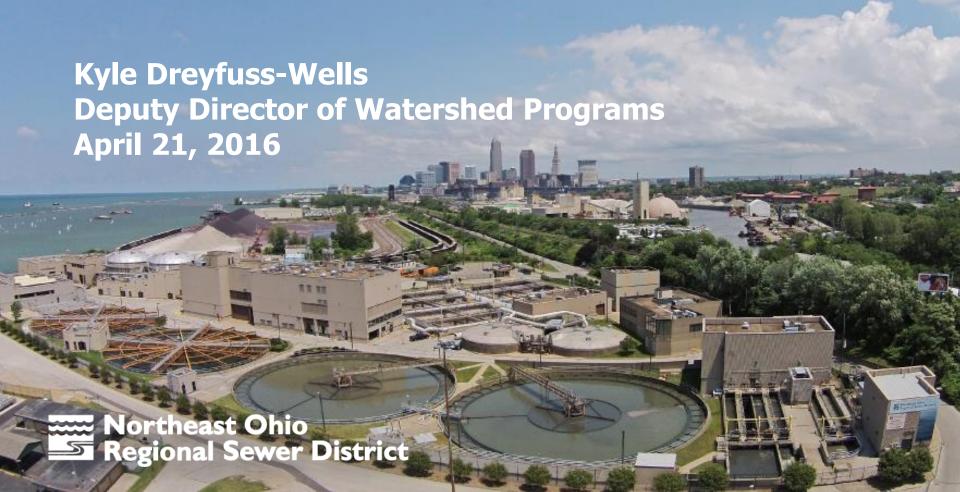
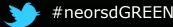
Land & Water:

Fixing Combined Sewers and Managing Stormwater for Clean & Abundant Fresh Water







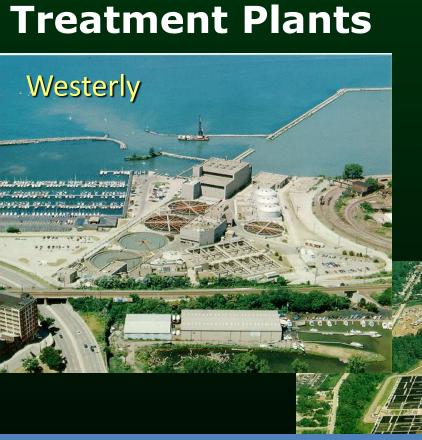




- Sanitary & regional stormwater services to Cleveland and 61 member communities
- Water quality monitoring
- Lake Erie beach monitoring and maintenance

