



NORTHEAST OHIO REGIONAL SEWER DISTRICT



REGIONAL
STORMWATER
MANAGEMENT
PROGRAM

Big Creek Watershed Balanced Growth Partnership March 7, 2018



Northeast Ohio
Regional Sewer District



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Agenda

- Regional Stormwater Management Program
 - *Big Creek Spillway Stabilization*, City of Cleveland
 - *Columbo Park Big Creek Restoration*, City of Parma Heights
- Cuyahoga River North Stormwater Master Planning
- Big Creek Illicit Discharge Remediation

A landscape photograph of a golf course. In the foreground, there is a stream with a rocky bed and a small bridge. The stream flows through a grassy area. In the background, there are several large trees and a golf course green. The sky is overcast.

Stormwater Design and Construction Program

2018 Stormwater Construction

Project Number	Project Name	RSS Asset ID(s)	WAC Watershed	Subwatershed	Project Community	Construction NTP
1320	Shaker Lakes Dam Rehabilitation	DB00056 & DB00101	LED	Doan	Shaker Hts. and Cleveland Hts.	5-Apr-18 (Ant. June 2018)
1369	Beechers Brook Bank Stabilization (Design-Build)	BE00021	Chagrin River	Beechers	Mayfield Village	15-Mar-18
1369	Baldwin Creek Bank Stabilization (Design-Build)	BD000259	Rocky	Baldwin	Parma	19-Apr-18
1515	Spring Creek Culvert Rehabilitation	SP00002	Cuyahoga River North	Spring	Cleveland	10-May-18
1410	Doan Brook Stream and Bank Stabilization	BD 00029	LED	Doan	Cleveland	24-May-18
1409	Colombo Park Stream Restoration- BC00299	BC00299	Cuyahoga River North	Big Creek	Parma Hts	8-Jun-18
1520	Lower Twin Lakes Dam Repair	BC000261B	Cuyahoga River North	Big Creek	Parma	29-Jun-18
1411	Big Creek Stabilization	BC00032	Cuyahoga River North	Big Creek	Cleveland	13-Jul-18
1502	Stickney Creek at Ridge Road- Stream Relocation and Utility Repair (Design-Build)	ST00209	Cuyahoga River North	Stickney	Brooklyn	26-Oct-18

