Combined Sewer Overflow (CSO) Long-Term Control Plan Consent Decree

Case 1:10-CV-02895-DCN

Semi-Annual Progress Report No. 11

July 27, 2017

Northeast Ohio Regional Sewer District

July 27, 2017

Chief, Environmental Enforcement Section
Environmental and Natural Resources Division
U.S. Department of Justice
Box 7611 Ben Franklin Station
Washington, D.C. 20044-7611

Chief, Water Enforcement and Compliance
Assurance Branch
U.S. Environmental Protection Agency
Region 5
77 West Jackson, Blvd.
Mail Code C-15WC
Chicago, IL 60604-3590

Nicole Cantello
Associate Regional Counsel
U.S. Environmental Protection Agency
Region 5
77 West Jackson Blvd., Mail Code C14J
Chicago, IL 60604—3590

Chief, Environmental Enforcement Section
Office of the Ohio Attorney General
30 East Broad Street, 25th Floor
Columbus, Ohio 43215-3400

Chief, Division of Surface Water
Ohio Environmental Protection Agency
50 West Town Street, Suite 700
Columbus, Ohio 43215

Re: Consent Decree Case 1:10-CV-02895-DCN
Semi-Annual Progress Report No. 11

To Whom It May Concern:

The NEORSD is pleased to submit the enclosed Semi-Annual Progress Report (Progress Report) pursuant to Section IX of the above referenced Consent Decree. This Progress Report covers the period from January 1, 2017 through June 30, 2017.

Sincerely,

Kyle Dreyfuss-Wells
Chief Executive Officer

Cc: E. Luckage
D. Marshall/Project Clean Lake File

TABLE OF CONTENTS

1. Current Reporting Period Consent Decree Requirements (IX. Paragraph 46.a.)

2. Current Work and Next Reporting Period Projected Work (IX. Paragraph 46.b.)

3. Current Reporting Period Consent Decree Submissions (IX. Paragraph 46.c.)

4. Certification Statement (IX. Paragraph 48)

ATTACHMENT 1: Flow and Rainfall Monitoring for Engineering and Construction Projects Standards and Protocols Version 2.0

APPENDIX: Current CSO and Bypass Reports Submitted to OEPA (IX. Paragraph 46.d.).

1. Current Reporting Period Consent Decree Requirements (IX. Paragraph 46.a.)

"A statement setting forth the deadlines and other terms that NEORSD is required by this Consent Decree to meet since the date of the last Semi-Annual Progress report, whether and to what extent NEORSD has met these requirements, and the reasons for any noncompliance".

Table 1: Current Reporting Period CD Requirements

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Compliance Status
Consent Decree Paragraph 26/ Appendix 5	Federal Supplemental Environmental Project – Collection and Disposal of Household Hazardous Waste at Special Waste Convenience Center or Alternative Location	Conduct and fund at least one collection day per month for four years or until NEORSD spends at least $1,000,000 in creditable operating expenses, whichever is longer	Monthly starting no later than April 30, 2011	In compliance: On March 24, 2011, the NEORSD and Cuyahoga County Solid Waste District (CCSWD) entered into an intergovernmental agreement for the collection and disposal of Household Hazardous Waste. First collection was held on April 28, 2011. 11 collections occurred during the reporting period at a NEORSD expenditure of $86,309.38. To date, 145 collections have occurred at a NEORSD expenditure of $866,150.28. Note: CCSWD submitted a revision to their 2016 4th quarter report on February 1, 2017, and were paid. The revision was an increase of $14,675.48 in District pay-out from the original report. This difference is reflected in the current semi-annual total.

Table 1: Current Reporting Period CD Requirements

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Compliance Status
Consent Decree Paragraph 36/ Appendix 6	State Supplemental Environmental Project – Canal Pump Station Operation and Maintenance	Commence operation and maintenance of pump station following completion of Canal Pump Station construction Or Payment of $800,000 to USEPA within sixty (60) days after NEORSD receives notice from OEPA that the Canal Diversion Dam Removal will not be implemented, or by January 31, 2012 whichever occurs later	TBD	In compliance: Operation and maintenance activities cannot begin until design and construction of the pump station are completed by others which are dependent upon the outcome of an assessment of the environmental impacts for the Canal Diversion Dam Removal in the Cuyahoga Valley National Park. The Environmental Assessment, necessary to comply with the National Environmental Policy Act (NEPA), is complete. Consultation with the Ohio Historic Preservation Office is complete and the resulting Memorandum of Agreement (MOA) is ready for signature by the National Park Service. A project stakeholder meeting, in which NEORSD will participate as a stakeholder, will be held in the fall of 2017 followed by commencement of design-build of the project.

Table 1: Current Reporting Period CD Requirements

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Compliance Status
Consent Decree Appendix 2 Section 2.6.2	Progress Reports to the Public	Public outreach activities will continue with periodic updates using various media	N/A	In compliance: 2 blog posts and updated neorsd.org content regarding Project Clean Lake-related projects, funding or initiatives between January and June 2017 http://neorsd.org/blog Hosted "Sewer University (SewerU)" presentation May 17, 2017 offering attendees an overview of the history of NE Ohio sewers, water quality, and future challenges and opportunities. CSO control and Project Clean Lake was important content. Project Clean Lake was critical content during Infrastructure Week May 15-19 which welcomed media guests for tours and special presentations. 1 public meeting discussing Project Clean Lake construction updates.
Appendix 1 Control Measure 1	Easterly WWTP - Increase secondary capacity from 300 MGD to a sustained capacity of 400 MGD	Bid Year: 2014 Achievement of Full Operation: 2016	December 31, 2014 December 31, 2016	Substantially in compliance: 400 MGD hydraulic capacity construction complete and operational. Completed construction of chemical feed system.

2. Current Work and Next Reporting Period Projected Work (IX. Paragraph 46.b.)

"A general description of the work completed within the Six-month Period, and a projection of work to be performed pursuant to this Consent Decree during the next or succeeding Six-month Period. Notifications to the U.S. EPA and Ohio EPA of any anticipated delay shall not, by itself, excuse the delay".

Table 2a: Description of this Reporting Period's Current Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Current Period Work Summary
Appendix 3	Implementation of GI Plan	Implementation of GI Plan within eight (8) years of Entry of Decree	July 7, 2019	Initiated site-specific post construction monitoring of the Fleet Avenue GI Project. The estimated post-gray CSO reduction for this project is 0.5 MG. Initiated site-specific post construction monitoring of the Green Ambassador Fairhill/MLK project. The estimated post-gray CSO reduction for this project is 2.4 MG. Initiated site-specific post construction monitoring of the Green Ambassador Urban Agriculture project. The estimated post-gray CSO reduction for this project is 1.6 MG. Continued construction of the E. 140th Street Consolidation Sewer project. The estimated post-gray CSO reduction for this project is 5.8 MG. Construction Notice to Proceed (NTP) issued June 6, 2017 for the Union/Buckeye GI Project. The estimated post-gray CSO reduction for this project is 1.0 MG. Construction bids received for the Woodland Central GI project on June 16, 2017. The estimated post-gray CSO reduction for this project is 4.2 MG.

Table 2a: Description of this Reporting Period's Current Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Current Period Work Summary
Appendix 1 Control Measure 1	Easterly WWTP - Increase Secondary Treatment Capacity	Bid Year 2014 Achievement of Full Operation 2016	December 31, 2014 December 31, 2016	Continued construction. Completed construction of chemical feed system.
Appendix 1 Control Measure 2	Treatment and Disinfection of CSO 001 Using CEHRT	Pilot Testing Report within 42 months of Work Plan Approval	March 20, 2015	Continued design of final facilities. Received Pilot Testing Report Disapproval and comments December 22, 2015. Revised Pilot Testing Report submitted February 17, 2016. Ongoing engagement with EPA to address issues identified in EPA's disapproval of the Pilot Testing Report during scheduled monthly conference calls.
Appendix 1 Control Measure 3	Treatment and Disinfection of CSO 002 using CEHRT in all 6 Quadrants (quads)	Pilot Testing Report within 54 months of Work Plan Approval	March 1, 2017	Design Notice to Proceed for final facilities issued May 8, 2017. Pilot Testing Report submitted March 17, 2016. Disapproval received September 9, 2016. Ongoing engagement with EPA during scheduled monthly conference calls to address issues identified in EPA's disapproval of the Pilot Testing Report. Request for resubmittal deadline extension approved. Resubmittal scheduled for September 1, 2017.

Table 2a: Description of this Reporting Period's Current Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Current Period Work Summary
Appendix 1 Control Measure 4	Southerly WWTP - Treatment of Primary Effluent Bypass Demonstration/Pilot Project	Pilot Testing Report within 42 months of Work Plan Approval	March 20, 2015	Received Conditional Approval of Pilot Testing Report December 22, 2015. Revised Pilot Testing Report submitted February 17, 2016. Ongoing engagement with EPA during scheduled conference calls to address issues identified in EPA's conditional approval of the Pilot Testing Report.
Appendix 1 Control Measure 5	Increase Secondary Treatment Capacity and Treat Primary Effluent Bypass with CEHRT	Commencement of design of plant improvements and PEB CEHRT system within 6 months of approval of pilot report.	Within 6 months from date of approval of pilot report.	Continued design.

Table 2a: Description of this Reporting Period's Current Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Current Period Work Summary
Appendix 1 Control Measure 6	Euclid Creek Tunnel/Dugway Storage System	Bid Year 2010 Achievement of Full Operation 2020	December 31, 2010 December 31, 2020	Easterly Tunnel Dewatering Pump Station (ETDPS): Continued construction. Dugway West Interceptor Relief Sewer: Construction completed and operation initiated. Dugway Storage Tunnel (DST): Continued construction. East 140th Street Consolidation and Relief Sewer: Continued construction. Dugway South Relief and Consolidation Sewer: Continued construction. London Road Relief Sewer: Continued Design. Dugway Regulators and Relief Sewer: Continued Design.
Appendix 1 Control Measure 8	Doan Valley Tunnel System	Bid Year 2017 Achievement of Full Operation 2021	December 31, 2017 December 31, 2021	Doan Valley Tunnel: Received Bids on March 14, 2017. Doan Valley Relief and Consolidation Sewer: Continued Design. Doan Valley Regulators and Relief Sewer: Continued Design.
Appendix 1 Control Measure 9	Superior Avenue Pump Station Upgrade	Bid Year 2016 Achievement of Full Operation 2018	December 31, 2016 December 31, 2018	Continued Construction

Table 2a: Description of this Reporting Period's Current Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Current Period Work Summary
Appendix 1 Control Measure 10	Stones Levee Pump Station Upgrade	Bid Year 2016 Achievement of Full Operation 2017	December 31, 2016 December 31, 2017	Continued Construction
Appendix 1 Control Measure 11	Canal Road In-Line Storage	Bid Year 2017 Achievement of Full Operation 2018	December 31, 2017 December 31, 2018	Continued Construction
Appendix 1 Control Measure 14	Westerly Tunnel System	Bid Year 2020 Achievement of Full Operation 2024	December 31, 2020 December 31, 2024	Westerly Tunnel & Pump Station: Continued design. Westerly Low Level Relief Sewer: Construction Notice to Proceed issued on Feb 14, 2017.
Appendix 1 Control Measure 15	Columbus Road Storage Tank	Bid Year 2018 Achievement of Full Operation 2019	December 31, 2018 December 31, 2019	Westerly Low Level Relief Sewer: Construction Notice to Proceed issued on Feb 14, 2017.
Appendix 1 Control Measure 16	Center Street Storage Tank	Bid Year 2023 Achievement of Full Operation 2024	December 31, 2023 December 31, 2024	Westerly Low Level Relief Sewer: Construction Notice to Proceed issued on Feb 14, 2017.
Appendix 1 Control Measure 17	West Third Street Storage Tank	Bid Year 2024 Achievement of Full Operation 2025	December 31, 2024 December 31, 2025	Morgana Run Regulators and Rehab: Commence design.

Table 2a: Description of this Reporting Period's Current Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Current Period Work Summary
Appendix 1 Control Measure 18	Mary Street Pump Station Upgrade	Bid Year 2015 Achievement of Full Operation 2017	December 31, 2015 December 31, 2017	Continued construction.
Appendix 1 Control Measure 19	Jefferson Avenue Separation	Bid Year 2027 Achievement of Full Operation 2028	December 31, 2027 December 31, 2028	Continued construction.
Appendix 1 Control Measure 20	West 3rd/Quigley Parallel Storage System	Bid Year 2021 Achievement of Full Operation 2021	December 31, 2021 December 31, 2021	West 3rd/Quigley and Westerly Miscellaneous CSO Control: Issued design Request for Proposals and received submittals on May 26, 2017th.
Appendix 1 Control Measure 21	Southerly Tunnel System	Bid year 2024 Achievement of Full Operation 2030	December 31, 2024 December 31, 2030	Morgana Run Regulators and Rehab: Continue design.

Table 2b: Description of Next Reporting Period's Projected Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Next Period Projected Work
Appendix 3	Implementation of GI Plan	Implementation of GI Plan within eight (8) years of Entry of Decree	July 7, 2019	Continue site-specific flow monitoring of the Fleet Avenue GI Project. Continue site-specific flow monitoring of the Urban Agriculture GI Project. Continue site-specific flow monitoring of the Fairhill-MLK GI Project. Continue construction of the E. 140th GI Project. Continue construction of the Union/Buckeye GI project. Commence construction of the Woodland Central GI project.
Appendix 1 Control Measure 1	Increase Secondary Treatment Capacity	Bid Year 2014 Achievement of Full Operation 2016	December 31, 2014 December 31, 2016	Perform startup, shakedown, and training, subject to sufficient wet weather events.
Appendix 1 Control Measure 2	Treatment and Disinfection of CSO 001 Using CEHRT	Pilot Testing Report within 42 months of Work Plan Approval	March 20, 2015	Continue design of final facilities. Receive EPA response on revised Pilot Testing report submitted February 17, 2016.

Table 2b: Description of Next Reporting Period's Projected Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Next Period Projected Work
Appendix 1 Control Measure 3	Treatment and Disinfection of CSO 002 using CEHRT in all 6 Quadrants (quads)	Pilot Testing Report within 54 months of Work Plan Approval	March 20, 2016	Submit Revised Pilot Testing Report. Continue design of final facilities.
Appendix 1 Control Measure 4	Treatment of Primary Effluent Bypass Demonstration/Pilot Project	Pilot Testing Report within 42 months of Work Plan Approval	March 20, 2015	Receive EPA response on revised Pilot Testing report submitted February 17, 2016.
Appendix 1 Control Measure 5	Increase Secondary Treatment Capacity and Treat Primary Effluent Bypass with CEHRT	Commencement of design of plant improvements and PEB CEHRT system within 6 months of approval of pilot report.	Within 6 months from date of approval of pilot report.	Continue design.

Table 2b: Description of Next Reporting Period's Projected Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Next Period Projected Work
Appendix 1 Control Measure 6	Euclid Creek Tunnel/Dugway Storage System	Bid Year 2010 Achievement of Full Operation 2020	December 31, 2010 December 31, 2020	Euclid Creek Tunnel (ECT): Commence operation upon completion and operation of Easterly Tunnel Dewatering Pump Station (TDPS). Easterly TDPS: Complete construction and commence startup, shakedown, and training. Dugway West Interceptor Relief Sewer: Continue operation and additional benefits upon start up of ECT and DST. Euclid Creek Pump Station/Lakeshore Boulevard Relief Sewer (ECPS/LBRS): Continue operation. CSO benefits upon start up of ECT and Easterly TDPS. Dugway Storage Tunnel (DST): Continue construction. East 140th Consolidation and Relief Sewer: Continue construction. Dugway South Relief and Consolidation Sewer: Continue construction. London Road Relief Sewer: Continue design. Dugway Regulators/Relief: Continue design.

Table 2b: Description of Next Reporting Period's Projected Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Next Period Projected Work
Appendix 1 Control Measure 8	Doan Valley Tunnel System	Bid Year 2017 Achievement of Full Operation 2021	December 31, 2017 December 31, 2021	Doan Valley Tunnel: Issue construction notice to proceed (NTP). Doan Valley Relief and Consolidation Sewer: Continue design. Doan Valley Miscellaneous Regulators/Relief Sewers: Continue design
Appendix 1 Control Measure 9	Superior Avenue Pump Station Upgrade	Bid Year 2016 Achievement of Full Operation 2018	December 31, 2016 December 31, 2018	Continue construction.
Appendix 1 Control Measure 10	Stones Levee Pump Station Upgrade	Bid Year 2016 Achievement of Full Operation 2017	December 31, 2016 December 31, 2017	Continue construction.
Appendix 1 Control Measure 11	Canal Road In-Line Storage	Bid Year 2017 Achievement of Full Operation 2018	December 31, 2017 December 31, 2018	Continue construction.
Appendix 1 Control Measure 14	Westerly Tunnel System	Bid Year 2020 Achievement of Full Operation 2024	December 31, 2020 December 31, 2024	Westerly Tunnel & Pump Station: Continue design. Westerly Low Level Relief Sewer: Continue Construction West 3rd/Quigley and Westerly Miscellaneous CSO Control: Issue design Notice to Proceed.

