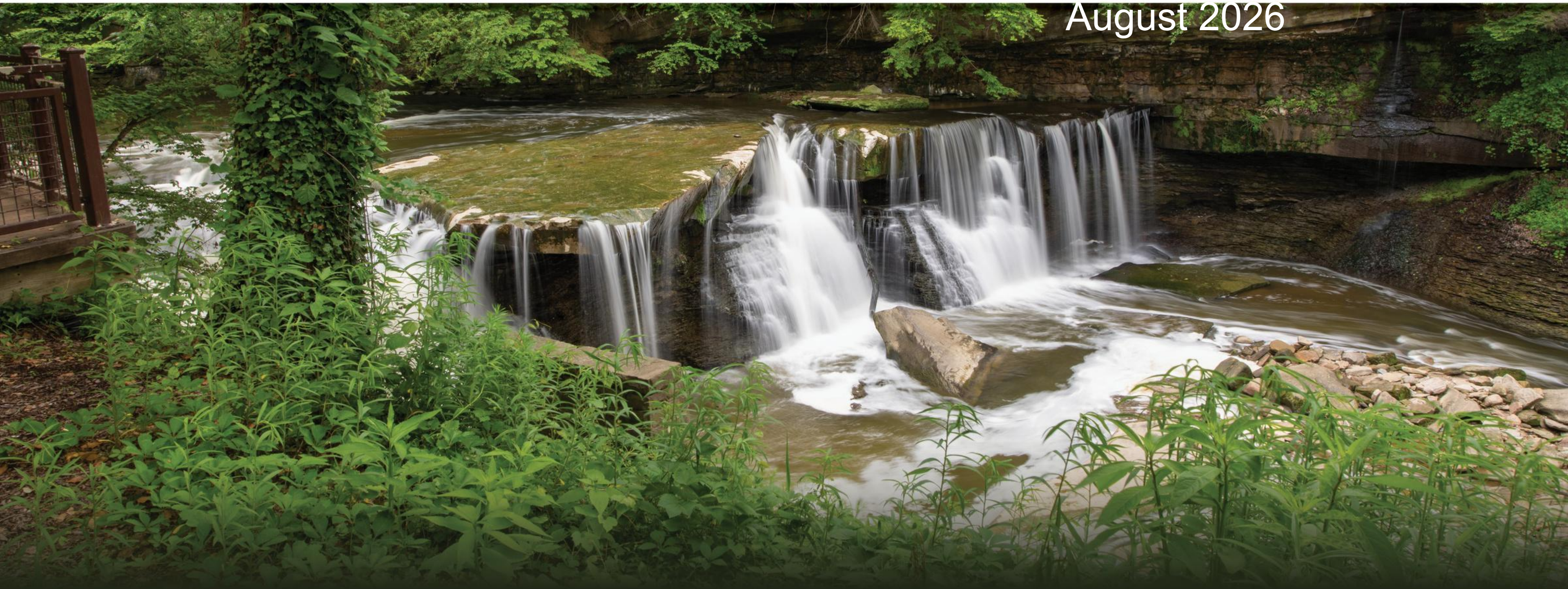




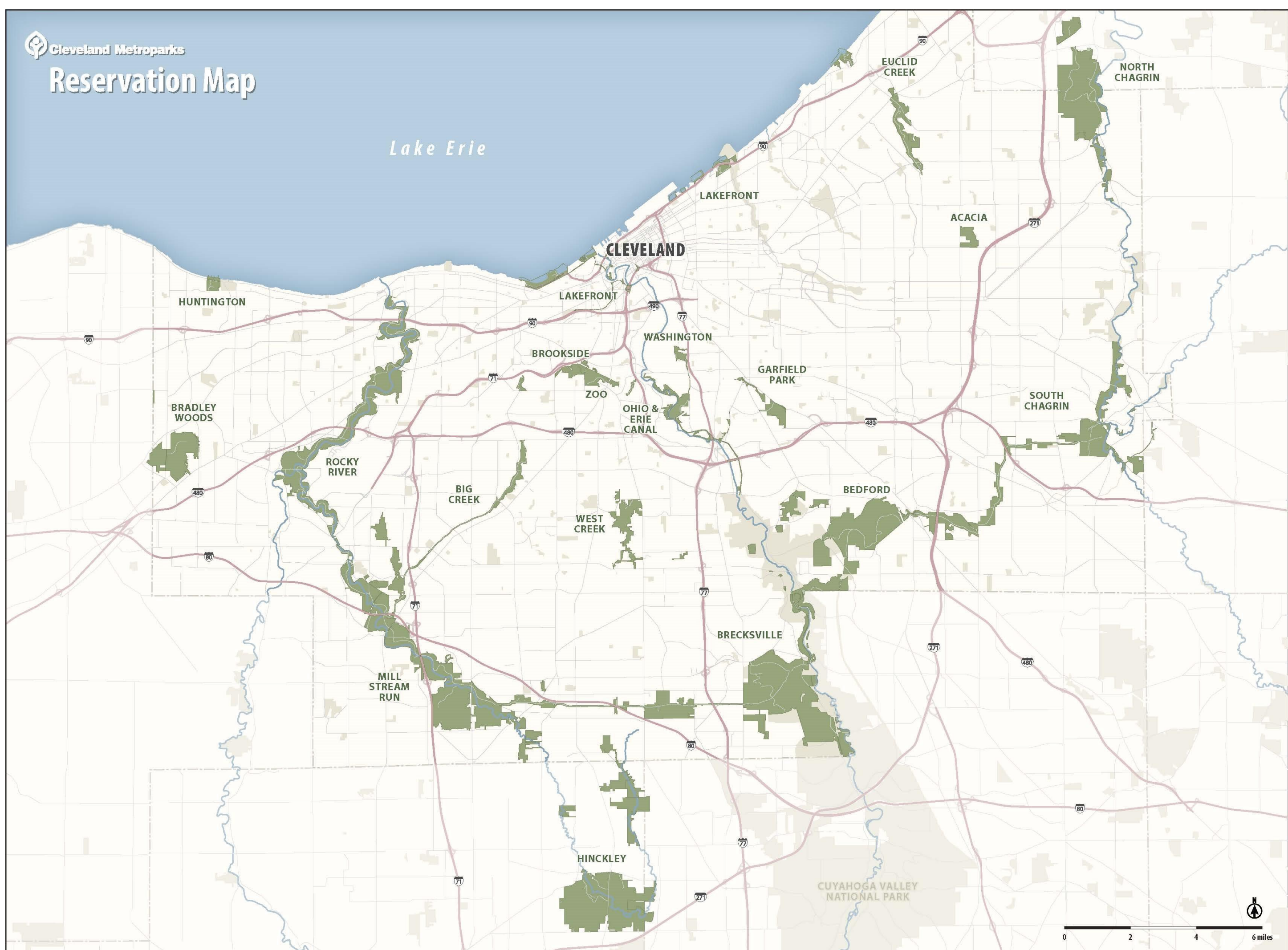
Sediment & Nutrient Reduction Projects

Jennifer Grieser

August 2026



Cleveland Metroparks
Reservation Map



Cleveland Metroparks Natural Areas



- 18,000 ac. of forest
 - >2.3 million trees
- 3,500+ individual wetlands
- 1,000+ primary headwaters
- 500+ ac. of meadows



Mill Creek Bank Stabilization (current GLSNRP \$\$)