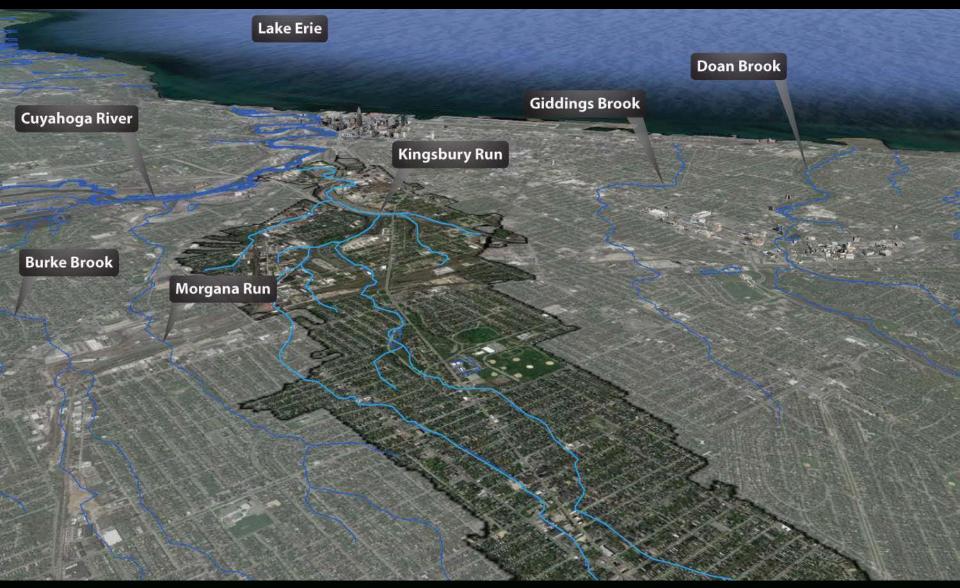
Easterly

We Own and Operate 3 Wastewater

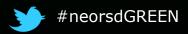


- 1 million customers
- 90+ billion gallons treated annually
- 330 miles of sewers
- 400 miles of Regional Stormwater System

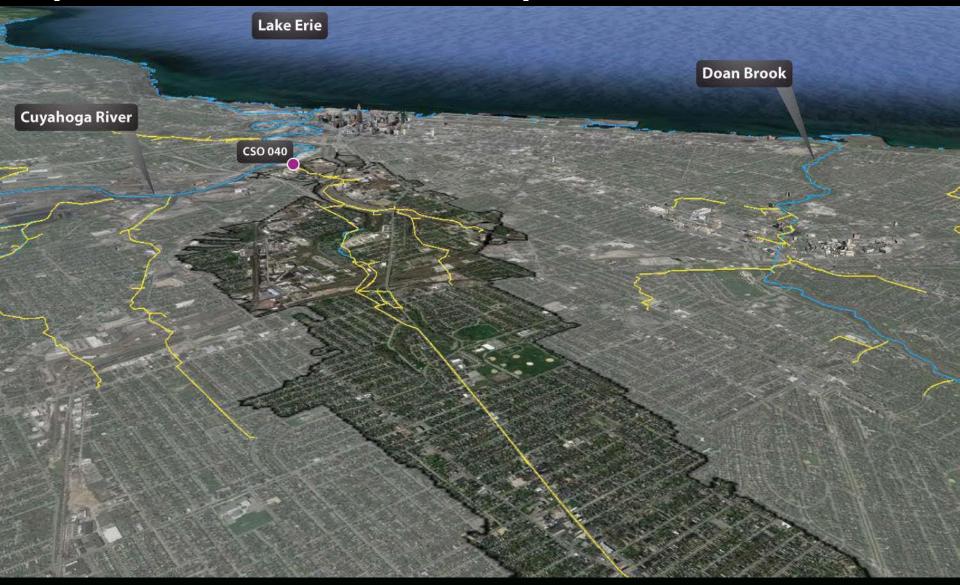
Cleveland's Historic Watercourses



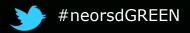




Replaced Watercourses with Pipes & Combined Sewers







Legacy Problems Combined Sewer Overflow

WARNING: OVERFLOW EVENT PUBLIC ADVISORY

STORMWATER AND SEWAGE OVERFLOWED TO THIS BEACH AREA ON

As a result, the beach area and water may have been affected. Visitors - particularly children, the elderly, and those in ill health are advised to avoid contact with the water and debris.

FOR MORE INFORMATION ABOUT

NORTHEAST OHIO REGIONAL SEWER DISTRICT CSO INFORMATION HOTLINE (216) 432-7330 | www.NEORSD.org

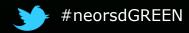
WATER QUALITY NOWCAST: POOR beach to predict bacterial levels that may be present in the water. DATE ATTHE POOR WATER QUALITY IS PREDICTED TODAY COMBINED SEWER OVERFLOWS (CSO) CLEVELAND DEPARTMENT OF PUBLIC HEALTH OF HEALTH