Table 2b: Description of Next Reporting Period's Projected Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Next Period Projected Work
Appendix 1 Control Measure 15	Columbus Road Storage Tank	Bid Year 2018 Achievement of Full Operation 2019	December 31, 2018 December 31, 2019	Westerly Low Level Relief Sewer: Continue construction.
Appendix 1 Control Measure 16	Center Street Storage Tank	Bid Year 2023 Achievement of Full Operation 2024	December 31, 2023 December 31, 2024	Westerly Low Level Relief Sewer: Continue construction.
Appendix 1 Control Measure 17	West Third Street Storage Tank	Bid Year 2024 Achievement of Full Operation 2025	December 31, 2024 December 31, 2025	Morgana Run Regulators and Rehab: Continue design.
Appendix 1 Control Measure 18	Mary Street Pump Station Upgrade	Bid Year 2015 Achievement of Full Operation 2017	December 31, 2015 December 31, 2017	Continue Construction.
Appendix 1 Control Measure 19	Jefferson Avenue Separation	Bid Year 2027 Achievement of Full Operation 2028	December 31, 2027 December 31, 2028	Continue Construction.
Appendix 1 Control Measure 20	West 3rd St./Quigley Parallel Storage System	Bid Year 2021 Achievement of Full Operation 2021	December 31, 2021 December 31, 2021	West 3rd/Quigley and Westerly Miscellaneous CSO Control: Issue design Notice to Proceed.

Table 2b: Description of Next Reporting Period's Projected Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Next Period Projected Work
Appendix 1 Control Measure 21	Southerly Tunnel System	Bid Year 2024 Achievement of Full Operation 2030	December 31, 2024 December 31, 2030	Morgana Run Regulators and Rehab: Continue design.

3. Current Reporting Period Consent Decree Submissions (IX. Paragraph 46.c.)

"A summary of the submissions under this Decree that were sent to U.S. EPA and/or Ohio EPA, including the dates submitted".

Table 3: Current Reporting Period Consent Decree Submissions

Reference	Deliverable Description	Milestone in CD	Calendar Milestone	Actual Submittal Date
Consent Decree IX Reporting Requirements Paragraph 46	Semi-Annual Report No. 10	On a semi-annual basis on January 31 and July 31, each 6-month period commencing with the first full 6 month period after entry of the Consent Decree	January 31, 2017	January 27, 2017

4. Certification Statement (IX. Paragraph 48)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations.

Kyle Dreyfuss-Wells, Chief Executive Officer

7/28/17
Date

ATTACHMENT 1:

Flow and Rainfall Monitoring for Engineering and Construction Projects Standards and Protocols Version 2.0

Northeast Ohio Regional Sewer District

Flow and Rainfall Monitoring for Engineering and Construction Projects

Standards and Protocols

Version 2.0

Northeast Ohio Regional Sewer District

Version History

Version	Date	Description of Revisions
1.0	1/16/2015	Draft release for review.
1.1	1/21/2015	Official release for distribution with review comments addressed.
2.0	1/31/2017	Revisions summarized as follows: • Section 1.2: Section added to explain requirement to use the District's Online GIS • Section 1.3: Formerly Section 1.2, section edited to recognize that monitoring efforts will vary based on the project. The importance of the adherence to the standards for Consent Decree projects was also emphasized. • Section 2.0: Removed the Site Report from the requirements. Explains that any deviation from the originally agreed monitoring location must be detailed in the Installation Form of the newly selected site. Added clarification that site locations must be submitted for upload to the project GIS. • Section 3.0: Explains that the site install form must be uploaded to that monitoring location with in GIS. Removed "the District will generate and provide pipe tables for non-standard pipes." Added that pipe tables generated and used in the flow calculation must be submitted as a final deliverable. Added clarification that the Install Form must have details about the original agreed upon site if the site installed served as the alternate location. • Section 4.0: Emphasizes the requirement for automatic communication via a web browser. Explains the requirement of weekly downloads if communication is unable to be obtained. Explained that the District's Telog web browser could be used to support a project if needed. Added Section 4.1 to explain the up-time requirement for monitoring efforts. • Section 5.0: Clarifies expectations for daily, weekly, and monthly maintenance requirements. Explains the use of a Flow Monitor Maintenance Log • Section 6.0: Emphasizes the use of remote call-in for meters and that data must be downloaded to the web server daily. Elaborates on the web browser capabilities. Describes the Data Quality Summary. • Section 7.0: Removed weekly deliverables. Monthly data submittals must be received within 2 weeks from the end of the monitoring month. Explained that rain data must be shared monthly with the Districts Planning Department in addition to the project PM. • Appendix B: Removed Appendix B Site Report, therefore changing all Appendix titles • Appendix B (formerly Appendix C): Added section to describe field issues with installing the meter at the originally agreed location. • Appendix E: New Appendix, District Flow Monitoring Deliverables Reference Guide • Appendix F: New Appendix, Data Quality Summary Table Example • Appendix G: New Appendix, Final Flow Monitoring Report Outline • Appendix H: New Appendix, Site Selection Report Example

Table of Contents

1.0 Introduction
- 1.1 Purpose of the Document
- 1.2 District ArcGIS Online Geographical Information System
- 1.3 Requests for Variance of Standards and Protocols

2.0 Site Selection and Reconnaissance

3.0 Installation of Flow Monitors and Rain Gauges

4.0 Data Collection
- 4.1 Uptime Requirements

5.0 Monitor Maintenance

6.0 Data Analysis

7.0 Flow Monitoring Documentation

List of Appendices

Appendix A. Map of District Rain Gauge Network

Appendix B. Flow Monitor and Rain Gauge Installation Report Example Templates

Appendix C. Flow Monitor Maintenance Log Example Template

Appendix D. Egg-shaped Sewer Geometries

Appendix E. District Flow Monitoring Deliverables Reference Guide

Appendix F. Data Quality Summary Table Example

Appendix G. Final Flow Monitoring Report Outline

Appendix H. Site Selection Report Example

1.0 Introduction

1.1 Purpose of the Document

This document describes the standards and protocols to be used for the installation and maintenance of flow monitors and rain gauges in a manner that promotes the collection of sound data to support the needs of the Northeast Ohio Regional Sewer District (NEORSD/the District) Engineering and Construction Department projects. This document will be updated as needed to address the District's future modeling requirements and to adapt to future software updates throughout the course of modeling efforts.

1.2 District ArcGIS Online Geographical Information System

The District supports all monitoring efforts with the use of an internal ArcGIS Online Geographical Information System (AGOL). This will be made available to all consultants providing flow monitoring services in support of District projects. AGOL is available through any smart phone, tablet, or desktop computer with the use of an internet connection. AGOL training is available, as needed, for project personnel. Consultants will be required to post electronic deliverables to the AGOL.

1.3 Requests for Variance of Standards and Protocols

The flow monitoring standards and protocols have been developed to ensure consistency in monitoring practices to support achieving the District's Engineering and Construction project and Consent Decree objectives. It is understood that monitoring/data collection efforts will vary from project to project, therefore this document may not be suited for all monitoring/data collection efforts. Variances may be granted by the District in special cases if justification for a variance can be demonstrated. Due to the nature of Consent Decree related monitoring projects, variances from these standards are not generally considered for these projects. Any granted variances should be documented with the submittal of the final flow monitoring report.

2.0 Site Selection and Reconnaissance

The following steps must be followed when siting flow monitors and rain gauges.

- Perform a desktop analysis to identify initial monitoring and temporary rain gauge locations to support project needs. A initial Flow Monitoring Plan with a map of initial monitoring locations must be submitted to the District in hardcopy and in AGOL for review/approval.
    - See **Appendix A** for **Map of District Rain Gauge Network**.
    - The use of radar-rainfall to further define the rainfall distribution may be considered depending on project extent and is available through the District's current contract with Vieux, Inc. Consultants requiring access should contact their District Project Manager.
- Upon District approval, perform a site investigation to assess the suitability of each proposed monitoring site (flow meter and rain gauge). The District must notify member communities at least 7 business days prior to conducting site investigations.
- If the approved monitoring site is deemed suitable, then upon installation a flow monitor or rain gauge installation report must be completed. See **Appendix B** for **Flow Monitor and Rain Gauge Installation Report Example Templates** and **Section 3.0 Installation of Flow Monitors and Rain Gauges** for additional information.
- Complete a flow monitoring Selection Report that details modifications made to the preliminary Flow Monitoring Plan and explains changes. An example of the **Site Selection Report** can be found in **Appendix H**.

If the monitoring site is crucial to the monitoring effort, the District must be notified if debris or other issues are identified that may impact data collection and require cleaning and/or removal. The District will either remove debris, authorize cleaning by others or contact the responsible agency regarding sites not maintained by the District and request any necessary cleaning or repair of a manhole and/or sewer segment. If the responsible agency cannot perform the cleaning or repair, the monitor should be installed at an alternate location and details of the original location must be noted in the Installation Report.

3.0 Installation of Flow Monitors and Rain Gauges

Installation reports for the selected flow monitoring and rain gauge sites should be provided electronically in PDF format to the District after installation and must be uploaded to the AGOL project site. Flow Monitoring and Rain Gauge Installation Report Example Templates can be found in **Appendix B**.

Flow Monitoring Installation Reports must include, at a minimum, the following information:

- General site location map
- Basic connectivity sketch with pipe sizes
- Manhole depth
- Installation sketch
  - Sensor position/offset
  - Calibration data verifying monitor setup
  - Explanation of any variance from manufacturer recommended procedures
- Physical sewer pipe characteristics in which the sensors are installed
  - Pipe size and shape (diameter other measurements necessary to define the pipe cross-section)
  - Pipe material
  - Depth of silt
  - Depth of flow
- Site Photographs
  - Street View
  - Monitor Installation
  - Sensor Installation
- Weather conditions at time of installation
- Description of any adverse hydraulic conditions
- Flow monitor information
- Adjustments due to initial calibration

Rain Gauge Installation Report must include, at a minimum, the following:

- Location description and site photo(s)
- Contact information and instructions for access
- Rain gauge information

Default pipe geometries in the flow monitoring software for egg-shaped pipes must agree with geometries provided by the District, found in **Appendix D**, in order to properly calculate flow rates associated with observed depth and velocity readings. If field measurements indicate a deviation from values obtained from **Appendix D**, adjust the software to reflect the field measurements. If non-standard shape pipes are encountered, the pipe table generated from field measurements used for flow calculations must be submitted to the District in .csv format, see **Section 7.0 Documentation**.

Initial calibration of each flow monitor must be completed upon installation and activation by taking manual depth and velocity readings using independent instrumentation. The following steps must be followed for calibration:

- Obtain field depth measurements using a method that does not disrupt the flow regime.
- Obtain manual velocity readings of the cross-section of flow (velocity profile) using an industry accepted method to determine the pipe's hydraulic profile if site conditions allow.
- Compare field depth and velocity measurements to real-time monitor readings to determine if the monitor is recording data representative of field measurements.
- Use best practice methods to verify data in the field and document the methods used, the measurements obtained and any adjustments made must be detailed in the Flow Monitor Installation Report.

The following protocols must be used for the calibration of temporary rain gauges:

- Perform a field calibration check on each gauge after installation per the manufacturer's specification.
- If the calibration check falls outside of a tolerance that is acceptable, perform a second test.
- If the second test confirms the gauge is out of tolerance, return the gauge to the manufacturer for recalibration and notify the District as needed.

4.0 Data Collection

Flow monitors must be configured to record depth and velocity readings at five-minute intervals. Rain gauges must be configured to record rainfall in 0.01-inch increments and report data at five-minute intervals.

The flow monitors and rain gauges should be configurable to support automatic communications with a web server and must be supported by the major cellular providers. Data must be uploaded to the web server daily. The District must receive access to the web server at the start of the data collection period. The web server must allow viewing of data as hydrographs and scatter graphs with rain data overlain. See **Section 7.0 Documentation** for more information on data reporting requirements.

If the consultant does not have a web server available, the District's Telog Enterprise system in coordination with the Districts System's Integration Department can be utilized. If monitors do not have cellular communication capabilities or if a site does not allow for cellular communication, the District must be notified prior to installation and data must be collected and uploaded weekly to a web server within 48 hours of collection.

4.1 Uptime Requirements

Monitoring consultants shall collect useable flow data a minimum of 90% of the time throughout the monitoring period at each site. There is an "Uptime %" column in the **Data Quality Summary Table Example**, **Appendix F**, that should be populated to reflect the uptime for each monitor to be included in the monthly deliverables. A thorough explanation must be provided if the monitor is not meeting the up-time requirement. Monitor uptime shall be defined as number of 5-minute measurement intervals where a flow value can be calculated from a measured depth and a measured or inferred velocity for a common time interval divided by the total number of measurement intervals. The total number of measurement intervals shall coincide with the monitoring program duration.

The uptime requirement is to be generally satisfied with actual measured data. However, it is also recognized that there may be occurrences where a velocity measurement may not be required to develop accurate data. Accordingly, inferred data would not be considered downtime, if the monitoring firm documents to the satisfaction of the District that accurate data can be obtained without the velocity measurement and the loss of velocity data was not caused by maintenance neglect. In any case, however, no velocity data shall be inferred for any measurement interval where (1) a corresponding depth measurement has not been obtained for that measurement interval or (2) independent calibration measurements have not been acquired for the site. Monitoring consultant shall clearly identify all inferred velocity data or other data derived from inferred data in all reports and other deliverables.

5.0 Monitor Maintenance

A routine monitoring maintenance schedule must be developed and followed that complies with the minimum standards and protocols as described below:

Daily activities:

- In the case where automatic cellular communications is available, data must be reviewed daily for all sites to identify any potential sensor fouling or equipment malfunctions. Issues are to be remedied as soon as possible to minimizes lost or inaccurate data, but within 48 hours of identification.

Weekly activities:

- Weekly site visits are to be performed for flow monitor and rain gauge sites without cellular communication to download data and to assess any maintenance or monitor performance issues.

Monthly activities:

- Monthly site visits are to be performed for flow monitoring and rain gauge sites supported by cellular communication to assess maintenance needs and perform monitor confirmations.
- The following preventative maintenance activities must be performed during each site visit (monthly and any time the site is visited) and documented in a **Flow Monitor Maintenance Log** as appropriate, see **Appendix C** for example template:
    - Check battery charge, desiccants, and vent tubes
    - Confirm the clock time is accurate
    - Inspect sensors to ensure the installation is intact
    - Clean paper, rags, oil, and/or debris off the sensors in accordance with manufacturer's instructions
    - Remove sediment and debris when it interferes with proper operation of the monitoring devices
    - Monitor confirmation measurements if the manhole is entered during a site visit

- Monitor confirmations must be performed to demonstrate equipment is collecting reliable/accurate data. Based on review of collected data, additional confirmations may be necessary if hydraulic conditions change or if confirmations result in inconsistent measurements. It is preferred that confirmations be scheduled during various flow conditions, this can be achieved by scheduling confirmations at different times of day and during varying weather conditions. This schedule can be adjusted to support the project/monitor site needs, all deviations from the preferred monthly confirmations must be approved by the District. Monitor confirmations must include the following activities similar to the initial calibration of the monitor during installation as referenced in **Section 3.0 Installation of Flow Monitors and Rain Gauges**:

- Take manual depth and velocity readings using independent instrumentation and compare to real-time monitor readings to verify that the installed monitor yields data representative of actual field conditions.
- Record the silt level in the pipe
- Log all measurements, adjustments and efforts undertaken in a **Flow Monitor Maintenance Log,** see **Appendix C** for example template
- Provide confirmation measurements to the District with data submittals, discussed in **Section 7.0 Documentation**, documenting the date and time they were performed for each monitoring site.
- Promptly notify District if site conditions are impacting data quality and corrective action is required.

6.0 Data Analysis

Periodic data analysis of the rainfall and flow monitoring data collected throughout a project's monitoring period must be performed to ensure data quality and reliability. This section summarizes the minimum activities and responsibilities in performing data analysis.

- Data analysis must include a comprehensive review of collected data and should consist of, but not be limited to, the following activities:
    - Identify and document periods of data gaps or equipment malfunctions
    - Monitor service needs and resolutions
    - Utilize weekly hydrographs of depth, velocity, and flow rate with rainfall and all calibration and confirmation measurements overlain
    - Utilize scatter graphs of depth and velocity/flow readings with all calibration and confirmation measurements overlain
    - Conversion of raw flow data into edited data
- Data should be reviewed to check for regular diurnal patterns in free flow, and reasonable depths and velocities for the site using data diagnostic tools such as hydrographs and scatter graphs.
- Data should be checked for data anomalies or unusual trends that are recognizable.
- Edited data must be created from the monthly raw data, see **Section 7.0 Documentation**. Major edits must be documented in a **Data Quality Summary Table**, see **Appendix F** for example. Edits to the raw data may include but is not limited to the following:
    - Adjustments to the level/velocity based on field verified measurements
    - Adjustments of the average/peak velocity ratio based on field verified measurements
    - Insertion of dry weather diurnal patterns in the case of data drop outs or poor data quality during confirmed dry weather conditions
    - Removal of a recorded level/velocity that is not typical to the flow pattern and is not recorded for a duration that would indicate an actual reading.
    - Identify data gaps/poor data quality due to equipment malfunction that cannot be edited due to a known rain event that took place during the data gap/poor data quality period. When these data cannot be edited the District recommends using null values.

7.0 Documentation

Periodic data submittals throughout the project's monitoring period must be provided to the District for review and to document progress. This section summarizes the monitoring documentation and submittal schedule that must be followed. The deliverable format will be determined at project implementation based on project needs. The **District Flow Monitoring Deliverables Reference Guide** is provided in **Appendix E**.

