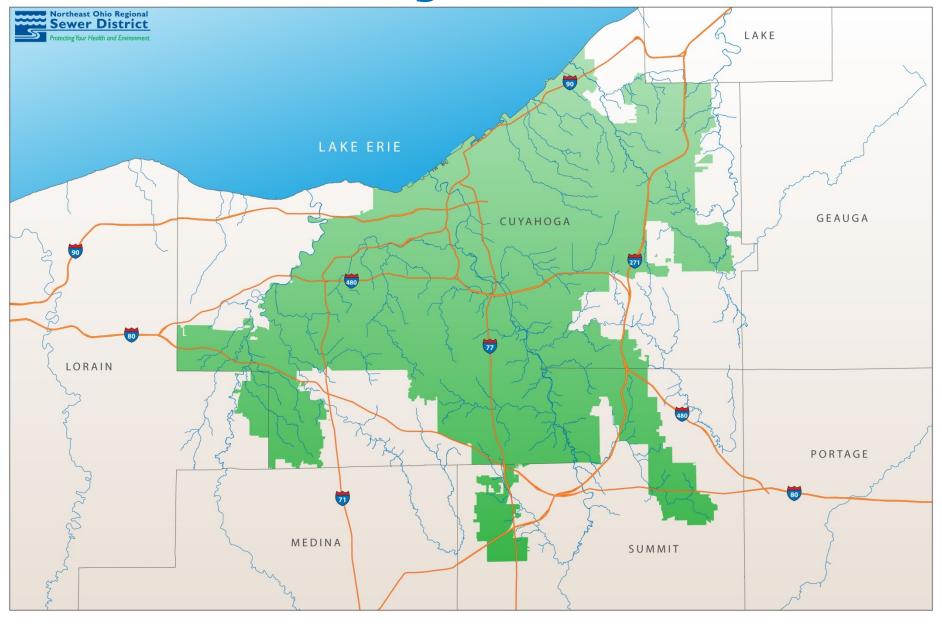
#### **Northeast Ohio Regional Sewer District**