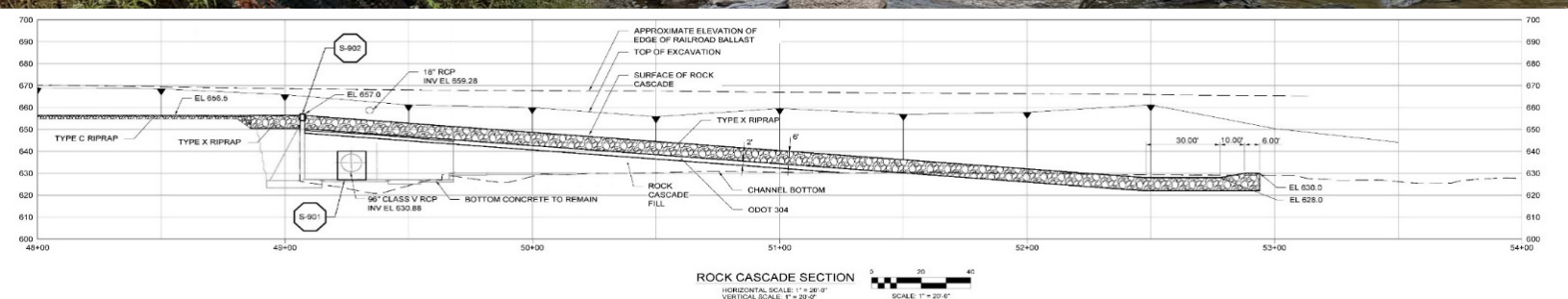
Stormwater Construction

Upcoming Construction

Big Creek Spillway Stabilization

Anticipated Construction: July 2018

Estimated Construction Cost: \$7.3M





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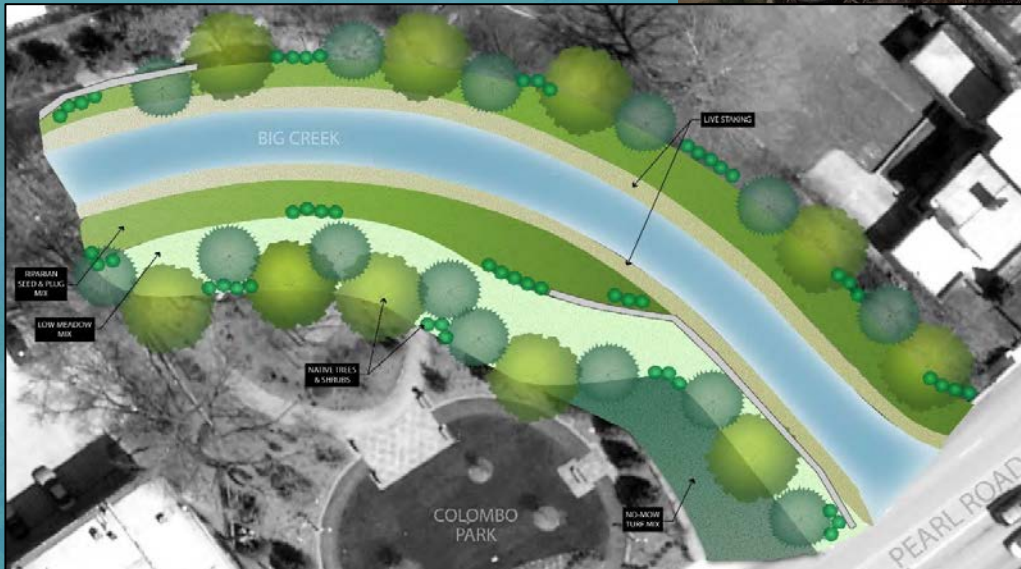
Colombo Park Bank Stabilization

Anticipated Construction NTP April 2018

Est. Construction Cost: \$1.5 M

Project Elements:

- Stabilization of eroding bank to protect sanitary sewer infrastructure
- Stabilization of Big Creek to reduce downcutting
- Riparian and floodplain enhancement