On a monthly basis, to be submitted within two (2) weeks after the end of the monitoring month:

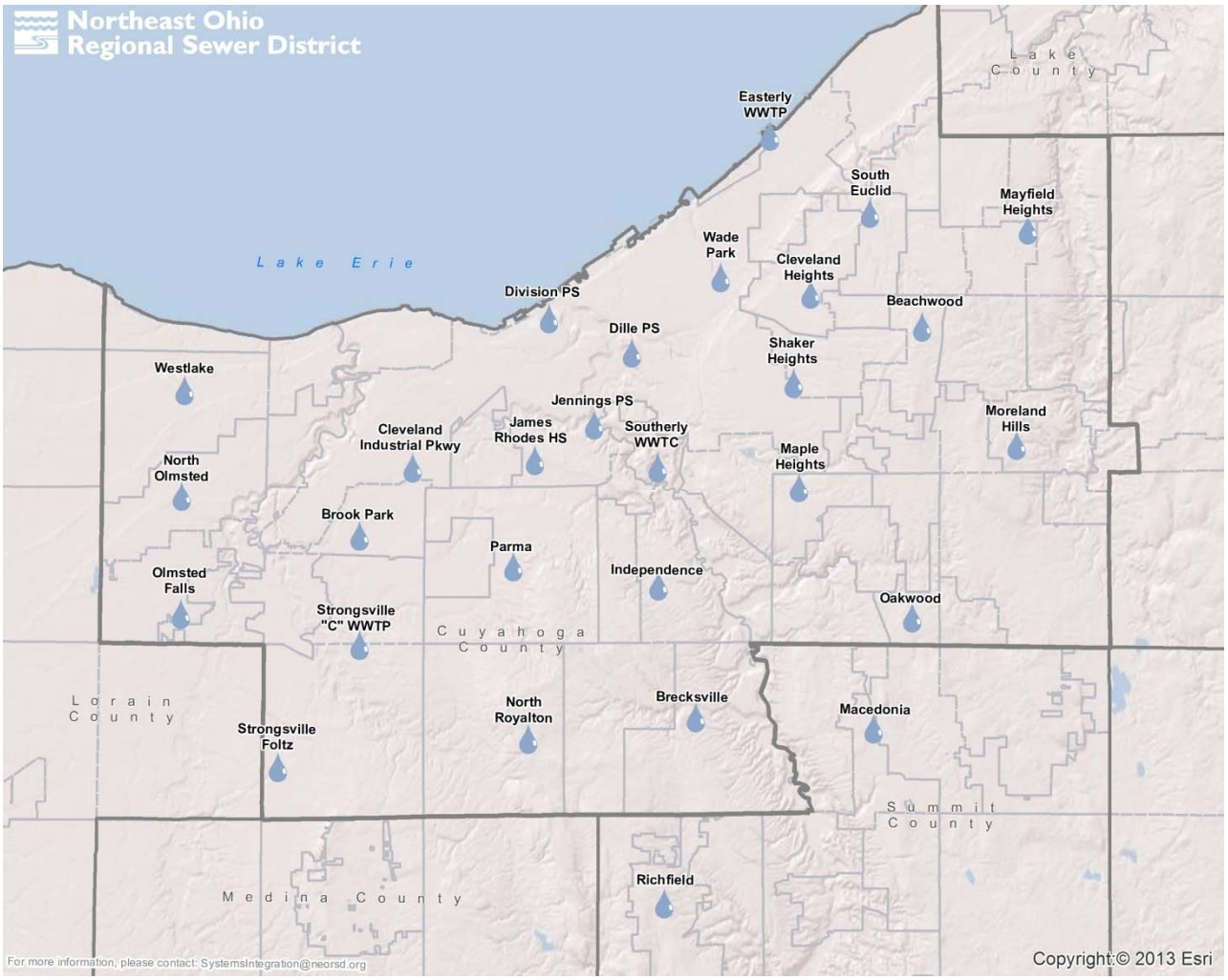
- Hydrographs: Time series plots of the entire month of depth, velocity, flow, and rainfall with confirmation measurements overlain
- Scatter graphs: Cumulative edited depth-velocity readings with confirmation measurements overlain
- Flow Monitor Maintenance Log: Summary table of calibration and confirmation measurements, documenting the date and time they were performed for each monitoring site, see **Section 5.0 Monitor Maintenance** for more information
- Summary table of daily minimum, maximum, and average depth and flow, and rain totals
- Data Quality Summary Table: Table of major edits made to the data and major data quality issues. An example template of the **Data Quality Summary Table Example** is available in **Appendix F.** See **Section 6.0 Data Analysis** for more information**.**
- Edited continuous time series including depth, velocity, calculated flow (.csv).
- Monthly rainfall data in electronic format (.csv). <u>Additionally, email the electronic (.csv) file for any temporary rain gages directly to the District Planning Manager to support the radar rainfall contract.</u>

Within 6 weeks of the end of the project flow monitoring period, a Final Flow Monitoring Report must be submitted and include the monthly deliverables referenced above and the following items for each flow monitoring site for the entire flow monitoring period. An outline of the preferred **Final Flow Monitoring Report** can be found in **Appendix G**:

- Installation Reports, see **Section 3.0 Installation of Flow Monitors and Rain Gauges**
- Summary by rainfall event including total rainfall depth, duration, peak 5-minute, and 1-hour intensities
- Pipe Tables used for flow calculations for non-standard pipes, see **Section 3.0 Installation of Flow Monitors and Rain Gauges,** as a hardcopy and digital attachment to the flow monitoring report
- Final data in standard electronic format (.csv)
    - Note: If data is edited during the modelling phase or beyond 6 weeks from the end of the monitoring period final data must be resubmitted to the District
- Raw data in standard electronic format (.csv)
- Documentation of any variances that were granted

Within 6 weeks of the end of the flow monitoring period, the Final Data (.csv) and final Installation Reports (.pdf) should be uploaded to the project AGOL for each monitoring site.

Appendix A
Map of District Rain Gauge Network


Northeast Ohio
Regional Sewer District
Lake Erie
Lake County
Easterly WWTP
South Euclid
Mayfield Heights
Wade Park
Cleveland Heights
Division PS
Beachwood
Dille PS
Shaker Heights
Westlake
Jennings PS
Moreland Hills
Cleveland Industrial Pkwy
James Rhodes HS
Southerly WWTC
Maple Heights
North Olmsted
Brook Park
Parma
Independence
Olmsted Falls
Oakwood
Strongsville "C" WWTP
Cuyahoga County
Lorain County
North Royalton
Brecksville
Macedonia
Strongsville Foltz
Summit County
Richfield
Medina County
For more information, please contact: SystemsIntegration@neorsd.org
Copyright:© 2013 Esri

Appendix B
Flow Monitor Installation Report
Rain Gauge Installation Report
Example Templates

Northeast Ohio Regional Sewer District

Flow Monitor Installation Report

Site ID: _____ Site Location: _____

Installation Date: _____ Manhole Location: Street Grass Other

Removal Date: _____ Manhole Depth: _____ ft

Purpose for Metering: _____ Rim Elevation: _____

Type of Sewer Storm Sanitary Combined Rung Condition: _____

Additional Setup Information: _____

Installer: _____ Crew: _____

Pipe Monitored	Inlet	Outlet	Overflow
Pipe Sizes:			
Pipe Shape:			
Pipe Material:			

Details of Installation: _____

PLAN VIEW

N

Flow Meter Information

Meter Make/Model: _____

Meter ID or Serial #: _____

Sensor #1 Type: _____

Sensor #1 Location: _____

Sensor #2 Type: _____

Sensor #2 Location: _____

Real Time Readings at Installation

	Meter	Manual
Time:		
Depth (in.):		
Velocity (fps):		
Flow (mgd):		
Silt Depth:		

Metering Information: _____

STREET VIEW PHOTO	MONITOR INSTALLATION PHOTO	SENSOR INSTALLATION PHOTO

SITE ID: _____

VICINITY MAP	SITE LOCATION

Additional Site Photos:

Northeast Ohio Regional Sewer District

RAIN GAUGE INSTALLATION REPORT

Project Name: _____ **Install Date:** _____

Site ID: _____ **Time:** _____

Location: _____ **Installers Initials:** _____

Removal Date:

Location Description: _____

GPS Coordinates:

Building Contact Person: _____

Title: _____ **Telephone #:** _____

Additional instructions for access: _____

Rain Gauge Hardware Information

Rain Gauge Make/Model: _____

Rain Gauge Serial #: _____

Data Collection Interval: _____

LOCATION MAP

N

Site/Installation Photos:

Appendix C
Flow Monitor Maintenance Log Example Template

Northeast Ohio Regional Sewer District

Flow Monitor Field Maintenance Log

Project: _____ Site ID: _____ Meter Serial #: _____

Date	Time	Field Crew Initials	Manual Readings		Real Time/Current Status Meter Sensed			Battery Voltage	Observations/Actions Taken
			Level	Velocity	Level	Velocity	Flow		

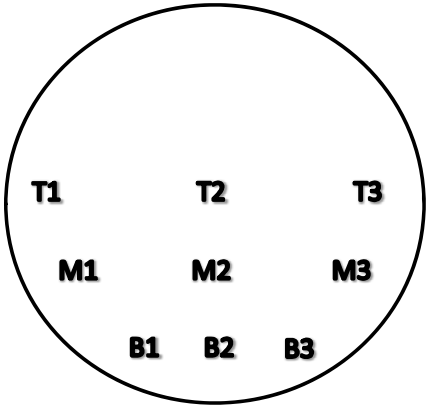
Northeast Ohio Regional Sewer District

Flow Monitor Field Maintenance Log - Velocity Profile

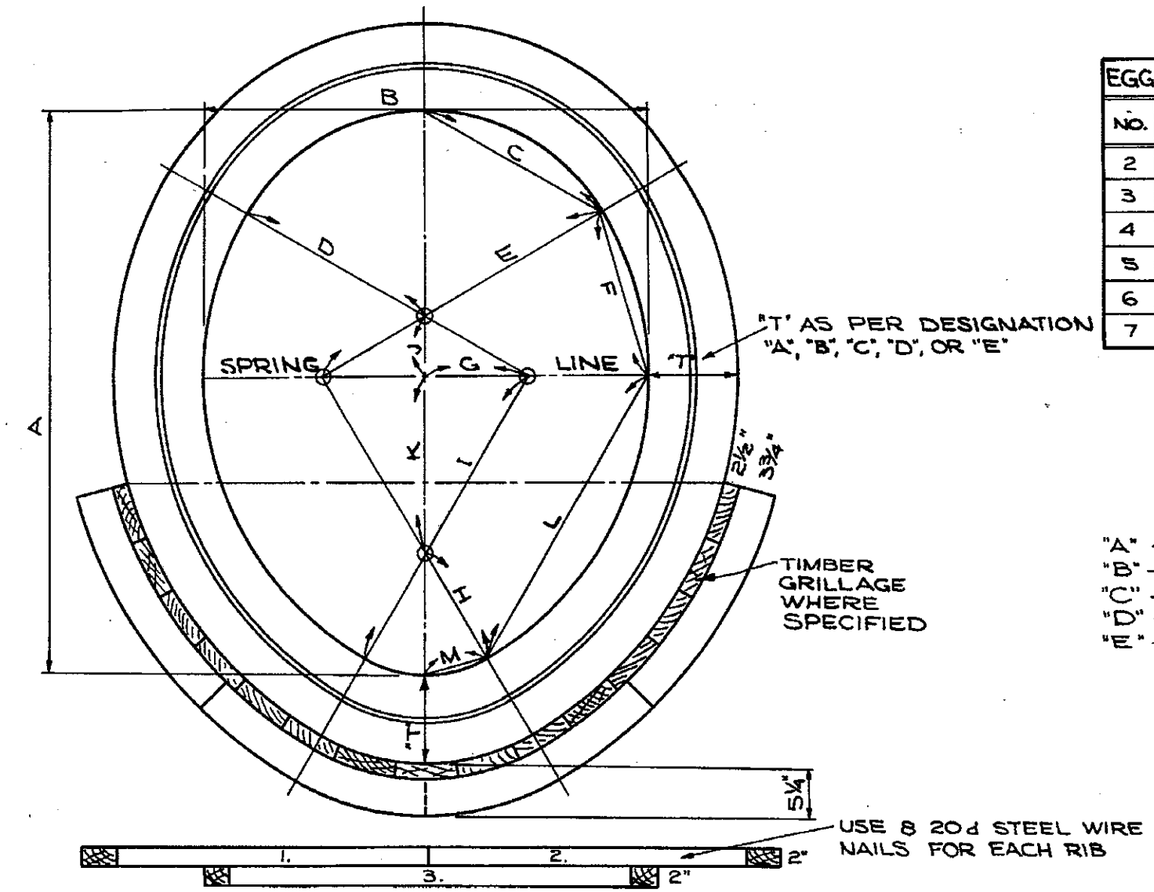
Project: _____ Site ID: _____ Meter Serial # _____

Date	Time	Field Crew Initials	Velocity Profile (fps)																		Average Velocity (fps)
			D	T1	D	T2	D	T3	D	M1	D	M2	D	M3	D	B1	D	B2	D	B3	

PIPE PROFILE



Appendix D
Egg-shaped Sewer Geometries

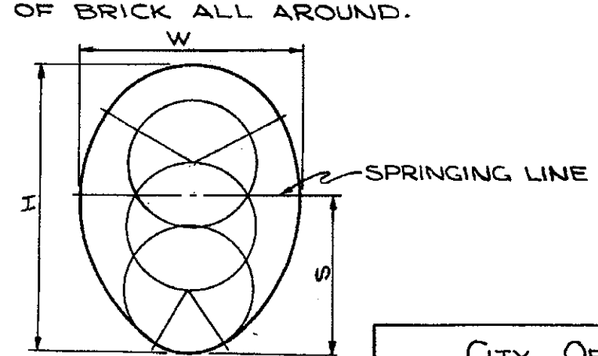


EGG SHAPED SEWERS					NO.	H FEET	W FEET	S FEET	AREA SQ. FT.	NO.	H FEET	W FEET	S FEET	AREA SQ. FT.
NO.	H FEET	W FEET	S FEET	AREA SQ. FT.	8	5.12	4.04	2.71	16.00	15	7.79	6.14	4.12	36.99
2	2.25	1.94	1.28	3.41	9	5.54	4.37	2.93	18.72	16	8.13	6.41	4.30	40.32
3	2.75	2.23	1.64	4.75	10	5.94	4.69	3.14	21.54	17	8.47	6.68	4.47	43.71
4	3.23	2.54	1.70	6.35	11	6.33	4.99	3.35	24.46	18	8.79	6.94	4.65	47.17
5	3.74	2.95	1.98	8.53	12	6.71	5.29	3.55	27.47	19	9.12	7.19	4.82	50.70
6	4.23	3.34	2.23	10.90	13	7.08	5.58	3.74	30.57	20	9.43	7.44	4.98	54.29
7	4.69	3.70	2.48	13.39	14	7.44	5.87	3.93	33.74					

(SEWER # x 4) + 21 = CIR. EQIV. IN INCHES

TYPES OF EGG SHAPED SEWERS

"A" - 1 RING OF BRICK ALL AROUND.
"B" - 1 " " " " " & 1 RING EXTRA ON ARCH.
"C" - 2 RINGS OF BRICK ALL AROUND.
"D" - 2 " " " " " & 1 RING EXTRA ON ARCH.
"E" - 3 RINGS OF BRICK ALL AROUND.



TABULAR DIMENSIONS FOR EGG SHAPED SEWERS Nº 2 TO Nº 8													
Nº	A	B	C	D	E	F	G	H	I	J	K	L	M
2	2'-3"	1'-11¼"					6⅜"	9"	1'-6"		6⅜"		
3	2'-9"	2'-2¾"					10⅝"	9"	2'-0"		10⅝"		
4	3'-2¾"	2'-6⅝"	1'-2⅛"	1'-2⅛"	1'-10½"	11½"	7 3/16"	8⅛"	1'-10½"	4 1/16"	12 3/16"	1'-10½"	4¼"
5	3'-9"	2'-11⅜"	1'-4⅜"	1'-4⅜"	2'-1⅞"	1'-1⅜"	8 3/16"	9½"	2'-1⅞"	4¾"	1'-2¼"	2'-1⅞"	4⅞"
6	4'-2¾"	3'-4"	1'-6½"	1'-6½"	2'-5¼"	1'-3⅛"	9¼"	10¾"	2'-5¼"	5⅜"	1'-4⅛"	2'-5¼"	5½"
7	4'-8¼"	3'-8⅜"	1'-8½"	1'-8½"	2'-8½"	1'-4¾"	10 5/16"	11⅞"	2'-8½"	5 15/16"	1'-5 13/16"	2'-8½"	6⅛"
8	5'-1½"	4'-0½"	1'-10½"	1'-10½"	2'-11½"	1'-6¼"	11¼"	1'-1"	2'-11½"	6½"	1'-7½"	2'-11½"	6¾"

CITY OF CLEVELAND
ENGINEERING DIVISION
RALPH C. TYLER-DIRECTOR OF PUBLIC SERVICE

STANDARD PLAN FOR EGG SHAPED SEWERS DIMENSIONS & AREAS

NO SCALE

DRAWN BY: W. J. Wistrup DATE: 11-23-66
SUBMITTED BY: G. L. Stranger, ENGR. OF DESIGN DATE: 12-7-66
APPROVED: R. Gruber, ASS'T. COMM. OF ENG. DATE: 12-8-66
APPROVED: John Wolff, COMM. OF ENG. DATE: 12-7-66

