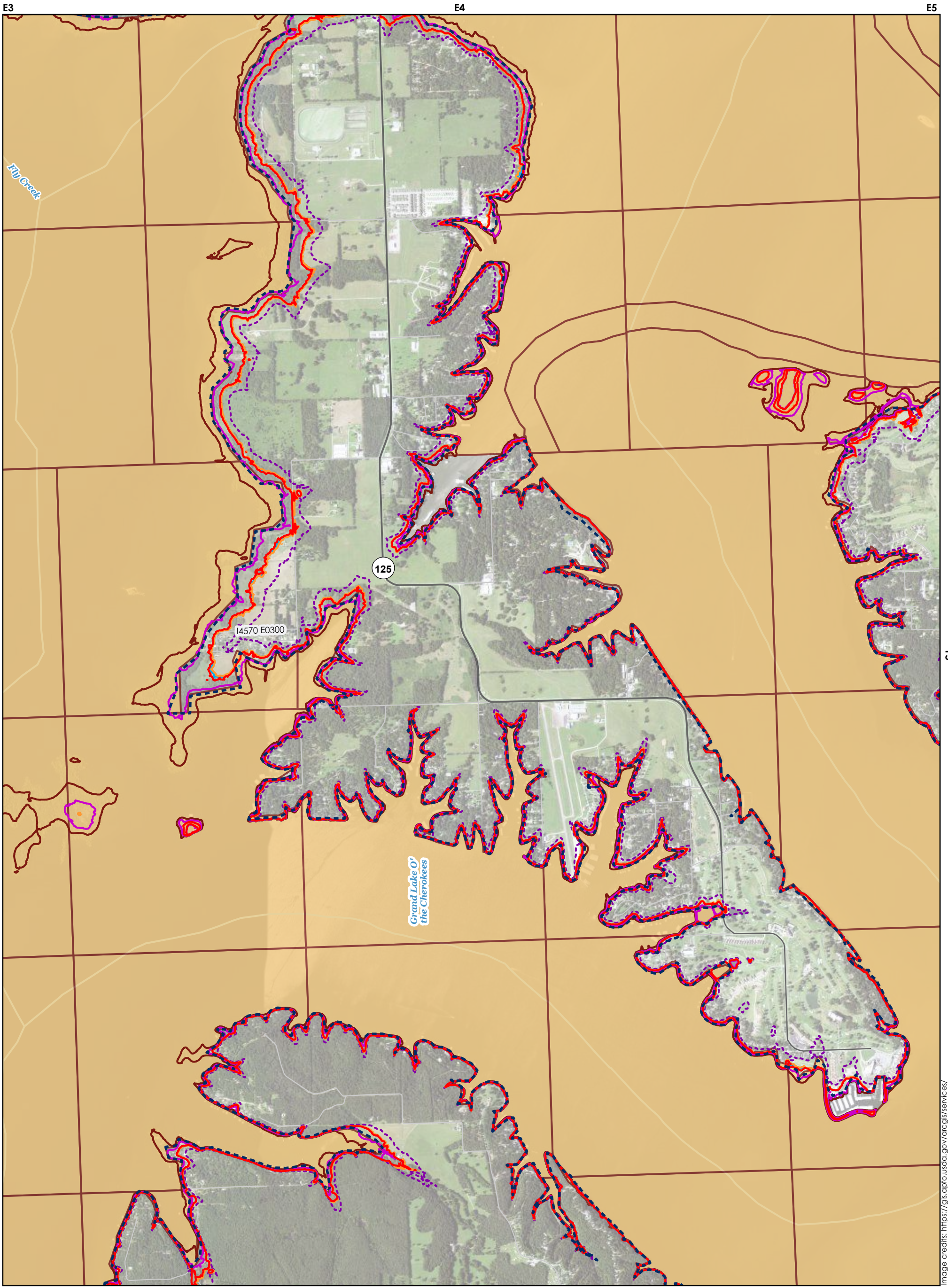
GRAND RIVER DAM AUTHORITY

MAP: F3

CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2021

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



HISTORICAL INUNDATION SCENARIOS

NORTH

MAX INUNDATION

- July 2007
- September 1993
- December 2015
- October 2009
- June 2004

ROAD CLASS

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

Legend

- Railroad
- Stream
- - - Flowage Easements
- - - Project Boundary
- GRDA Ownership

MAP NOTES

1. Simulations of historical inflow events use historical starting stage at Pensacola Dam. Pensacola Dam stage during the inflow event is calculated by the Operations Model.
2. See Overview Map for notes on data sources.

