



OWR Activities & Projects in the Fox River Watershed

FRSG Annual Meeting 2025



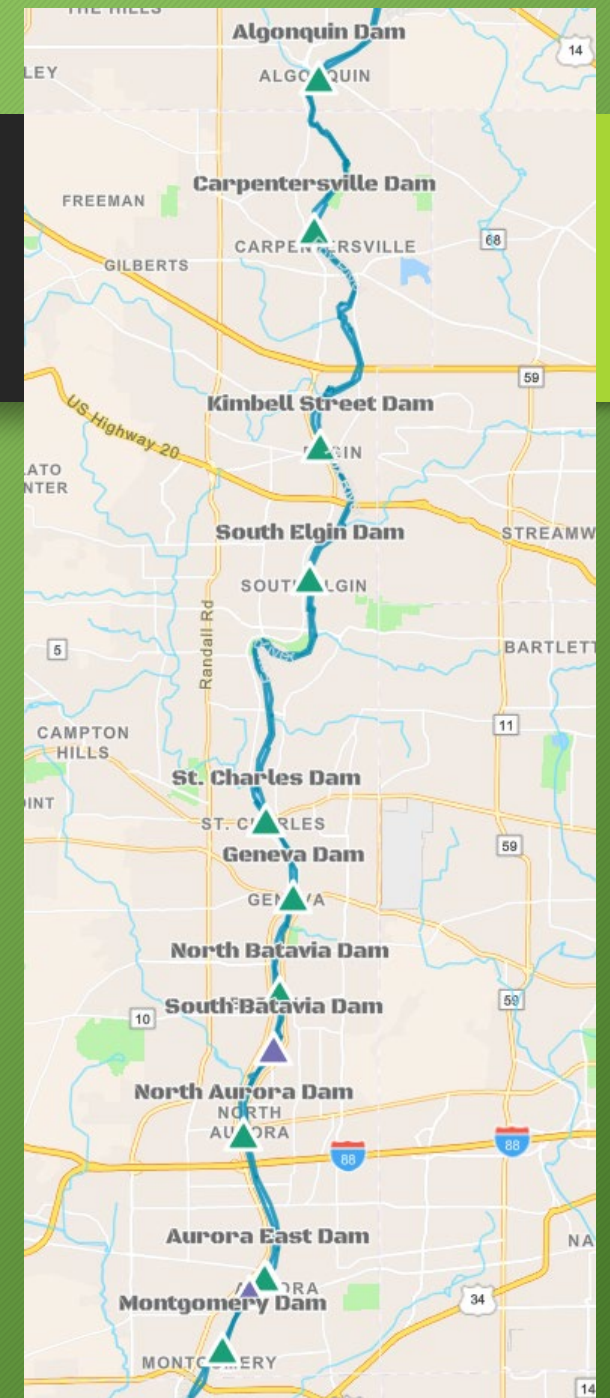
Tasks since last year

- Brief Overview
- Carpentersville
- North Aurora
- Montgomery
- General 519 Work
- Moving Forward
- FAQ's



Fox River Dams - Status

Name	River Mile	Removal Status
Stratton	98.9	<i>Not Being Considered</i>
Algonquin	82.6	<i>Not Being Considered</i>
Carpentersville	78.8	Removed Fall 2024
Elgin	71.9	Under Consideration
South Elgin	68.2	Under Consideration
St. Charles	60.6	Under Consideration
Geneva	58.7	Under Consideration
North Batavia	56.3	Under Consideration
North Aurora	52.6	<i>Report Published, Dec. Meeting</i>
Aurora	48.9	Under Consideration
Montgomery	46.8	<i>Report Under Internal Review</i>
Yorkville	36.5	<i>Modified w/ Bypass</i>
Dayton	5.1	<i>Not Being Considered</i>



