

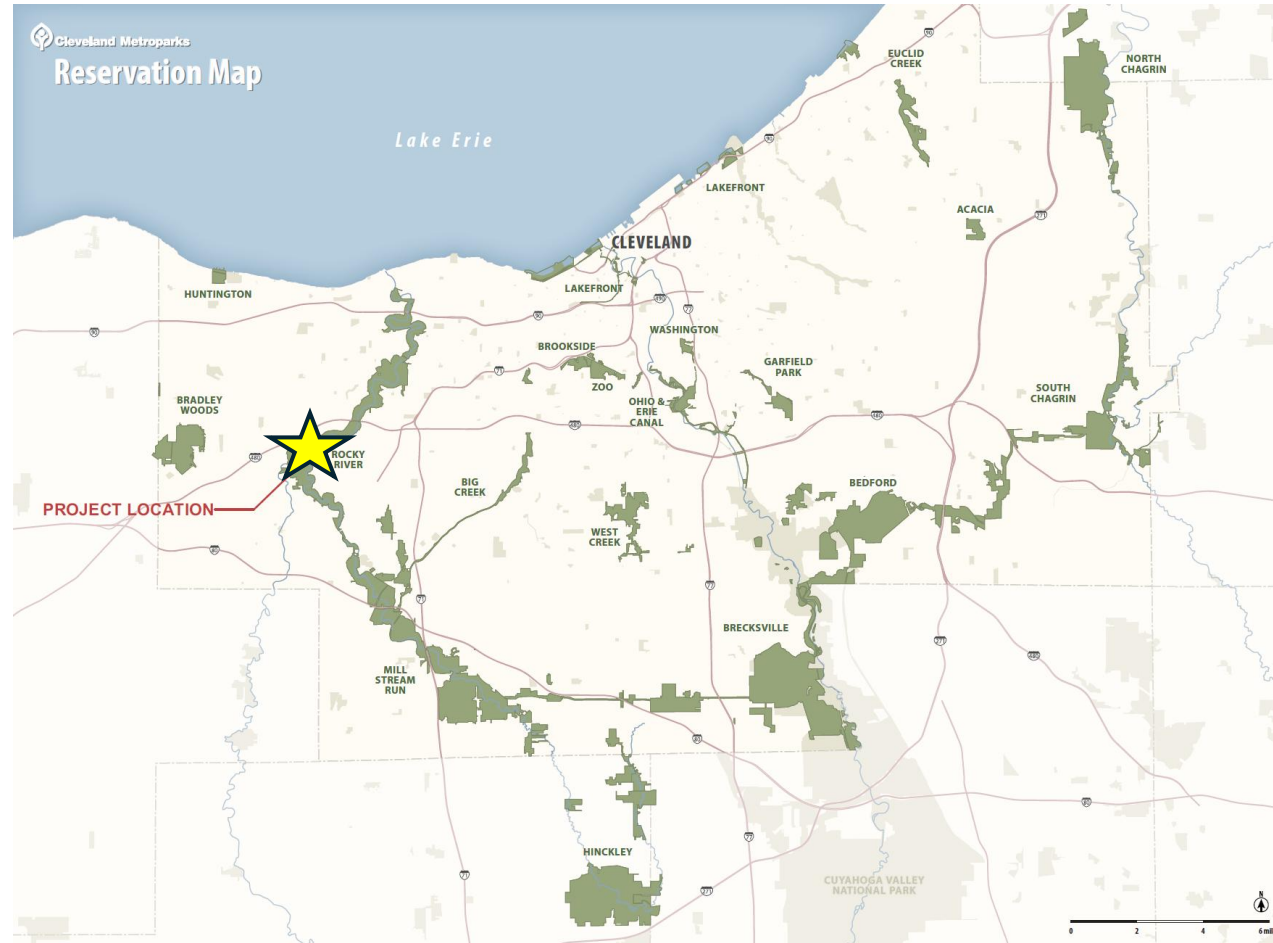


Board of Park Commissioners  
January 16, 2026  
Rocky River Nature Center  
Erosion Protection



