

An aerial photograph showing a vast expanse of floodwater. A long, straight road or levee runs through the center of the image, flanked by trees and vegetation. In the far distance, a city skyline is visible under a clear sky. The water is a deep blue-grey color, and the overall scene conveys the scale of the flooding.

# Flood Risk and Mapping Projects in Nebraska

# Nebraska Floodplain Mapping Update

NeDNR's Efforts to Provide  
Updated Flood Risk Data  
throughout the State

# NeDNR's Floodplain Management Division

- The Floodplain Management Division's mission is to prevent loss of life and damage to property in Nebraska due to flooding.
- This is done by coordinating an overall Floodplain Management Program aimed at addressing the wise use of land that is subject to flooding.



Ice Jam January 2015  
Platte River near Yutan  
Photo courtesy of P-MRNRD

# Responsibilities

- Provide floodplain management technical assistance to local, state and federal agencies.
- Provide state coordination for the National Flood Insurance Program (NFIP).
- Identify and delineate floodplains and floodways.
- Provide technical assistance for the development of local flood hazard mitigation plans.
- Administer FEMA's Flood Mitigation Assistance Grant.



Wahoo Flooding 1963

# Staffing

- 17 staff members:
  - 6 Engineers (1 vacancy)
  - 5 GIS Technicians
  - 3 Outreach Coordinators
  - 2 NFIP Specialists
  - 1 Administrative Assistant
- 5 staff members primarily work on NFIP coordination, outreach, and technical assistance. (2 vacancies)
- **10 staff members primarily work on mapping (1 vacancy).**
- 2 staff members split their time between the two.



Kenesaw Flooding 1967

# Floodplain Mapping


- NeDNR completes mapping through the Cooperating Technical Partners (CTP) Program with the Federal Emergency Management Agency (FEMA).
- As a CTP, NeDNR is required to complete a multi-year Business Plan each year to show mapping priorities for the future.



May 2015  
Little Blue River near Hebron


# State Mapping Priorities

NeDNR, by state statute, prioritizes mapping needs based on the following:

- Potential for future development;
  - Potential for flood damage or loss of life;
  - Probability that adequate data and maps will be prepared within a reasonable time by other sources;
  - Availability and adequacy of any existing maps;
  - Availability of flood data and other information necessary to produce adequate maps; and
  - Degree of interest shown by the local governments in the area in utilizing flood data and maps in an effective floodplain management program.
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# FEMA Mapping Priorities

FEMA has a commitment to the following as part of their mapping program:

- Address gaps in flood hazard and flood risk data to form a solid foundation for flood risk assessments, floodplain management, and actuarial soundness of the National Flood Insurance Program;
  - Consult with, and empower, communities to measurably reduce current and future flood risk;
  - Lead and support states, local, and tribal communities to effectively engage in risk-based mitigation planning resulting in sustainable actions that reduce or eliminate risks to life and property from natural hazards;
  - Provide a sustainable and modern IT portfolio that optimizes delivery of flood hazard and flood risk data, helping customers reduce current and future risks to life and property;
  - Support enhanced risk reduction decision-making by aligning Risk MAP delivery with the Whole Community through customer-centric engagement and products.
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# Additional Considerations