REV. 11-23-66 | FILE Nº. 73 M

Appendix E
District Flow Monitoring Deliverables Reference Guide

District Flow Monitoring Deliverables Reference Guide

Frequency	Deliverable
Pre-Installation	Flow Monitoring Plan and the shapefile of monitor locations
Post-Installation	Site Selection Report and the shapefile of monitor locations
Monthly (within 2-weeks of the end of monitoring month)	Hydrographs (Edited Data) (1-month increments): Depth, Velocity, Flow and Rainfall/field confirmation measurements overlain
	Scatter Graph (Edited Data): Depth vs. Velocity Readings with field confirmation measurements overlain
	Summary of Site Visits: Confirmation measurements, date/time, and site/monitor observations
	Summary Table of Daily Min/Max/Avg. and Rain Totals
	Edited Flow Data (.csv): Depth, Velocity, and Flow
	Rain Data (.csv) (also emailed to the District Planning Department)
	Data Quality Summary: Identify major data collection issues or monitor/equipment issues. Uptime percentage.
With-in 6 Weeks of End of Flow Monitoring	Site Installation Reports
	Scatter Graph (Final Data) (Entire Monitoring Period): Depth vs. Velocity Readings with field confirmation measurements overlain
	Hydrographs (Final Data) (1-month increments): Depth, Velocity, Flow and Rainfall/field confirmation measurements overlain
	Summary Table of Daily Min/Max/Avg. and Rain Totals (Presented on a per calendar month basis)
	Summary of Rain Fall Events: Total rainfall depth, duration, peak 5- minute and 1- hour intensities.
	Summary of Site Visits: Confirmation measurements, date/time, and site/monitor observations
	Data Quality Summary: Identify major data collection issues or monitor/equipment issues. Uptime percentage.
	Pipe Tables used for flow calculation for any non-standard pipe dimensions
	Final Flow Data (.csv): Depth, Velocity and Flow Final Rain Data (.csv)
	Raw Flow Data (.csv): Depth, Velocity and Raw Rain Data (.csv)
	Upload Installation Report and Final Data (.csv) to the District GIS

Appendix F
Data Quality Summary Table Example

Figure 5. DRRS Pre-Design Flow Monitoring Program Performance and Data Quality Summary - July 2016

Data Quality Codes ⇨

Reliable Data	Questionable Depth	Questionable Velocity	Questionable Depth & Velocity	No Data /Equip. Malfunction	Unusual Observation Data Quality not in Question

Edited Data	Monitor Installed /Reinstalled/Replaced	Sensor Adjusted /Scrubbed	Sensor Replaced	Daily Total Rainfall (in)
	I	A	R	#.#

Temporary Monitor	July 2016																															Uptime %
			Week 11							Week 12							Week 13							Week 14								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Rain Gauges																																
REA	0.1			0.2	0.0	0.0		0.2					0.2		0.0	0.4		0.2				0.0								0.0	0.0	
RSO	0.1			0.1		0.0		0.1					0.1			0.0		0.1										0.1	0.3	0.1		
Flow Meters																																
D64A-U1														(1)	A																	
D64A-U2															A																	
D76A-U1[2]																																
D76-S1 [3]															A																	
D77A-U1[4]															A																	
D77-U1									(4)						A				(1)													
D85-U1[5]															A																	
D86-U1															A																	
E39-D1															A																	
E39-U1[6]															A																	

(1). Possible debris on sensor, velocity data were edited using scattergraph editor
(2). Pressure depth used for the entire month, velocity edits throughout the month to address pops/drops with scattergraph editor
(3). Meter in SWO pipe, velocity readings set to zero during dry weather, pressure depth were used during wet weather
(4). Depth shifting while no change in velocity. The drift in depth were manual edited throughout the month
(5). Due to low flows, velocity readings were erratic during in dry weather and were edited using scattergraph editor. Wet period reliable
(6). Velocity edits throughout the month using scattergraph editor to address pops/drops

Appendix G
Final Flow Monitoring Report Outline

Final Flow Monitoring Report Outline

This attachment provides the recommended flow monitoring report outline. A summary of the information to be discussed but not limited to in each section.

Report Outline

Overview

- Detail the project the monitoring effort is supporting
- Intended use of the data
- Monitoring duration
- Monitoring firms involved and their respective responsibilities
- Description of data handling
- Any key findings from the monitoring

Site Selection, Installation, and Operation

- Describe the site selection process
- Flow monitoring and rain gauge map
- Site naming convention used
- Installation methodology
- Description of equipment used to perform monitoring
- Summary table of all the meters installed illustrating installation type, manhole ID, pipe size/shape (AGOL vs. field measured), and purpose.

Data Collection and Analysis

- Describe the rainfall data collected
- Description and summary table of the rain events based on an inter-event duration of 12-hours, event duration, total rainfall, peak 1-hr intensity and peak 5-min. intensity
- The Data Quality Summary (example presented in **Attachment F**) summarizing the flow monitoring data quality should also be presented and discussed in this section

- Description of the editing of flow data and any flow volume analysis/mass balance reviews that were performed
- A flow meter schematic should be included to support the mass balance analysis
- Discussion of individual monitoring issues
- Discussion of on whether the 90% uptime requirement was met

Presentation of Final Flow Data

- Describe what data will be shared as part of this report

Summary and Key Findings

Attachments

Attachment A – Monitoring Equipment, Installation, and Operation
Attachment B – Confirmation Points and Service History Reports
Attachment C – Dry and Wet weather mass balance review for selected meters and events
Attachment D – Meter Installation report, Daily Summary, Time Series plots and Scattergraphs
Attachment E – Pipe Tables

Digital Submittal

- Meter Raw Data in CSV Format
- Meter Final Data in CSV Format
- Pipe Tables in excel Format

Appendix H
Site Selection Report Example

DRAFT Technical MEMORANDUM

TO: GREG LINK, P.E.; WADE TRIM

FROM: ABRAAR SUHAIL, E.I.; SHIRLY SCHLUCHTER, P.E.;
WATER RESOURCES AND COASTAL ENGINEERING, INC. (WRCE)

SUBJECT: LONDON ROAD RELIEF SEWERS (LRRS) FLOW MONITORING PLAN SITE SELECTION REPORT

DATE: JUNE 15, 2016

The purpose of this memorandum is to document modifications to the preliminary Flow Monitoring Plan (FMP) for the London Road Relief Sewers (LRRS) Project and provide explanations for the changes.

The 2014 Easterly Advanced Facilities Plan recommended improvements to the tributaries of the Ivanhoe-Holmes Branch Interceptor along Holmes Avenue and London Road. The project will provide relief for Intra-Community Relief Sewers on Roseland Drive and Cliffview Roads. Lastly, the project will increase CSO control to Green Creek (CSO 214) and Nine Mile Creek (CSOs 211 and 212) via regulator modifications and relief sewers. The purpose of this FMP is to collect and monitor data to assess model performance of the District's current master CSO models and support recalibration if needed.

The preliminary FMP was developed via desktop analysis of the NEORSD GIS and available record drawings and field inspection data. The list of installed meters, specific dates, goals, and comments for each meter installed is seen in **Attachment 1: Reconnaissance Summary Table**. WRCE and ADS Environmental Services investigated 13 preliminary locations on April 13, and determined two needed to be relocated (I-09A and I-12) and one needed to be investigated further (I-20). The remainder of the sites were found to be hydraulically acceptable for monitoring.

Flow Divider I-09A: Field investigations determined the 8" sewer connecting from the northeast to this structure was flowing in instead of out as a high pipe relief as indicated by GIS. Since this structure is not actually a flow divider, the recommendation to install a meter was no longer critical for the LRRS model assessment or design. An alternative monitor location was identified further

downstream and renamed I09A-D1. The purpose of the new alternative site is to confirm system performance in a local No. 3 Egg combined sewer along Ivanhoe Rd near Regulator I-10. **Attachment 4** provides a photo of manhole I-09A taken during field investigation.

Regulator I-12: Field investigations determined that the 15” pipe from the northwest of Regulator I-12 was not diverted around it and is flowing into the manhole. The 15” line on the north side of Belvoir Rd, originally thought to be diverted from the regulator, was seen with active dry weather flow while the 15” line on the south side of Belvoir was found to have very stagnant flow. To get a better understanding of flows into the regulator, the recommendation was made to move the meter installation to the north side of the road to capture more flows. The field investigation summary is shown in **Attachment 5**.

Regulator I-20: During investigation, Regulator I-20 was found to have a constructed bulkhead that caused all flow to be routed into the Green Creek Culvert. After additional District investigation, it was noted that they had no record of this installation and they removed the bulkhead on May 8. On May 17, a meter was installed here to monitor the dry weather flow in the sewer. The photos and investigation for this are seen in **Attachment 6**.

Attachment 2: Map Book Marked-Up with Field Investigation Summary presents the preliminary FMP that lists the pre-investigation flow monitors and locations as well as comments regarding the purposes of the flow monitors in those locations. If the meters were installed in a different location, they are marked up in Attachment 2.

Attachment 3: Site Installation Reports, presents ADS Site Installation Reports of all thirteen meters installed between April 22 and 27.

Attachment 7: Pipe Cross Section Ordinates contains the measurements used by ADS to determine the cross section of each pipe.

Attachment 1: Reconnaissance Summary Table

Meter ID	Pipe Size (AGOL)	Pipe Size (ADS)	Manhole Depth (ADS, App. FT)	Preliminary Site Location Used?	Recon Date	Install Date	Installation Type	Purpose	Comments	Alternative Location
I09-S1	38.8" x 30.5" No. 4 Egg	40.5" x 30.63" Egg*	12	Yes	4/13/2016	4/25/2016	Reverse	Verify CSO activations at the leaper regulator by measuring flows on the SWO	Good Hydraulic Conditions	
I09A-U1	18" Circular	--	--	No	4/13/2016 4/14/2016	--	--	Measure flow split between SWO and DWO	During investigation, the 8" pipe high pipe was seen flowing into this manhole instead of acting as a flow divider as GIS states.	Meter moved two manholes downstream of the regulator and renamed from I09A-D1
I09A-D1	33" x 26.76" Egg	30.5" x 27" Egg*	18	Yes	4/14/2016	4/23/2016	Standard	Measure flow split between SWO and DWO	Good Hydraulic Conditions	
I10-U1	48" Circular	48.75" x 48.5" Circular	10	Yes	4/13/2016	4/22/2016	Standard	Measure inflow to I-10 regulator	Good Hydraulic Conditions	
I12-U1	15" Circular	14.75" Circular	10	No	4/13/2016 4/14/2016	4/22/2016	Standard	Measure inflow to I-12 regulator	Field investigation showed the 15" line coming into the regulator from the northeast as the most active.	Meter was moved one manhole upstream of the regulator in the 15" line to the northeast, on the opposite side of the street
I14-U1	42" Circular	42.13" Circular	15	Yes	4/13/2016	4/22/2016	Standard	Measure inflow to I-14 leaper regulator	Good Hydraulic Conditions	
I16-U1	21" Circular	20.63" Circular	10	Yes	4/13/2016	4/23/2016	Standard	Measure inflows to I-16 leaper regulator with SWO weir	Good Hydraulic Conditions	
I18-U1	24" circular	20.5" x 20" Circular	10	Yes	4/13/2016	4/23/2016	Standard	Measure inflows to I-18 regulator	Good Hydraulic Conditions	
I19-U1	36" Circular	40" x 33" Elliptical*	15	Yes	4/13/2016	4/25/2016	Standard	Measure inflows to I-19 leaper regulator with SWO weir	Good Hydraulic Conditions	
I20-U1	33" Circular	33.25" x 33.38" Circular	10	Yes	4/13/2016	5/17/2016	Standard	Measure inflows to I-20 leaper regulator with SWO weir	District removed bulkhead 5/8.	
I21-U1	38.8" x 30.5" No. 4 Egg	40.75" x 30.38" Egg*	15	Yes	4/13/2016	4/23/2016	Standard	Measure inflows to I-21 leaper regulator	Good Hydraulic Conditions	
IVH1	66.5" x 52.4" No. 9 Egg	68" x 52.25" Egg*	18	Yes	4/13/2016	4/25/2016	Standard	Measure flows in Ivanhoe Interceptor near downstream end of proposed LRRS project	Good Hydraulic Conditions	
IVH2	61" x 55" Basket	62.38" x 54" Inverted Egg*	15	No	4/13/2016	4/27/2016	Reverse	Measure flows in Ivanhoe Interceptor near London Rd and railroad tracks	Good hydraulic conditions were observed at original locations, but ADS had traffic safety concerns	Moved two manholes downstream to avoid traffic coming over the hill, also installed reverse due to a 24" sewer connect u/s of the manhole
RSLD	56.3" x 44.4" No. 7 Egg	58.13" x 44" Egg*	15	No	4/13/2016	4/27/2016	Standard	Measure flows in combined sewer near Roseland/Wayside Intersection	The initial manhole location was paved over, so there is no access to it anymore	Moved one manhole downstream

*The cross section ordinates used by ADS are provided in Attachment 7

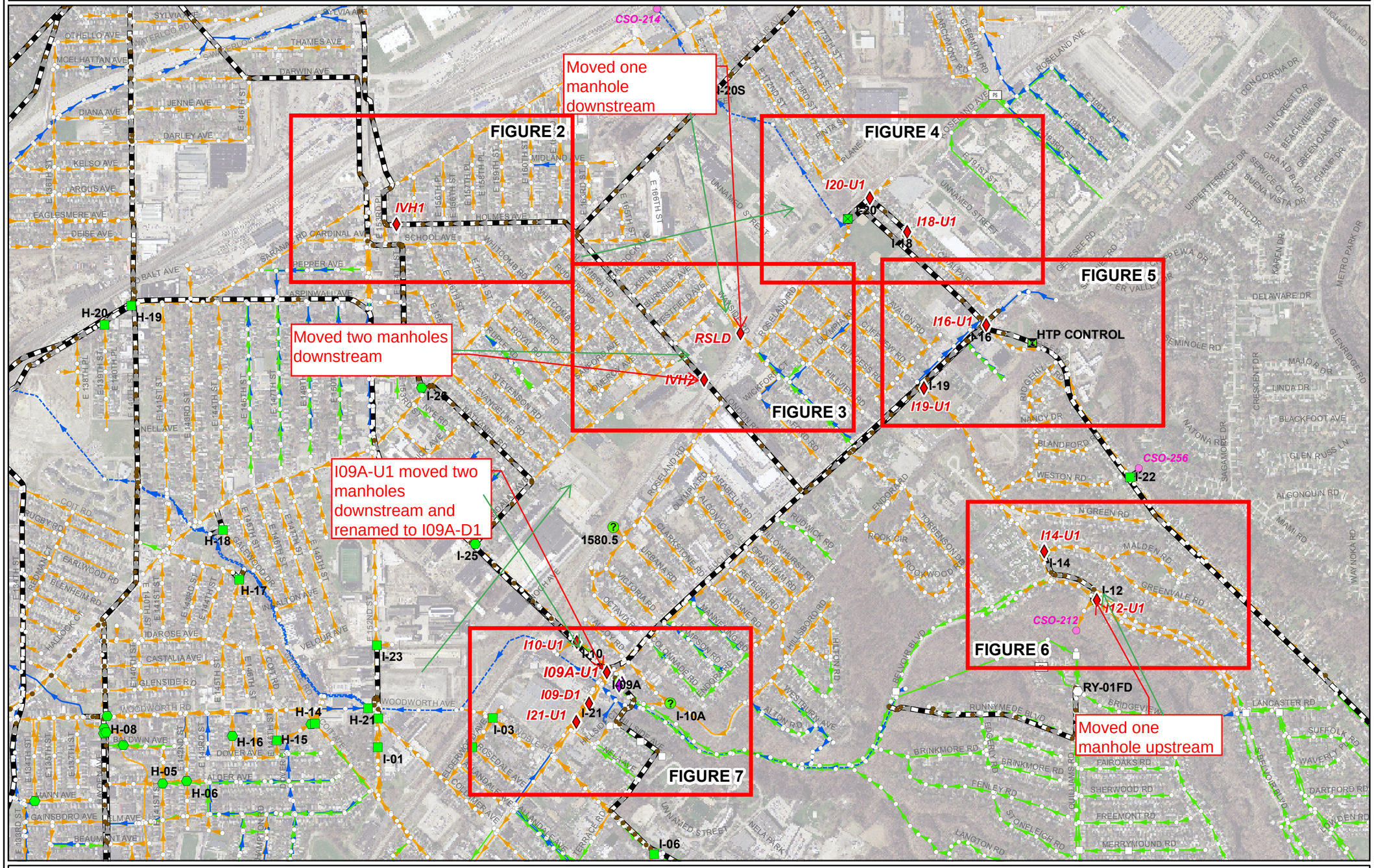
Attachment 2: Map Book Marked-Up with Field Investigation Summary

Green Arrow shows locations of new meter

Northeast Ohio Regional Sewer District

PROJECT CLEAN LAKE

LONDON ROAD RELIEF SEWER PROJECT



Legend

Flow Monitoring Plan
- Temporary Monitor
- District Monitor

Existing Infrastructure
- Automated Regulator
- CSO Regulator
- SSO Regulator
- Flow Divider-Combined
- Flow Divider-Sanitary
- Hydrobrake
- Backflow
- Manual Gate
- Siphon
- Unclassified Structure
- District Pump Station
- Local Pump Station
- Local Manhole
- Manhole
- District CSO Permit Point
- District Sewer
- Combined Sewer
- CSO Overflow
- Sanitary Sewer
- Storm Sewer
- Culverted Stream

0 500 1,000 Feet

Figure 1. Overview of Flow Monitoring Plan.