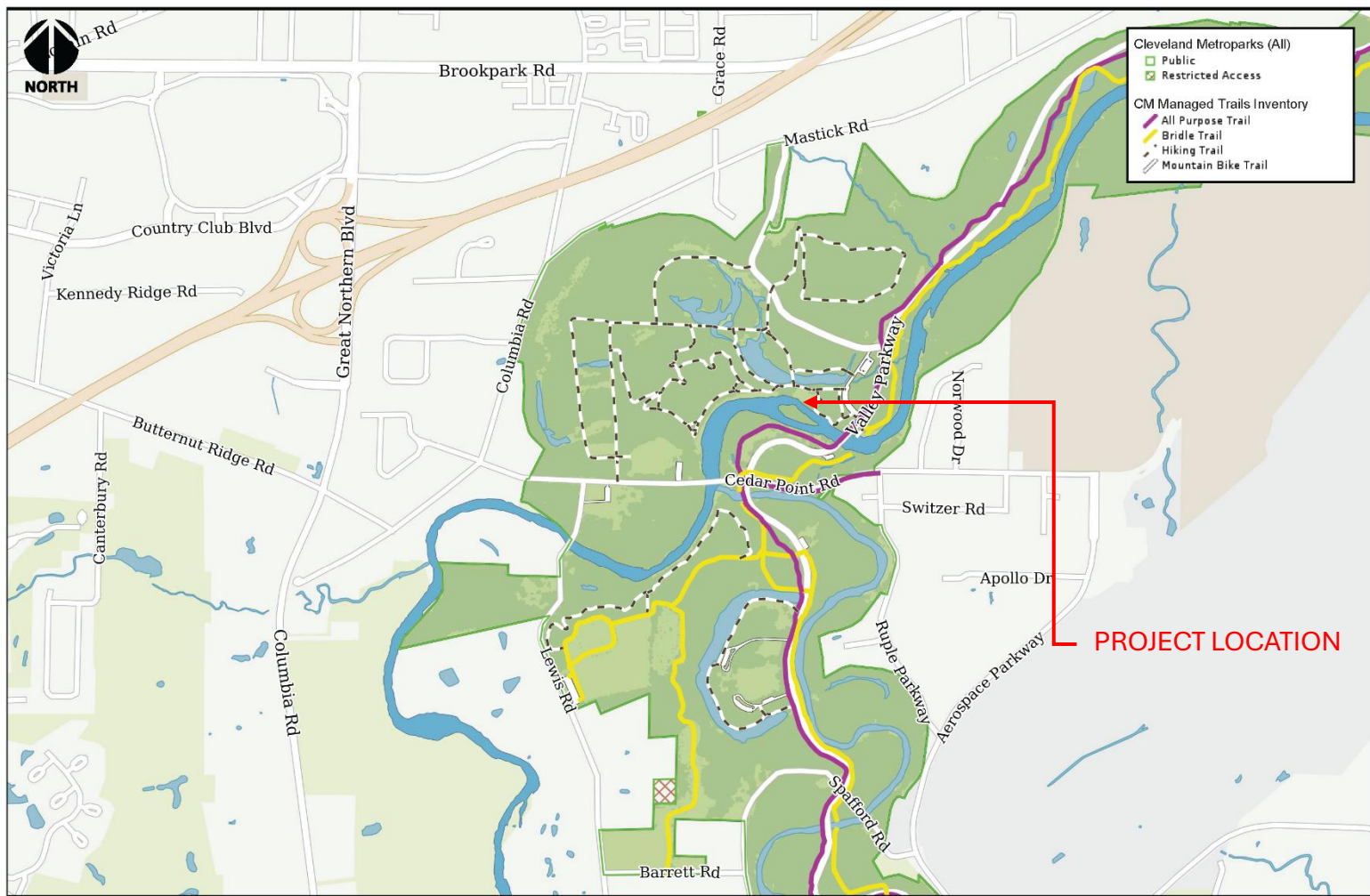


# Rocky River Nature Center – Erosion Protection





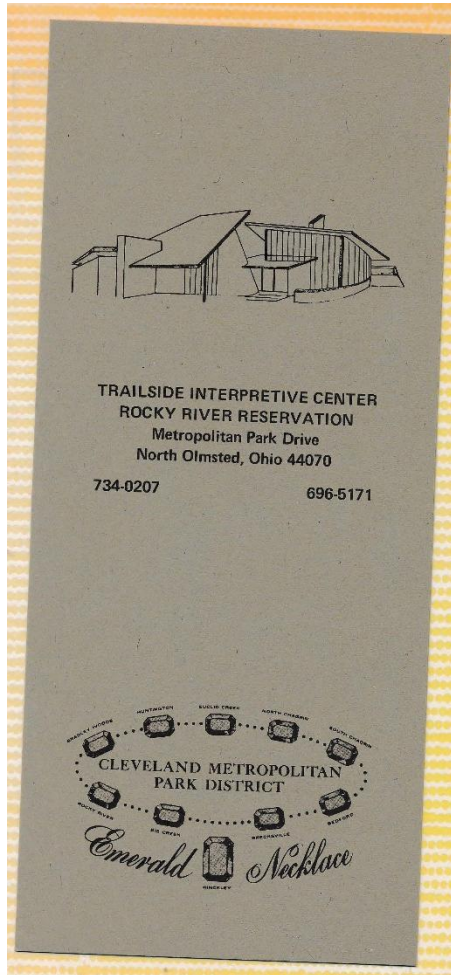
# Rocky River Nature Center – Erosion Protection