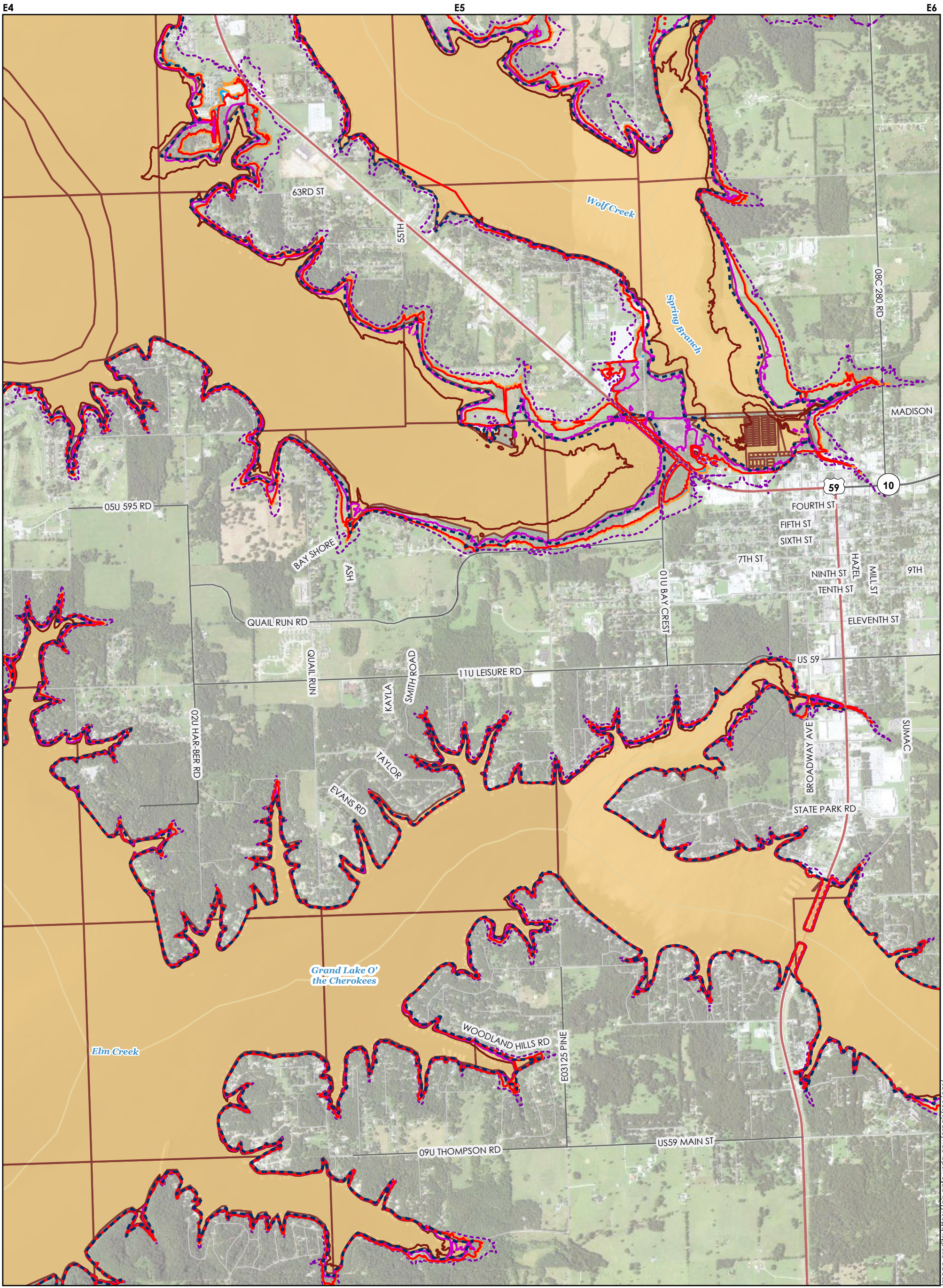
PENSACOLA DAM
GRAND RIVER DAM AUTHORITY

MAP: F4

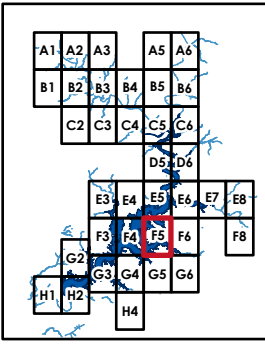
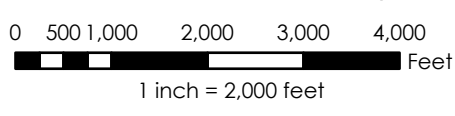
CRAIG, DELAWARE, MAYES, AND
OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2021

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



HISTORICAL INUNDATION SCENARIOS



- MAX INUNDATION**
- █ July 2007
 - █ September 1993
 - █ December 2015
 - █ October 2009
 - █ June 2004

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

MAP NOTES

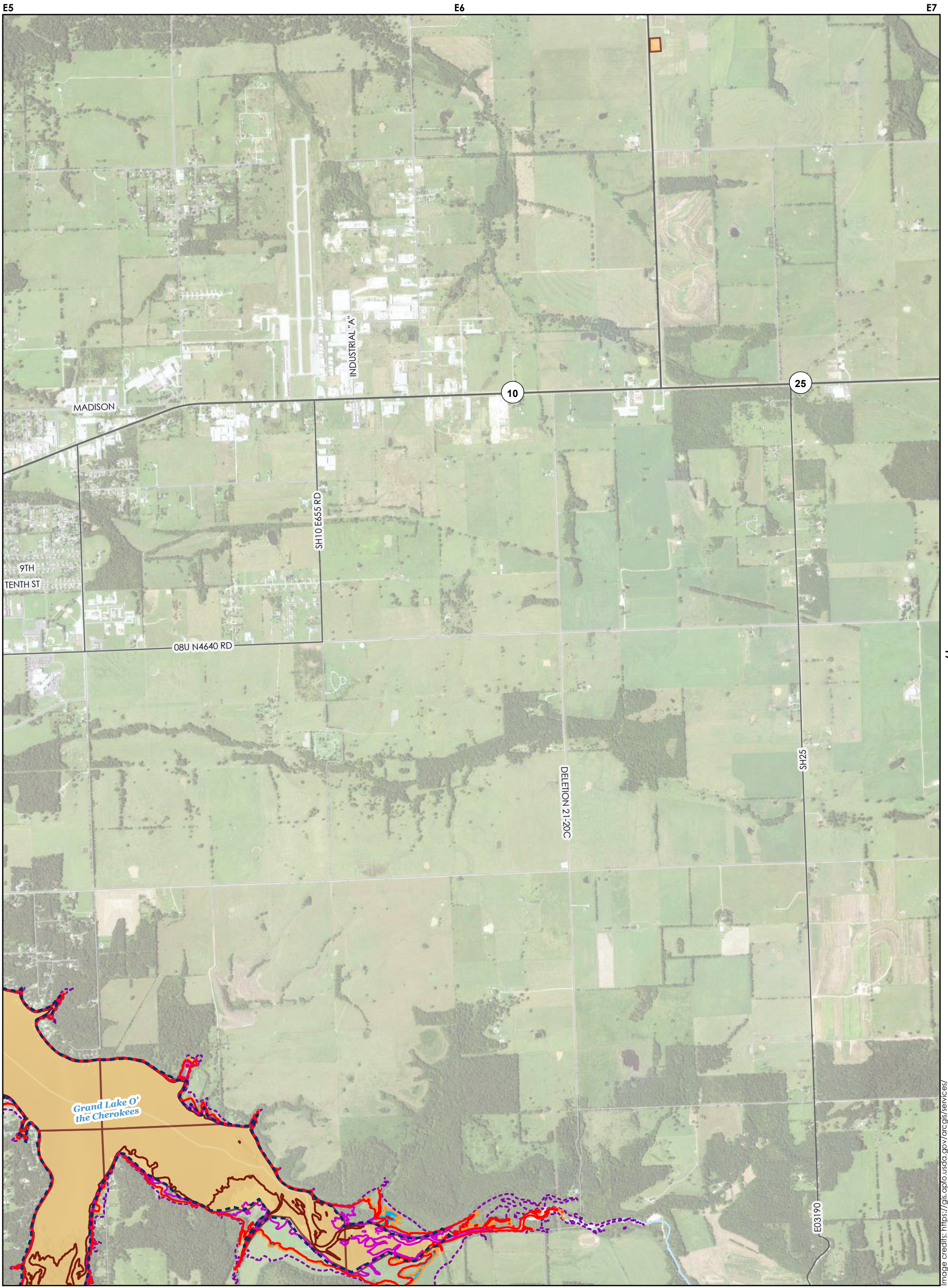
1. Simulations of historical inflow events use historical starting stage at Pensacola Dam. Pensacola Dam stage during the inflow event is calculated by the Operations Model.
2. See Overview Map for notes on data sources.