Top Priorities

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Dam	River	Dam Owner	Left Abutment Owner	Right Abutment Owner
Hofmann	Des Plaines	State	City of Riverside	State
Algonquin	Fox	State	State	State
Aurora East	Fox	State	Undetermined	Undetermined
Aurora West	Fox	Aurora/Private	Private	Aurora
Carpentersville	Fox	Kane County FPD/Private	Private (Trust)	Kane County FPD
Dayton	Fox	North American Hydro	Undetermined	Undetermined
Elgin Kimball Street	Fox	Elgin and R.R.	Elgin	Railroad
Geneva	Fox	State	State	State
Montgomery	Fox	State	State	State
North Aurora	Fox	State	Fox Valley Park District	Fox Valley Park District
North Batavia	Fox	Batavia/Private	Private	Batavia
South Elgin	Fox	State	State	Private
St. Charles	Fox	State	City of St. Charles	Private
Stratton L & D	Fox	State	State	State
Yorkville	Fox	State	State	State
Kankakee	Kankakee	State	State	State
Momence	Kankakee	Momence	Private	Momence
Wilmington	Kankakee	Private/ Wilmington	Private	City of Wilmington
Wilmington Mill Race	Kankakee	Wilmington	City of Wilmington	City of Wilmington
Belvidere	Kishwaukee	State	State	State
Dixon	Rock	STS Hydropower	STS Hydropower	STS Hydropower
Fordham	Rock	Exelon Corp	Undetermined	Exelon Corp
Oregon	Rock	State	Oregon Park District	Oregon
Rockton Powerhouse	Rock	North American Hydro	Undetermined	North American Hydro
Sears	Rock	State	State	State
Sinnissippi	Rock	State	State	State
Steel	Rock	State	State	State
Sterling Lower	Rock	Sterling and Coloma Park District	Coloma Township Park District	Sterling Park District
Petersburg	Sangamon	Petersburg/Private	Petersburg	Private
Bernadotte	Spoon	Bernadotte	Undetermined	Undetermined
Cement Plant	Vermilion (Illinois)	Private	Private	Private
Danville	Vermilion (Wabash)	Danville/Private	Private	Danville

Carpentersville

- Dam Notching 9/20/24
- Construction Completion Early Nov 2024
- Vegetated banks by summer 2025



Fall 2024 vs Fall 2025

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Current view

7



Beginning of Growing Season vs End of the Growing Season



Slow moving sediment

9



Low Flow Year

10

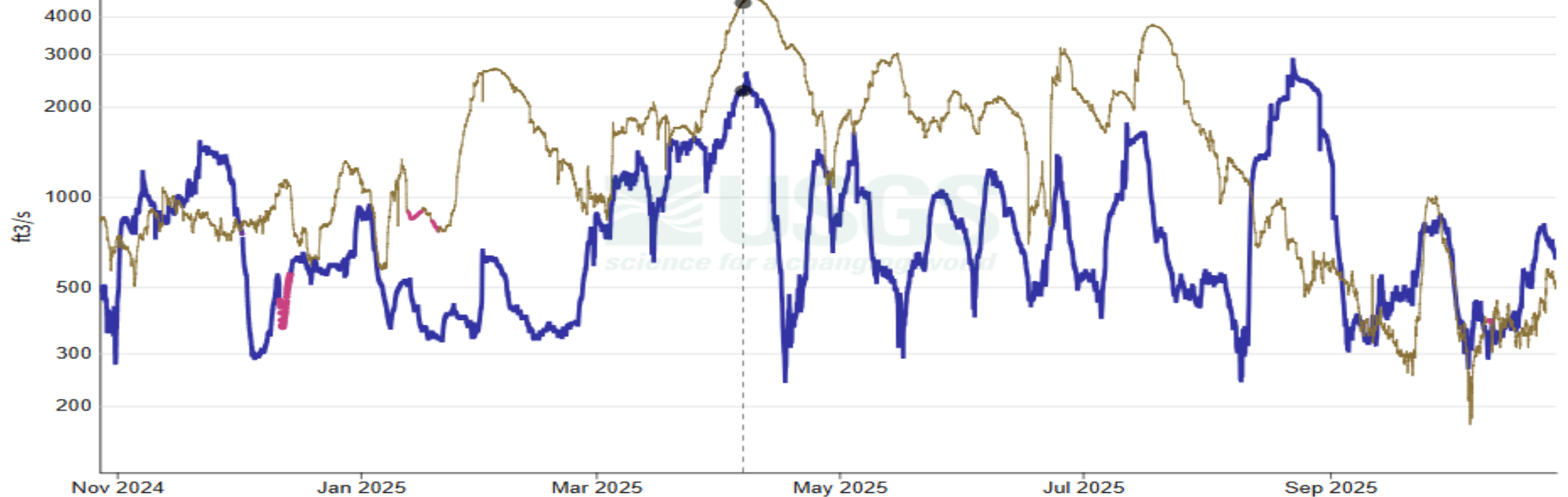
Fox River (Tailwater) at Algonquin, IL - USGS-05550001