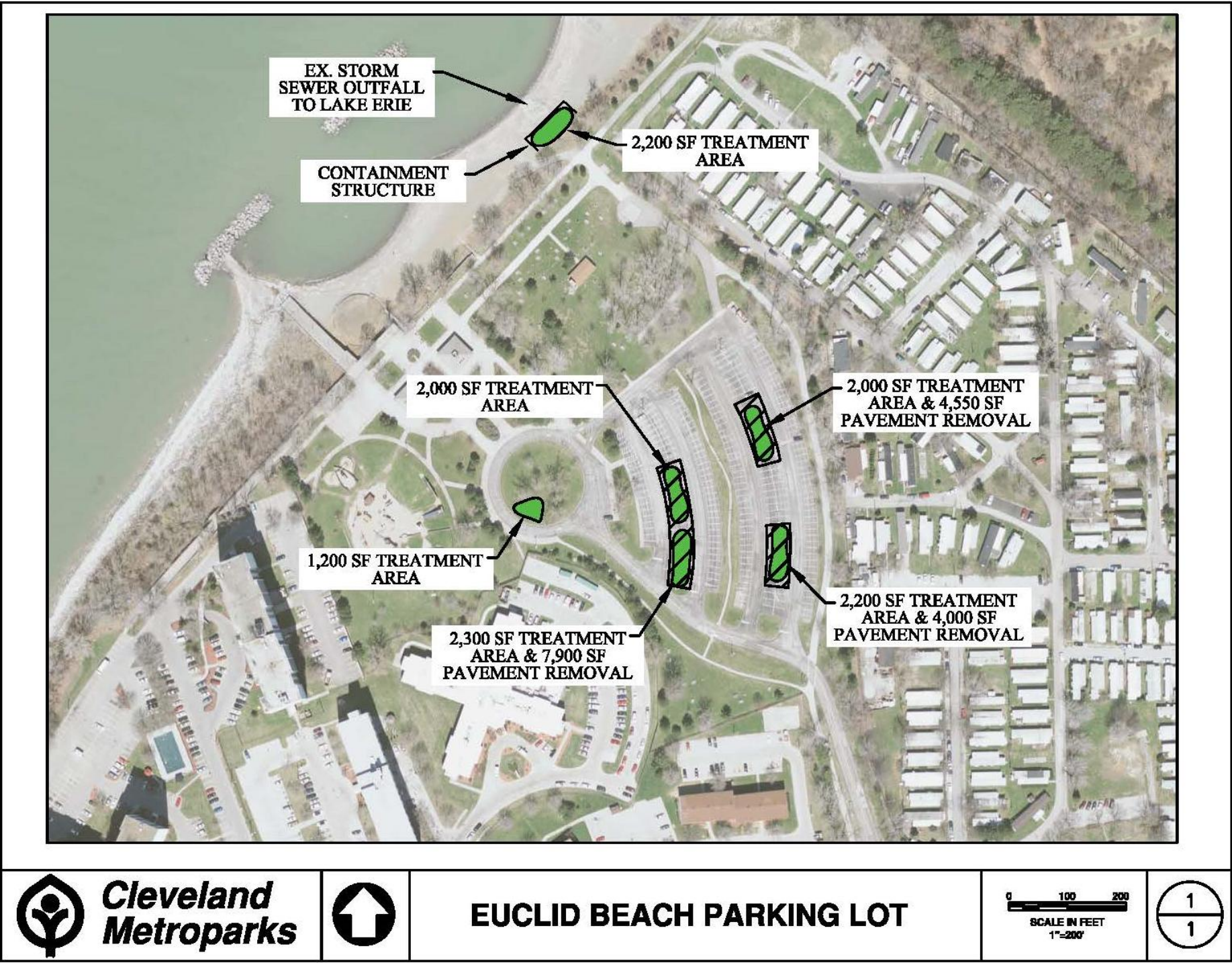


Above: Before, January 2016

Right: After, July 2026



Euclid Beach Bioretention (previous GLSNRP \$\$)