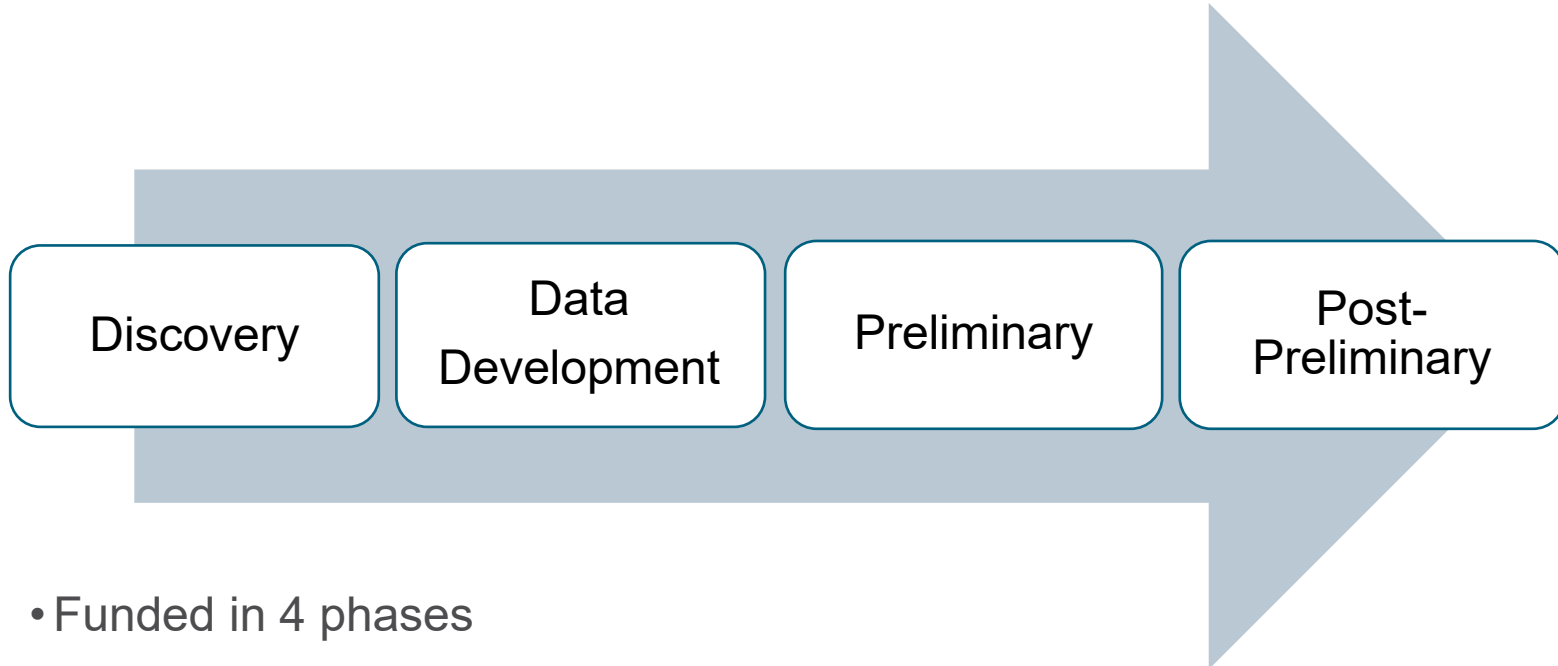
NeDNR also considers:

- Finishing active projects.
- Utilizing updated technologies.
- Locations of recent floods.
- Providing uniform, easy to use data.



