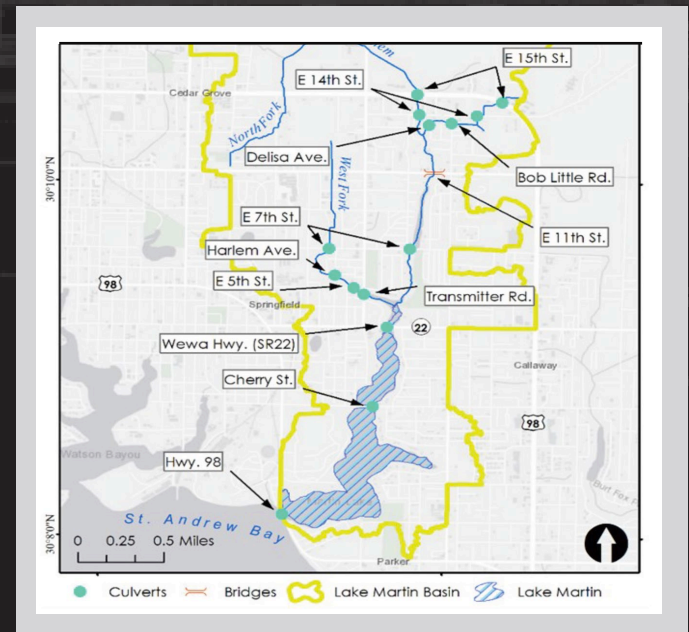


FROM PLANNING WITH USACE TO IMPLEMENTATION WITH OTHERS

Stephanie Bray, NFRMP & FPMS PM
Karl Kerr, NAB
Kim Warshaw, MVP

JULY 13, 2023
3:45-4:45 PM EDT



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FEDERAL FLOOD RISK MANAGEMENT RESOURCES DATABASE

Stephanie Bray
National NFRMP and FPMS Program Manager



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Flood Risk
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RESOURCES

Flood Risk Management

RESOURCES

Use this web tool to search for federal flood risk management resources. Filter by applicant type, flood risk lifecycle phase, assistance type, and/or federal agency.

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Keyword Search

WHO ARE YOU SEEKING ASSISTANCE FOR?

- Business
- Individual/Household
- Local Government
- State Government
- Tribal

WHAT PHASE AND/OR ASSISTANCE TYPE APPLIES?

Select Phase(s)

- Preparing for Flood Response
- Recovering from a Flood
- Reducing Flood Risk (Mitigation)
- Responding to Current Flooding

Select Assistance Type(s)

- Data & Tools
- Financial Assistance
- Technical Assistance

Filter by Agency

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Relevant Resources

13 relevant resources:

• **Building Resilient Infrastructure and Communities (BRIC) (FEMA)**

Federal Emergency Management Agency

Building Resilient Infrastructure and Communities (BRIC) will support states, local communities, tribes and territories as they undertake hazard mitigation projects, reducing the risks they face from disasters and natural hazards. BRIC is a new FEMA pre-disaster hazard mitigation program that replaces the existing Pre-Disaster Mitigation (PDM) program. The BRIC program guiding principles are supporting communities through capability- and capacity-building; encouraging and enabling innovation; promoting partnerships; enabling large projects; maintaining flexibility; and providing consistency.

• **Continuing Authorities Program (USACE)**

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Authorizes feasibility study and construction for relatively small projects; usually requires no further congressional authorization to proceed to construction. *Emergency Stream Bank and Shoreline Protection (Section 14, Flood Control Act of 1946, as amended) - Allows emergency stream bank and shoreline

?????QUESTIONS?????

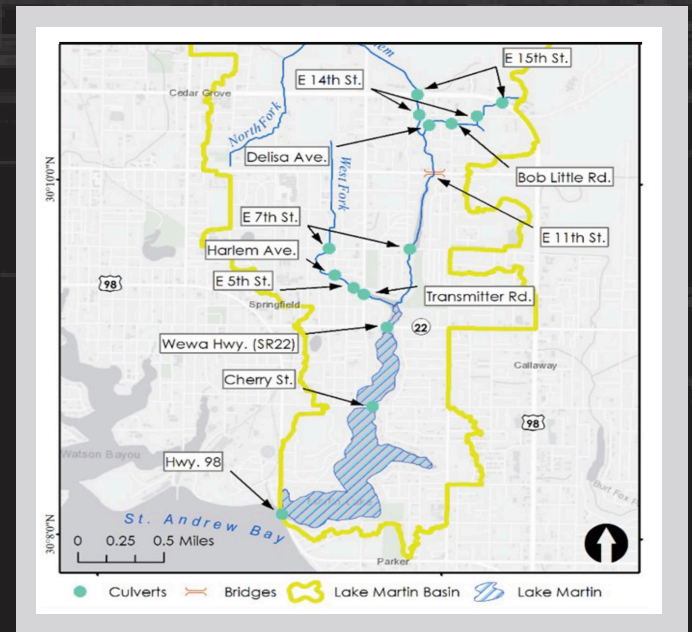


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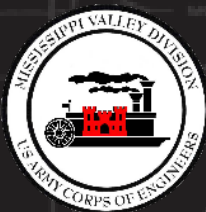
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PENNSYLVANIA MITIGATION PROGRAM GUIDE