[Subscribe to WaterAlerts](#)

October 27, 2024 - October 27, 2025
Discharge, cubic feet per second (DOWNSTREAM TAILWATER)

2260 ft³/s - Apr 06, 2025 09:45:00 PM CDT

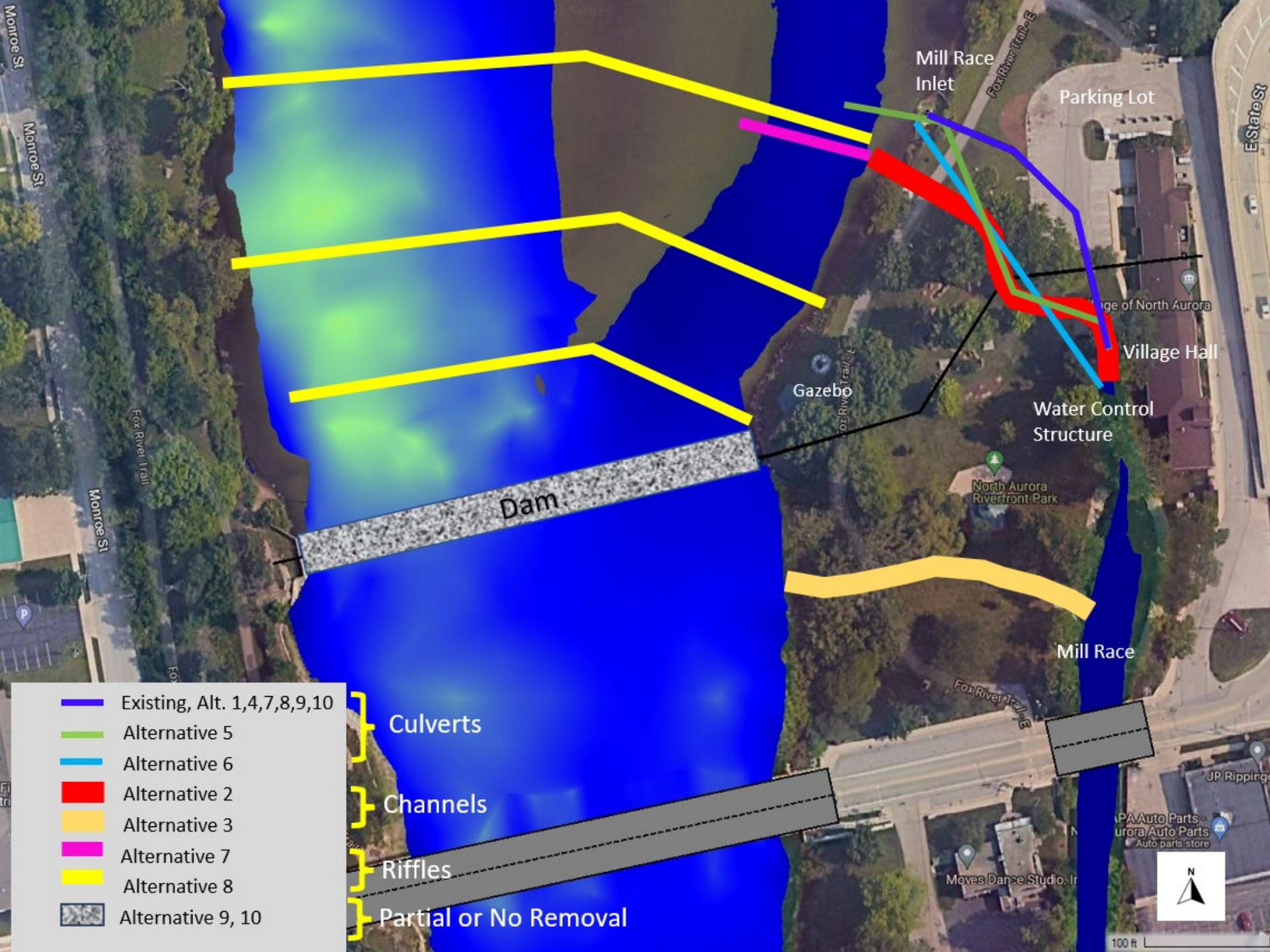
4440 ft³/s - Apr 06, 2024 09:45:00 PM CDT