Above: August 2025

Baldwin Creek Dam Removal



Above: Before



Baldwin Creek Dam Removal

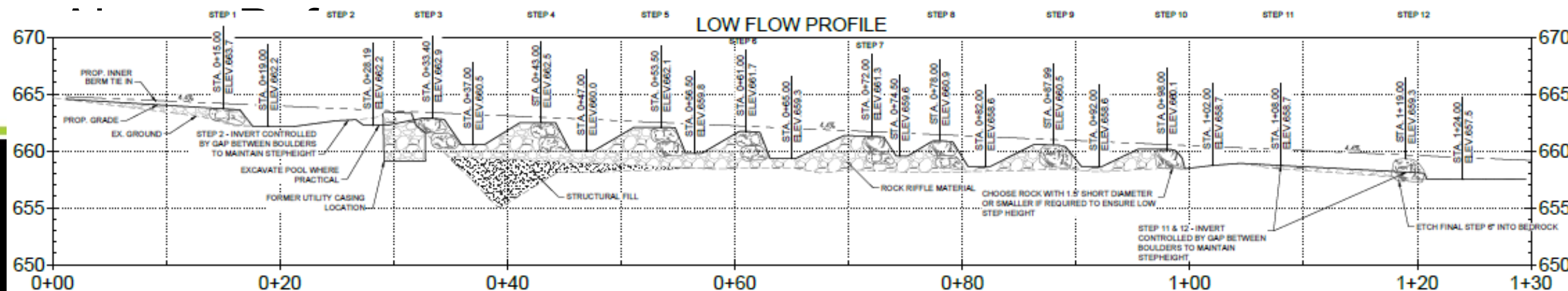
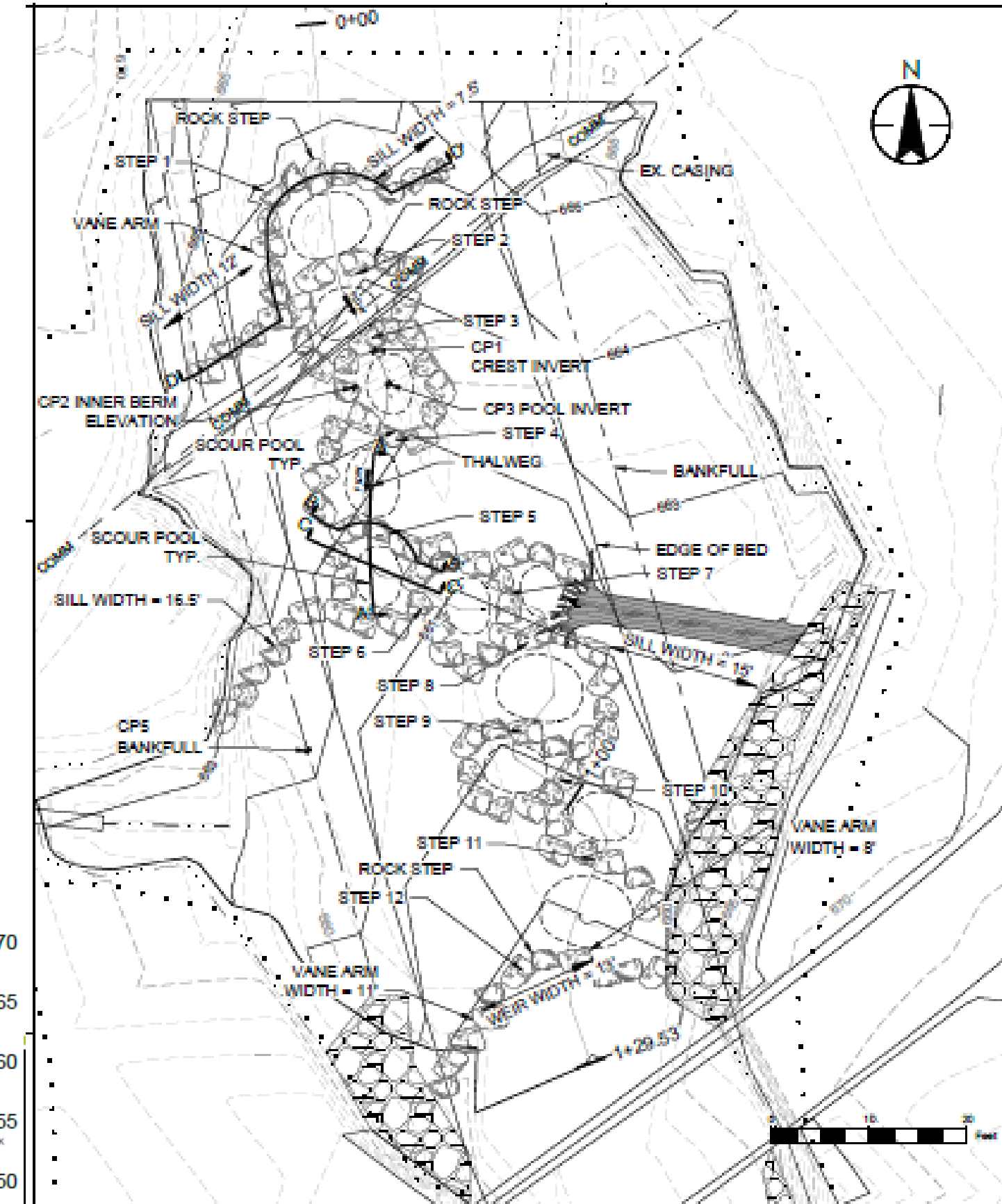
Completed October 2025



