

National Park Service  
U.S. Department of the Interior



# Cuyahoga River Restoration: Boston Mills North

## Project Introduction/Public Scoping

### Cuyahoga Valley National Park

June 25, 2020

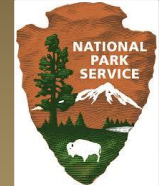
# Welcome – Public Scoping Meeting





# Project Partners

- National Park Service,  
Cuyahoga Valley National Park
- U.S. Environmental Protection Agency,  
Great Lakes Program Office
- U.S. Army Corps of Engineers,  
Buffalo District Office



# Project Team

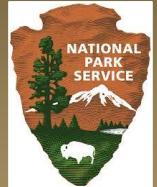
## ■ National Park Service:

Pam Barnes, Public Information Officer

Chris Davis, Biologist/Project Coordinator

Susan Hall, Cultural Resources Program Manager

Bill Hunter, Outdoor Recreation Planner



## ■ U.S. Army Corps of Engineers

Russ Brandenburg, Project Manager

Dan Bennett, Civil/Hydraulic Engineer

Katie Buckler, Biologist

Lynn Greer, Public Involvement Specialist

Michael Habberfield, Ecologist

Andrew Hannes, Plan Formulator





# Poll – Who do you represent?





**Poll – What activities do you enjoy at the park?**





# Project Location





# River Status (Historic)

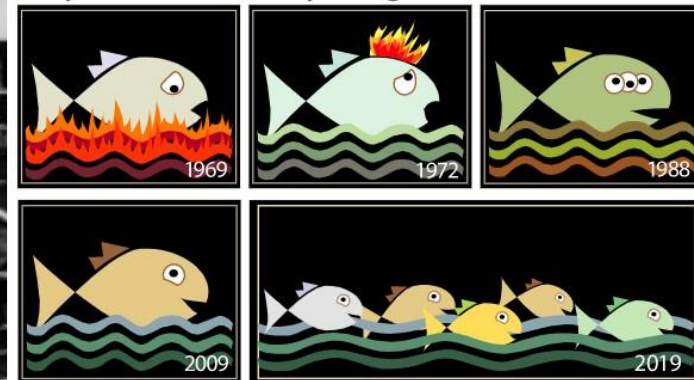