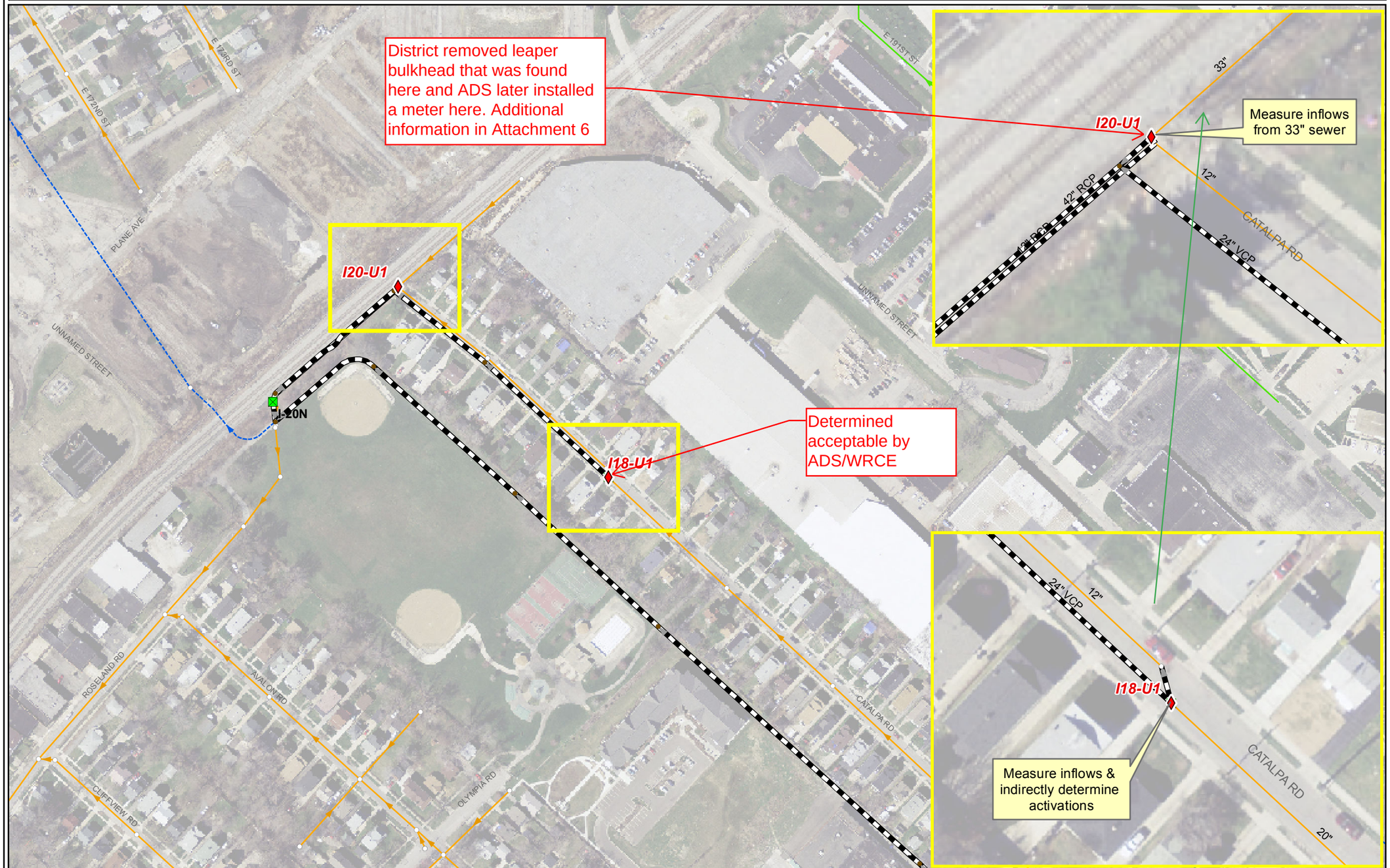
3/4/2016

WADETRIM TEAM

Pre-Design Flow Monitoring Plan

Northeast Ohio Regional Sewer District

LONDON ROAD RELIEF SEWER PROJECT



Legend

Flow Monitoring Plan
- Temporary Monitor
- District Monitor

Existing Infrastructure
- Automated Regulator
- CSO Regulator
- SSO Regulator
- Flow Divider-Combined
- Flow Divider-Sanitary
- Hydrobrake
- Backflow
- Manual Gate
- Siphon
- Unclassified Structure
- District Pump Station
- Local Pump Station
- Local Manhole
- Manhole
- District CSO Permit Point
- District Sewer
- Combined Sewer
- CSO Overflow
- Sanitary Sewer
- Storm Sewer
- Culverted Stream

0 100 200 Feet

WADETRIM TEAM

Pre-Design Flow Monitoring Plan

Figure 4

3/4/2016

Attachment 3: Site Installation Reports

NEORSD LRRS

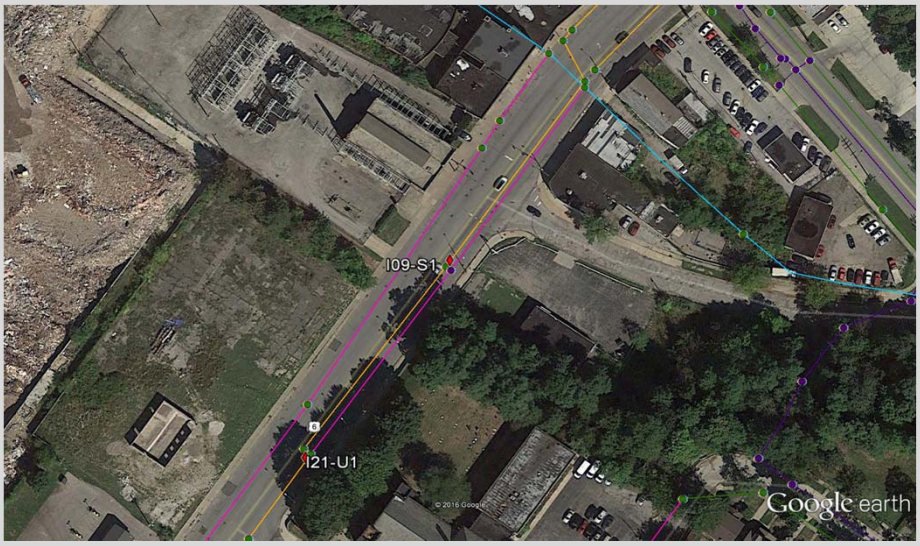
Flow Monitoring Site Installation Report

ADS ENVIRONMENTAL SERVICES®

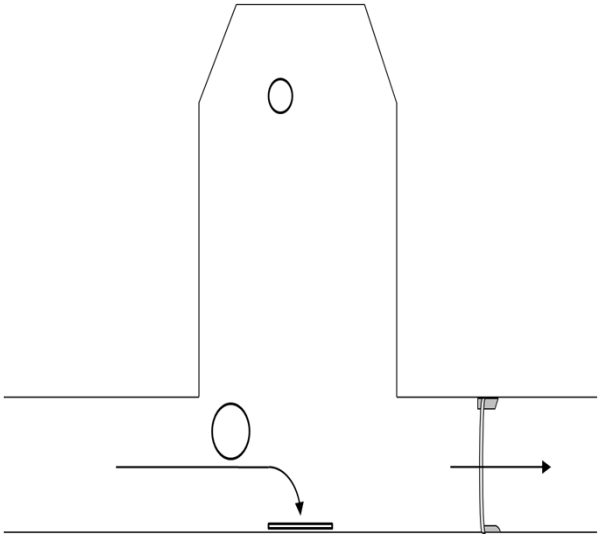
Site I.D.

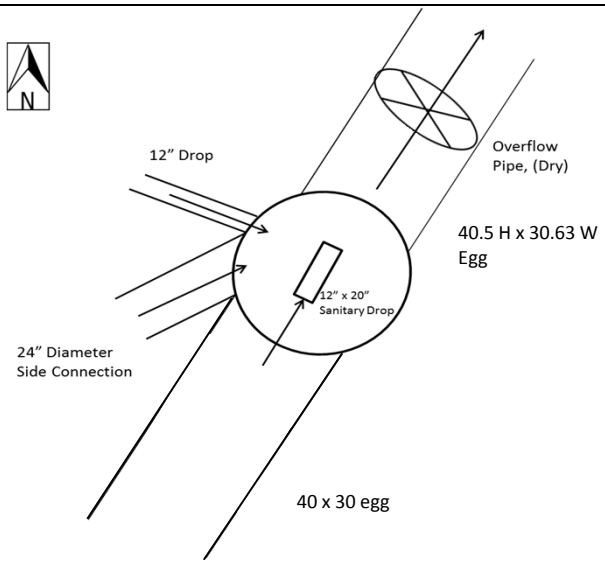
I09-S1

Site Address / Location:	EB center lane of Euclid Ave., between 16200 Euclid and Hillsboro Rd.	Monitor Series	Location Type
		TRITON+	Temporary
Site Access:	Drive / Traffic	Pipe Size (H x W)	Pipe Shape
		40.5" x 30.63"	Egg



Manhole #	System Characteristics
Not Available	Residential
Access	Traffic
Drive	Medium





ADS Project Name:	NEORSD.WRCE-LORS.TFM.OH16
ADS Project Number:	

Installation Information

Installation Date:	Installation Type:
Monday, April 25, 2016	Doppler Special Installation
Monitoring Location (Sensors):	Monitor Location:
Downstream 5-10 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4), Smart Depth (CS5)	0 -5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
12:32:00 PM	40.5" x 30.63"
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
25.75	13.5
Downlooker Physical Offset (in)	Measurement Confidence (in)
1.38	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
0	0
Silt (in)	Silt Type
0	

Hydraulic Comments:

Dry pipe.

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
12	Leaping Weir
Manhole Material:	Manhole Condition:
Brick	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
24	36
Manhole Cover	Manhole Frame
Vented	Normal
Active Drop Connections	Air Quality:
Yes, Inside	20.9, 0, 0
Pipe Material	Pipe Condition:
Brick	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Manhole Pick / Vent Hole

Additional Site Info. / Comments:

Box test used to verify depth sensor.

Additional Photos

Upstream

Downstream

Sanitary

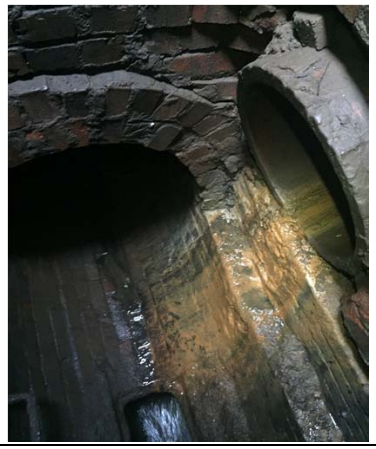
24" Connection

From Top

Location

24" connection

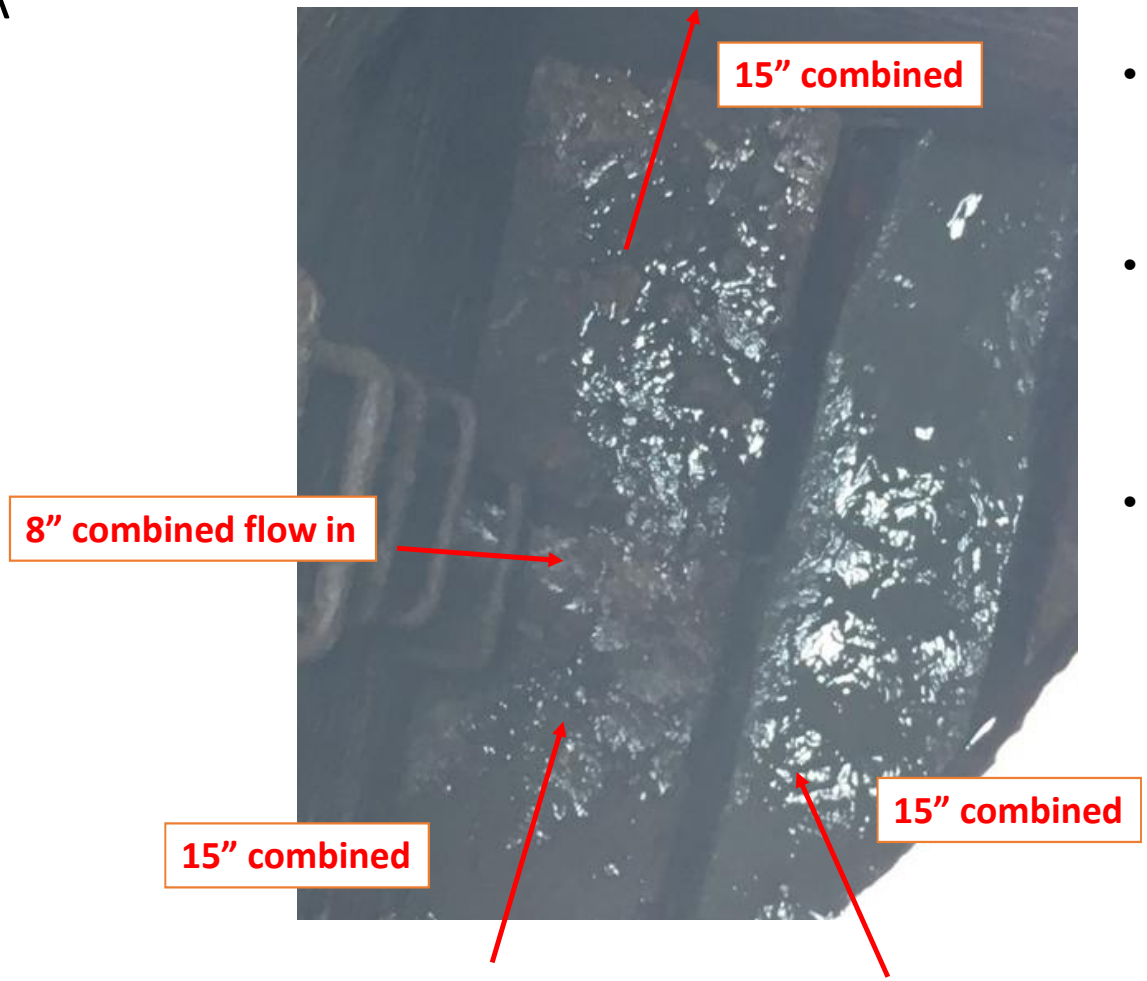
24" connection



Plugged 12"

Attachment 4: I09A-D1 Field Investigation Notes

Euclid & Ivanhoe sewer connectivity investigation 4-13-16 At I-09A



- Expected the 8” pipe to the northwest to be relief pipe, as per GIS
- Observed flows entering manhole from 8” combined flow pipe from the northwest during field investigation
- I-09A is not a flow divider and therefore nor critical for LRRS flow monitoring

Attachment 5: I12-U1 Field Investigation Notes

Belvoir sewer connectivity investigation 4-14-16

Investigated connectivity of sanitary and combined sewers along Belvoir

Belvoir sewer connectivity investigation 4-14-16 Lancaster & Belvoir

Located and Opened Manholes

1. Sanitary manhole upstream SSO I-13
2. Sanitary manhole on DWO from SSO 1-13
3. Sanitary manhole north of Lancaster
4. Combined manhole east side Belvoir
5. Combined manhole west side Belvoir
6. SSO SWO west side of Belvoir
7. Sanitary manhole south of Lancaster

ArcGIS Online (AGOL) connectivity generally correct. Could not locate manhole where sanitary sewer ties into combined sewer. AGOL connectivity in agreement with IMP-345. Could not locate a sanitary manhole south of intersection

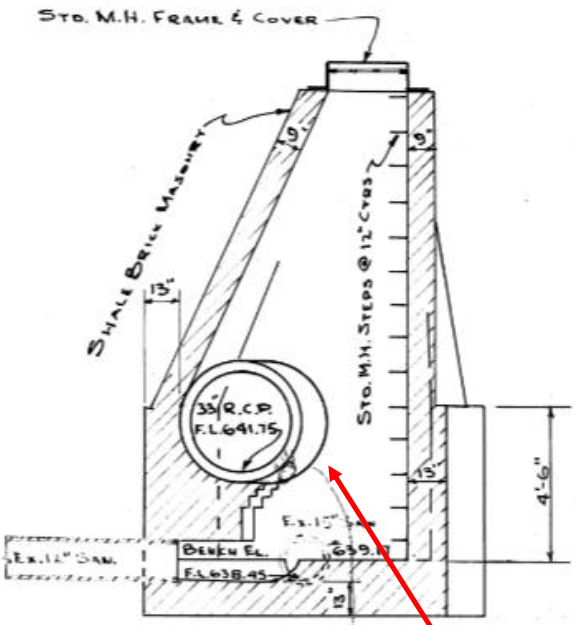
County plan IMP-345 - Plan associated with 36" Belvoir trunk line

Attachment 6: I20-U1 Field Investigation Notes

I-20 field recon

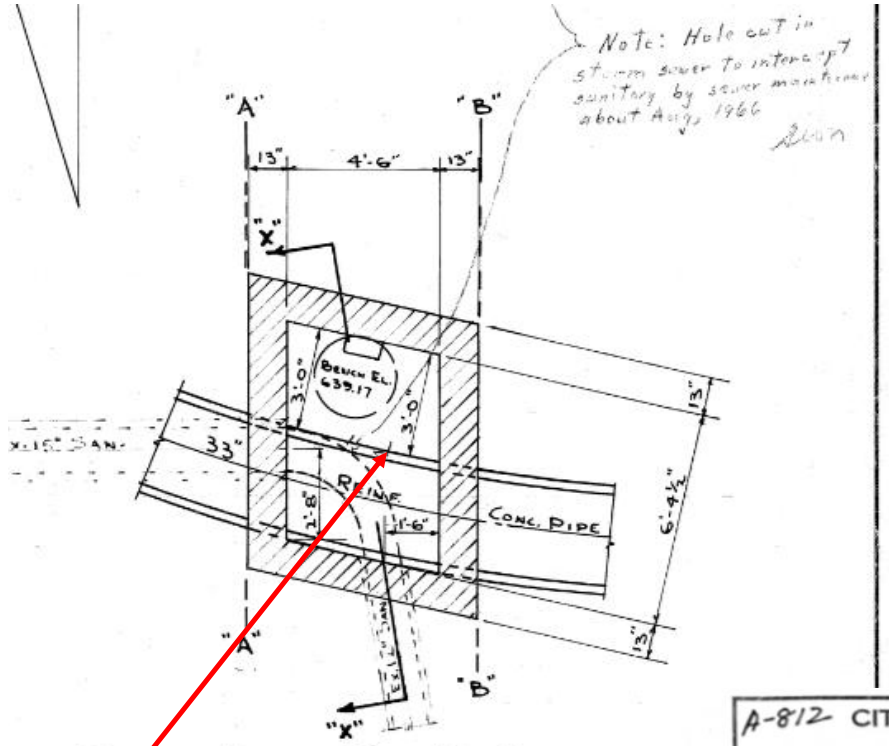
Opened both manholes at Catalapa & RR tracks

Did not investigate other manholes along tracks



REVISED SECTION "X"-"X"
SCALE 1/4" = 1'-0"

Note: Hole cut in storm sewer to intercept sanitary by sewer maintenance about Aug. 1966



REVISED DETAIL PLAN OF SANITARY MANHOLE AT CATALPA RD.
SCALE 1/4" = 1'-0"

Note: Hole cut in storm sewer to intercept sanitary by sewer maintenance about Aug. 1966

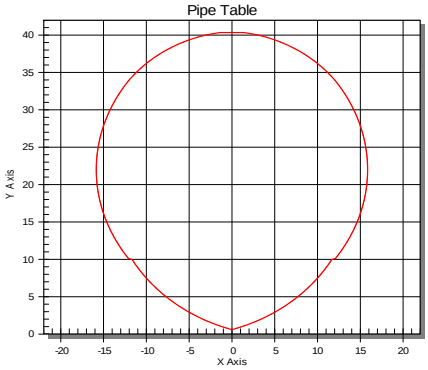
A-812 CITY OF CLEVELAND
ENGINEERING DIVISION
LOUIS L. DRASLER - DIRECTOR OF PUBLIC SERVICE
PLAN FOR
GREEN CREEK STORM SEWER OUTLET
AT
CATALPA RD.

