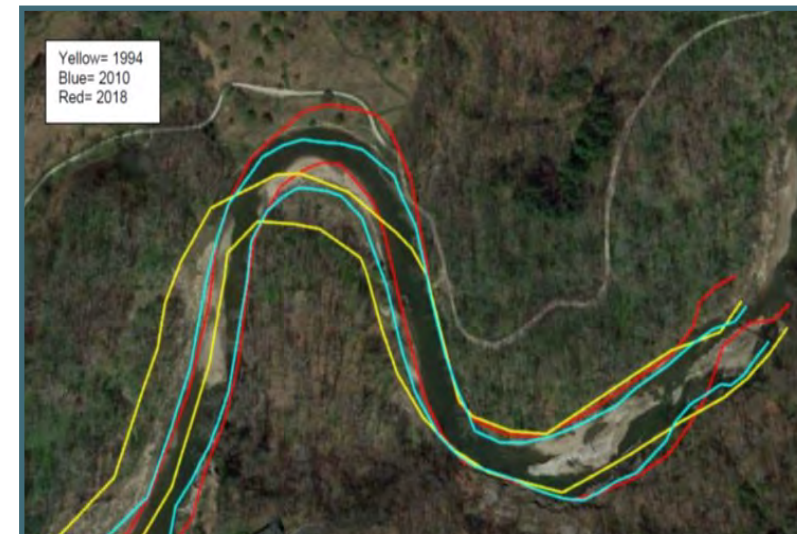
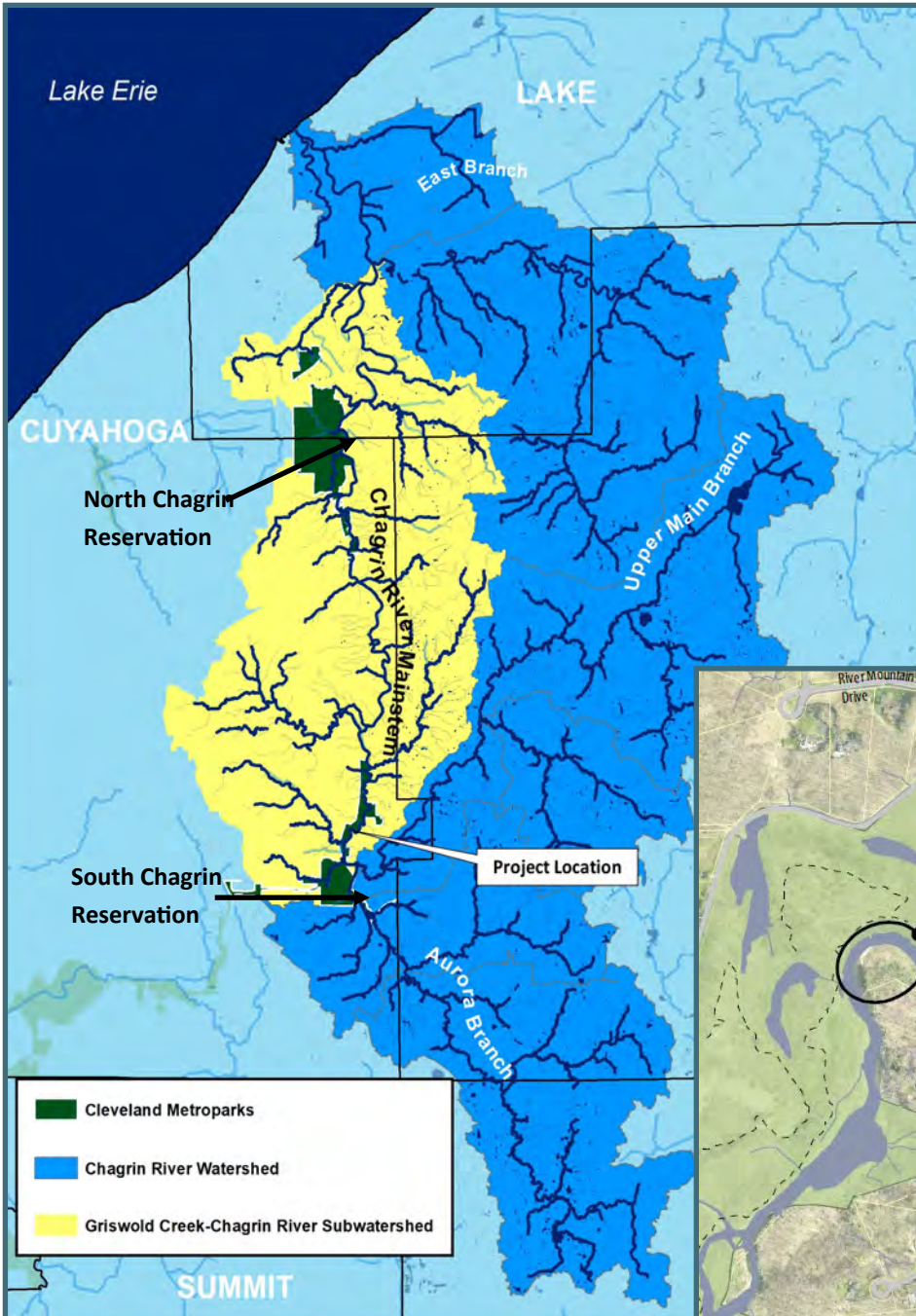