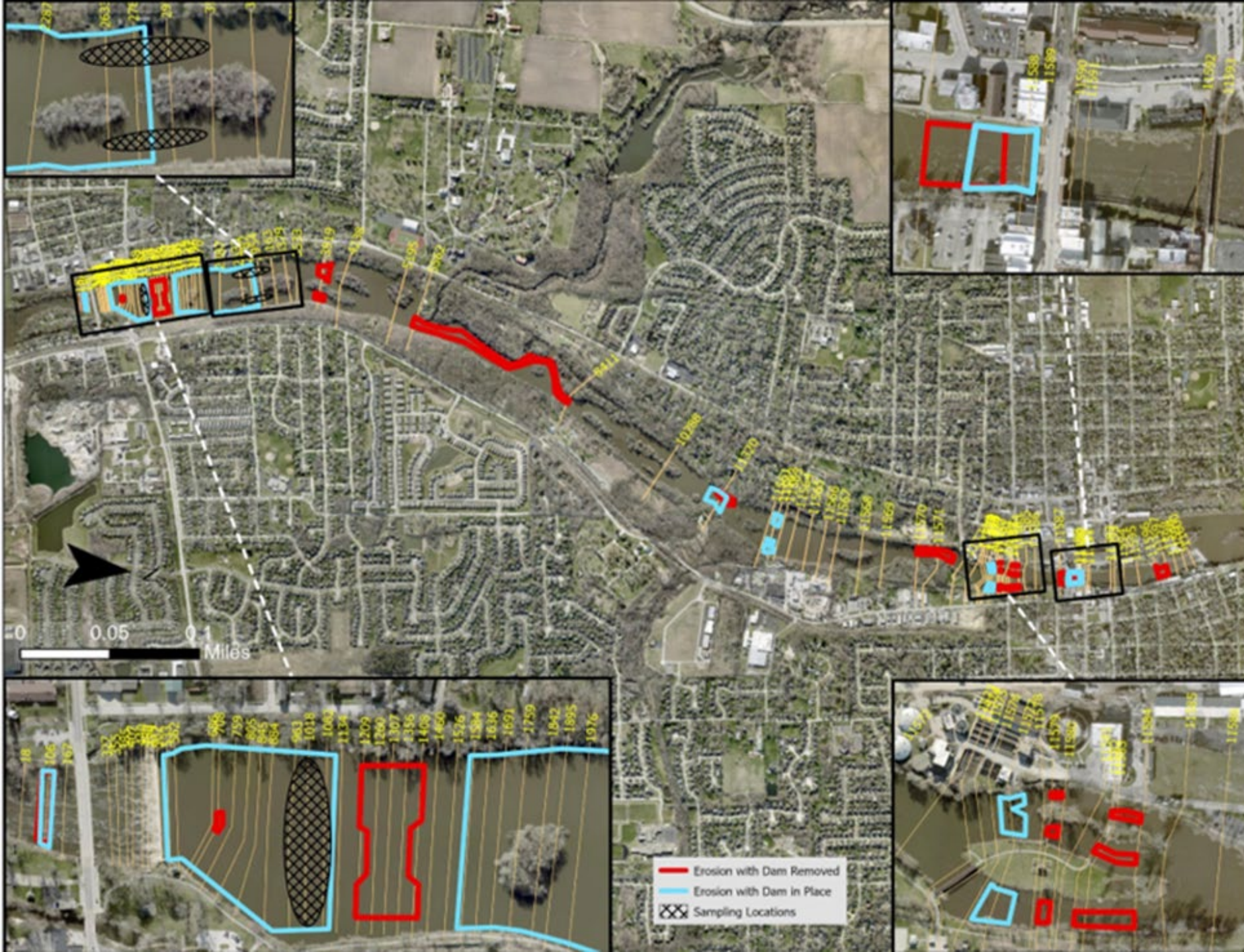
North Aurora

- Study was Published in July 2025
- 10 Alternatives Considered
- Village Board Meeting Dec 1st (tentative)
- Refining Sediment Transportation Model