SCALE HORZ 1" = 50' VERT 1" = 10'	DRAFTSMAN	LEG. / CONST. NUHN	DATE / DATE 1-5-55
LEG. PLANS APPROVED BY		CONST. PLANS APPROVED BY	
ENG. OF SEWER DES.	DATE	ENG. OF SEWER DES. E.C. Richardson	DATE 1-5-55
CHIEF DRAFTSMAN	DATE	CHIEF DRAFTSMAN F.P. Comperchioli	DATE 1-6-55
ASS'T COMM. OF ENG.	DATE	ENG. OF CONST. C. Kelley	DATE 1-6-55
SYMBOL / DATE / APPROVED: CURVES AT PIPES 8-8-55 P.F.N.		ASS'T COMM. OF ENG. S. H. Herndon	DATE 1-6-55
CURVE LINE BEFORE LOW 11-14-56 P.F.N.		COMM. OF ENG. Jay R. Katz	DATE 3/12/56
DETAIL ADDED 11-12-56 P.F.N.			
COMM. OF ENG.	DATE		FILE NO. A-812

Hole cut in pipe noted on plan.
Appears hole is not directly on invert of pipe, but offset slightly.

Attachment 7: Pipe Cross Section Ordinates

I09-S1 40.5 x 31.5



DEPTH (in)	AREA (sqft)	PERIM (ft)	CHORD (ft)
0	0	0	0
0.158203	0.004506	0.411788	0
0.316406	0.007412	0.414319	0
0.474609	0.008946	0.418504	0
0.632813	0.009265	0.44265	0.018888
0.791016	0.008481	0.526852	0.098853
0.949219	0.006685	0.605359	0.172798
1.107422	0.003947	0.679228	0.241799
1.265625	0.000328	0.749223	0.306636
1.423828	0.004122	0.815922	0.367902
1.582031	0.009359	0.879776	0.426056
1.740234	0.015344	0.941139	0.481464
1.898438	0.022043	1.0003	0.534424
2.056641	0.029426	1.057496	0.58518
2.214844	0.037464	1.112927	0.633937
2.373047	0.046133	1.16676	0.68087
2.53125	0.055409	1.219138	0.726126
2.689453	0.065272	1.270184	0.769835
2.847656	0.075702	1.320007	0.812108
3.005859	0.086679	1.368699	0.853043
3.164063	0.098188	1.416345	0.892728
3.322266	0.110213	1.463018	0.931239
3.480469	0.122738	1.508783	0.968644
3.638672	0.135749	1.553699	1.005007
3.796875	0.149233	1.59782	1.040381
3.955078	0.163176	1.641193	1.074819
4.113281	0.177569	1.683861	1.108366
4.271484	0.192397	1.725866	1.141063
4.429688	0.207652	1.767242	1.172949
4.587891	0.223321	1.808023	1.204059
4.746094	0.239396	1.848239	1.234425
4.904297	0.255866	1.88792	1.264078
5.0625	0.272723	1.92709	1.293046
5.220703	0.289957	1.965775	1.321352
5.378906	0.307561	2.003997	1.349023
5.537109	0.325525	2.041776	1.376079
5.695313	0.343841	2.079133	1.402542
5.853516	0.362503	2.116085	1.42843
6.011719	0.381503	2.15265	1.453763
6.169922	0.400833	2.188843	1.478556
6.328125	0.420486	2.22468	1.502827
6.486328	0.440456	2.260176	1.52659
6.644531	0.460735	2.295342	1.549859
6.802734	0.481319	2.330193	1.572648
6.960938	0.5022	2.36474	1.594969
7.119141	0.523372	2.398994	1.616835
7.277344	0.544829	2.432966	1.638256
7.435547	0.566566	2.466666	1.659243
7.59375	0.588577	2.500105	1.679808
7.751953	0.610856	2.53329	1.699958
7.910156	0.633398	2.566231	1.719704
8.068359	0.656198	2.598937	1.739053
8.226563	0.67925	2.631415	1.758016
8.384766	0.70255	2.663672	1.776599
8.542969	0.726093	2.695717	1.794809
8.701172	0.749873	2.727556	1.812655
8.859375	0.773886	2.759196	1.830143
9.017578	0.798127	2.790643	1.84728
9.175781	0.822592	2.821903	1.864072
9.333984	0.847276	2.852982	1.880525
9.492188	0.872175	2.883886	1.896644
9.650391	0.897284	2.914621	1.912436
9.808594	0.922599	2.945191	1.927905
9.966797	0.948116	2.975602	1.943058
10.125	0.974439	3.007552	2.016096
10.283203	1.00114	3.039679	2.034451
10.441406	1.02808	3.0716	2.052444
10.599609	1.055255	3.103322	2.070081
10.757813	1.082661	3.134852	2.087369
10.916016	1.110292	3.166195	2.104315
11.074219	1.138144	3.197358	2.120924
11.232422	1.166213	3.228345	2.137203
11.390625	1.194495	3.259163	2.153156
11.548828	1.222984	3.289817	2.168789
11.707031	1.251678	3.320311	2.184108
11.865234	1.280572	3.35065	2.199115
12.023438	1.309661	3.380839	2.213818
12.181641	1.338943	3.410883	2.228219
12.339844	1.368412	3.440785	2.242323
12.498047	1.398065	3.470551	2.256134
12.65625	1.427899	3.500184	2.269657
12.814453	1.457908	3.529687	2.282895
12.972656	1.488091	3.559066	2.295851
13.130859	1.518442	3.588323	2.308529
13.289063	1.548959	3.617462	2.320934
13.447266	1.579638	3.646487	2.333066
13.605469	1.610474	3.675401	2.344931
13.763672	1.641466	3.704207	2.356531

Appendix:

Current CSO and Bypass Reports Submitted to OEPA

(IX. Paragraph 46.d.)

"NEORSD shall also submit, with each Semi-Annual Status report, copies (to EPA only) of all monthly monitoring reports, noncompliance reports, and other reports pertaining to CSO discharges and bypasses that NEORSD submitted to or is required to submit to Ohio EPA in the preceding six months."

CSO Permit eDMR Reports

First Half of 2017

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	025
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-01-01							
2017-01-02							
2017-01-03							
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12							
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17							
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	035
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-01-01							
2017-01-02							
2017-01-03							
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12	1	0.0543					
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17							
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum	1.0	0.0543					
Maximum	1.0	0.0543					
Average	1	0.0543					
Count	1	1					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	038
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-01-01							
2017-01-02							
2017-01-03							
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12							
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17							
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2017-01-01							
2017-01-02							
2017-01-03						1	3.0546
2017-01-04							1.0254
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10						1	2.5466
2017-01-11							0.0765
2017-01-12	39.3	0.3	1.803	1.66	0.283	1	19.0975
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17	36.5	2.054	6.034	1.562	0.73	1	3.0818
2017-01-18							
2017-01-19							
2017-01-20						1	0.8582
2017-01-21							
2017-01-22							
2017-01-23						1	0.2982
2017-01-24						1	0.0009
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum	36.5	0.3	1.803	1.562	0.283	1.0	9.0E-4
Maximum	39.3	2.054	6.034	1.66	0.73	1.0	19.0975
Average	37.9	1.177	3.9185	1.611	0.5065	1	3.33774
Count	2	2	2	2	2	7	9

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2017-01-01							
2017-01-02							
2017-01-03							
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12							
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17	11.2						
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum	11.2						
Maximum	11.2						
Average	11.2						
Count	1						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	044
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-01-01							
2017-01-02							
2017-01-03							
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12							
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17							
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	045
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-01-01							
2017-01-02							
2017-01-03							
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12	1	0.152					
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17							
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum	1.0	0.152					
Maximum	1.0	0.152					
Average	1	0.152					
Count	1	1					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	056
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-01-01							
2017-01-02							
2017-01-03	1	1.3727					
2017-01-04		0.1566					
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10	1	0.9166					
2017-01-11		0.0142					
2017-01-12	1	6.1612					
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17	1	1.7801					
2017-01-18							
2017-01-19							
2017-01-20	1	0.3723					
2017-01-21							
2017-01-22							
2017-01-23	1	0.6161					
2017-01-24	1	0.0414					
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum	1.0	0.0142					
Maximum	1.0	6.1612					
Average	1	1.27013					
Count	7	9					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	058
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-01-01							
2017-01-02							
2017-01-03	1	2.6972					
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10	1	1.1465					
2017-01-11		0.0175					
2017-01-12	1	18.6922					
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17	1	5.0209					
2017-01-18							
2017-01-19							
2017-01-20	1	0.0832					
2017-01-21							
2017-01-22							
2017-01-23	1	0.8001					
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum	1.0	0.0175					
Maximum	1.0	18.6922					
Average	1	4.06537					
Count	6	7					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	059
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-01-01							
2017-01-02							
2017-01-03							
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12	1	0.0501					
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17							
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum	1.0	0.0501					
Maximum	1.0	0.0501					
Average	1	0.0501					
Count	1	1					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	069
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-01-01							
2017-01-02							
2017-01-03							
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12							
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17							
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	072
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-01-01							
2017-01-02							
2017-01-03							
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12							
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17							
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2017-01-01							
2017-01-02							
2017-01-03						1	0.6111
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10						1	0.0411
2017-01-11							
2017-01-12	42.5	0.998	4.162	1.407	0.617	1	4.3132
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17	238	1.238	4.519	0.418	0.743	1	0.1588
2017-01-18							
2017-01-19							
2017-01-20						1	0.0039
2017-01-21							
2017-01-22							
2017-01-23						1	0.0064
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum	42.5	0.998	4.162	0.418	0.617	1.0	0.0039
Maximum	238.0	1.238	4.519	1.407	0.743	1.0	4.3132
Average	140.25	1.118	4.3405	0.9125	0.68	1	0.85575
Count	2	2	2	2	2	6	6

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2017-01-01							
2017-01-02							
2017-01-03							
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12	43.7						
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17	12.7						
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum	12.7						
Maximum	43.7						
Average	28.2						
Count	2						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	088
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-01-01							
2017-01-02							
2017-01-03	1	0.404					
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12	1	0.1414					
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17							
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum		0.1414					
Maximum		0.404					
Average		0.2727					
Count		2					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2017-01-01							
2017-01-02							
2017-01-03							
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12							
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17							
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2017-01-01							
2017-01-02							
2017-01-03							
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12							
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17							
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2017-01-01							
2017-01-02							
2017-01-03							
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12						1	0.1513
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17							
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum						1.0	0.1513
Maximum						1.0	0.1513
Average						1	0.1513
Count						1	1

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2017-01-01							
2017-01-02							
2017-01-03							
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12							
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17							
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2017-01-01							
2017-01-02							
2017-01-03						1	1.8070
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10						1	0.3824
2017-01-11							
2017-01-12	143	0.401	2.755	1.697	0.389	1	10.5301
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17	236.5	0.646	2.973	0.762	0.56	1	2.3148
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum	143.0	0.401	2.755	0.762	0.389	1.0	0.3824
Maximum	236.5	0.646	2.973	1.697	0.56	1.0	10.5301
Average	189.75	0.5235	2.864	1.2295	0.4745	1	3.75858
Count	2	2	2	2	2	4	4

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2017-01-01							
2017-01-02							
2017-01-03							
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12							
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17	10.9						
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum	10.9						
Maximum	10.9						
Average	10.9						
Count	1						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	211
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-01-01							
2017-01-02							
2017-01-03	1	0.4452					
2017-01-04	1	0.3962					
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10	1	0.3738					
2017-01-11	1	0.0056					
2017-01-12	1	1.4560					
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17	1	2.8560					
2017-01-18							
2017-01-19							
2017-01-20	1	0.5320					
2017-01-21							
2017-01-22							
2017-01-23	1	0.1974					
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum	1.0	0.0056					
Maximum	1.0	2.856					
Average	1	0.78278					
Count	8	8					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2017-01-01							
2017-01-02							
2017-01-03						1	0.2139
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10						1	0.0148
2017-01-11							
2017-01-12						1	1.2825
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17	255	0.812	3.75	0.352	0.705	1	0.2198
2017-01-18							
2017-01-19							
2017-01-20						1	0.0242
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum	255.0	0.812	3.75	0.352	0.705	1.0	0.0148
Maximum	255.0	0.812	3.75	0.352	0.705	1.0	1.2825
Average	255	0.812	3.75	0.352	0.705	1	0.35104
Count	1	1	1	1	1	5	5

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2017-01-01							
2017-01-02							
2017-01-03							
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12							
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17	18.4						
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum	18.4						
Maximum	18.4						
Average	18.4						
Count	1						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	232
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total Estimate	Total Estimate					
2017-01-01	AH	AH					
2017-01-02	AH	AH					
2017-01-03	AH	AH					
2017-01-04	AH	AH					
2017-01-05	AH	AH					
2017-01-06	AH	AH					
2017-01-07	AH	AH					
2017-01-08	AH	AH					
2017-01-09	AH	AH					
2017-01-10	AH	AH					
2017-01-11	AH	AH					
2017-01-12	AH	AH					
2017-01-13	AH	AH					
2017-01-14	AH	AH					
2017-01-15	AH	AH					
2017-01-16	AH	AH					
2017-01-17	AH	AH					
2017-01-18	AH	AH					
2017-01-19	AH	AH					
2017-01-20	AH	AH					
2017-01-21	AH	AH					
2017-01-22	AH	AH					
2017-01-23	AH	AH					
2017-01-24	AH	AH					
2017-01-25	AH	AH					
2017-01-26	AH	AH					
2017-01-27	AH	AH					
2017-01-28	AH	AH					
2017-01-29	AH	AH					
2017-01-30	AH	AH					
2017-01-31	AH	AH					
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2017-01-01							
2017-01-02							
2017-01-03						1	1.6600
2017-01-04							1.2718
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10						1	2.2052
2017-01-11							1.6219
2017-01-12	82	0.712	4.095	3.675	0.826	1	19.5228
2017-01-13							0.0082
2017-01-14							
2017-01-15							
2017-01-16						1	0.1476
2017-01-17	101.5	0.805	3.187	1.525	0.586		2.6847
2017-01-18							
2017-01-19							
2017-01-20						1	0.2365
2017-01-21							
2017-01-22						1	0.3029
2017-01-23							0.3704
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31						1	0.0681
Minimum	82.0	0.712	3.187	1.525	0.586	1.0	0.0082
Maximum	101.5	0.805	4.095	3.675	0.826	1.0	19.5228
Average	91.75	0.7585	3.641	2.6	0.706	1	2.50834
Count	2	2	2	2	2	7	12

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2017-01-01							
2017-01-02							
2017-01-03							
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12	18.4						
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17	12.6						
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum	12.6						
Maximum	18.4						
Average	15.5						
Count	2						

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	242
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-01-01							
2017-01-02							
2017-01-03							
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12	1	2.6670					
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17							
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum	1.0	2.667					
Maximum	1.0	2.667					
Average	1	2.667					
Count	1	1					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646647	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	258
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-01-01							
2017-01-02							
2017-01-03							
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12	1	2.3526					
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17							
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum	1.0	2.3526					
Maximum	1.0	2.3526					
Average	1	2.3526					
Count	1	1					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-16 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Northeast Ohio Regional SD
LOCATION: 3826 Euclid Ave
Cleveland, OH 44115