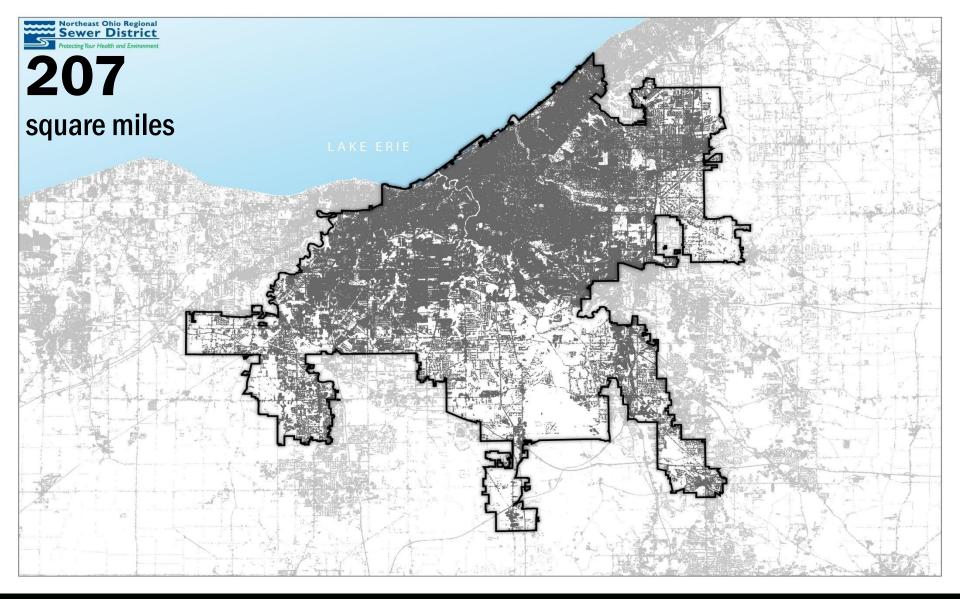
Replace Functional Landscape with Hard Surfaces: Stormwater sink to stormwater source



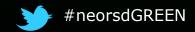




On-Going Impacts: Impervious Surfaces







Stormwater problems across NE Ohio:

Flooding, erosion, poor water quality





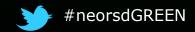
Northeast Ohio Regional Sewer District WEATHER PROGRAMS





- \$3 billion in 25 years
- Combined sewer overflow control
- Sewer fees

- \$41 million annually
- Flooding & erosion
- Impervious surface fee

















Green Infrastructure Policy

Actively Pursue Implementation and Maintenance of Green Infrastructure **Across Sewer District Programs**





Green Infrastructure Funding: \$500,000 to West Side Market Parking Lot Renovation, 2.6 MG of stormwater controlled annually.