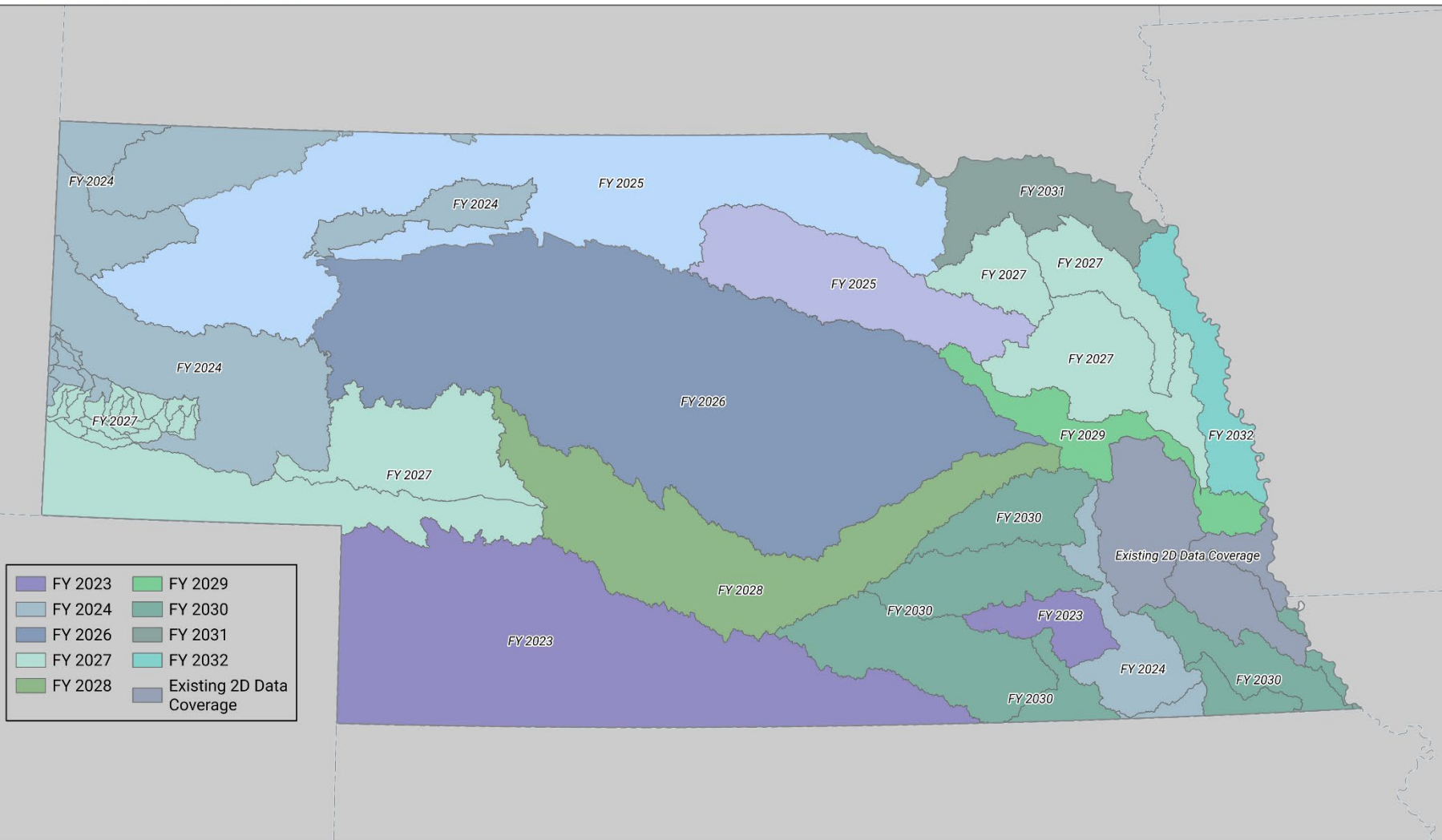
June 2010  
Platte River Confluence with Missouri River  
Photo courtesy of Lower Elkhorn NRD

# Risk MAP Timeline



- Funded in 4 phases
- Timeline is approximately 4.5 to 5 years from start to finish.
- Post-Preliminary steps are required whenever the Floodplain or Floodway boundaries are changed.
- Post-Preliminary steps are required for Physical Map Revisions (PMRs), Letter of Map Revisions (LOMRs), Risk MAP Projects, and Paper Inventory Reduction (PIR) Projects.