PERMIT NUMBER: ***3PA00002*HD***
MONITORING PERIOD : **2017-01-01** To: **2017-01-31**

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
232	Overflow Occurrence per Year	51709	2017-01-01	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-02	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-03	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-04	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-05	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-06	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-07	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-08	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-09	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-10	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-11	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-12	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-13	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-14	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-15	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-16	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-17	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-18	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-19	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-20	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-21	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-22	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-23	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-24	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-25	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-26	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-27	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Occurrence per Year	51709	2017-01-28	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-29	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-30	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-01-31	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-01	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-02	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-03	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-04	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-05	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-06	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-07	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-08	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-09	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-10	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-11	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-12	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-13	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-14	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-15	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-16	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-17	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-18	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-19	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-20	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-21	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-22	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-23	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-24	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-25	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-26	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-27	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-28	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Volume	74063	2017-01-29	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-30	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-01-31	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	025
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07							
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24							
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	035
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07	1	0.5245					
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24	1	0.0325					
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum	1.0	0.0325					
Maximum	1.0	0.5245					
Average	1	0.2785					
Count	2	2					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	038
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07							
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24							
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06						1	0.1465
2017-02-07						1	52.7351
2017-02-08							0.8061
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12						1	0.5033
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24						1	0.5936
2017-02-25							0.3205
2017-02-26							
2017-02-27							
2017-02-28							
Minimum						1.0	0.1465
Maximum						1.0	52.7351
Average						1	9.18418
Count						4	6

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07							
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24							
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	044
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07	1	0.0067					
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24							
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum	1.0	0.0067					
Maximum	1.0	0.0067					
Average	1	0.0067					
Count	1	1					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	045
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07	1	0.98					
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24	1	0.23					
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum	1.0	0.23					
Maximum	1.0	0.98					
Average	1	0.605					
Count	2	2					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	056
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07	1	9.2581					
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12	1	0.1402					
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24	1	0.2017					
2017-02-25		0.9426					
2017-02-26							
2017-02-27							
2017-02-28							
Minimum	1.0	0.1402					
Maximum	1.0	9.2581					
Average	1	2.63565					
Count	3	4					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	058
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07	1	33.9156					
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24	1	0.2979					
2017-02-25		1.0589					
2017-02-26							
2017-02-27							
2017-02-28							
Minimum	1.0	0.2979					
Maximum	1.0	33.9156					
Average	1	11.75747					
Count	2	3					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	059
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07	1	1.3242					
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24	1	0.2482					
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum	1.0	0.2482					
Maximum	1.0	1.3242					
Average	1	0.7862					
Count	2	2					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	069
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07							
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24							
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	072
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07	1	0.0876					
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24							
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum	1.0	0.0876					
Maximum	1.0	0.0876					
Average	1	0.0876					
Count	1	1					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07						1	6.9505
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24						1	0.8581
2017-02-25							0.0956
2017-02-26							
2017-02-27							
2017-02-28							
Minimum						1.0	0.0956
Maximum						1.0	6.9505
Average						1	2.63473
Count						2	3

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07							
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24							
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	088
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07	1	1.7271					
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24	1	0.5555					
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum		0.5555					
Maximum		1.7271					
Average		1.1413					
Count		2					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07						AD	AD
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24						1	2.2596
2017-02-25							1.0408
2017-02-26							
2017-02-27							
2017-02-28							
Minimum						1.0	1.0408
Maximum						1.0	2.2596
Average						1	1.6502
Count						1	2

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07							
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24							
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07	118	0.376	1.735	0.276	0.304	1	0.0707
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24						1	0.0641
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum	118.0	0.376	1.735	0.276	0.304	1.0	0.0641
Maximum	118.0	0.376	1.735	0.276	0.304	1.0	0.0707
Average	118	0.376	1.735	0.276	0.304	1	0.0674
Count	1	1	1	1	1	2	2

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07	16.3						
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24							
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum	16.3						
Maximum	16.3						
Average	16.3						
Count	1						

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07						1	6.9485
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24						1	0.1515
2017-02-25							0.4526
2017-02-26							
2017-02-27							
2017-02-28							
Minimum						1.0	0.1515
Maximum						1.0	6.9485
Average						1	2.51753
Count						2	3

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07							
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24							
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	211
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07	1	4.676					
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12	1	0.084					
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24	1	0.154					
2017-02-25		0.728					
2017-02-26							
2017-02-27							
2017-02-28							
Minimum	1.0	0.084					
Maximum	1.0	4.676					
Average	1	1.4105					
Count	3	4					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07						AD	AD
2017-02-08						AD	AD
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24							
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07							
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24							
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	232
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total Estimate	Total Estimate					
2017-02-01	AH	AH					
2017-02-02	AH	AH					
2017-02-03	AH	AH					
2017-02-04	AH	AH					
2017-02-05	AH	AH					
2017-02-06	AH	AH					
2017-02-07	AH	AH					
2017-02-08	AH	AH					
2017-02-09	AH	AH					
2017-02-10	AH	AH					
2017-02-11	AH	AH					
2017-02-12	AH	AH					
2017-02-13	AH	AH					
2017-02-14	AH	AH					
2017-02-15	AH	AH					
2017-02-16	AH	AH					
2017-02-17	AH	AH					
2017-02-18	AH	AH					
2017-02-19	AH	AH					
2017-02-20	AH	AH					
2017-02-21	AH	AH					
2017-02-22	AH	AH					
2017-02-23	AH	AH					
2017-02-24	AH	AH					
2017-02-25	AH	AH					
2017-02-26	AH	AH					
2017-02-27	AH	AH					
2017-02-28	AH	AH					
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2017-02-01							0.5408
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07						1	18.1957
2017-02-08							0.4112
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12						1	0.5734
2017-02-13							0.0571
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24						1	0.0584
2017-02-25							1.0054
2017-02-26							
2017-02-27							
2017-02-28							
Minimum						1.0	0.0571
Maximum						1.0	18.1957
Average						1	2.97743
Count						3	7

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07							
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24							
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	242
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07	1	0.1380					
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24							
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum	1.0	0.138					
Maximum	1.0	0.138					
Average	1	0.138					
Count	1	1					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653985	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	258
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07	1	7.4950					
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24							
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum	1.0	7.495					
Maximum	1.0	7.495					
Average	1	7.495					
Count	1	1					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-03-17 19:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Northeast Ohio Regional SD
LOCATION: 3826 Euclid Ave
Cleveland, OH 44115

PERMIT NUMBER: ***3PA00002*HD***
MONITORING PERIOD : **2017-02-01** To: **2017-02-28**

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
200	Overflow Occurrence	74062	2017-02-07	No./Month	Automatic Analyzer Out of Service
200	Overflow Volume	74063	2017-02-07	Million Gallons	Automatic Analyzer Out of Service
218	Overflow Occurrence	74062	2017-02-07	No./Month	Automatic Analyzer Out of Service
218	Overflow Occurrence	74062	2017-02-08	No./Month	Automatic Analyzer Out of Service
218	Overflow Volume	74063	2017-02-07	Million Gallons	Automatic Analyzer Out of Service
218	Overflow Volume	74063	2017-02-08	Million Gallons	Automatic Analyzer Out of Service
232	Overflow Occurrence per Year	51709	2017-02-01	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-02	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-03	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-04	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-05	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-06	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-07	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-08	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-09	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-10	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-11	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-12	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-13	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-14	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-15	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-16	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-17	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-18	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-19	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-20	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-21	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Occurrence per Year	51709	2017-02-22	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-23	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-24	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-25	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-26	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-27	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-02-28	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-01	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-02	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-03	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-04	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-05	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-06	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-07	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-08	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-09	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-10	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-11	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-12	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-13	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-14	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-15	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-16	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-17	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-18	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-19	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-20	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-21	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-22	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-23	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-24	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-25	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Volume	74063	2017-02-26	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-27	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-02-28	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	025
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-03-01							
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07							
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26							
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30							
2017-03-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	035
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-03-01	1	0.0383					
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07							
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26	1	0.0046					
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30	1	0.0081					
2017-03-31							
Minimum	1.0	0.0046					
Maximum	1.0	0.0383					
Average	1	0.017					
Count	3	3					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	038
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-03-01							
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07							
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26							
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30							
2017-03-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2017-03-01						1	3.7364
2017-03-02							0.0327
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06						1	1.1303
2017-03-07							4.0579
2017-03-08							0.0050
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18						1	0.0121
2017-03-19							
2017-03-20						1	0.1604
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24						1	2.2633
2017-03-25							
2017-03-26						1	0.3106
2017-03-27							0.0899
2017-03-28						1	0.0037
2017-03-29							
2017-03-30						1	1.9594
2017-03-31							4.7159
Minimum						1.0	0.0037
Maximum						1.0	4.7159
Average						1	1.42135
Count						8	13

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2017-03-01							
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07							
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26							
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30							
2017-03-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	044
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-03-01							
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07							
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26							
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30							
2017-03-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	045
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-03-01							
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07							
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26							
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30							
2017-03-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	056
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-03-01	1	1.7380					
2017-03-02		0.0494					
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06	1	0.1776					
2017-03-07		2.7973					
2017-03-08		0.0073					
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26							
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30							
2017-03-31	1	0.3274					
Minimum	1.0	0.0073					
Maximum	1.0	2.7973					
Average	1	0.8495					
Count	3	6					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	058
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-03-01	1	2.6948					
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07	1	4.1489					
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26							
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30	1	0.7484					
2017-03-31		10.7173					
Minimum	1.0	0.7484					
Maximum	1.0	10.7173					
Average	1	4.57735					
Count	3	4					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	059
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-03-01	1	0.0567					
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07							
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26	1	0.0932					
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30							
2017-03-31							
Minimum	1.0	0.0567					
Maximum	1.0	0.0932					
Average	1	0.07495					
Count	2	2					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	069
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-03-01							
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07							
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26							
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30							
2017-03-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	072
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-03-01							
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07							
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26							
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30							
2017-03-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2017-03-01						1	1.3975
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07						1	0.0429
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24						1	0.0568
2017-03-25							
2017-03-26						1	0.1768
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30						1	0.7696
2017-03-31						1	0.4249
Minimum						1.0	0.0429
Maximum						1.0	1.3975
Average						1	0.47808
Count						6	6

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2017-03-01							
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07							
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26							
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30							
2017-03-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	088
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-03-01	1	0.2626					
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07	1	0.202					
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26	1	0.1616					
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30	1	0.2424					
2017-03-31	1	0.2727					
Minimum		0.1616					
Maximum		0.2727					
Average		0.22826					
Count		5					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2017-03-01						1	2.2134
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06						1	0.0230
2017-03-07	84	1.691	5.68	0.675	4.464	1	0.4190
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20						1	0.0169
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24						1	0.4177
2017-03-25							
2017-03-26						1	0.3341
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30						1	0.0020
2017-03-31							
Minimum	84.0	1.691	5.68	0.675	4.464	1.0	0.002
Maximum	84.0	1.691	5.68	0.675	4.464	1.0	2.2134
Average	84	1.691	5.68	0.675	4.464	1	0.48944
Count	1	1	1	1	1	7	7

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2017-03-01							
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07	41.8						
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26							
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30							
2017-03-31							
Minimum	41.8						
Maximum	41.8						
Average	41.8						
Count	1						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2017-03-01						1	0.1593
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07							
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26							
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30						1	0.0476
2017-03-31							
Minimum						1.0	0.0476
Maximum						1.0	0.1593
Average						1	0.10345
Count						2	2

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2017-03-01							
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07							
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26							
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30							
2017-03-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2017-03-01						1	1.3813
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06						1	0.2674
2017-03-07							
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26						1	0.7110
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30						1	3.6080
2017-03-31							7.2909
Minimum						1.0	0.2674
Maximum						1.0	7.2909
Average						1	2.65172
Count						4	5

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2017-03-01							
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07							
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26							
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30							
2017-03-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	211
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-03-01	1	1.568					
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06	1	0.252					
2017-03-07		1.428					
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24	1	0.588					
2017-03-25							
2017-03-26	1	0.252					
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30	1	0.896					
2017-03-31		2.506					
Minimum	1.0	0.252					
Maximum	1.0	2.506					
Average	1	1.07					
Count	5	7					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2017-03-01						1	1.17
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06						1	1.97
2017-03-07							
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24						1	1.41
2017-03-25							
2017-03-26						1	0.99
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30						1	7.81
2017-03-31							
Minimum						1.0	0.99
Maximum						1.0	7.81
Average						1	2.67
Count						5	5

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2017-03-01							
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07							
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26							
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30							
2017-03-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	232
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total Estimate	Total Estimate					
2017-03-01	AH	AH					
2017-03-02	AH	AH					
2017-03-03	AH	AH					
2017-03-04	AH	AH					
2017-03-05	AH	AH					
2017-03-06	AH	AH					
2017-03-07	AH	AH					
2017-03-08	AH	AH					
2017-03-09	AH	AH					
2017-03-10	AH	AH					
2017-03-11	AH	AH					
2017-03-12	AH	AH					
2017-03-13	AH	AH					
2017-03-14	AH	AH					
2017-03-15	AH	AH					
2017-03-16	AH	AH					
2017-03-17	AH	AH					
2017-03-18	AH	AH					
2017-03-19	AH	AH					
2017-03-20	AH	AH					
2017-03-21	AH	AH					
2017-03-22	AH	AH					
2017-03-23	AH	AH					
2017-03-24	AH	AH					
2017-03-25	AH	AH					
2017-03-26	AH	AH					
2017-03-27	AH	AH					
2017-03-28	AH	AH					
2017-03-29	AH	AH					
2017-03-30	AH	AH					
2017-03-31	AH	AH					
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2017-03-01						1	1.2089
2017-03-02							0.0101
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06						1	0.1706
2017-03-07							1.6939
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18						1	0.4683
2017-03-19							0.3599
2017-03-20						1	0.0007
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24						1	0.5447
2017-03-25							
2017-03-26						1	0.5251
2017-03-27							0.5502
2017-03-28							
2017-03-29							
2017-03-30						1	1.4455
2017-03-31							7.7956
Minimum						1.0	7.0E-4
Maximum						1.0	7.7956
Average						1	1.23113
Count						7	12

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2017-03-01							
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07							
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26							
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30							
2017-03-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	242
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-03-01	1	0.0191					
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07							
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26							
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30							
2017-03-31							
Minimum	1.0	0.0191					
Maximum	1.0	0.0191					
Average	1	0.0191					
Count	1	1					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660824	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	258
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-03-01							
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07							
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26							
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30							
2017-03-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Northeast Ohio Regional SD
LOCATION: 3826 Euclid Ave
Cleveland, OH 44115

PERMIT NUMBER: ***3PA00002*HD***
MONITORING PERIOD : **2017-03-01** To: **2017-03-31**

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
232	Overflow Occurrence per Year	51709	2017-03-01	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-02	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-03	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-04	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-05	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-06	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-07	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-08	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-09	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-10	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-11	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-12	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-13	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-14	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-15	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-16	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-17	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-18	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-19	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-20	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-21	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-22	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-23	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-24	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-25	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-26	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-27	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Occurrence per Year	51709	2017-03-28	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-29	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-30	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-03-31	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-01	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-02	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-03	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-04	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-05	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-06	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-07	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-08	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-09	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-10	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-11	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-12	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-13	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-14	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-15	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-16	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-17	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-18	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-19	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-20	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-21	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-22	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-23	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-24	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-25	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-26	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-27	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-28	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Volume	74063	2017-03-29	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-30	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-03-31	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	025
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-04-01							
2017-04-02							
2017-04-03							
2017-04-04							
2017-04-05							
2017-04-06							
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19							
2017-04-20							
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	035
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-04-01							
2017-04-02							
2017-04-03							
2017-04-04							
2017-04-05							
2017-04-06	1	0.0111					
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19	1	0.1758					
2017-04-20							
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum	1.0	0.0111					
Maximum	1.0	0.1758					
Average	1	0.09345					
Count	2	2					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	038
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-04-01							
2017-04-02							
2017-04-03							
2017-04-04							
2017-04-05							
2017-04-06							
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19							
2017-04-20							
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2017-04-01							
2017-04-02							
2017-04-03							1
2017-04-04							
2017-04-05							1
2017-04-06						172455	
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11						897500	1
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19							1
2017-04-20							
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							1
2017-04-29							
2017-04-30							
Minimum						172455.0	1.0
Maximum						897500.0	1.0
Average						534977.5	1
Count						2	5

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2017-04-01	1.4394						
2017-04-02							
2017-04-03	2.3884						
2017-04-04	1.1382						
2017-04-05	0.3299						
2017-04-06	8.8826						
2017-04-07	5.9749						
2017-04-08	1.9700						
2017-04-09							
2017-04-10							
2017-04-11	1.5441						
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19	4.9362						
2017-04-20	3.5991						
2017-04-21	0.5042						
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28	0.1997						
2017-04-29	0.5562						
2017-04-30							
Minimum	0.1997						
Maximum	8.8826						
Average	2.57407						
Count	13						