Alternative Locations



— Erosion Before
Dam Removal

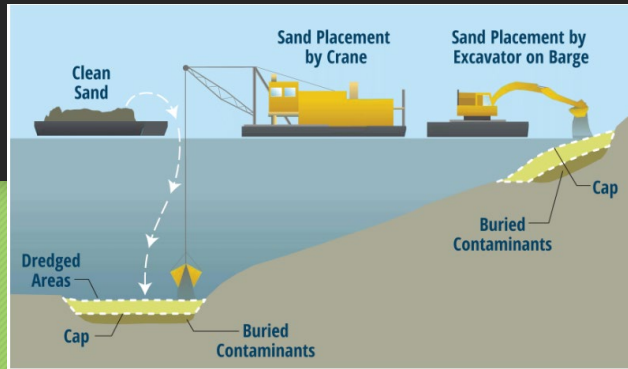
— Erosion After
Dam Removal

Composite
Sample

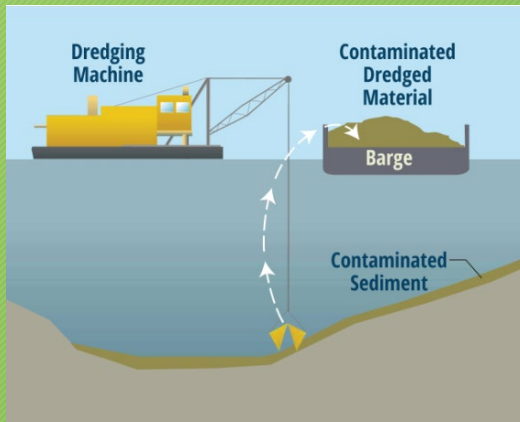
Flows used for Sediment
Model:

- Summer/Low Flow: 855
cfs
- 5-Yr Flow: 6,743 cfs

Capping



Dredging



Easements:

- 134 Parcels
- 6 Unique Public Owners
- 25 Unique Private Owners
- 8 Private Parcels affected
- 1.43 Acres
- \$22,500/AC