# Floodplain Management 2D Coverage FY 2023 to FY 2032

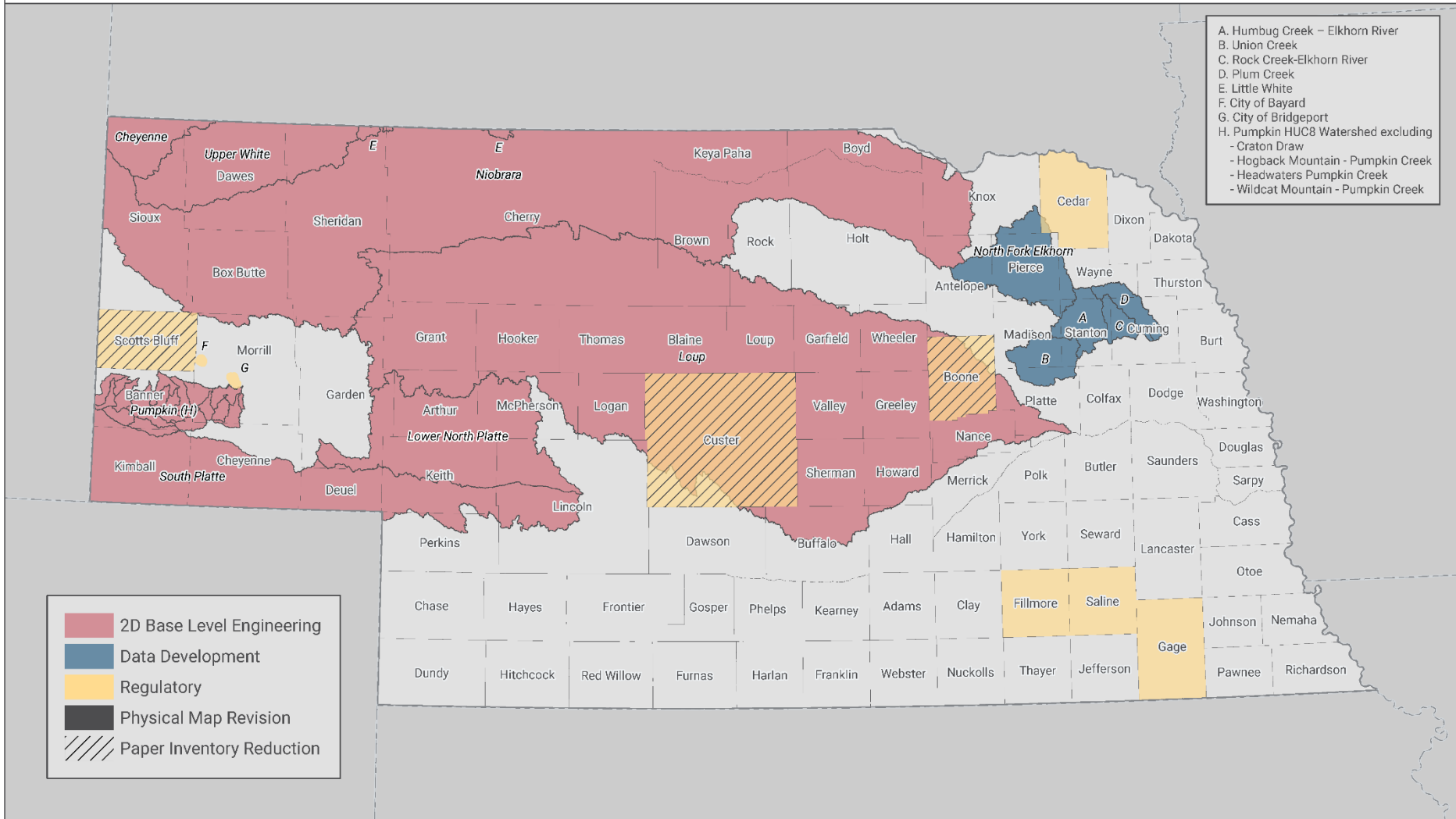




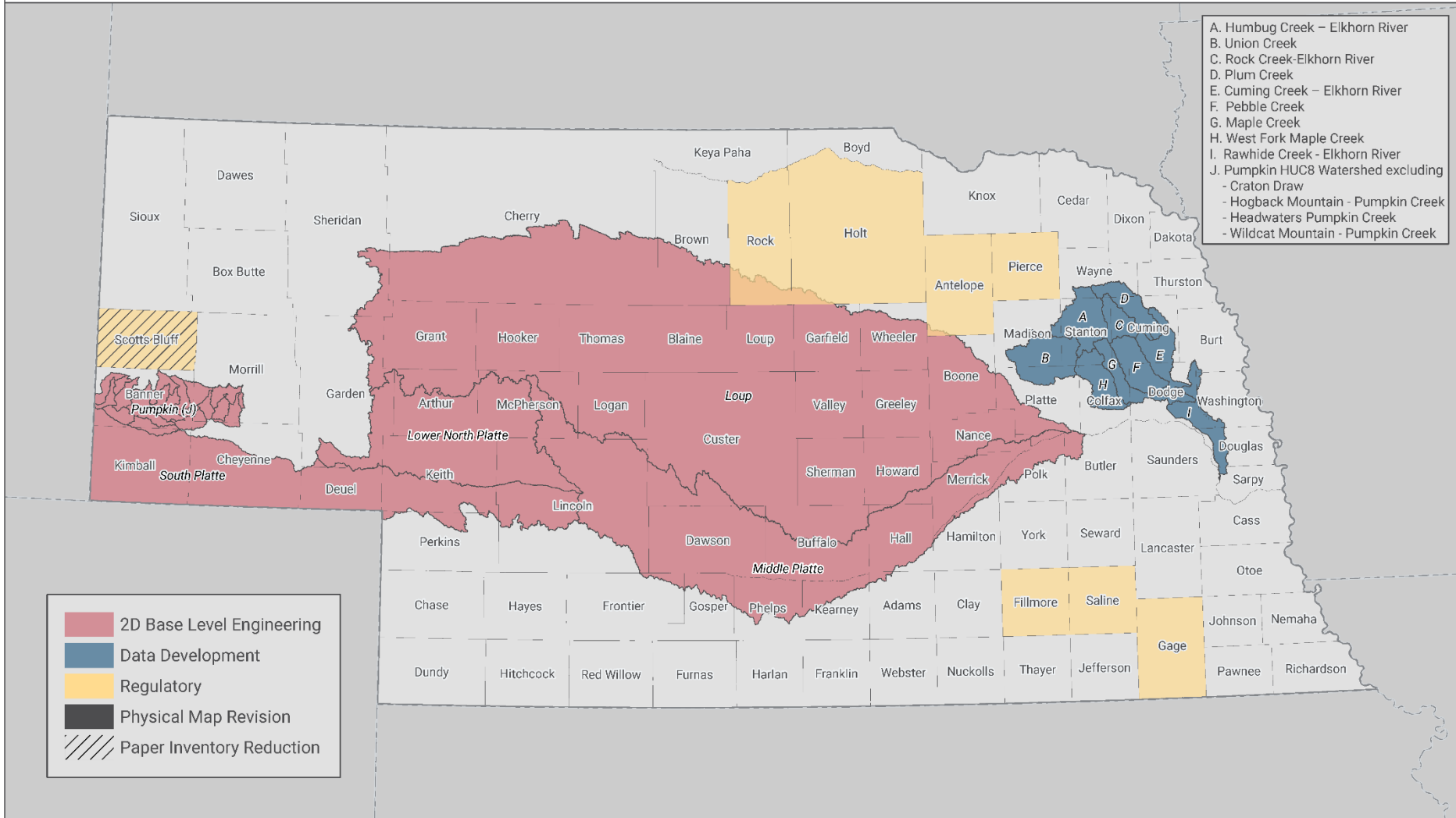




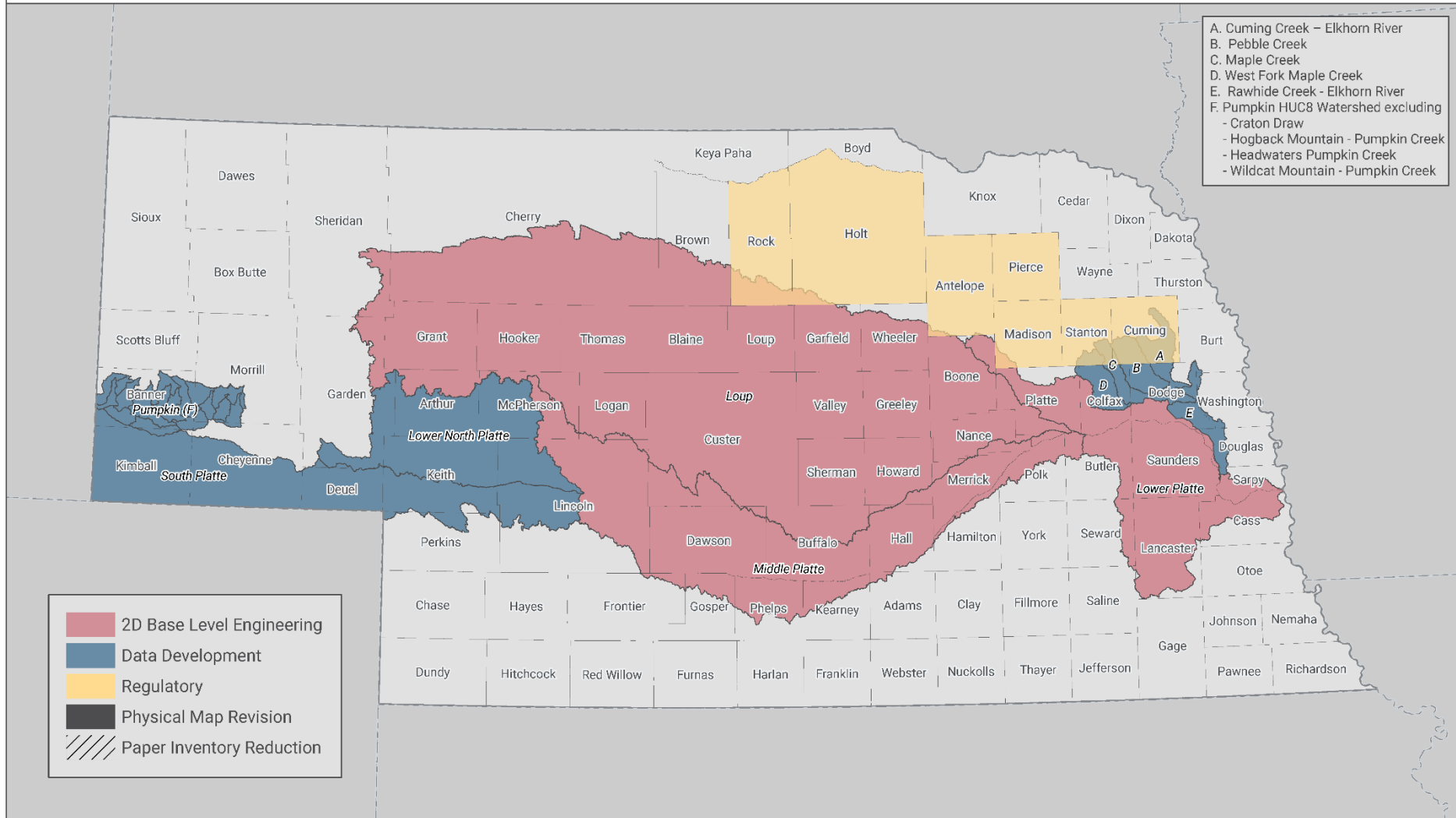
# Floodplain Management Proposed and Ongoing Projects in FY 2027



# Floodplain Management Proposed and Ongoing Projects in FY 2028



# Floodplain Management Proposed and Ongoing Projects in FY 2029





# Contacts

**Jamie Reinke, PE, CFM**

Division Manager

[jamie.reinke@nebraska.gov](mailto:jamie.reinke@nebraska.gov)

(402) 471-3957

**Elijah Kaufman, CFM**

State NFIP Coordinator

[elijah.kaufman@nebraska.gov](mailto:elijah.kaufman@nebraska.gov)

(402) 471-0640

**Erin Wendt**

Outreach & NFIP Specialist

[erin.wendt@nebraska.gov](mailto:erin.wendt@nebraska.gov)

(402) 471-0572

**Anna Crist**

Outreach & NFIP Specialist

[anna.crist@nebraska.gov](mailto:anna.crist@nebraska.gov)

(531) 510-2320