# Rocky River Nature Center – Erosion Protection

Trailside  
Interpretive  
Center built  
in 1971

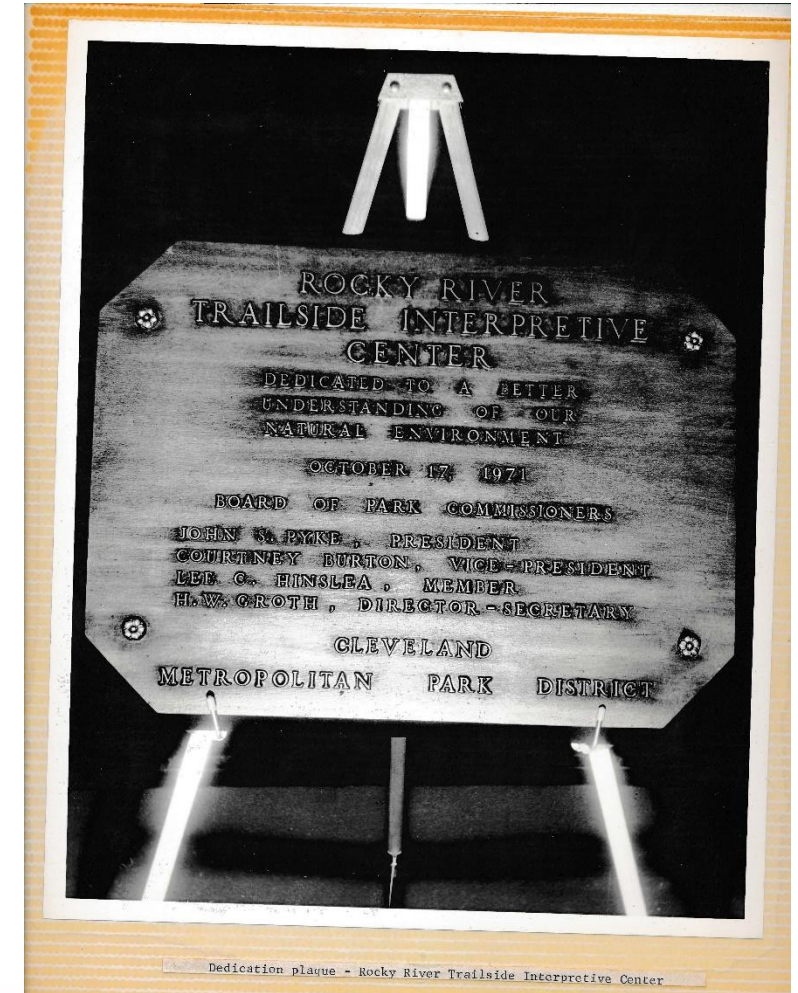




# Rocky River Nature Center – Erosion Protection



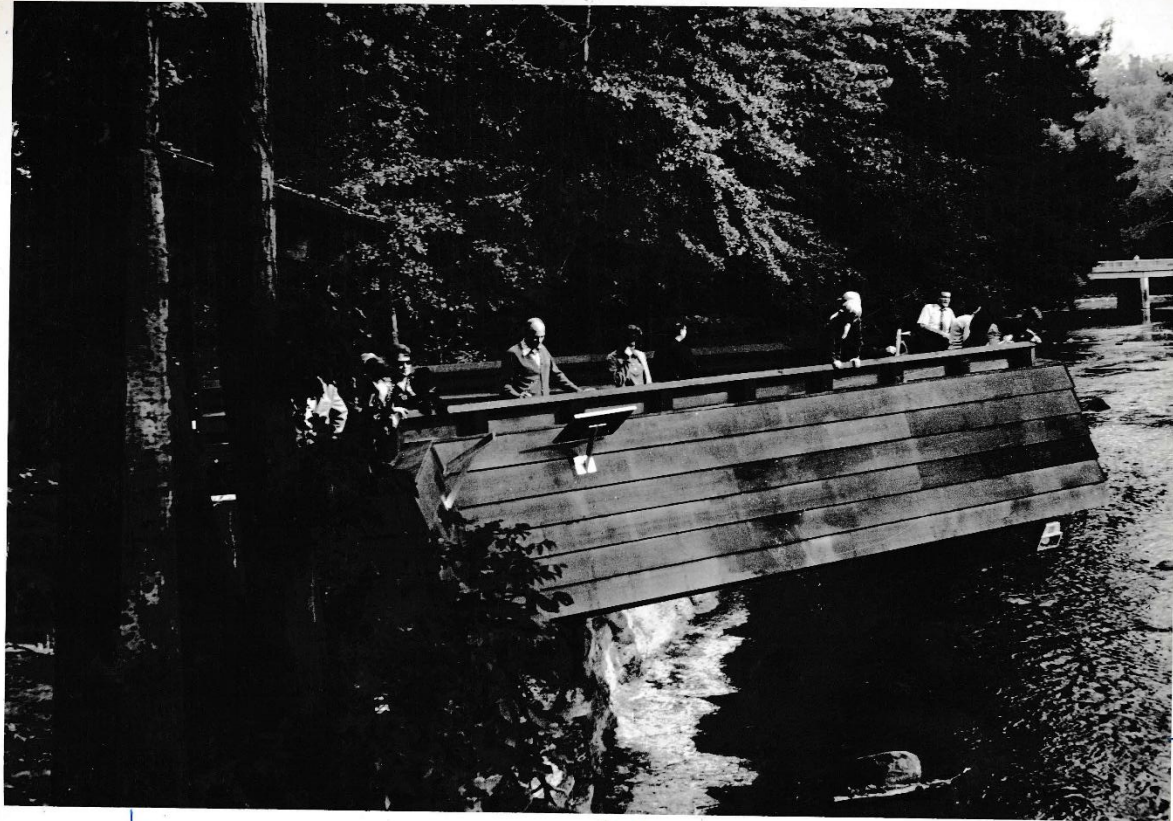
COLUMBIA CEDAR SIDING AND CEDAR SHAKE SHINGLES CREATE A RUSTIC ATMOSPHERE



Dedication plaque - Rocky River Trailside Interpretive Center



# Rocky River Nature Center – Erosion Protection



CANTILEVERED OBSERVATION DECK OVERLOOKS ROCKY RIVER IN CLEVELAND METROPOLITAN PARK



OBSERVATION DECK AFFORDS VIEW OF DEVONIAN PERIOD IN SHALE WALL



# Rocky River Nature Center – Erosion Protection





# Rocky River Nature Center – Erosion Protection





# Rocky River Nature Center – Erosion Protection





# Rocky River Nature Center – Erosion Protection

Based on historical architectural drawings and the most recent survey, the bluff has retreated roughly 4 feet since 1969.