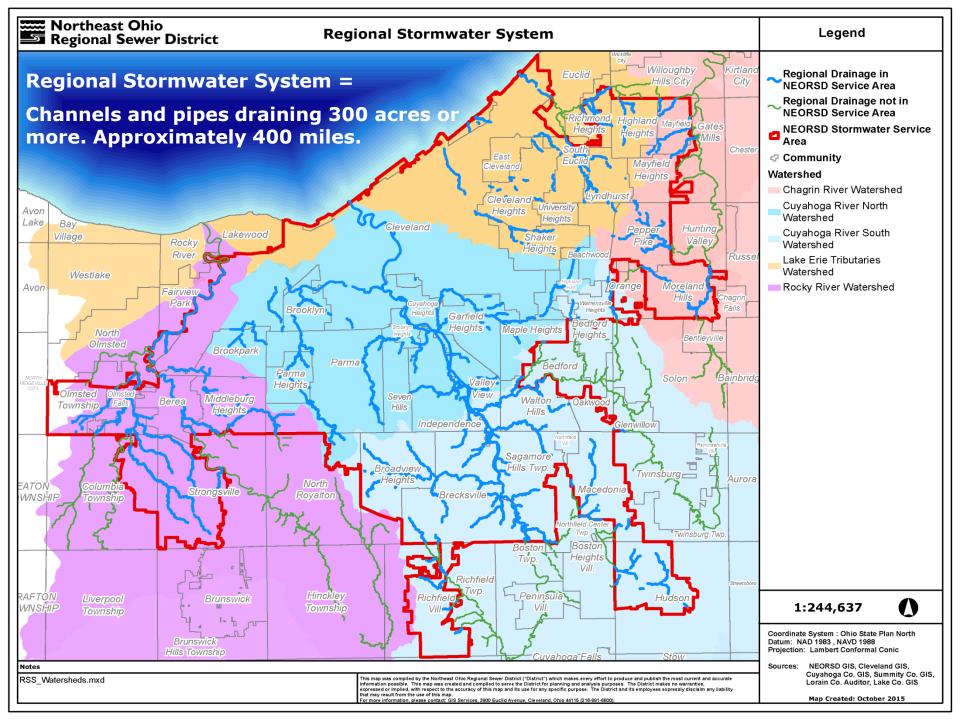


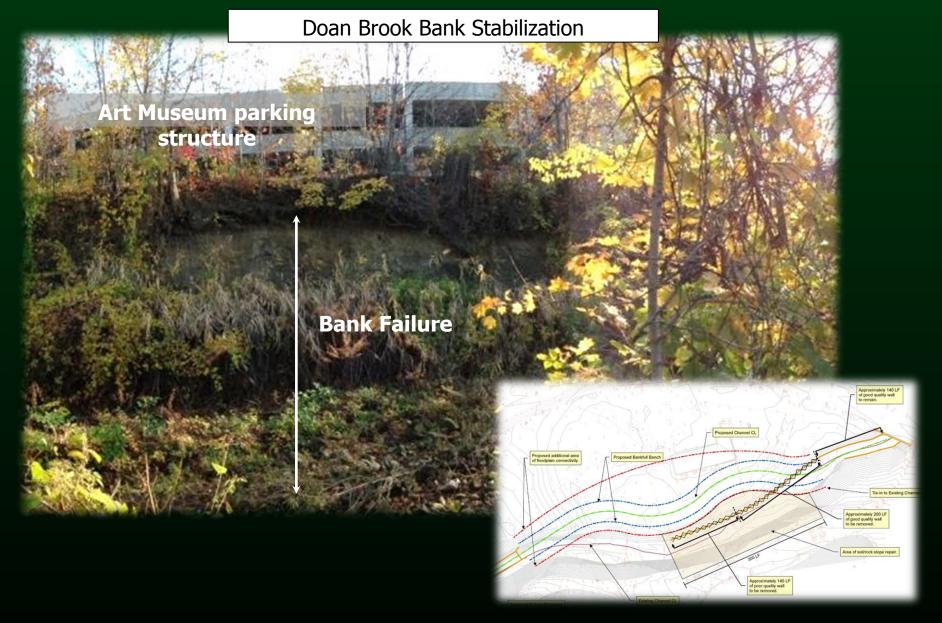
REGIONAL STORMWATER MANAGEMENT PROGRAM

Addressing flooding, erosion, and water quality













Highland Park Golf Course Stream Restoration Mill Creek Highland Hills





Stormwater Fee

2016 Base Rate = \$5.15 per ERU per month Billing to begin second half 2016

- Impervious Area (IA)
 - Billing Unit = Equivalent Residential Unit (ERU)
 - > ERU = 3,000 square feet of IA

Stormwater Fee

2016 Base Rate = \$5.15 per ERU per month Billing to begin second half 2016

- Property Classification
 - SFR: Single Family Residential
 - NSFR: Non-Single Family Residential

Stormwater Fee

2016 Base Rate = \$5.15 per ERU per month Billing to begin second half 2016





Stormwater Fee Credits

- Stormwater Fee Credits recognize on-site Stormwater Control Measures
 - Quantity Credit
 - Quality Credit
 - Education Credit
 - Individual Residential Credit



Raingarden

Stormwater Fee Credits



Detention Basir

Good Stormwater
Management =
Disconnection and
Distribution

Pervious Pavement

Retention Pond

Land & Water:

Fixing Combined Sewers and Managing Stormwater for Clean & Abundant Fresh Water