**County Boundary** 

Interstate

— River/Stream

Stormwater Service Area



The Sewer District: COMBINED SEWER OVERFLOW CONTROL

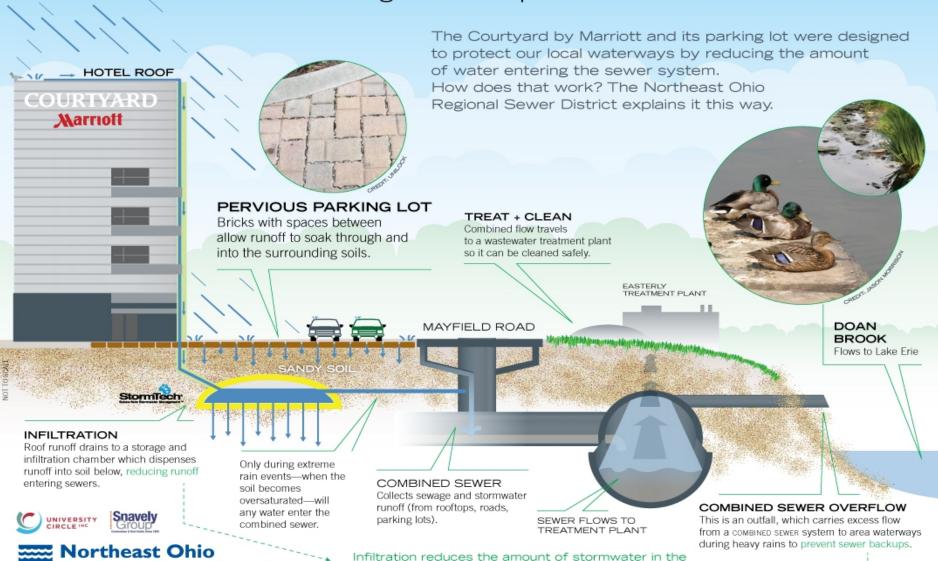
## **Project Clean Lake**





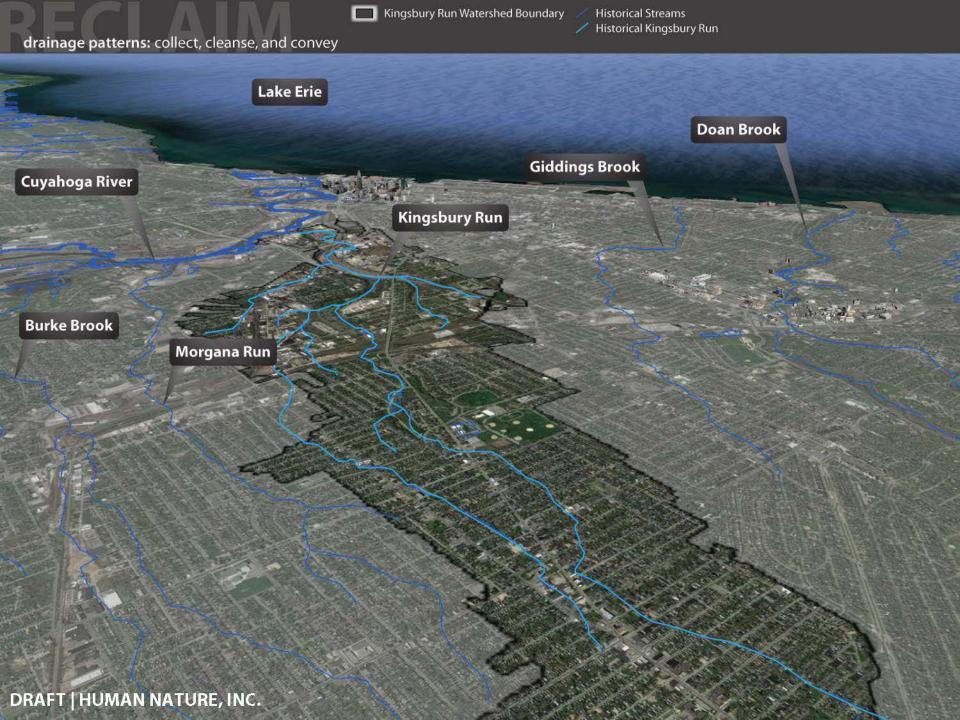
## Keeping our Great Lake great.

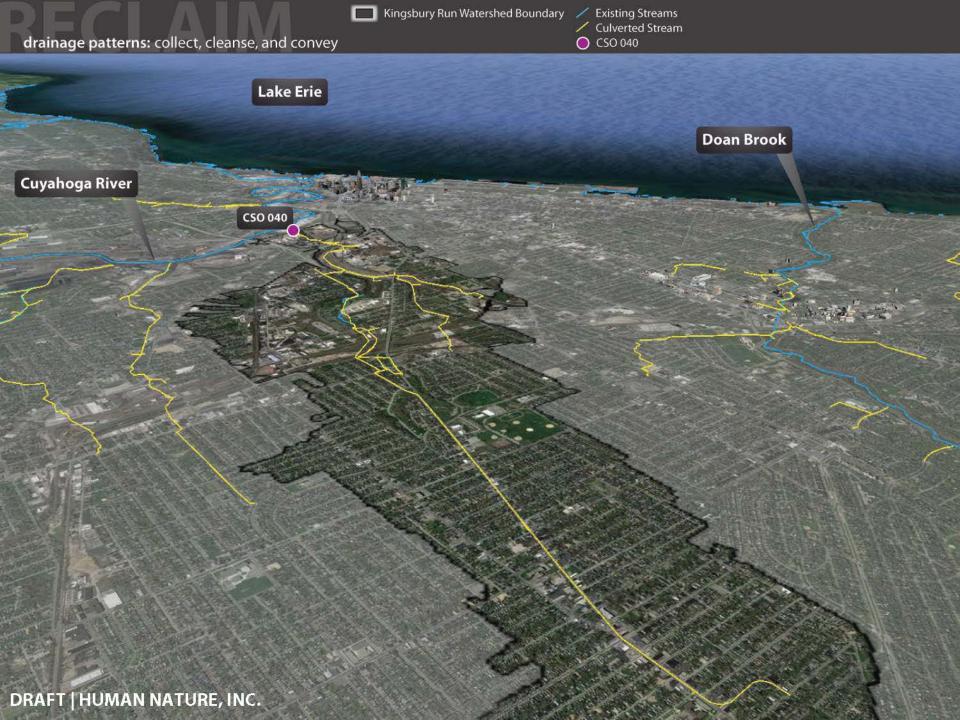
How hotel drainage works to protect Doan Brook and Lake Erie



