

STREAM RIFFLE

Provides refuge, spawning and feeding areas for fish such as White Suckers, Steelhead, and Darters. The gravel substrate helps benthic (bottom dwelling) organisms establish.

RIPARIAN BUFFER

Helps filter sediment and pollutant loading such as nitrogen, phosphorus and pesticides from reaching the stream corridor. Over hanging vegetation cools the stream and provides valuable habitat.

TREATMENT DEPRESSION

Treats rainwater runoff after storm events, improving on site and off site water quality, prior to discharging into the stream

BANK STABILIZATION

Helps to lessen sediment loading which directly improves on site and off site water quality. Provides shade and habitat for the stream.

OXBOW CHANNEL

Will help slow down water turbulence during and after storm events and provides an environment for enhanced aquatic habitat for the Northern Pike and native plant communities for native species to thrive.

RESTORED FLOODPLAIN

Provides the storage capacity to slow down floodwaters and rainwater runoff, allowing the water to infiltrate into the ground and recharge groundwater.

WEST CREEK WATERSHED

The West Creek watershed encompasses 14 square miles within the communities of Parma, Seven Hills, Brooklyn Heights, Independence, and small portions of the City of Cleveland and Broadview Heights. The West Creek tributary travels 9 miles, discharging into the Cuyahoga River.

GOALS FOR WATERSHED

- Restore West Creek as a dynamic waterway by developing water protection initiatives and improving stormwater management practices.
- Restore and integrate nature in a developed urban environment utilizing the West Creek Valley.
- Protect undeveloped land in the West Creek Watershed.
- Develop a concept plan for a greenway, nature preserve and regional trail connections using scientific data as a base to create a design that is integrated with the characteristics of West Creek and its watershed in a sustainable manner.
- Develop best management practice guidelines and design tools for the West Creek Watershed to protect human health, improve water resource dynamics and build economically stronger communities for the future.
- Incorporate West Creek Watershed topics into school curricula and public education programs, including water quality, plant and animal habitat, geology and local history.
- Devise implementation steps to guide prioritization of watershed issues and trail development and identify funding opportunities available to initiate projects and continue the momentum of restoring the watershed.

FOR MORE INFORMATION VISIT
WWW.WESTCREEK.ORG

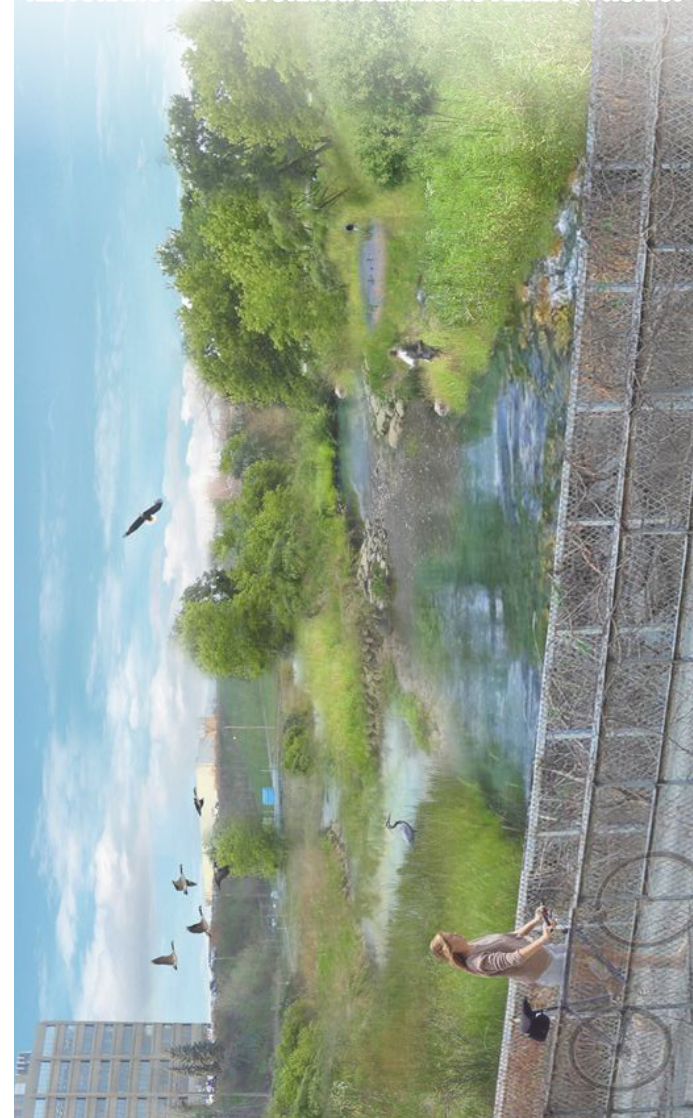


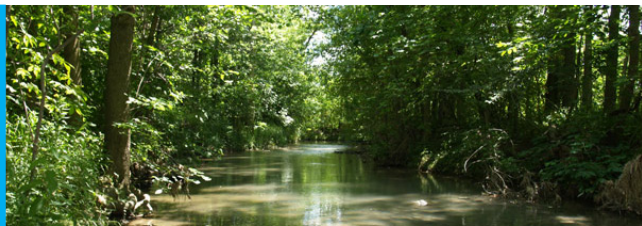
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WEST CREEK CONFLUENCE

RESTORATION AND STORMWATER IMPROVEMENT PROJECT





PROJECT DESCRIPTION - The project is a partnership between the Northeast Ohio Regional Sewer District (NEORS), the City of Independence, and West Creek Preservation Committee (WCPC) and is part of the larger West Creek Stream Restoration Masterplan. The project represents a nationally significant example of a successful urban watershed restoration program focused on fishable and swimmable streams. The confluence project is on the critical 10 acre site where the 14 square mile West Creek watershed discharges into the Cuyahoga River. Restoration of the site will provide significant improvements to water quality and habitat functions upstream. This project was funded in part by a Coastal Management Grant supported by the National Oceanic and Atmospheric Administration (NOAA) through the Ohio Coastal Management Program (OCMP). Additional funding was provided by the Ohio EPA Water Resource Restoration Sponsorship Program and the EPA 319 Program.