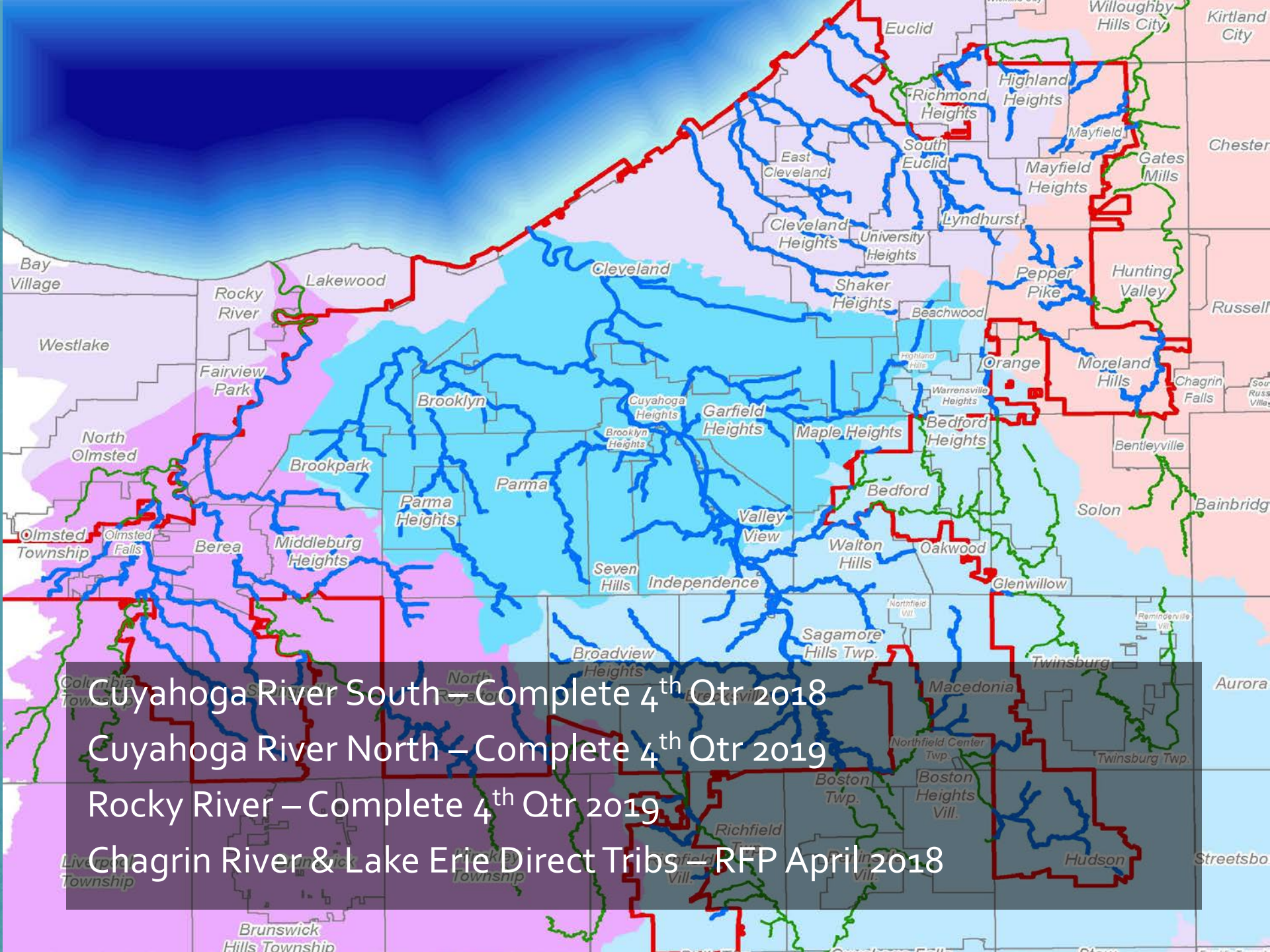




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Cuyahoga River South – Complete 4th Qtr 2018

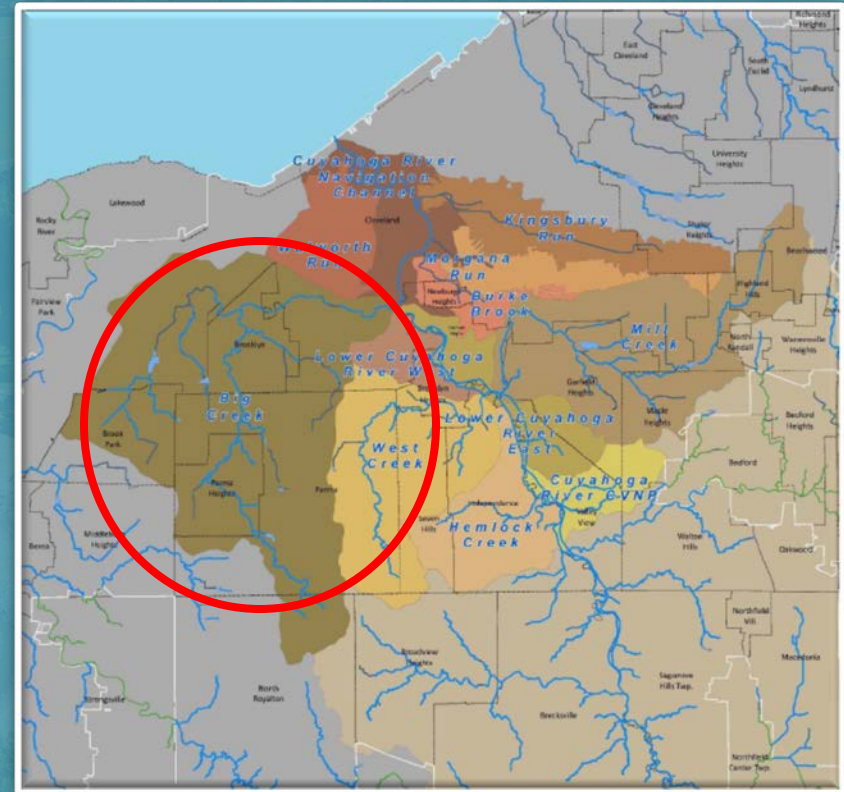
Cuyahoga River North – Complete 4th Qtr 2019

Rocky River – Complete 4th Qtr 2019

Chagrin River & Lake Erie Direct Tribs – RFP April 2018

Cuyahoga River North SWMP

- Total Study Area: 99,000 acres
 - 11 Subwatersheds
 - 23 Member Communities
- Notice to Proceed - February 10, 2017
- \$8.02 million
- 53% Complete (thru 2017)



Stormwater Master Planning Cuyahoga River North

Early Action Projects:

- Twin Lakes Emergency Dewatering & Repair
- Sam's Club/Walmart area in Brooklyn
- Stickney Creek – Ridge Road Sewer