# Rocky River Nature Center – Erosion Protection





# Rocky River Nature Center – Erosion Protection

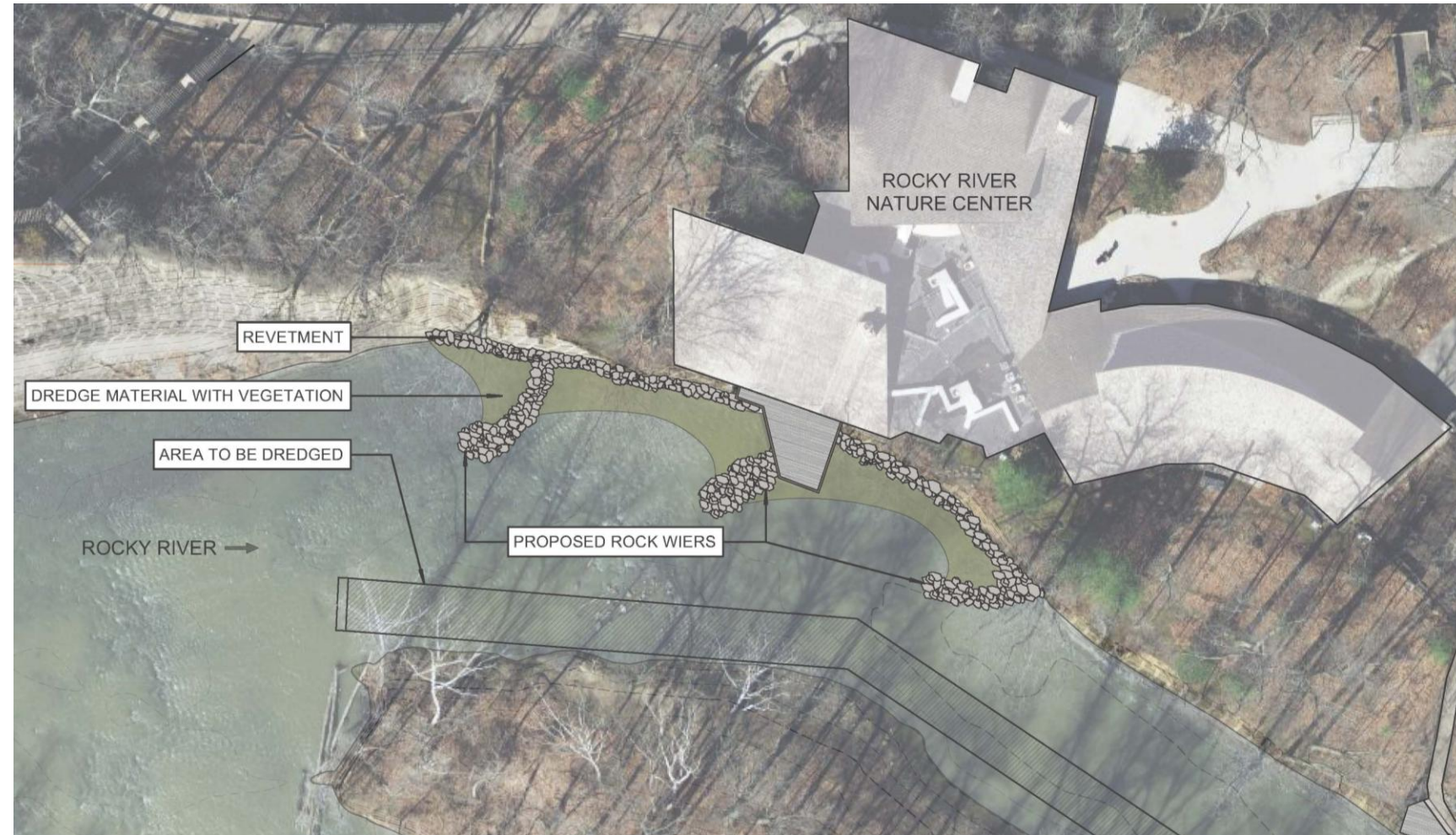




# Rocky River Nature Center – Erosion Protection

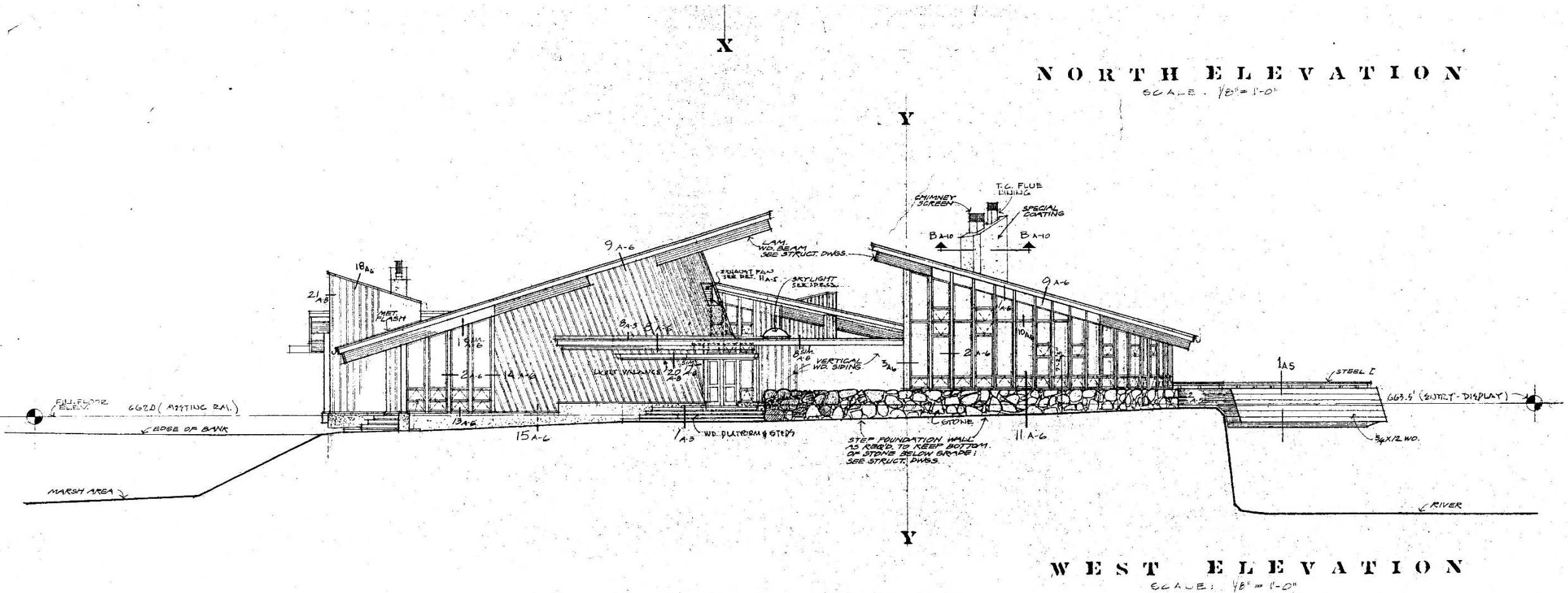
## Shoreline Protection Design

- **Stone revetment** along toe of bluff will protect it from constant erosion and undercutting
- **Rock weirs** and **vegetated fill** extending out into the river will direct flow away from the bluff
- **Dredged area** will also help direct flow away from the bluff