PENSACOLA DAM GRAND RIVER DAM AUTHORITY

MAP: F5

CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA
FERC No. 1494
 September 2021

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

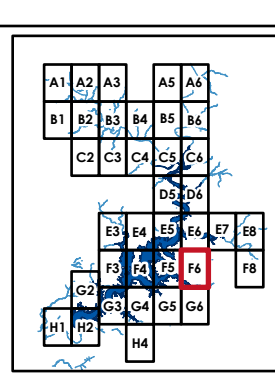


HISTORICAL INUNDATION SCENARIOS

NORTH

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

1 inch = 2,000 feet



MAX INUNDATION

- July 2007
- September 1993
- December 2015
- October 2009
- June 2004

ROAD CLASS

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

MAP NOTES

1. Simulations of historical inflow events use historical starting stage at Pensacola Dam. Pensacola Dam stage during the inflow event is calculated by the Operations Model.
2. See Overview Map for notes on data sources.

Legend

- Railroad
- Stream
- Flowage Easements
- Project Boundary
- GRDA Ownership

PENSACOLA DAM
GRAND RIVER DAM AUTHORITY

MAP: F6

CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2021

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

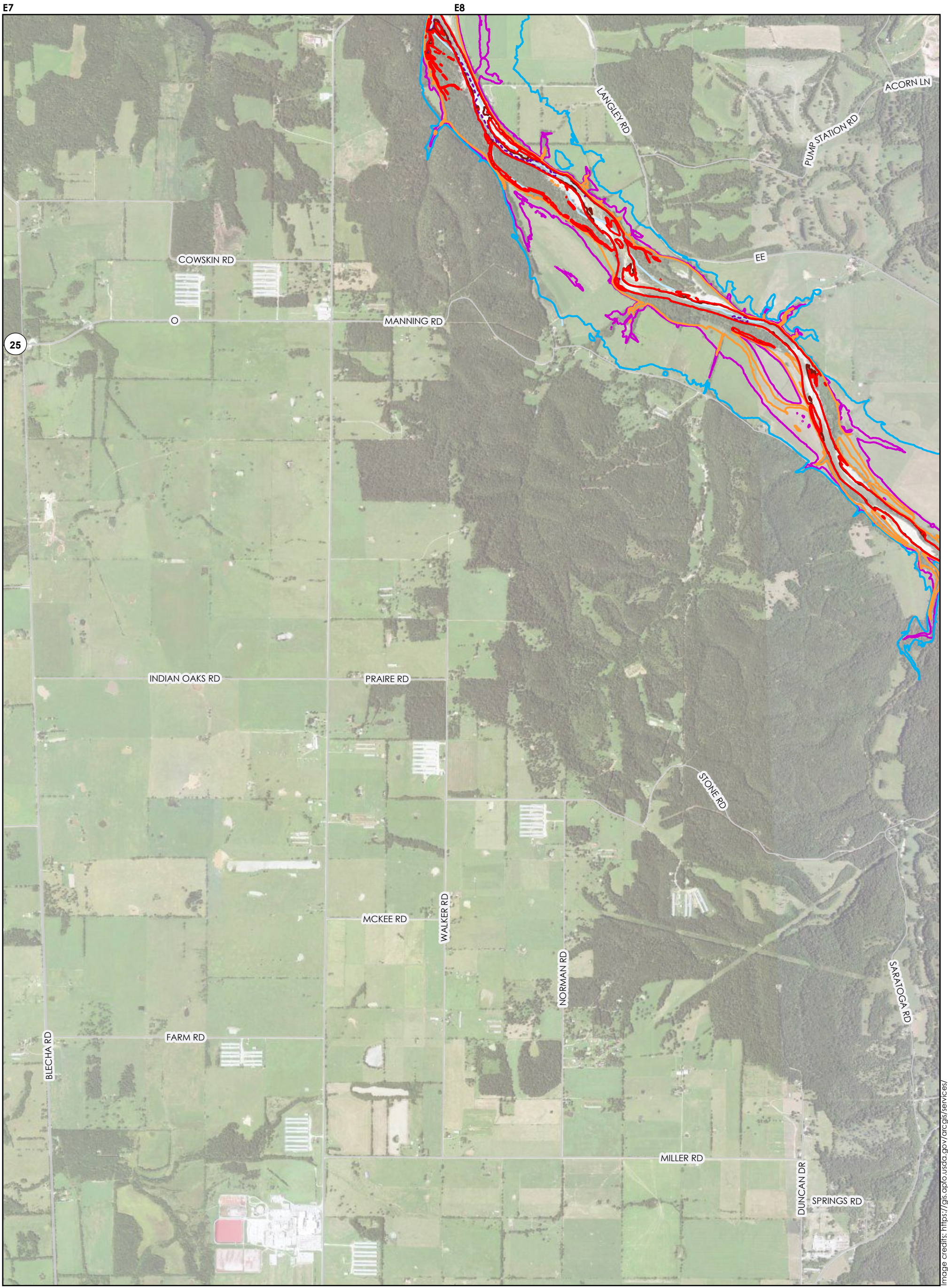
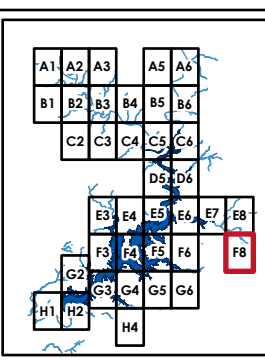
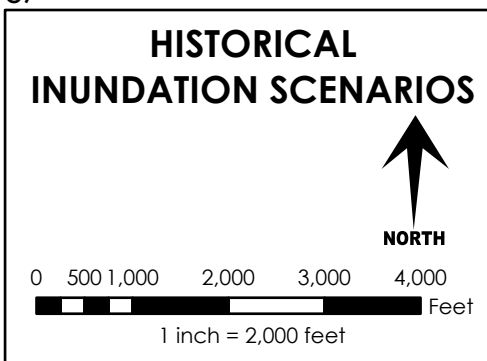


Image credits: https://gis.dplp.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2019



- MAX INUNDATION**
- █ July 2007
 - █ September 1993
 - █ December 2015
 - █ October 2009
 - █ June 2004

- Legend**
- ROAD CLASS**
- Interstate
 - State Highway
 - US Highway
 - Major Collector
 - Local Road
- + Railroad
 - Stream
 - - - Flowage Easements
 - - - Project Boundary
 - █ GRDA Ownership