July 30, 2026



Wood Creek fish passage



Wood Creek fish passage



July 31, 2026

Algae & nutrient management

Water tech testbed at Garfield Park



LoRaWAN
Gateway



Water quality
monitoring station

Pond inlet
overtopping
sensors

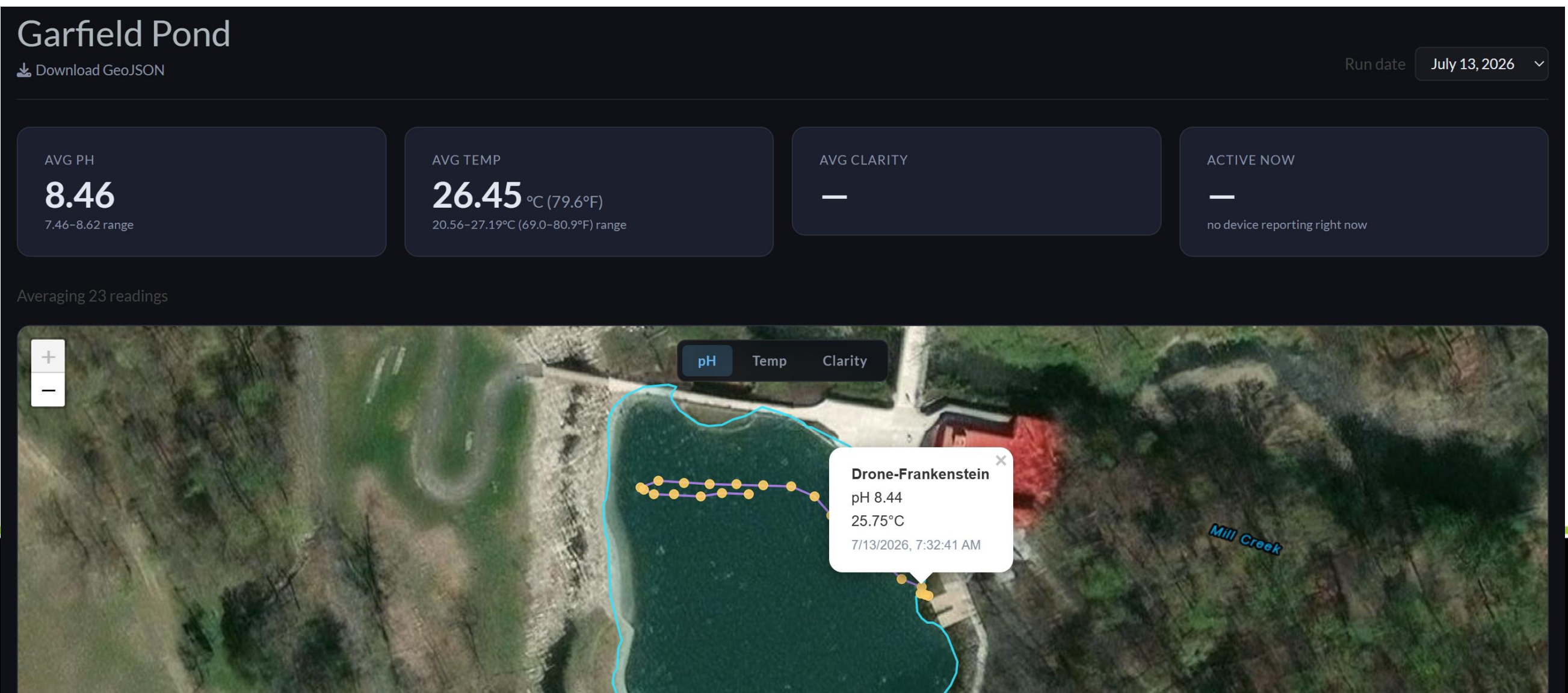


Stream level monitoring
with text flood alerts



Bacterial monitoring for
safe recreational use

Caddis Tech



Nature-based shoreline

Before, September 2024



After, August 2024





Habitat Loop – Axon Diagram



Habitat Loop – Touch The Water



♥ I-90



Touch the Water Moment



Multi-use Lawn



Sound Berm



Submergent Marsh

◀ Green-winged Teal

Savannah Sparrow ▶

^ Meadow Larks

Semipalmated Plovers

^ Killdeer