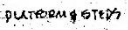


# Rocky River Nature Center – Erosion Protection



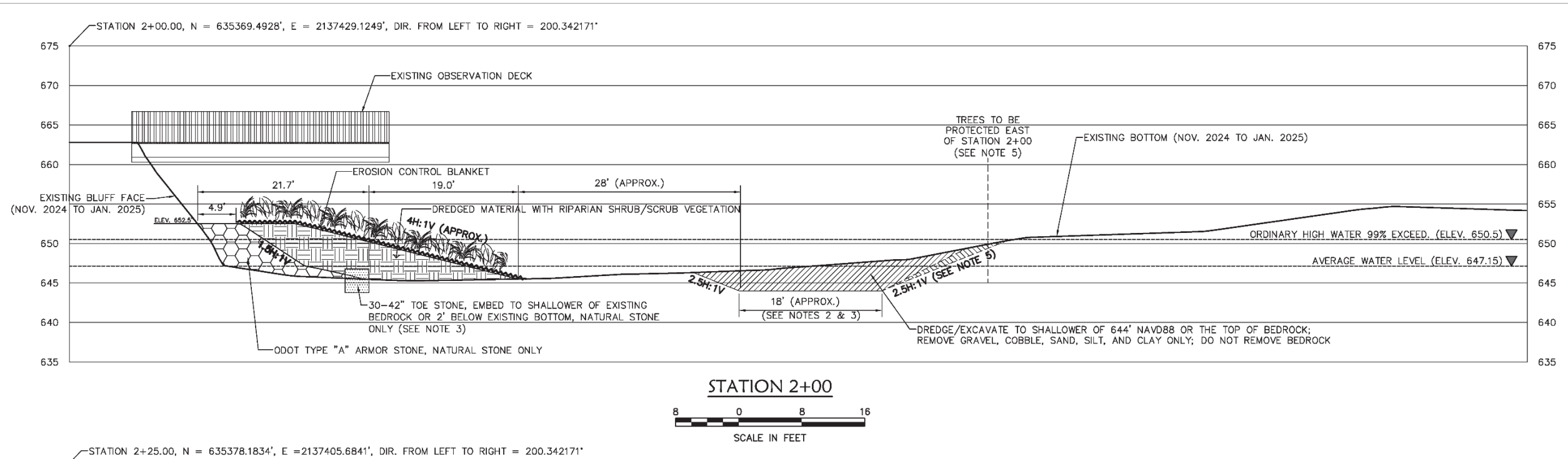


X





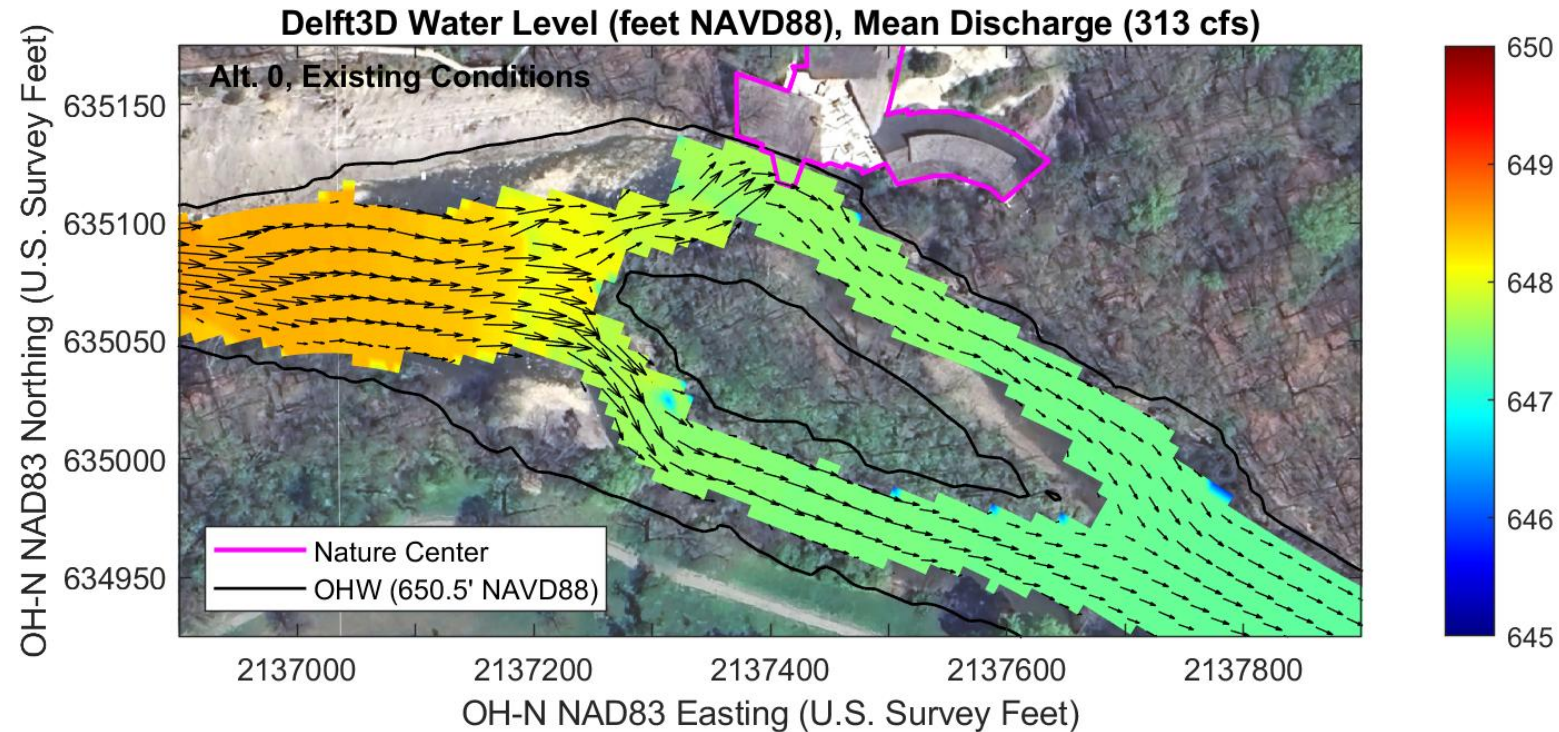
# Rocky River Nature Center – Erosion Protection