1969 River Fire

Cleveland Public Library

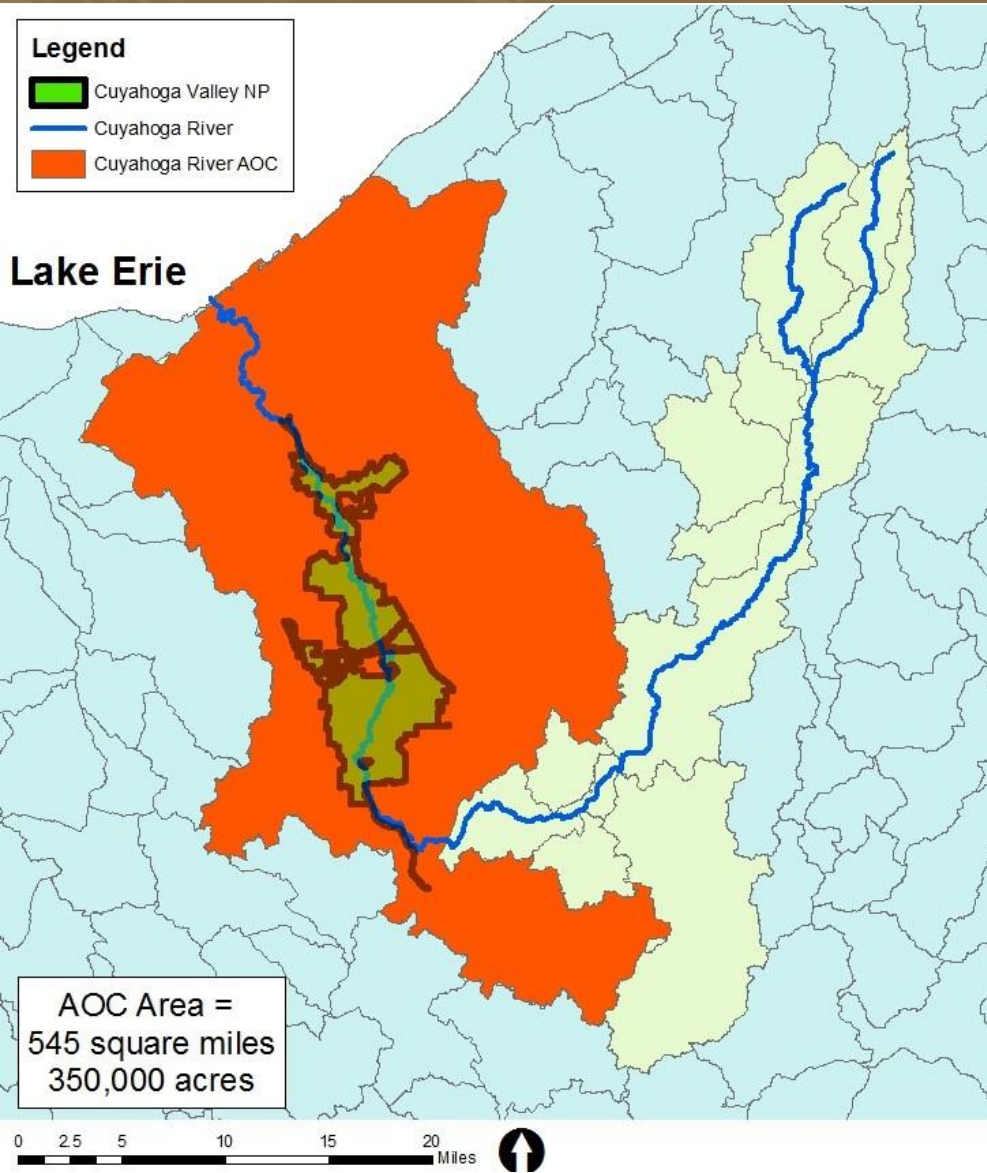


50 years on the Cuyahoga: more fish, no fire



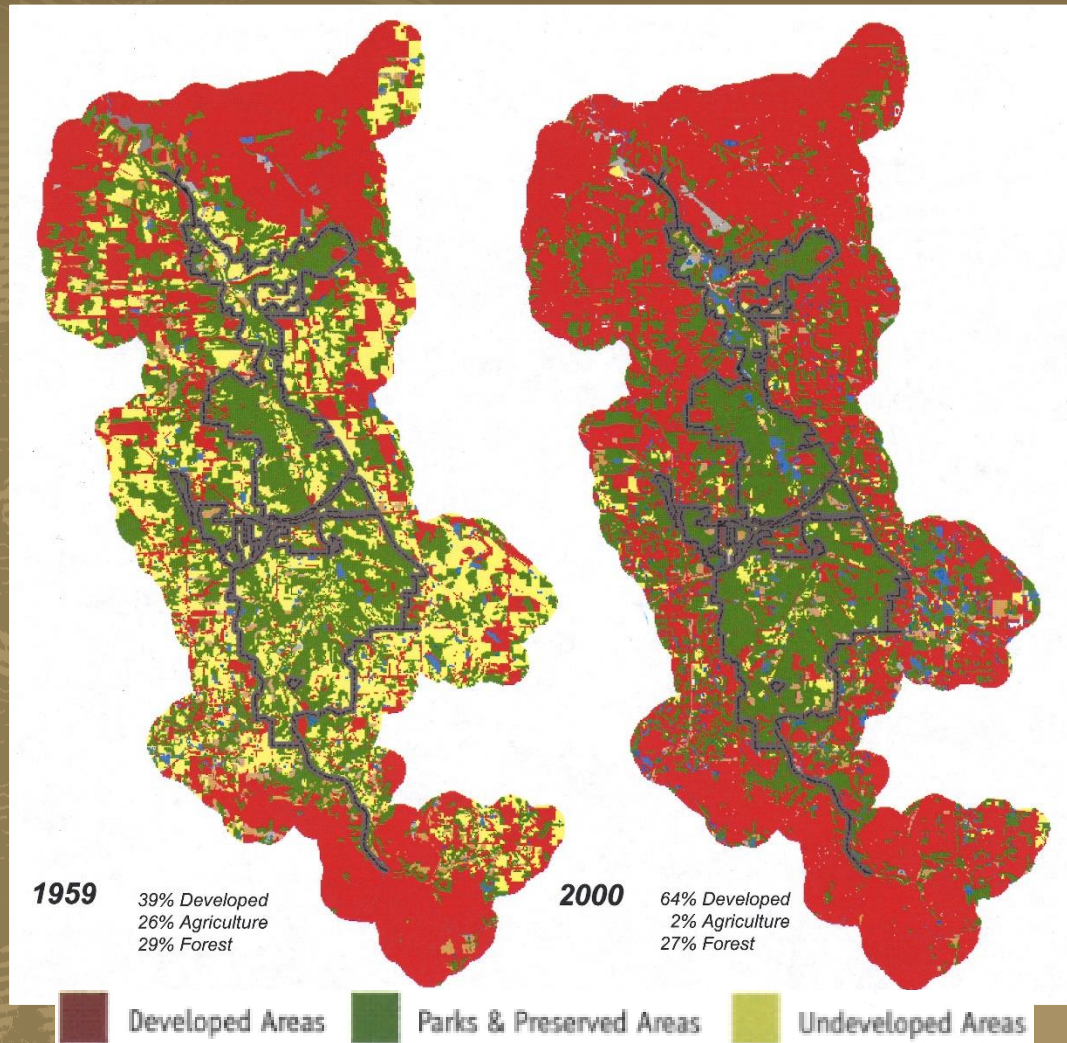


# River Status (Current)

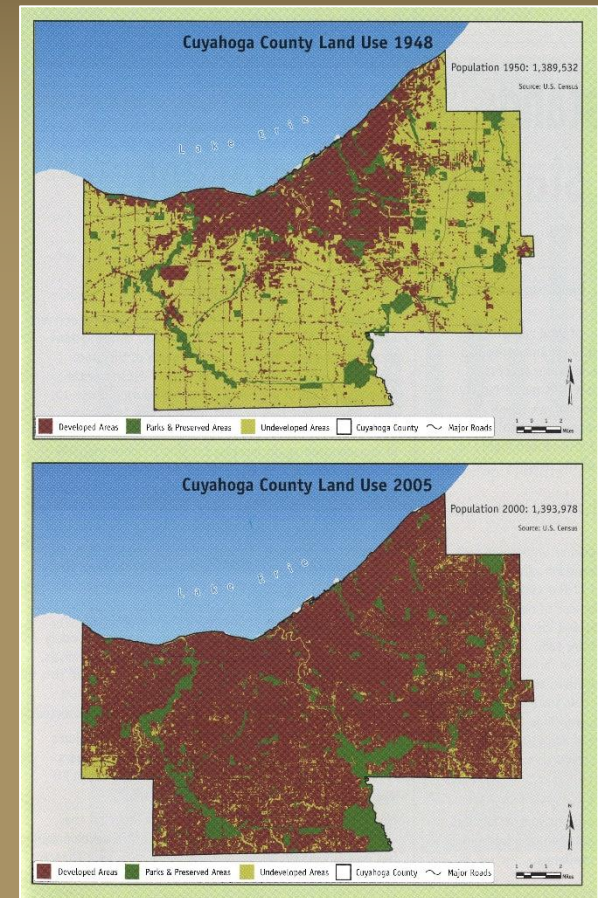




# Contributing Factor – Development



Land Cover Change at / around CVNP  
1959 - 2000



Land Cover Change  
Cuyahoga County  
1948 – 2005

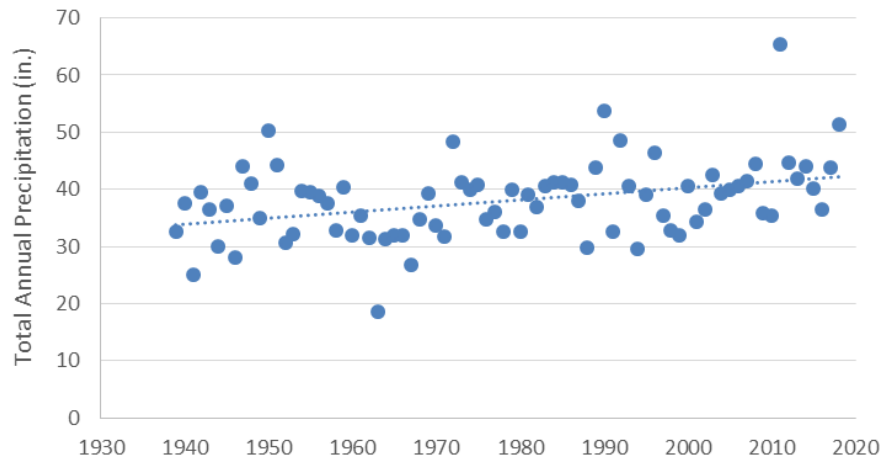
Western Reserve  
Land Conservancy, 2012