combined sewer, thereby reducing overflows and pollution.

**Regional Sewer District** 







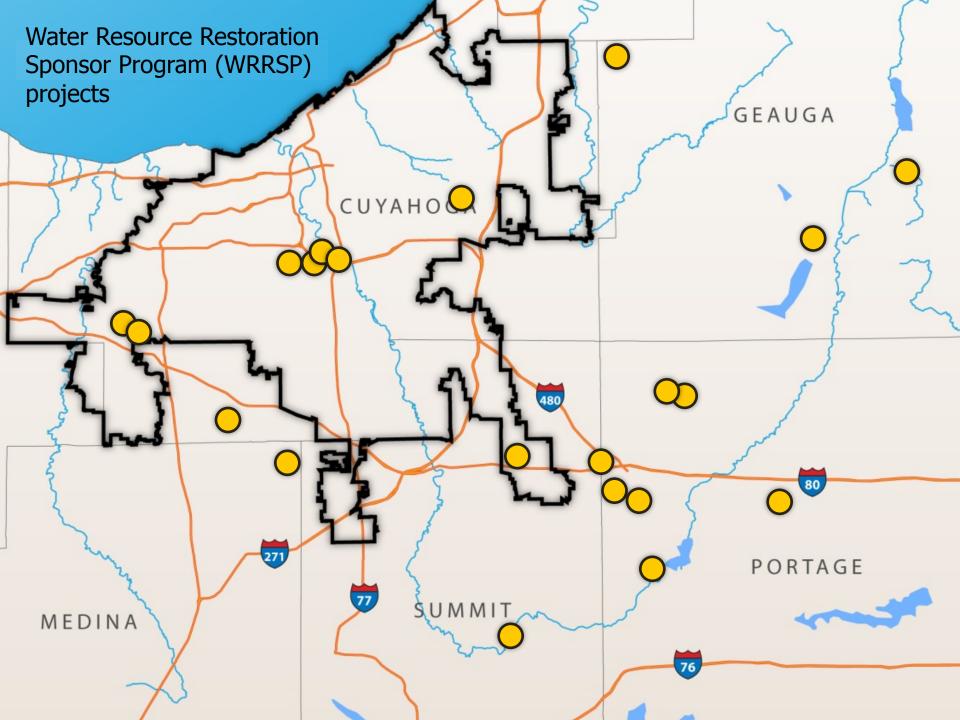


The Sewer District: REGIONAL STORMWATER MANAGEMENT

# Flooding, erosion, and water quality









# \$31 million



# 2,500 acres

of preserved property, including 600 acres of high quality wetland

# 7 dams femovec

## 12 miles



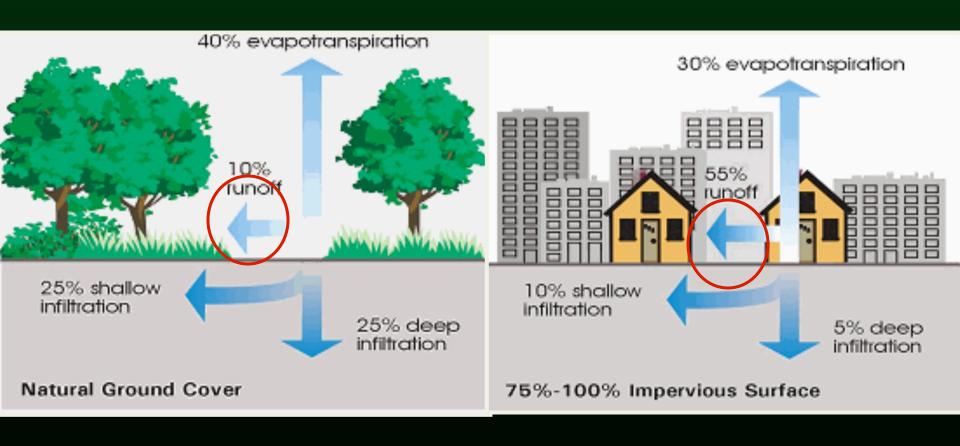
# 21,000 feet



#### **Stormwater Fees & Credits**

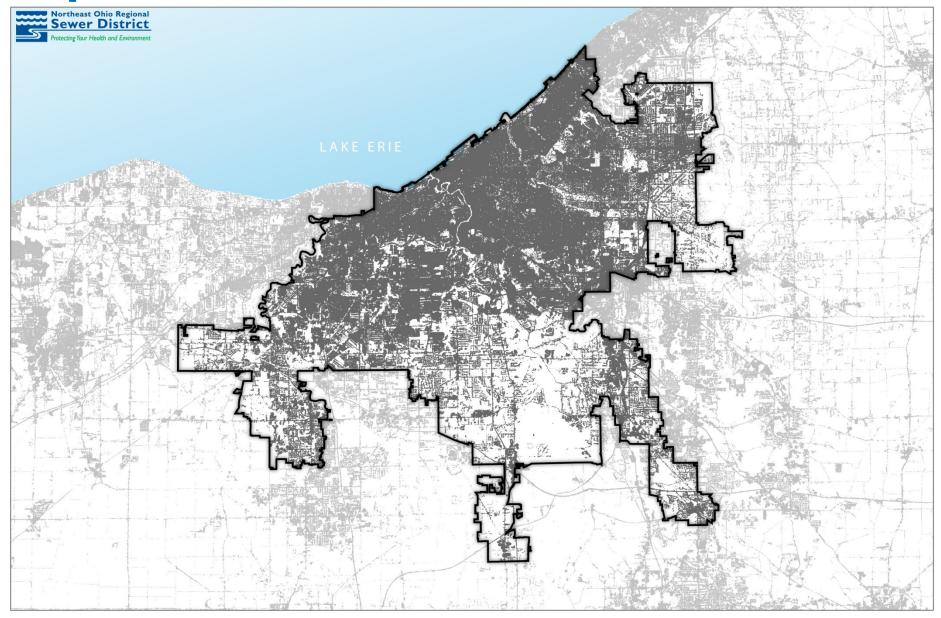
- Estimated revenue of \$38M/year from new impervious surface fee
  - Inspection and Maintenance
  - Construction
  - Partner support
- Stormwater Fee Credits recognize on-site Stormwater Control Measures
  - Quantity Credit
  - Quality Credit
  - Education Credit
  - Individual Residential Credit

## Impervious Surface = Stormwater Runoff Stormwater Runoff = Flooding & Erosion





#### **Impervious Surfaces**



#### \$680,000 in operating support since '09



#### Northeast Ohio Considerations....

- Pull the levers available:
  - CSO: Promote stormwater solutions to stormwater problems
  - MS4/Phase II/General Construction
    Permit: Low impact development options are the most cost-effective

 Solve problems the general public cares about: Flooding & erosion impact more folks than water quality



#### Northeast Ohio Considerations....

- Focus on land protection: Headwater protection is the most cost-effective stormwater management
- Look at building and zoning codes you get what you zone for.....
  - Riparian & wetland setback zoning
  - Comprehensive stormwater management
  - Subdivision codes
  - Parking requirements
  - Floodplain management codes