# Rocky River Nature Center – Erosion Protection

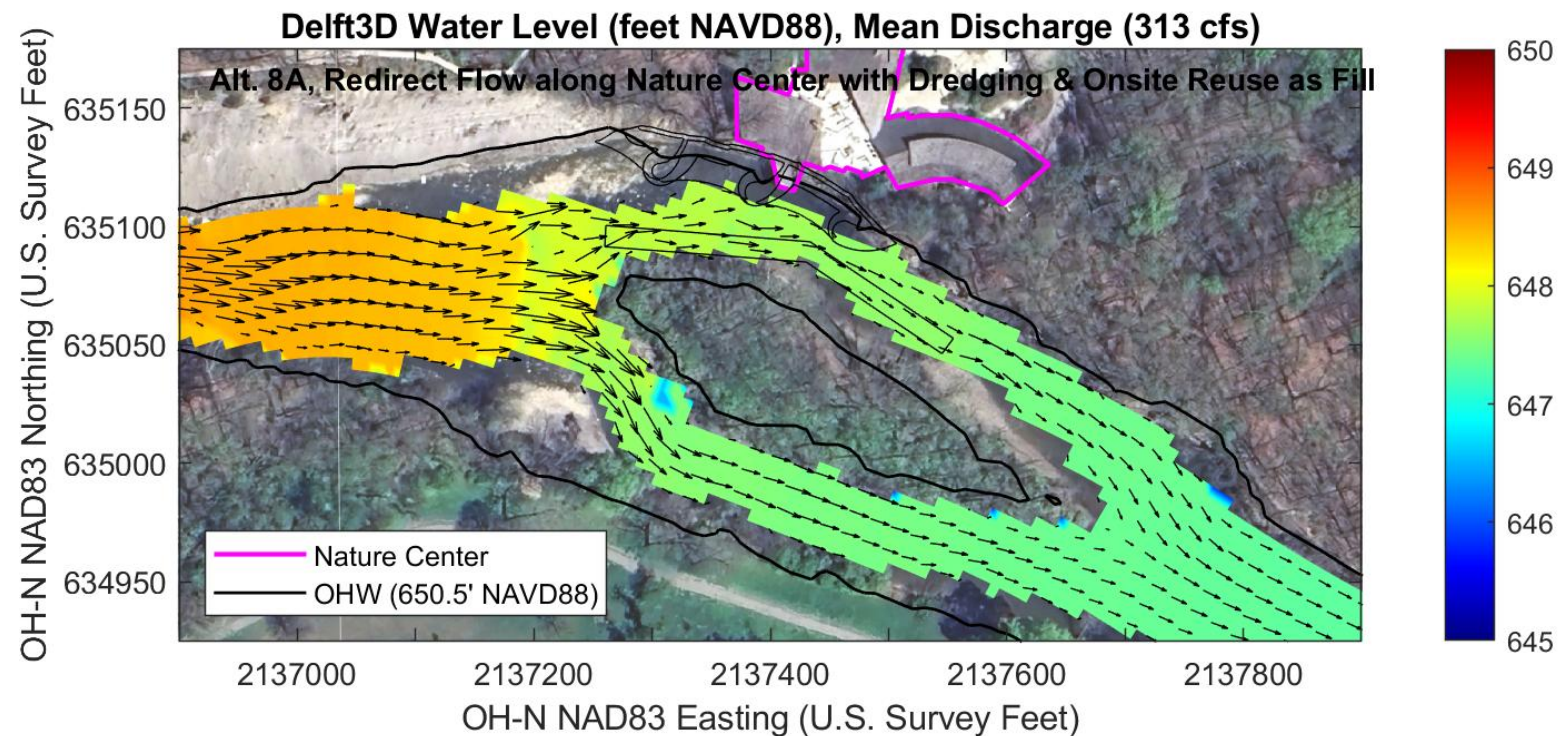
## Average Flow Scenario – EXISTING CONDITION