# Contributing Factor – Precipitation

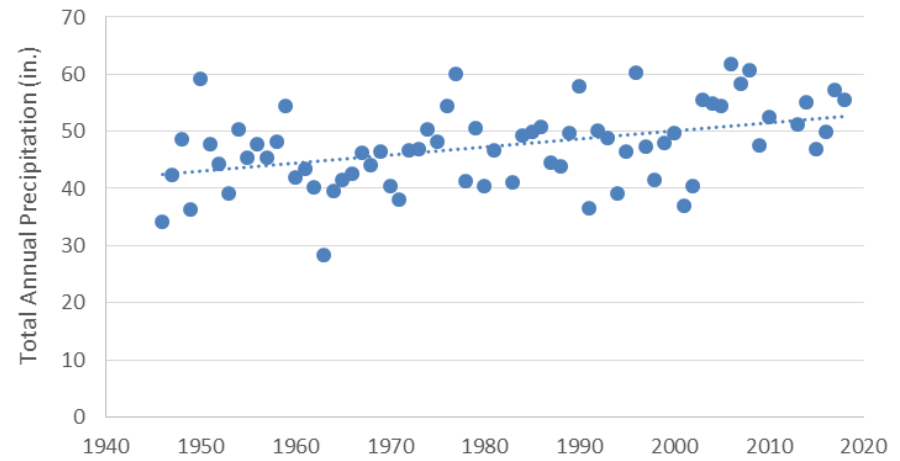
Cleveland-Hopkins Int. Airport

$$y = 0.1076x - 174.9$$
$$R^2 = 0.1352$$



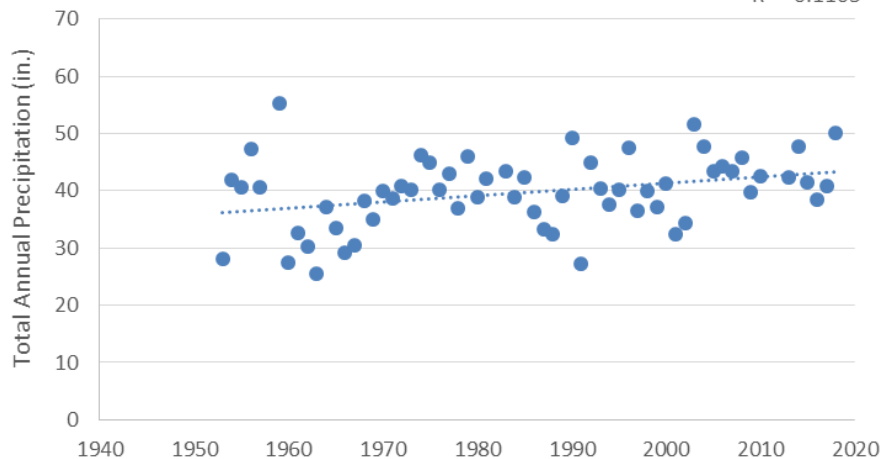
Chardon, OH

$$y = 0.1423x - 234.63$$
$$R^2 = 0.1842$$



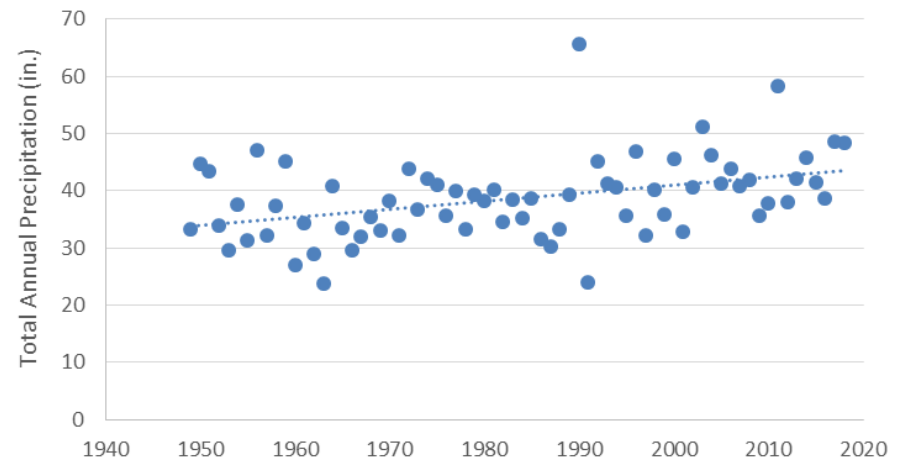
Ravenna, OH

$$y = 0.11x - 178.6$$