Karl Kerr, NAB



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VALLEY BRANCH WATERSHED DISTRICT FLOOD MITIGATION PLANNING STUDY

Background:

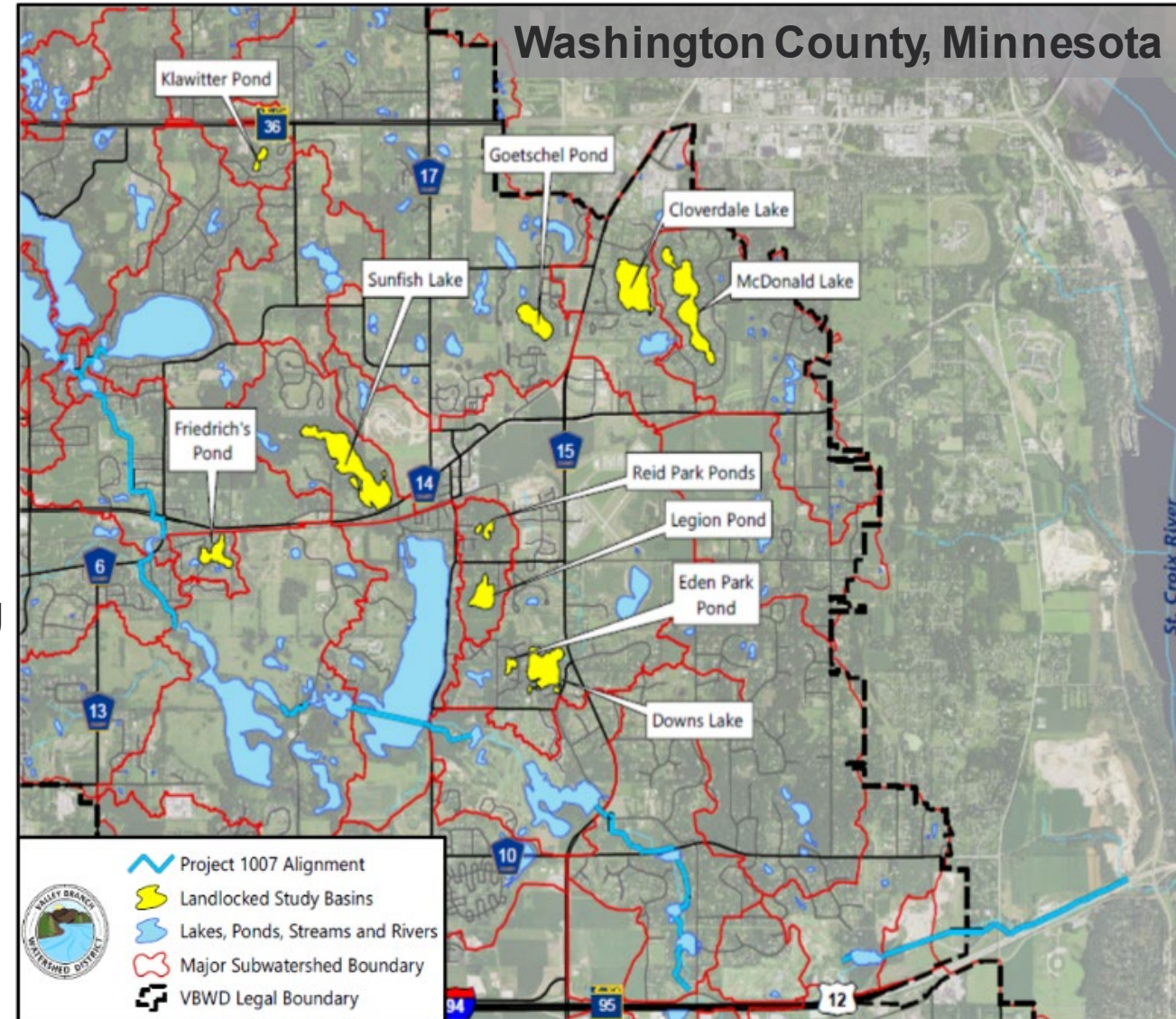
- Study area includes nine landlocked basins in Lake Elmo, MN
- Some waterbodies have excessive nutrients
- 2010-2020 is the wettest on record in county since 1891, resulting in record water levels in the VBWD
- Required emergency pumping to protect homes, roadways and sewage systems

Purpose:

- Assess cost-benefit of water level management options for nine landlocked basins at risk for flooding
- Identify and assess alternatives to manage high-water conditions to protect critical infrastructure

Goal:

- For the sponsor to recommend the high-water level management strategy for each basin based on this analysis



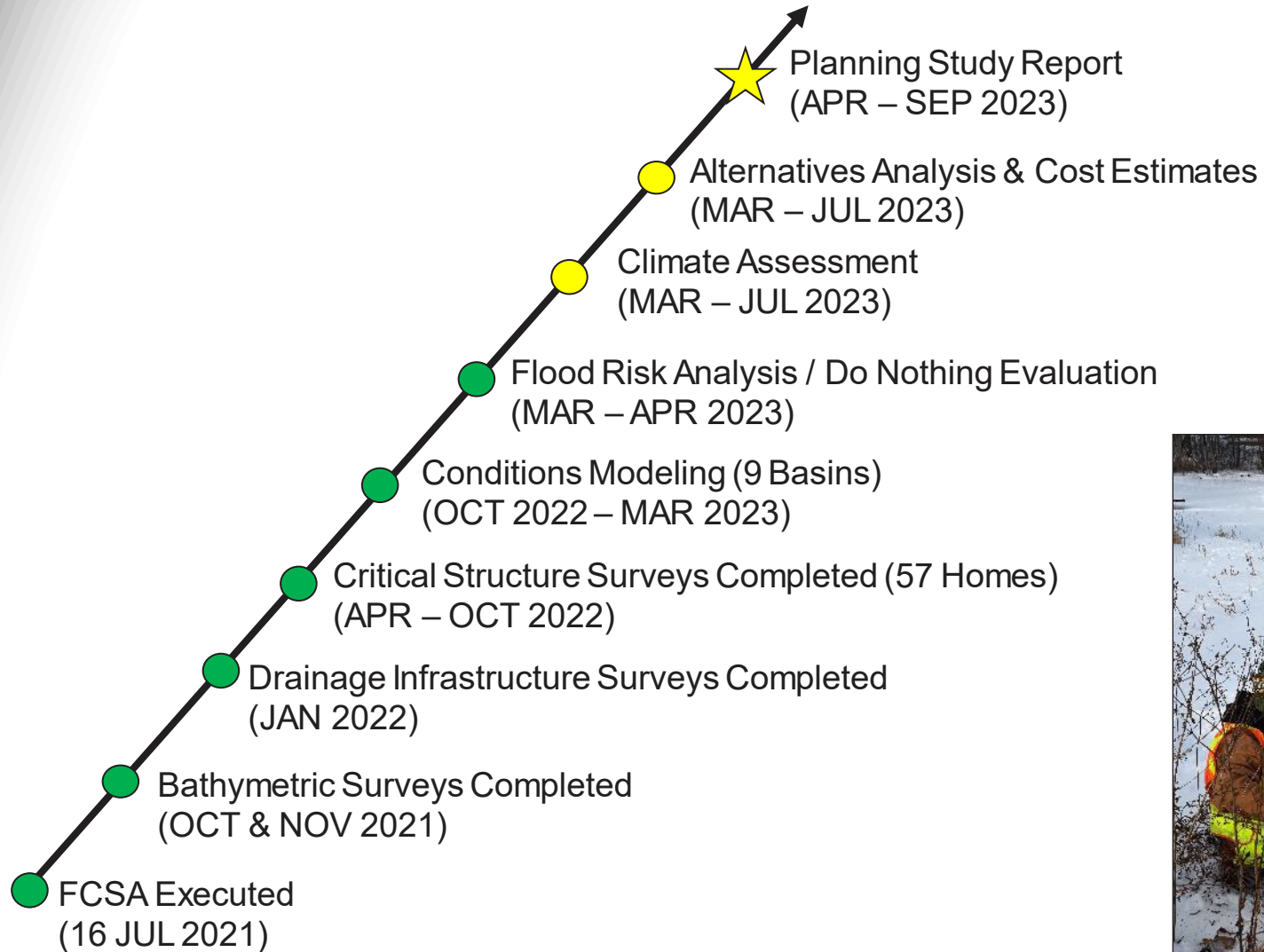


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STUDY OVERVIEW & STATUS

Progress



Requirements:

- Evaluate without-project conditions to establish baseline of damages if no actions are taken
- Identify up to three alternatives including a combination of proposed pumped outlets and nonoutlet from the basins
- Alternatives
 - Develop planning-level costs
 - Summarize water quality benefits and impacts



MVP Survey Team completing Drainage Infrastructure Surveys (January 2022)



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WAY AHEAD

84

- Ongoing stakeholder engagement to determine recommended alternatives to continue through report completion in September 2023
- Depending on the recommended alternative, VBWD could pursue:
 - MnDNR Flood Damage Reduction Grants
 - Minnesota Pollution Control Agency Grants
 - Minnesota Board of Water and Soil Resources Grants

Project Sponsor: “Having a comprehensive study like this to support a recommended solution helps with pursuing and securing grant funding for project implementation.”