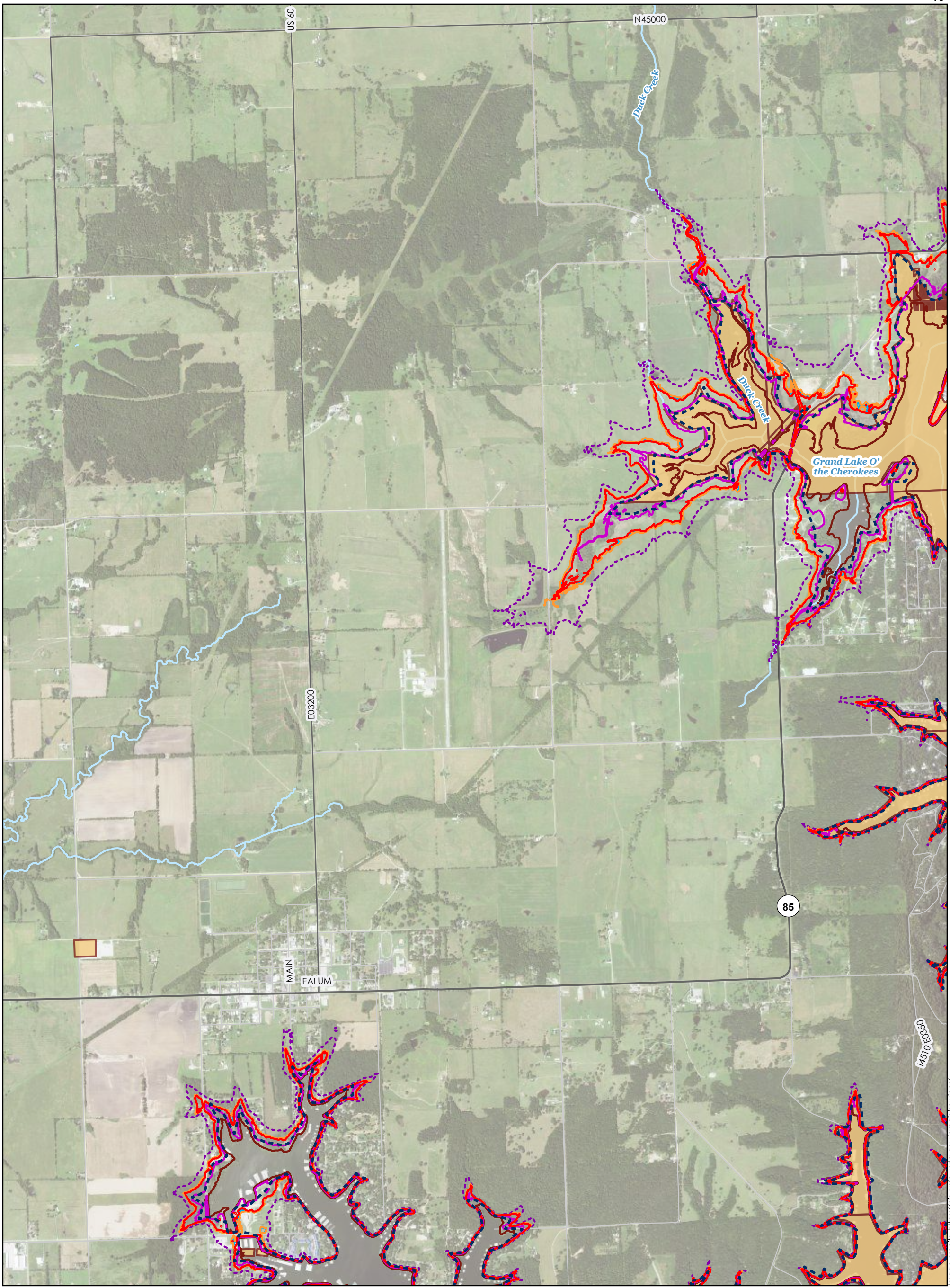
- MAP NOTES**
1. Simulations of historical inflow events use historical starting stage at Pensacola Dam. Pensacola Dam stage during the inflow event is calculated by the Operations Model.
 2. See Overview Map for notes on data sources.

PENSACOLA DAM
GRAND RIVER DAM AUTHORITY

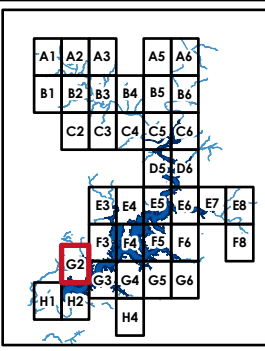
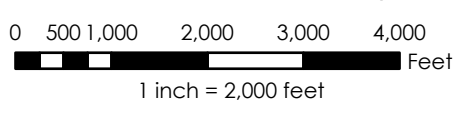
MAP: F8

CRAIG, DELAWARE, MAYES, AND
OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2021



HISTORICAL INUNDATION SCENARIOS



- MAX INUNDATION**
- █ July 2007
 - █ September 1993
 - █ December 2015
 - █ October 2009
 - █ June 2004