$$R^2 = 0.1103$$



Akron-Canton Airport

$$y = 0.1397x - 238.43$$
$$R^2 = 0.1584$$



# Contributing Factor – Channelization

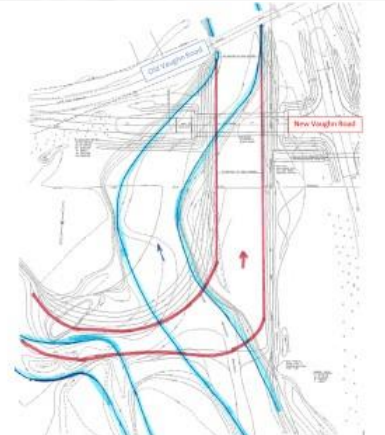
1960



1970



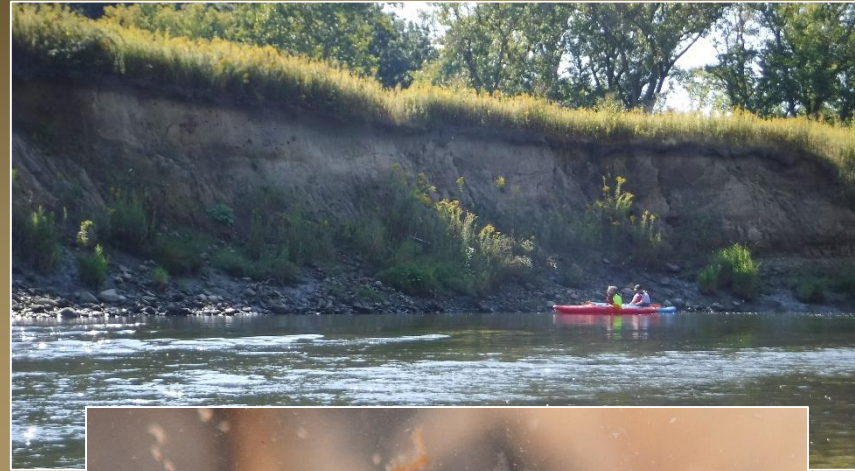
Channel re-alignment as  
shown on plan drawings  
Pre-construction  
Post-construction