Potential Sediment Issues

2D Erosion Modeling

Average flow
after removal

5yr event
after removal

Red = Erosion
Blue = Deposition



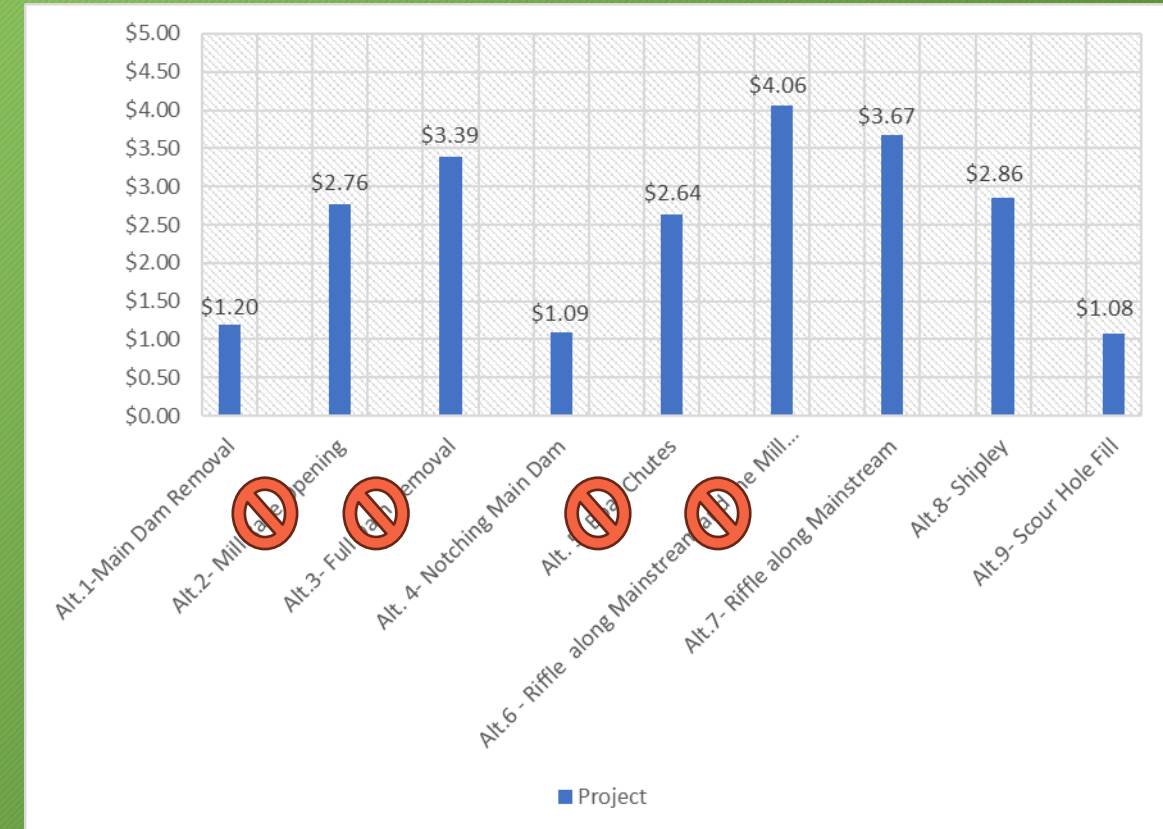
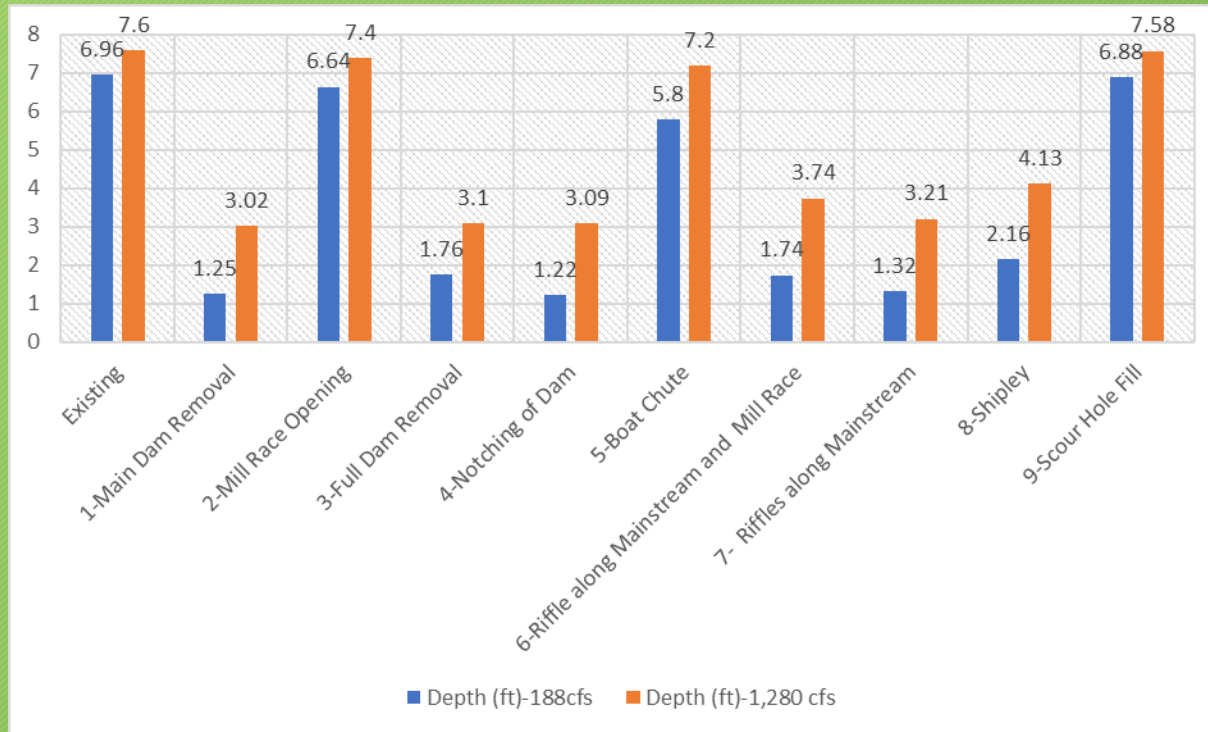
Montgomery

- Study report under internal review
- 9 Alternatives examined
- Contamination in mill race only, therefore, mill race will not be modified
- Strong local interest a series of riffles to replace the dam