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

MAP NOTES

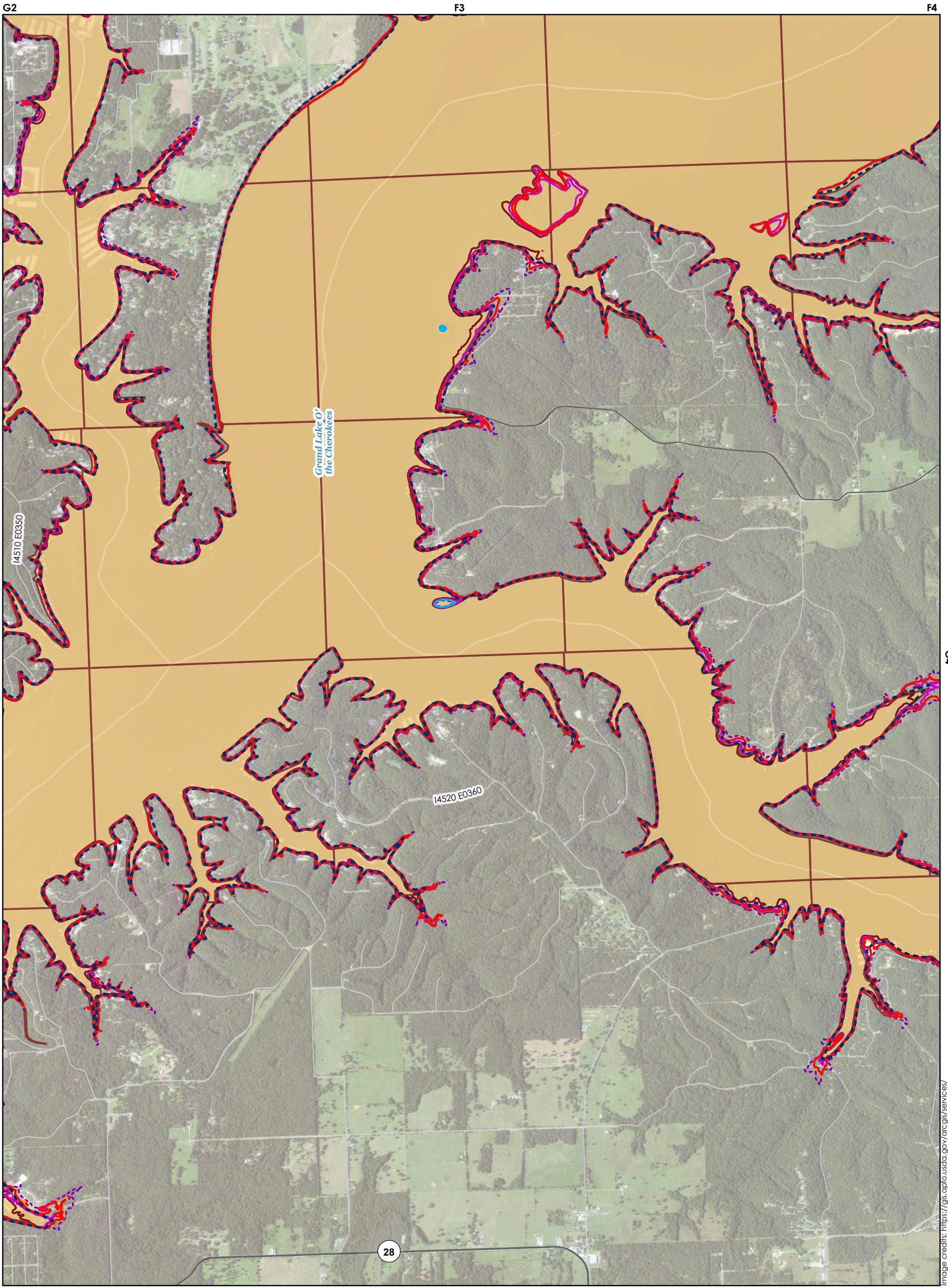
1. Simulations of historical inflow events use historical starting stage at Pensacola Dam. Pensacola Dam stage during the inflow event is calculated by the Operations Model.
2. See Overview Map for notes on data sources.

PENSACOLA DAM GRAND RIVER DAM AUTHORITY

MAP: G2

CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2021

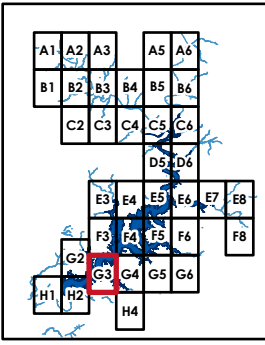
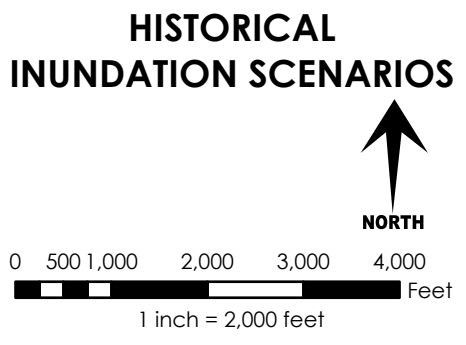


Grand Lake O' the Cherokees

14510 E0350

14520 E0360

28



- MAX INUNDATION**
- July 2007
 - September 1993
 - December 2015
 - October 2009
 - June 2004

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

MAP NOTES

1. Simulations of historical inflow events use historical starting stage at Pensacola Dam. Pensacola Dam stage during the inflow event is calculated by the Operations Model.
2. See Overview Map for notes on data sources.

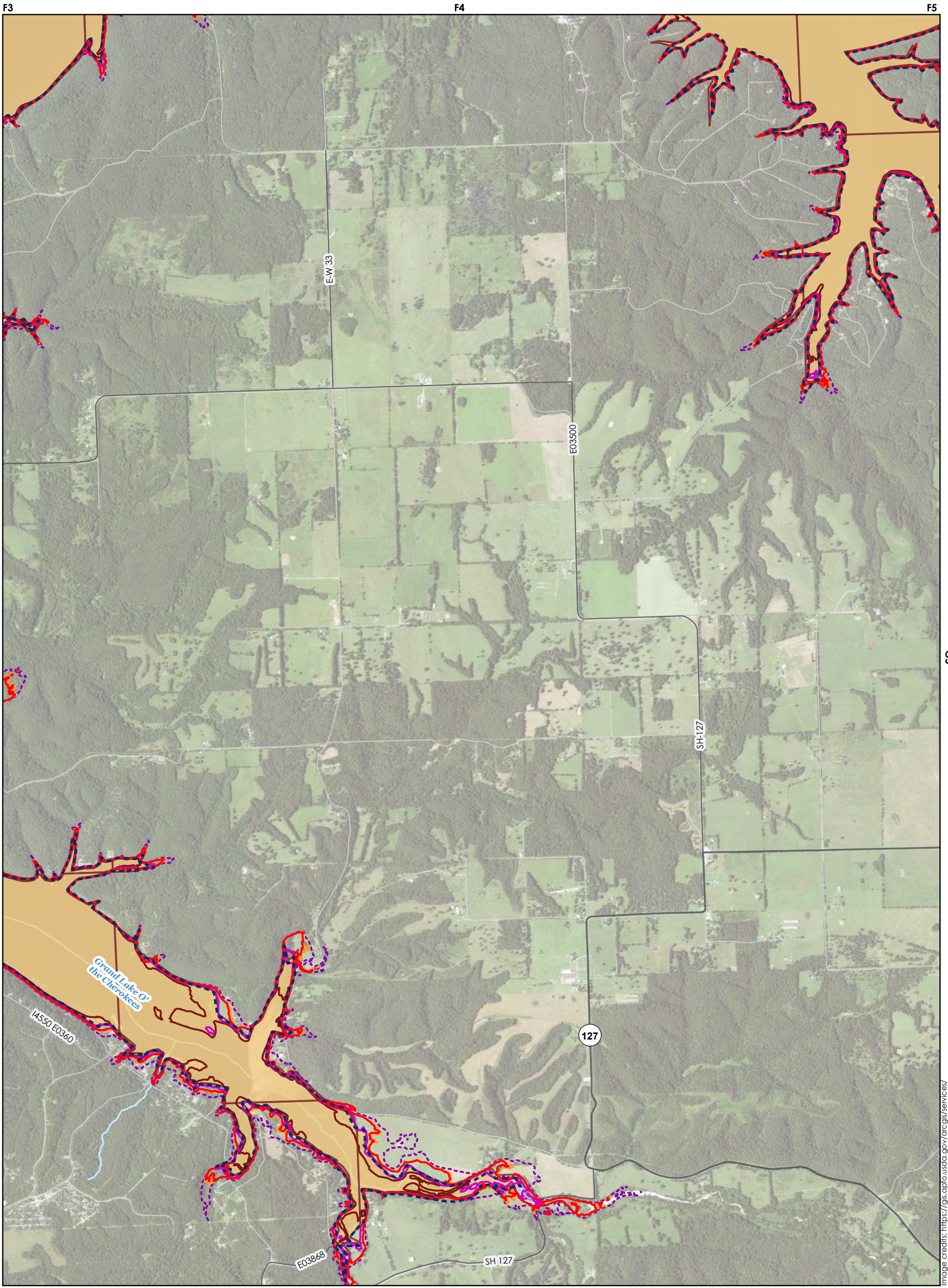
PENSACOLA DAM
 GRAND RIVER DAM AUTHORITY