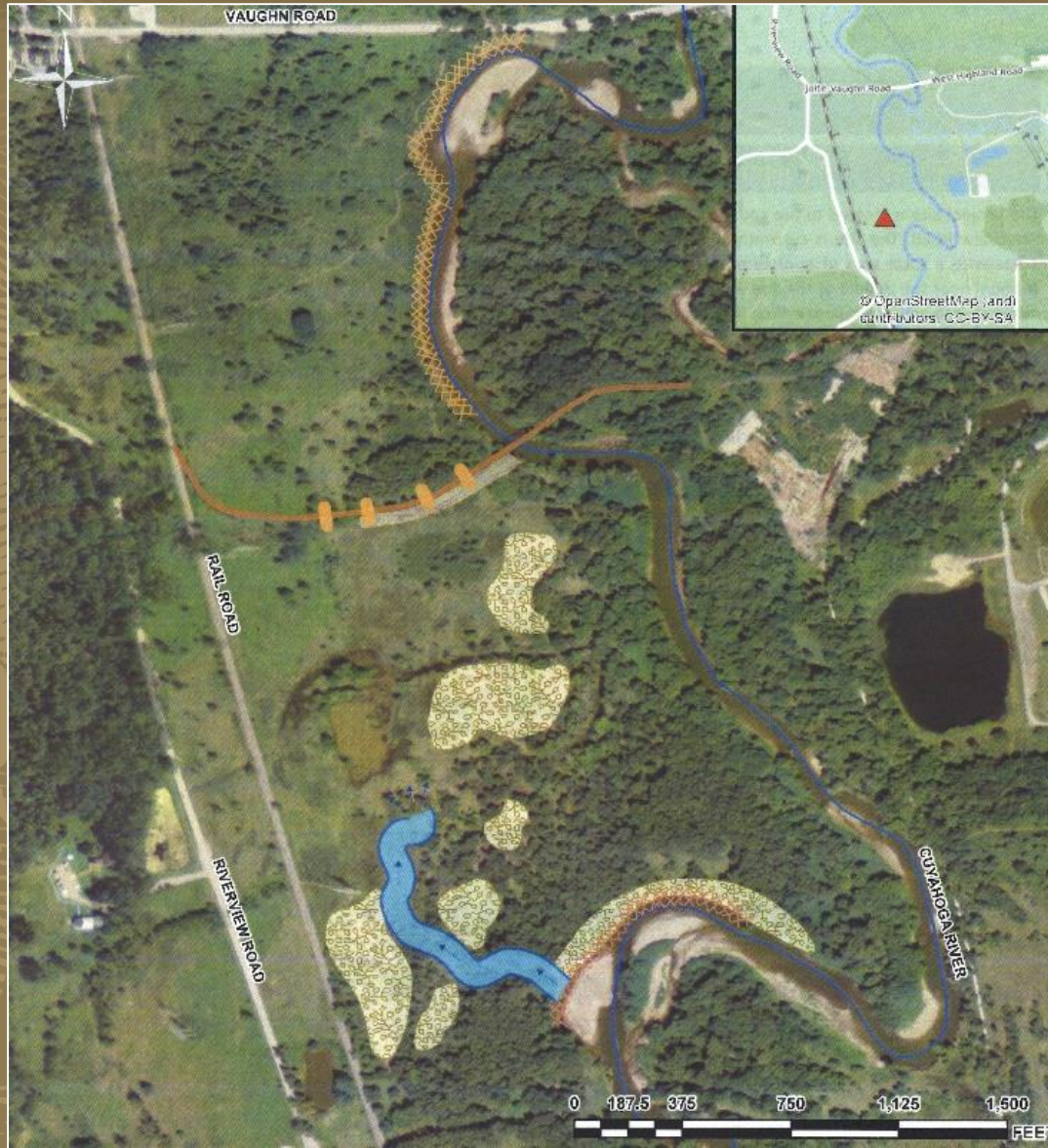
# Purpose and Need

- Address BUIs
- Promote delisting of river
  - Improve riverside / instream habitat
  - Decrease erosion
  - Improve water quality
- Restore fish / invertebrate populations