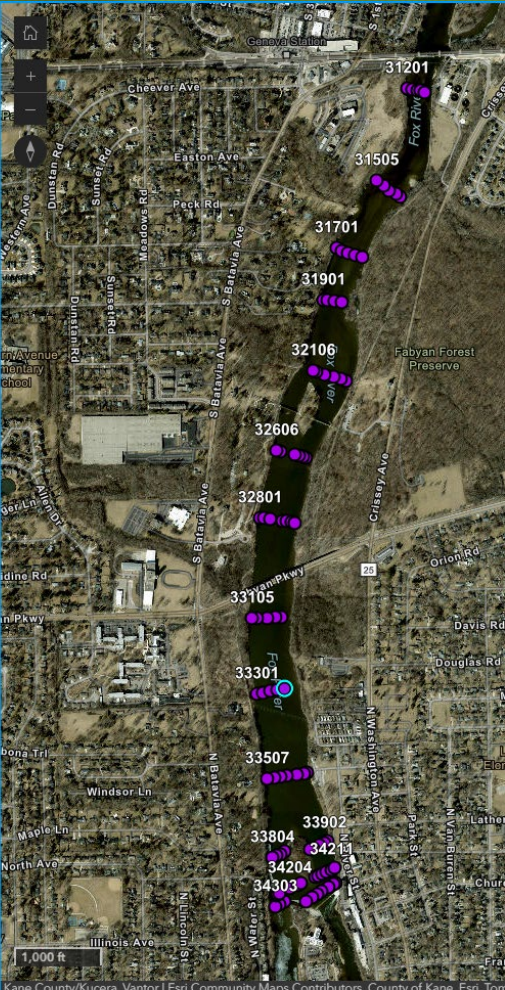
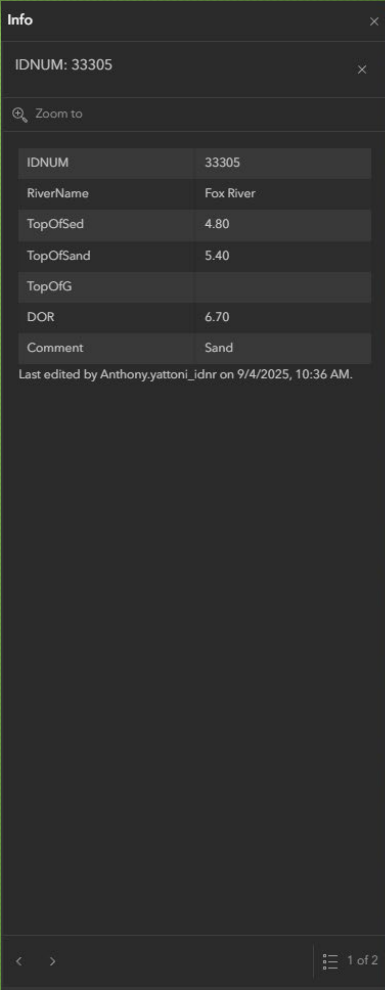
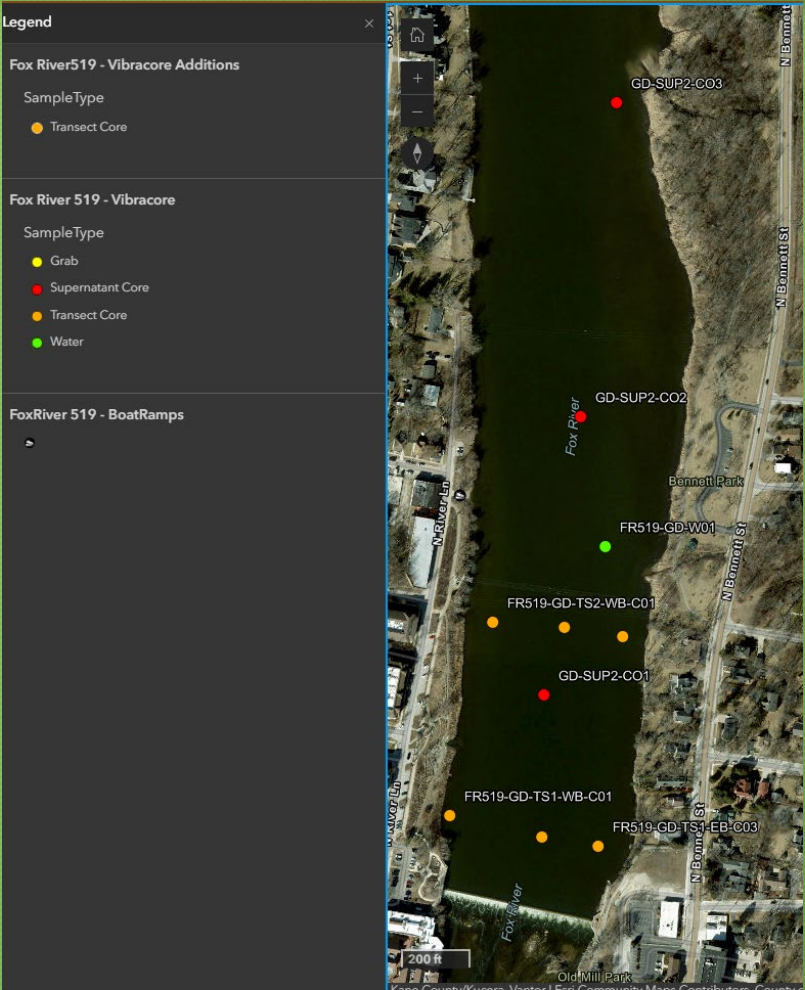
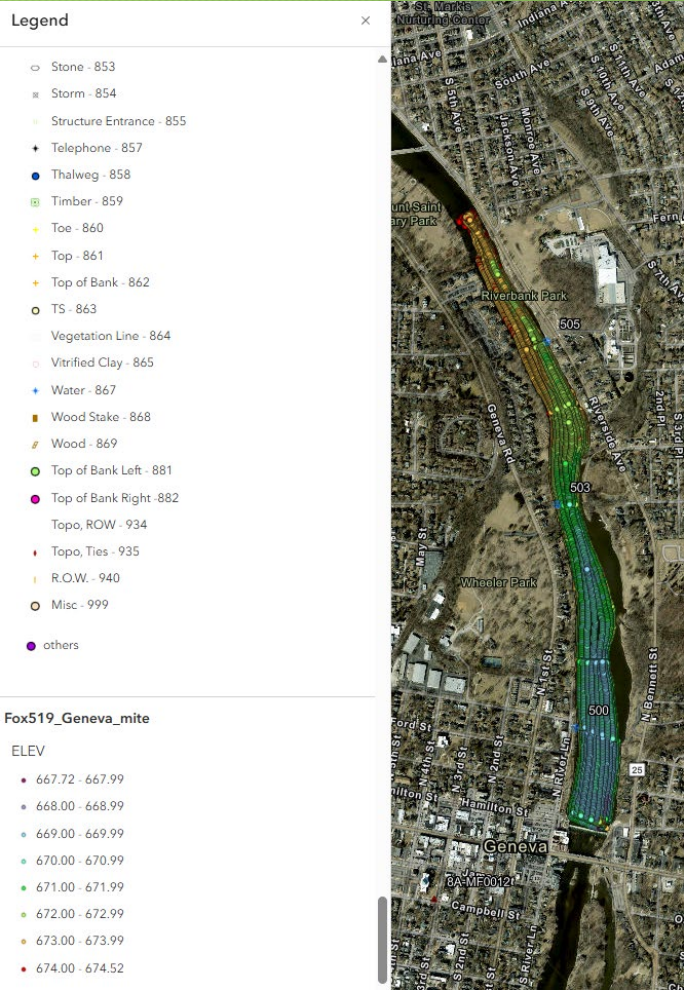
Montgomery Alternative Comparisons

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General 519 Work Completed

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Moving Forward with the 519

19

1

Continuing to meet with
state owned dam
communities

2

Providing strategic studies
with available staff

- Three studies are at or nearing completion!

Is there funding still available?

OWR Available Funding

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- Public Act 103-0589 Article 143, Section 75
 - For “publicly owned dams...including dam removals....ensure reduced risk of injury to the public”
 - \$19,731,014 available for:
 - North Aurora
 - Montgomery
 - Other 519 dam projects
 - Other non-519 dam projects

What about the USACE?

OWR assumes (the best) this is a temporary delay and the schedule will see little to no impact

OWR Planning (the worse) we will continue our assessment of with priority give to state owned dams

OWR still needs to determine the long-term plans for all State-owned dams.

Will the cost to modify utility crossings be covered with federal and/or state funds?

Other Questions

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How much
sediment upstream?

What will it look
like in 1, 2, 5
years?

When would
communities need
to commit to
secure state funds?

Kiel Harns, P.E. CFM

- New Stream Restoration Program Manager
- Will Oversee Dam Removals
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<https://dnr.illinois.gov/waterresources/safetyatdams.html>

CFD Modeling for Dam Removals

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