MAP: G3

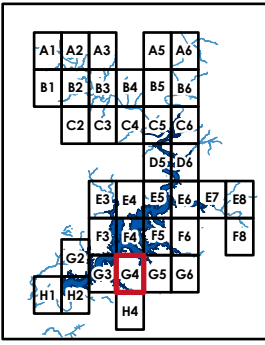
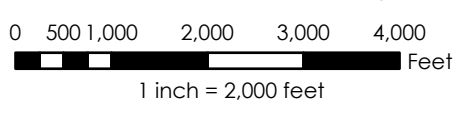
CRAIG, DELAWARE, MAYES, AND
 OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
 September 2021

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



HISTORICAL INUNDATION SCENARIOS



- MAX INUNDATION**
- █ July 2007
 - █ September 1993
 - █ December 2015
 - █ October 2009
 - █ June 2004

- Legend**
- ROAD CLASS**
- Interstate
 - State Highway
 - US Highway
 - Major Collector
 - Local Road
- + Railroad
 - Stream
 - - - Flowage Easements
 - - - Project Boundary
 - █ GRDA Ownership

MAP NOTES

1. Simulations of historical inflow events use historical starting stage at Pensacola Dam. Pensacola Dam stage during the inflow event is calculated by the Operations Model.
2. See Overview Map for notes on data sources.

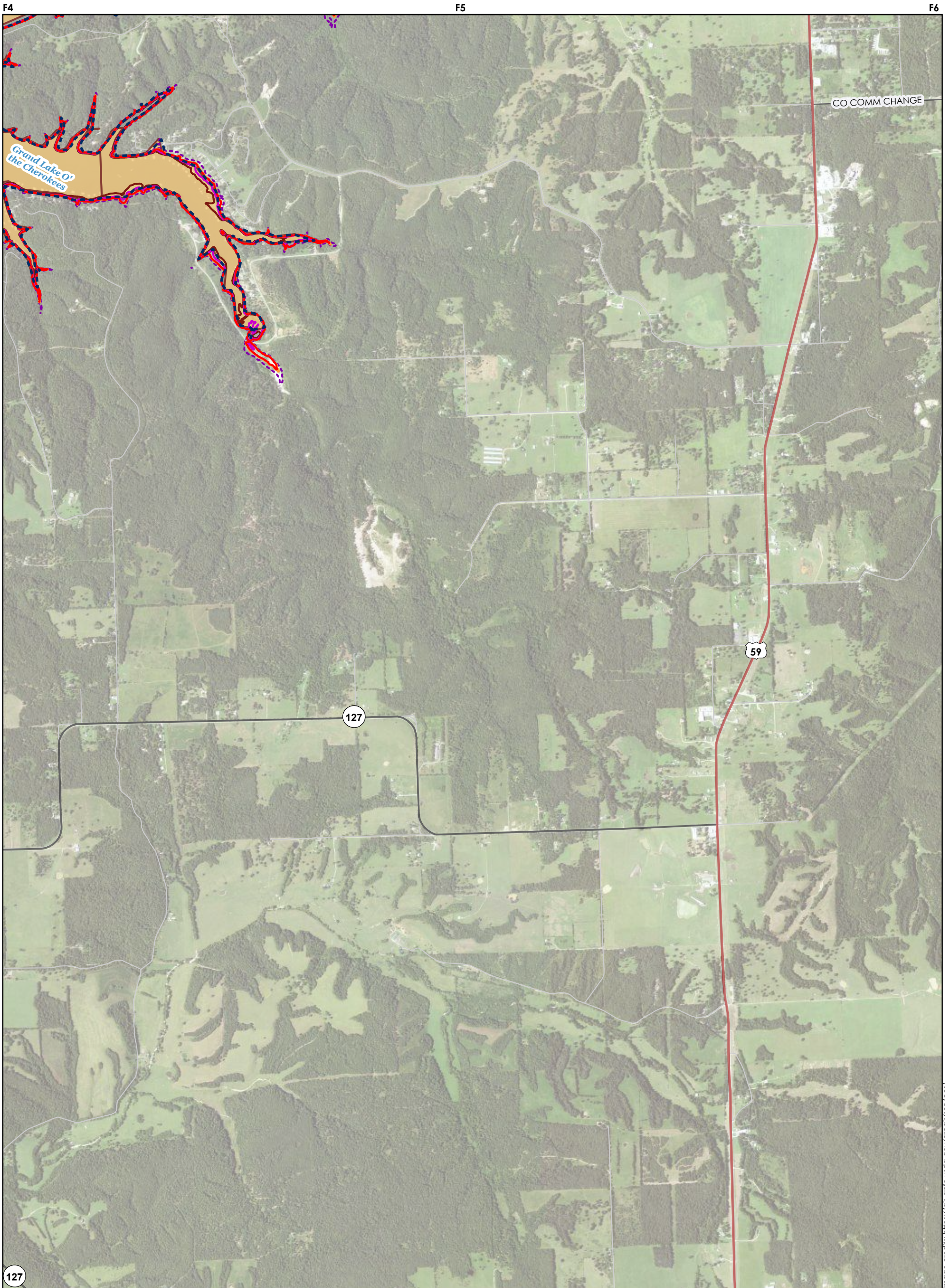
PENSACOLA DAM GRAND RIVER DAM AUTHORITY

MAP: G4

CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2021

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

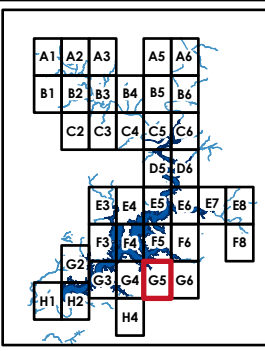


HISTORICAL INUNDATION SCENARIOS

NORTH

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

1 inch = 2,000 feet



- MAX INUNDATION**
- July 2007
 - September 1993
 - December 2015
 - October 2009
 - June 2004

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

MAP NOTES

1. Simulations of historical inflow events use historical starting stage at Pensacola Dam. Pensacola Dam stage during the inflow event is calculated by the Operations Model.
2. See Overview Map for notes on data sources.