# Prelim. Alt. – Re-connect Floodplain





# Prelim. Alt. – Re-activate Oxbows



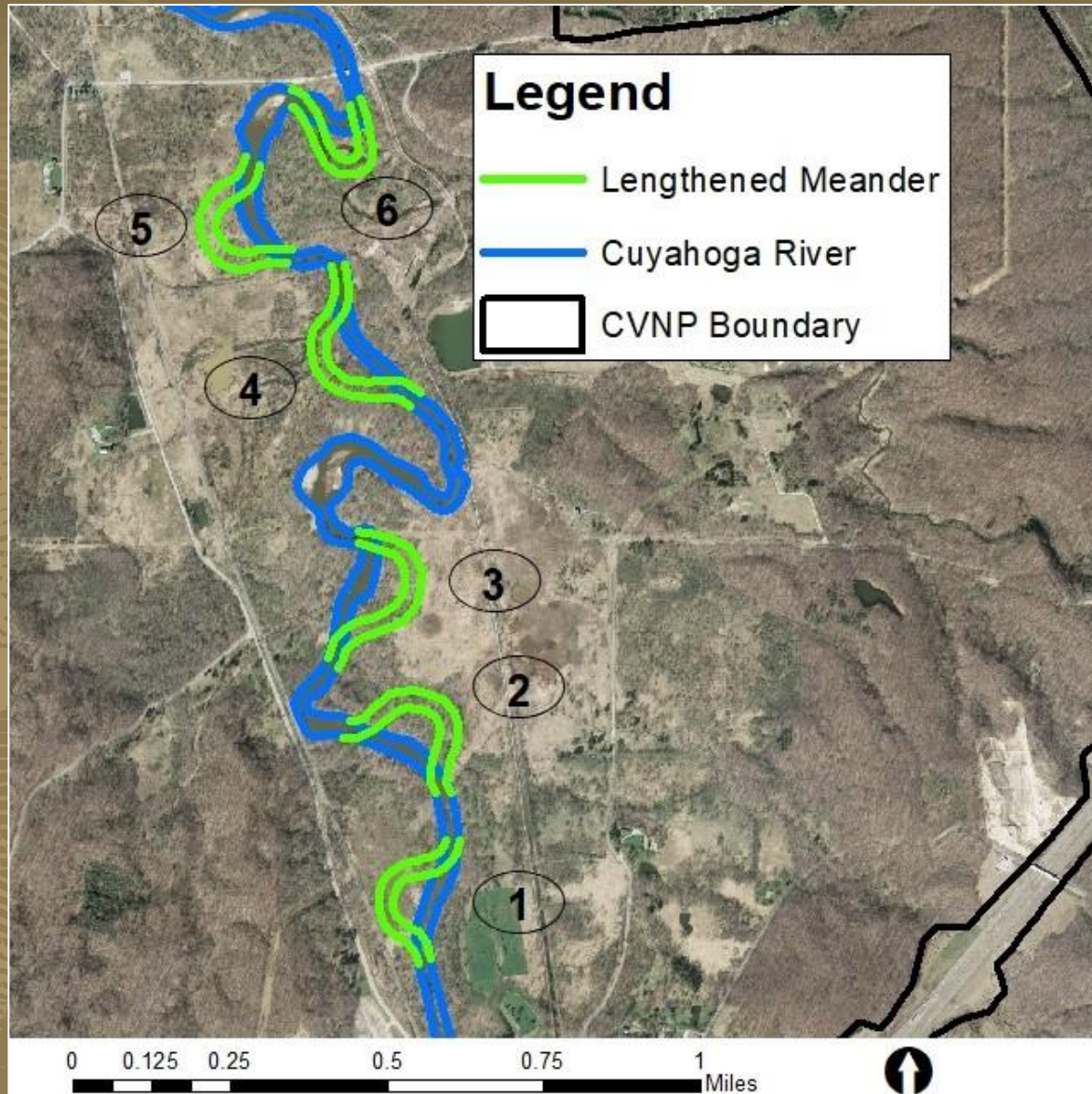


# Prelim. Alt. – Control Invasives





# Prelim. Alt. – Re-meander the River



# Compliance

- NEPA – Environmental Assessment  
Official start – June 2020  
FONSI signed – Dec 2020
- NHPA – Standard 4-step Process  
Ohio SHPO, Tribal THPOs
- Wetlands/Waterways – 401/404 NWP Permit
- Endangered Species – May affect not likely to adversely affect (bats)