Chagrin River Restoration Project

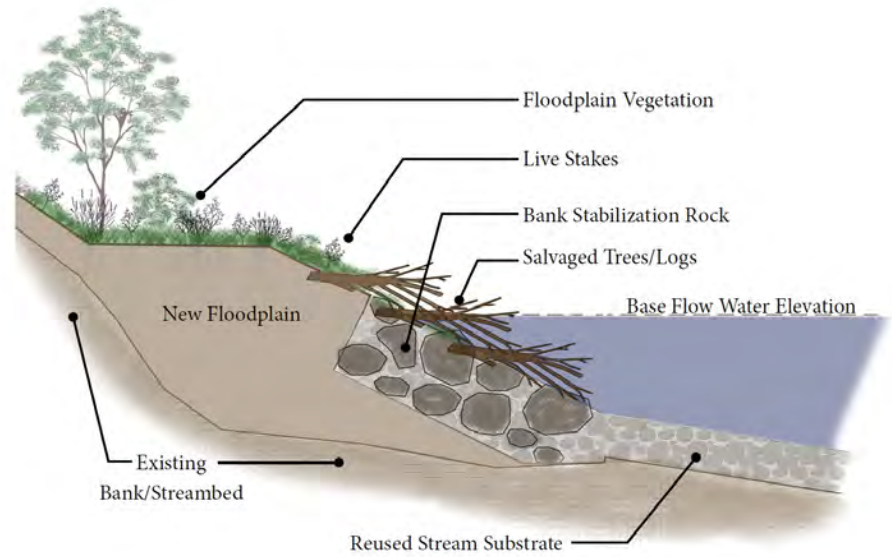
Jackson Field at South Chagrin Reservation, Cleveland Metroparks

The Chagrin River that flows near Jackson Field in Cleveland Metroparks South Chagrin Reservation is a designated State Scenic River surrounded by wetland and forest. Over the last 20 years, this stretch of the Chagrin River has eroded over 200ft, cutting off floodplain access and contributing to excessive sediment pollution. Chagrin River Watershed Partners assisted Cleveland Metroparks in obtaining an Ohio Section 319 grant that helped restore over 600 linear feet of streambank, reestablish .75 acres of floodplain, and improve fish habitat at the site.



The Chagrin River at Jackson Field moved over 200ft in the last 20 years.

The restoration project was constructed from January through March of 2021 using a variety of bioengineering techniques. A new floodplain bench was created to reconnect the river to the floodplain. Rock, gravel and sediment from the existing stream bed, salvaged trees and logs from the site, and bendway weirs were used to help stabilize the streambanks and shift the river into a more stable alignment. Live stake plantings and native vegetation provide further stabilization of the streambanks and help to prevent erosion and filter sediment.



Bendway weirs are low lying rock structures angled upstream that help train the flow of the river to reduce erosion.



Before



Significant erosion leads to excessive sediment and lower water quality.

After



The streambank stabilization decreases erosion, improves in-stream habitat, reduces sediment and nutrient loading, and restores natural flow.



RiverReach Construction



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