PENSACOLA DAM
GRAND RIVER DAM AUTHORITY

MAP: G5

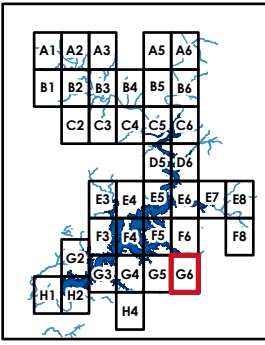
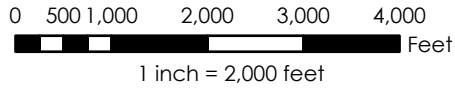
CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2021

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



HISTORICAL INUNDATION SCENARIOS



- MAX INUNDATION**
- █ July 2007
 - █ September 1993
 - █ December 2015
 - █ October 2009
 - █ June 2004

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

MAP NOTES

1. Simulations of historical inflow events use historical starting stage at Pensacola Dam. Pensacola Dam stage during the inflow event is calculated by the Operations Model.
2. See Overview Map for notes on data sources.

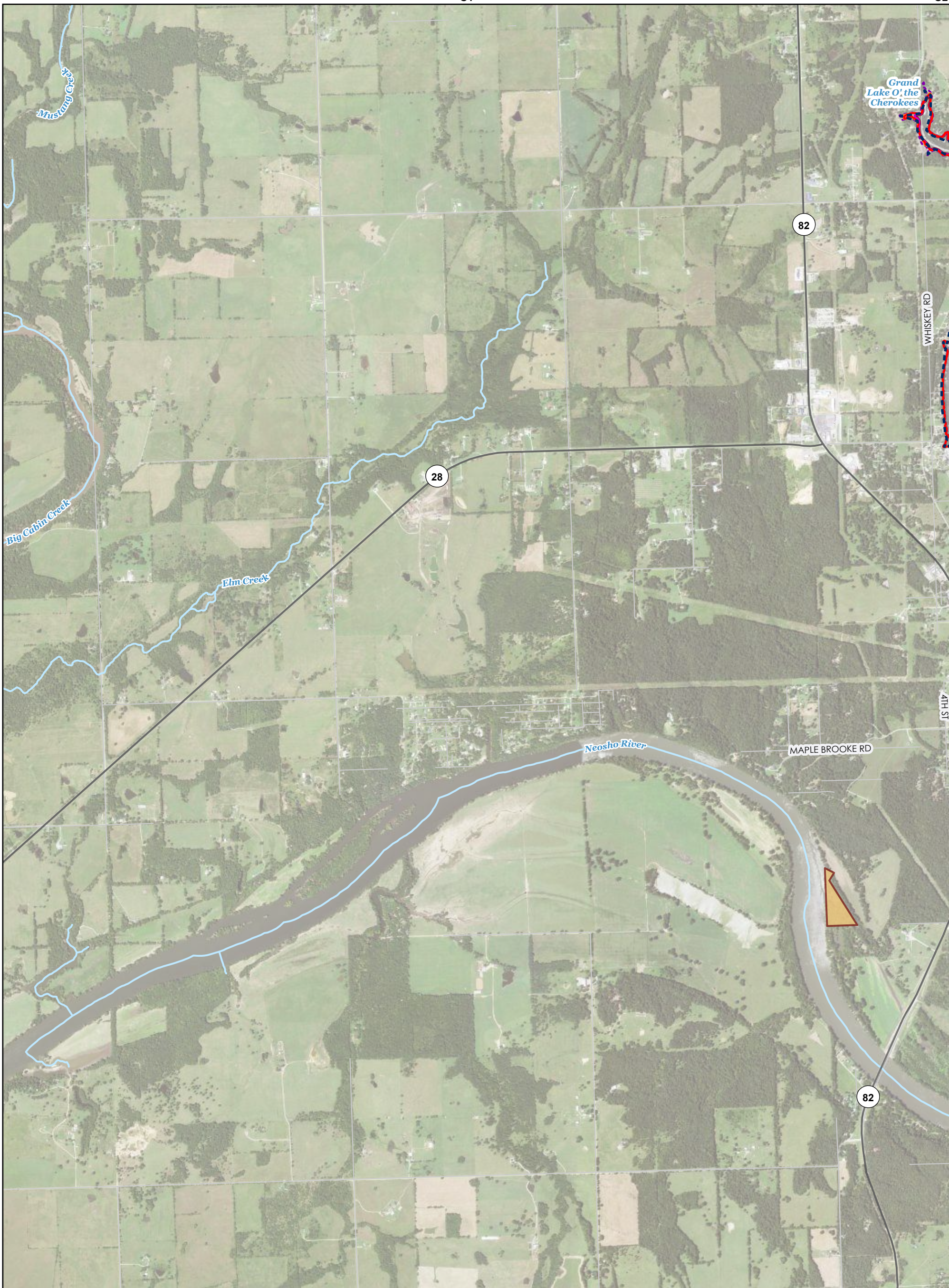
PENSACOLA DAM GRAND RIVER DAM AUTHORITY

MAP: G6

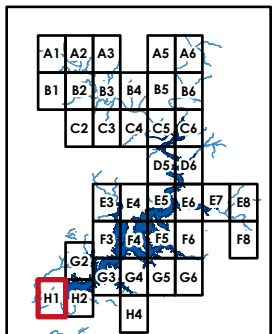
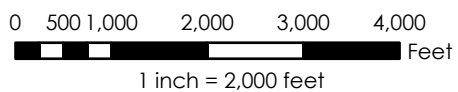
CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2021

Image credits: https://gis.dpl.o.usda.gov/arcgis/services/NAIP/USDA_CONUS_PRIME/ImageServer, 2014