# Rocky River Nature Center – Erosion Protection

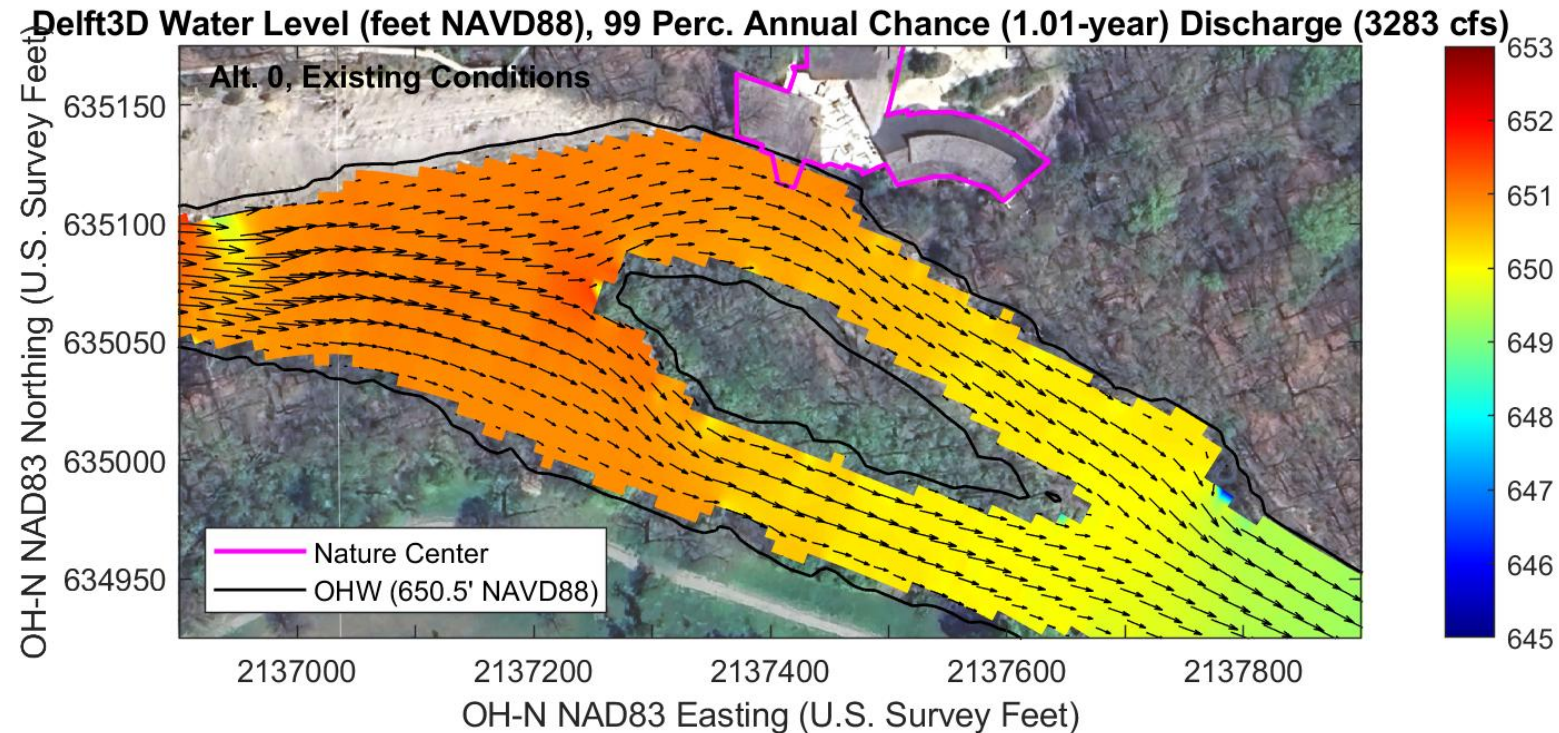
## Average Flow Scenario – AFTER PROJECT COMPLETION