# Issues / Constraints

- Riparian Forest
- Migratory Songbirds
- Aquatic Invertebrates / Fish
- Species of Special Concern



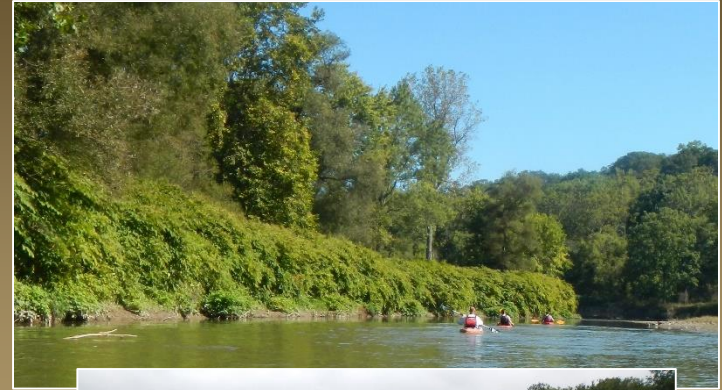
Frode Jacobsen/Shutterstock Photo  
courtesy of Frode Jacobsen



USFWS Photo

# Issues / Constraints

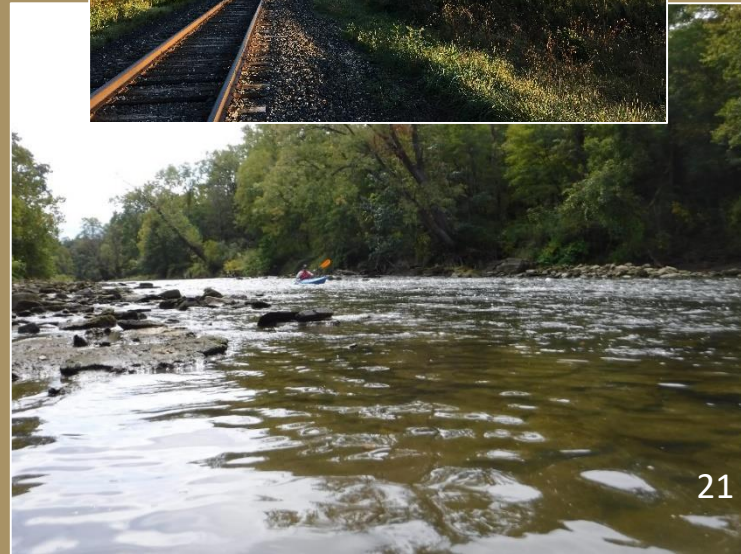
- Non-native, invasive Plants
- Wetlands
- Water Quality
- Riverine Geomorphology





# Issues / Constraints

- Historic Resources
- Cultural Landscapes
- Archeology
- Ethnographic Resources
- Visitor Experience



# Schedule

- Permitting and Compliance:  
Feb 2020 to Oct 2020
- Design Development  
Complete December 2020
- Construction Award:  
March 2021
- Substantial Completion:  
July 2022



# Poll – How did you learn about this mtg?



# Thank you! Questions/comments?

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Submit official/additional comments or questions by July 27 at

<https://parkplanning.nps.gov/cuyahogariverrestoration-bostonmillsnorth>

OR by mail to

Superintendent, Cuyahoga Valley National Park, 15610 Vaughn Road, Brecksville, Ohio 44141,  
attention: Cuyahoga River Restoration



# Thank You!

Cuyahoga River Restoration:  
Boston Mills North  
Cuyahoga Valley National Park

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