HISTORICAL INUNDATION SCENARIOS



MAX INUNDATION

- July 2007
- September 1993
- December 2015
- October 2009
- June 2004

Legend

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

MAP NOTES

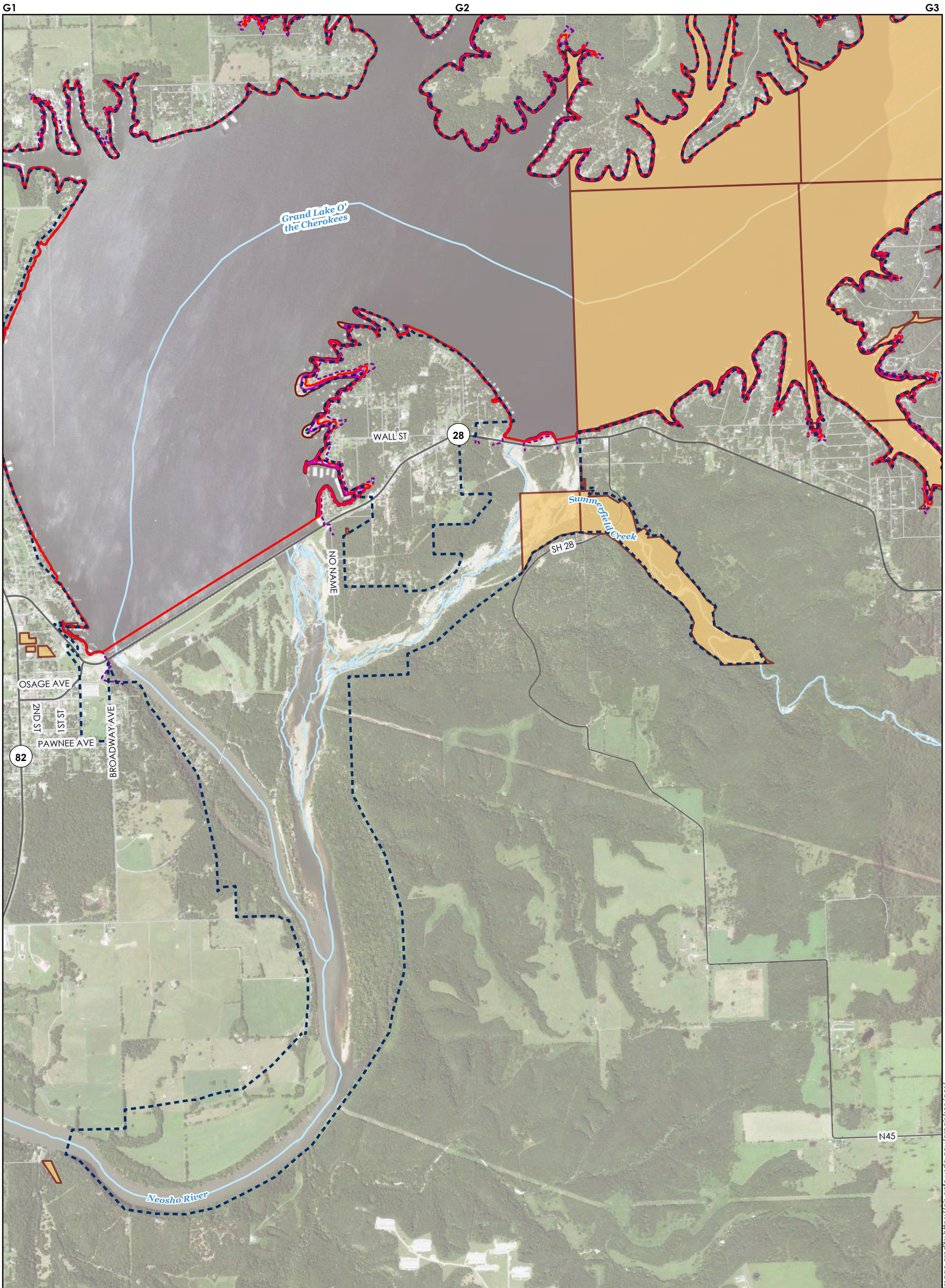
1. Simulations of historical inflow events use historical starting stage at Pensacola Dam. Pensacola Dam stage during the inflow event is calculated by the Operations Model.
2. See Overview Map for notes on data sources.

PENSACOLA DAM GRAND RIVER DAM AUTHORITY

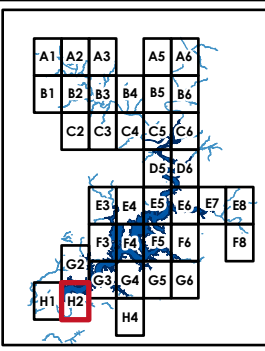
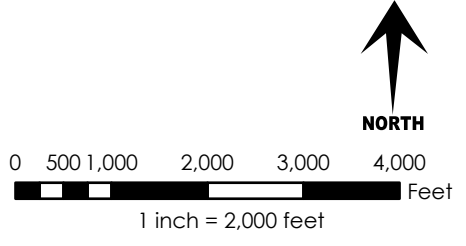
MAP: H1

CRAIG, DELAWARE, MAYES, AND OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2021



HISTORICAL INUNDATION SCENARIOS



- MAX INUNDATION**
- █ July 2007
 - █ September 1993
 - █ December 2015
 - █ October 2009
 - █ June 2004

- Legend**
- ROAD CLASS**
- Interstate
 - State Highway
 - US Highway
 - Major Collector
 - Local Road
- + Railroad
 - Stream
 - - - Flowage Easements
 - - - Project Boundary
 - █ GRDA Ownership

MAP NOTES

1. Simulations of historical inflow events use historical starting stage at Pensacola Dam. Pensacola Dam stage during the inflow event is calculated by the Operations Model.
2. See Overview Map for notes on data sources.

PENSACOLA DAM
GRAND RIVER DAM AUTHORITY

MAP: H2

CRAIG, DELAWARE, MAYES, AND
OTTAWA COUNTIES, OKLAHOMA

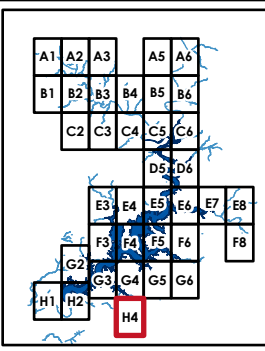
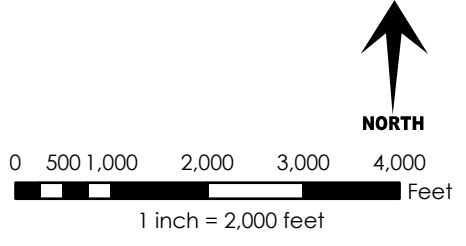
FERC No. 1494
September 2021

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HISTORICAL INUNDATION SCENARIOS



- MAX INUNDATION**
- July 2007
 - September 1993
 - December 2015
 - October 2009
 - June 2004

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

MAP NOTES

1. Simulations of historical inflow events use historical starting stage at Pensacola Dam. Pensacola Dam stage during the inflow event is calculated by the Operations Model.
2. See Overview Map for notes on data sources.

PENSACOLA DAM
GRAND RIVER DAM AUTHORITY

MAP: H4

CRAIG, DELAWARE, MAYES, AND
OTTAWA COUNTIES, OKLAHOMA

FERC No. 1494
September 2021