# Rocky River Nature Center – Erosion Protection

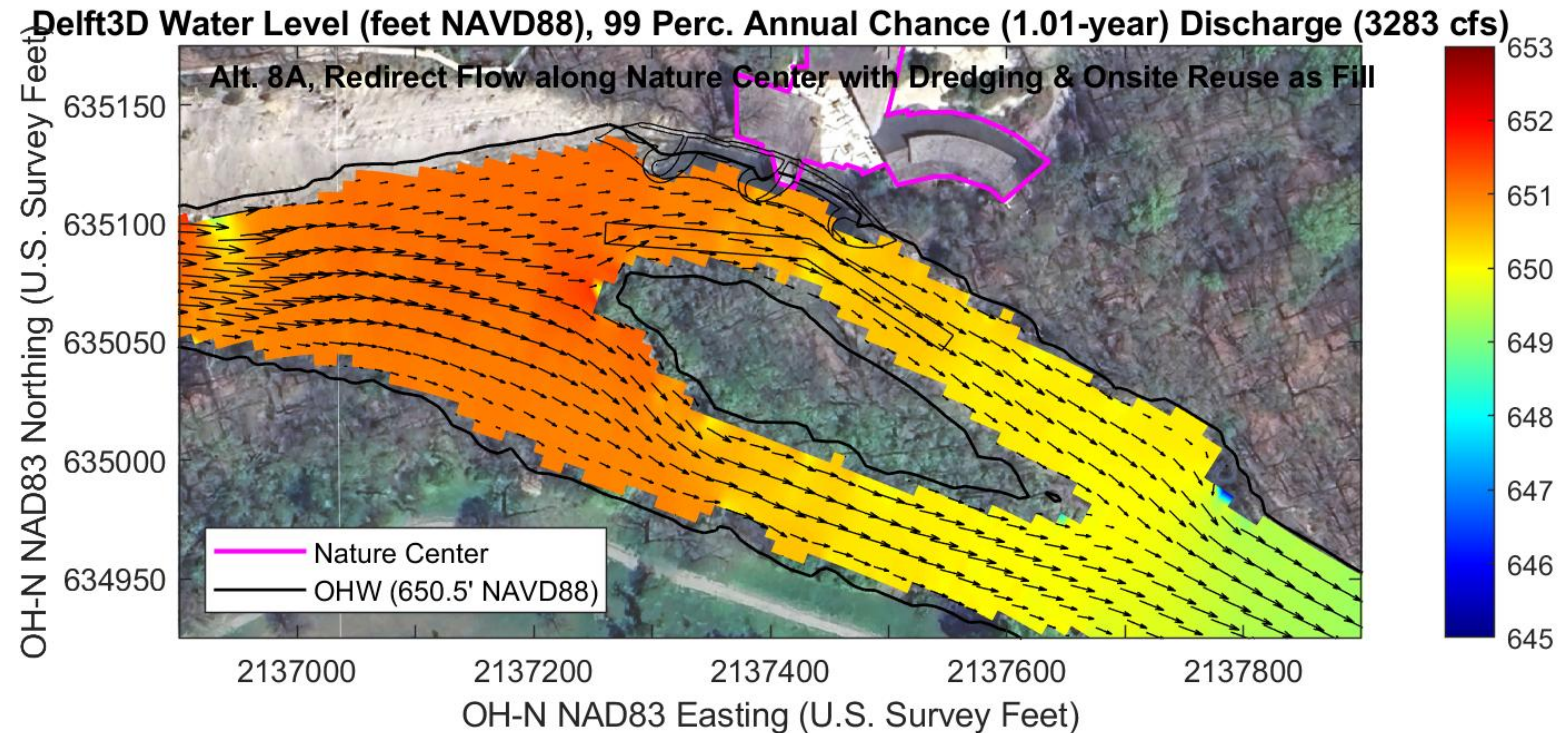
## 99% Annual Chance Flow Scenario – EXISTING CONDITION





# Rocky River Nature Center – Erosion Protection

## 99% Annual Chance Flow Scenario – AFTER PROJECT COMPLETION





# Rocky River Nature Center – Erosion Protection

## Project Schedule

Project out to bid	January 2026
Construction contract presented to Board for approval	February 2026
Construction start	Spring 2026
Construction completion	December 2026