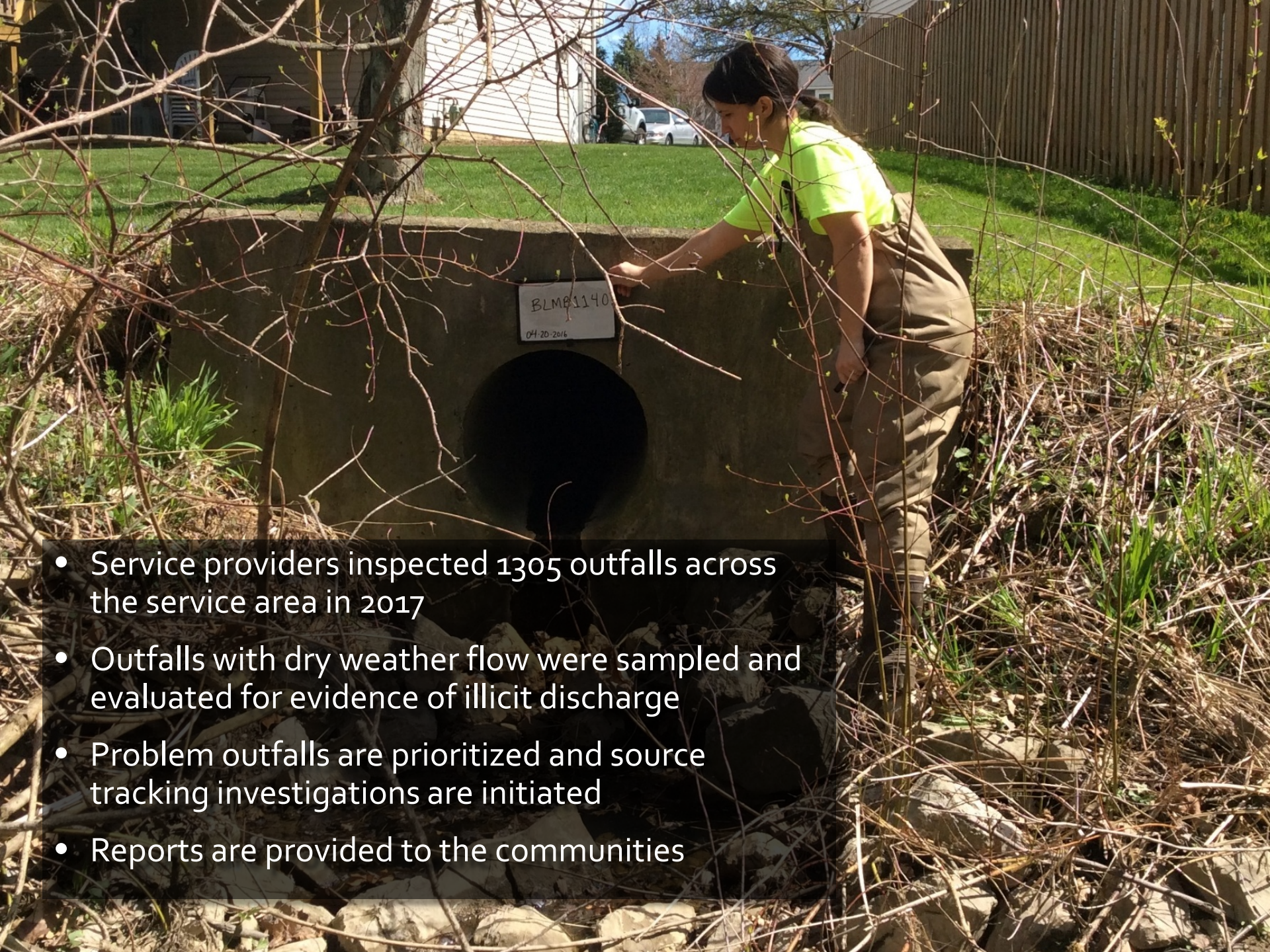
Watershed Advisory Committee

- **Cuyahoga River – North: March 12**
West Creek Stewardship Center
- **Lake Erie Direct / Chagrin River: March 15**
Mayfield Village Civic Center
- **Cuyahoga River – South: March 20**
Valley View Community Center
- **Rocky River: March 22**
Middleburg Heights Community Center

Meetings are from 3:30 to 5:00 p.m.



*Phase II Support Illicit Detection
& Elimination*



- Service providers inspected 1305 outfalls across the service area in 2017
- Outfalls with dry weather flow were sampled and evaluated for evidence of illicit discharge
- Problem outfalls are prioritized and source tracking investigations are initiated
- Reports are provided to the communities





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