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	044
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-04-01							
2017-04-02							
2017-04-03							
2017-04-04							
2017-04-05							
2017-04-06							
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19	1	0.0309					
2017-04-20							
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum	1.0	0.0309					
Maximum	1.0	0.0309					
Average	1	0.0309					
Count	1	1					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	045
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-04-01							
2017-04-02							
2017-04-03							
2017-04-04							
2017-04-05							
2017-04-06							
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19	1	0.527					
2017-04-20							
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum	1.0	0.527					
Maximum	1.0	0.527					
Average	1	0.527					
Count	1	1					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	056
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-04-01							
2017-04-02							
2017-04-03	1	0.1478					
2017-04-04							
2017-04-05							
2017-04-06							
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19	1	0.6514					
2017-04-20	1	1.3062					
2017-04-21		0.1645					
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28	1	0.0692					
2017-04-29		0.1232					
2017-04-30							
Minimum	1.0	0.0692					
Maximum	1.0	1.3062					
Average	1	0.41038					
Count	4	6					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	058
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-04-01							
2017-04-02							
2017-04-03	1	2.2753					
2017-04-04		0.0387					
2017-04-05	1	0.5102					
2017-04-06		0.2782					
2017-04-07	1	8.1130					
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19	1	16.9675					
2017-04-20		2.8370					
2017-04-21		0.0174					
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum	1.0	0.0174					
Maximum	1.0	16.9675					
Average	1	3.87966					
Count	4	8					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	059
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-04-01							
2017-04-02							
2017-04-03							
2017-04-04							
2017-04-05							
2017-04-06							
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19	1	0.4042					
2017-04-20							
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum	1.0	0.4042					
Maximum	1.0	0.4042					
Average	1	0.4042					
Count	1	1					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	069
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-04-01							
2017-04-02							
2017-04-03							
2017-04-04							
2017-04-05							
2017-04-06							
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19							
2017-04-20							
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	072
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-04-01							
2017-04-02							
2017-04-03							
2017-04-04							
2017-04-05							
2017-04-06	1	0.0385					
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19	1	0.1238					
2017-04-20							
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum	1.0	0.0385					
Maximum	1.0	0.1238					
Average	1	0.08115					
Count	2	2					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2017-04-01							
2017-04-02							
2017-04-03							1
2017-04-04							
2017-04-05							1
2017-04-06						458930	1
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19							1
2017-04-20						457000	1
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum						457000.0	1.0
Maximum						458930.0	1.0
Average						457965	1
Count						2	5

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2017-04-01							
2017-04-02							
2017-04-03	0.4951						
2017-04-04							
2017-04-05	0.1392						
2017-04-06	0.0362						
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19	3.7000						
2017-04-20	2.6489						
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum	0.0362						
Maximum	3.7						
Average	1.40388						
Count	5						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	088
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-04-01							
2017-04-02							
2017-04-03	1	0.1414					
2017-04-04							
2017-04-05	1	0.0606					
2017-04-06	1	0.1515					
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19	1	0.5151					
2017-04-20	1	0.4646					
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum	1.0	0.0606					
Maximum	1.0	0.5151					
Average	1	0.26664					
Count	5	5					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2017-04-01							
2017-04-02							
2017-04-03							1
2017-04-04							
2017-04-05							1
2017-04-06							
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							1
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19							1
2017-04-20							1
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum							1.0
Maximum							1.0
Average							1
Count							5

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2017-04-01							
2017-04-02							
2017-04-03	1.1213						
2017-04-04	0.3081						
2017-04-05	0.7339						
2017-04-06	2.0885						
2017-04-07	0.2978						
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11	0.1606						
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19	0.2635						
2017-04-20	0.5160						
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum	0.1606						
Maximum	2.0885						
Average	0.68621						
Count	8						

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2017-04-01							
2017-04-02							
2017-04-03							1
2017-04-04							
2017-04-05							
2017-04-06							1
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19							1
2017-04-20							1
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum							1.0
Maximum							1.0
Average							1
Count							4

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2017-04-01							
2017-04-02							
2017-04-03	0.0086						
2017-04-04							
2017-04-05							
2017-04-06	0.0019						
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19	0.9275						
2017-04-20	0.3180						
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum	0.0019						
Maximum	0.9275						
Average	0.314						
Count	4						

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2017-04-01							
2017-04-02							
2017-04-03							1
2017-04-04							
2017-04-05							
2017-04-06							1
2017-04-07							1
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19							1
2017-04-20							1
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum							1.0
Maximum							1.0
Average							1
Count							5

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2017-04-01	0.0345						
2017-04-02							
2017-04-03	0.3395						
2017-04-04	1.1777						
2017-04-05							
2017-04-06	4.2160						
2017-04-07	10.5742						
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19	0.8828						
2017-04-20	1.1231						
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum	0.0345						
Maximum	10.5742						
Average	2.62111						
Count	7						

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	211
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-04-01		0.4480					
2017-04-02							
2017-04-03	1	0.1820					
2017-04-04		0.2380					
2017-04-05	1	0.0420					
2017-04-06		2.0860					
2017-04-07		1.7360					
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11	1	0.0560					
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19	1	1.5820					
2017-04-20		1.3300					
2017-04-21		0.2660					
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27	1	0.1960					
2017-04-28	1	0.0980					
2017-04-29		0.2380					
2017-04-30							
Minimum	1.0	0.042					
Maximum	1.0	2.086					
Average	1	0.65369					
Count	6	13					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2017-04-01							
2017-04-02							
2017-04-03							1
2017-04-04							
2017-04-05							1
2017-04-06							
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							1
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19							1
2017-04-20							1
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							1
2017-04-29							
2017-04-30							
Minimum							1.0
Maximum							1.0
Average							1
Count							6

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2017-04-01							
2017-04-02							
2017-04-03	1.62						
2017-04-04							
2017-04-05	4.31						
2017-04-06							
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11	0.61						
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19	5.33						
2017-04-20	4.76						
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28	0.65						
2017-04-29							
2017-04-30							
Minimum	0.61						
Maximum	5.33						
Average	2.88						
Count	6						

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	232
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total Estimate	Total Estimate					
2017-04-01	AH	AH					
2017-04-02	AH	AH					
2017-04-03	AH	AH					
2017-04-04	AH	AH					
2017-04-05	AH	AH					
2017-04-06	AH	AH					
2017-04-07	AH	AH					
2017-04-08	AH	AH					
2017-04-09	AH	AH					
2017-04-10	AH	AH					
2017-04-11	AH	AH					
2017-04-12	AH	AH					
2017-04-13	AH	AH					
2017-04-14	AH	AH					
2017-04-15	AH	AH					
2017-04-16	AH	AH					
2017-04-17	AH	AH					
2017-04-18	AH	AH					
2017-04-19	AH	AH					
2017-04-20	AH	AH					
2017-04-21	AH	AH					
2017-04-22	AH	AH					
2017-04-23	AH	AH					
2017-04-24	AH	AH					
2017-04-25	AH	AH					
2017-04-26	AH	AH					
2017-04-27	AH	AH					
2017-04-28	AH	AH					
2017-04-29	AH	AH					
2017-04-30	AH	AH					
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2017-04-01							
2017-04-02							
2017-04-03							1
2017-04-04							
2017-04-05							1
2017-04-06							
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19							1
2017-04-20							
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							AH
2017-04-27							AH
2017-04-28							1
2017-04-29							
2017-04-30							
Minimum							1.0
Maximum							1.0
Average							1
Count							4

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2017-04-01	1.0724						
2017-04-02							
2017-04-03	0.2072						
2017-04-04	0.8632						
2017-04-05	0.0217						
2017-04-06	2.3392						
2017-04-07	3.3379						
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19	2.2050						
2017-04-20	2.5039						
2017-04-21	2.0335						
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26	AH						
2017-04-27	AH						
2017-04-28	0.0077						
2017-04-29	0.0605						
2017-04-30							
Minimum	0.0077						
Maximum	3.3379						
Average	1.33202						
Count	11						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	242
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-04-01							
2017-04-02							
2017-04-03							
2017-04-04							
2017-04-05							
2017-04-06	1	0.6694					
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19	1	1.5710					
2017-04-20							
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum	1.0	0.6694					
Maximum	1.0	1.571					
Average	1	1.1202					
Count	2	2					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	668543	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	258
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-04-01							
2017-04-02							
2017-04-03							
2017-04-04							
2017-04-05							
2017-04-06							
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19							
2017-04-20							
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-19 12:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Northeast Ohio Regional SD
LOCATION: 3826 Euclid Ave
Cleveland, OH 44115

PERMIT NUMBER: ***3PA00002*HD***
MONITORING PERIOD : **2017-04-01** To: **2017-04-30**

GENERAL REPORT COMMENT:
For CSO-218, model data was used to estimate overflow occurrence and volume for the entire month of April 2017. A new meter was installed and operational as of May 1, 2017.

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
045	Overflow Volume	74063	2017-04-19	Million Gallons	Model data used to estimate volume for event. Flow calculation is under review.
232	Overflow Occurrence per Year	51709	2017-04-01	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-02	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-03	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-04	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-05	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-06	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-07	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-08	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-09	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-10	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-11	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-12	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-13	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-14	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-15	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-16	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-17	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-18	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow	51709	2017-	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed

	Occurrence per Year		04-19		from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-20	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-21	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-22	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-23	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-24	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-25	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-26	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-27	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-28	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-29	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-04-30	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-01	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-02	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-03	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-04	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-05	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-06	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-07	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-08	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-09	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-10	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-11	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-12	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-13	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-14	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-15	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-16	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Volume	74063	2017-04-17	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-18	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-19	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-20	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-21	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-22	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-23	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-24	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-25	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-26	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-27	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-28	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-29	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-04-30	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
239	Overflow Occurrence	74062	2017-04-26	No./Month	Due to construction activities for the Euclid Creek Tunnel project, the flow monitor was inadvertently removed from CSO-239 on 4/26/17. It was promptly reinstalled on 4/28/17. There was no rain recorded by any of the District's rain gauges on 4/26 and nominal rain recorded on 4/27 (0.05" @ S. Euclid's precip gauge).
239	Overflow Occurrence	74062	2017-04-27	No./Month	Due to construction activities for the Euclid Creek Tunnel project, the flow monitor was inadvertently removed from CSO-239 on 4/26/17. It was promptly reinstalled on 4/28/17. There was no rain recorded by any of the District's rain gauges on 4/26 and nominal rain recorded on 4/27 (0.05" @ S. Euclid's precip gauge).
239	Overflow Volume	74063	2017-04-26	Million Gallons	Due to construction activities for the Euclid Creek Tunnel project, the flow monitor was inadvertently removed from CSO-239 on 4/26/17. It was promptly reinstalled on 4/28/17. There was no rain recorded by any of the District's rain gauges on 4/26 and nominal rain recorded on 4/27 (0.05" @ S. Euclid's precip gauge).
239	Overflow Volume	74063	2017-04-27	Million Gallons	Due to construction activities for the Euclid Creek Tunnel project, the flow monitor was inadvertently removed from CSO-239 on 4/26/17. It was promptly reinstalled on 4/28/17. There was no rain recorded by any of the District's rain gauges on 4/26 and nominal rain recorded on 4/27 (0.05" @ S. Euclid's precip gauge).

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	025
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-05-01							
2017-05-02							
2017-05-03							
2017-05-04							
2017-05-05							
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21							
2017-05-22							
2017-05-23							
2017-05-24							
2017-05-25							
2017-05-26							
2017-05-27							
2017-05-28	1	0.1431					
2017-05-29							
2017-05-30							
2017-05-31							
Minimum	1.0	0.1431					
Maximum	1.0	0.1431					
Average	1	0.1431					
Count	1	1					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	035
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-05-01	1	0.0115					
2017-05-02							
2017-05-03							
2017-05-04							
2017-05-05							
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21							
2017-05-22							
2017-05-23							
2017-05-24							
2017-05-25	1	0.0364					
2017-05-26							
2017-05-27							
2017-05-28	1	0.2447					
2017-05-29							
2017-05-30							
2017-05-31							
Minimum	1.0	0.0115					
Maximum	1.0	0.2447					
Average	1	0.09753					
Count	3	3					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	038
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-05-01							
2017-05-02							
2017-05-03							
2017-05-04							
2017-05-05							
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21							
2017-05-22							
2017-05-23							
2017-05-24							
2017-05-25							
2017-05-26							
2017-05-27							
2017-05-28							
2017-05-29							
2017-05-30							
2017-05-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2017-05-01							1
2017-05-02							1
2017-05-03							
2017-05-04							1
2017-05-05							
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							1
2017-05-20							
2017-05-21							1
2017-05-22							
2017-05-23							
2017-05-24							1
2017-05-25							1
2017-05-26							
2017-05-27							
2017-05-28							1
2017-05-29							
2017-05-30							
2017-05-31							
Minimum							1.0
Maximum							1.0
Average							1
Count							8

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2017-05-01	4.2126						
2017-05-02	6.0583						
2017-05-03							
2017-05-04	0.7300						
2017-05-05	8.7678						
2017-05-06	11.8740						
2017-05-07	0.4114						
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19	0.3747						
2017-05-20							
2017-05-21	2.1054						
2017-05-22							
2017-05-23							
2017-05-24	0.2596						
2017-05-25	9.7069						
2017-05-26	0.8661						
2017-05-27							
2017-05-28	11.0701						
2017-05-29	0.9260						
2017-05-30							
2017-05-31							
Minimum	0.2596						
Maximum	11.874						
Average	4.41253						
Count	13						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	044
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-05-01							
2017-05-02							
2017-05-03							
2017-05-04							
2017-05-05							
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21							
2017-05-22							
2017-05-23							
2017-05-24							
2017-05-25							
2017-05-26							
2017-05-27							
2017-05-28							
2017-05-29							
2017-05-30							
2017-05-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	045
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-05-01							
2017-05-02							
2017-05-03							
2017-05-04							
2017-05-05							
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21							
2017-05-22							
2017-05-23							
2017-05-24							
2017-05-25							
2017-05-26							
2017-05-27							
2017-05-28	1	0.76					
2017-05-29							
2017-05-30							
2017-05-31							
Minimum	1.0	0.76					
Maximum	1.0	0.76					
Average	1	0.76					
Count	1	1					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	056
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-05-01	1	0.5771					
2017-05-02							
2017-05-03							
2017-05-04	1	0.6689					
2017-05-05		2.5175					
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21							
2017-05-22							
2017-05-23							
2017-05-24							
2017-05-25							
2017-05-26							
2017-05-27							
2017-05-28	1	2.3839					
2017-05-29		0.5418					
2017-05-30							
2017-05-31							
Minimum	1.0	0.5418					
Maximum	1.0	2.5175					
Average	1	1.33784					
Count	3	5					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	058
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-05-01	1	1.9244					
2017-05-02							
2017-05-03							
2017-05-04	1	1.5119					
2017-05-05	1	11.4910					
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21							
2017-05-22							
2017-05-23							
2017-05-24	1	3.1484					
2017-05-25	1	15.3747					
2017-05-26		0.1400					
2017-05-27							
2017-05-28	1	15.1851					
2017-05-29		2.8918					
2017-05-30							
2017-05-31							
Minimum	1.0	0.14					
Maximum	1.0	15.3747					
Average	1	6.45841					
Count	6	8					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	059
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-05-01							
2017-05-02							
2017-05-03							
2017-05-04							
2017-05-05							
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21							
2017-05-22							
2017-05-23							
2017-05-24							
2017-05-25							
2017-05-26							
2017-05-27							
2017-05-28	1	0.62803					
2017-05-29							
2017-05-30							
2017-05-31							
Minimum	1.0	0.62803					
Maximum	1.0	0.62803					
Average	1	0.62803					
Count	1	1					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	069
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-05-01							
2017-05-02							
2017-05-03							
2017-05-04							
2017-05-05							
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21							
2017-05-22							
2017-05-23							
2017-05-24							
2017-05-25							
2017-05-26							
2017-05-27							
2017-05-28							
2017-05-29							
2017-05-30							
2017-05-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	072
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-05-01	1	0.0507					
2017-05-02							
2017-05-03							
2017-05-04							
2017-05-05							
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21							
2017-05-22							
2017-05-23							
2017-05-24							
2017-05-25							
2017-05-26							
2017-05-27							
2017-05-28	1	0.1181					
2017-05-29							
2017-05-30							
2017-05-31							
Minimum	1.0	0.0507					
Maximum	1.0	0.1181					
Average	1	0.0844					
Count	2	2					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2017-05-01							1
2017-05-02							
2017-05-03							
2017-05-04							1
2017-05-05							1
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21							1
2017-05-22							
2017-05-23							
2017-05-24							1
2017-05-25							1
2017-05-26							
2017-05-27							
2017-05-28							1
2017-05-29							
2017-05-30							
2017-05-31							
Minimum							1.0
Maximum							1.0
Average							1
Count							7

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2017-05-01	0.7645						
2017-05-02							
2017-05-03							
2017-05-04	0.0548						
2017-05-05	0.0163						
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21	0.1154						
2017-05-22							
2017-05-23							
2017-05-24	0.5175						
2017-05-25	1.6065						
2017-05-26	0.0085						
2017-05-27							
2017-05-28	1.4384						
2017-05-29							
2017-05-30							
2017-05-31							
Minimum	0.0085						
Maximum	1.6065						
Average	0.56524						
Count	8						

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	088
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-05-01	1	0.1818					
2017-05-02							
2017-05-03							
2017-05-04							
2017-05-05							
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21	1	0.1212					
2017-05-22							
2017-05-23							
2017-05-24	1	1.1817					
2017-05-25	1	5.2318					
2017-05-26							
2017-05-27							
2017-05-28	1	3.0401					
2017-05-29							
2017-05-30							
2017-05-31							
Minimum	1.0	0.1212					
Maximum	1.0	5.2318					
Average	1	1.95132					
Count	5	5					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2017-05-01						115880	1
2017-05-02							
2017-05-03							
2017-05-04							
2017-05-05							
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							1
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							1
2017-05-20							
2017-05-21							1
2017-05-22							
2017-05-23							
2017-05-24							1
2017-05-25							1
2017-05-26							
2017-05-27							
2017-05-28							1
2017-05-29							
2017-05-30							
2017-05-31							
Minimum						115880.0	1.0
Maximum						115880.0	1.0
Average						115880	1
Count						1	7

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2017-05-01	0.0011						
2017-05-02							
2017-05-03							
2017-05-04							
2017-05-05							
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13	0.0006						
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19	0.0441						
2017-05-20							
2017-05-21	0.1953						
2017-05-22							
2017-05-23							
2017-05-24	2.1370						
2017-05-25	6.1013						
2017-05-26	0.2715						
2017-05-27							
2017-05-28	0.5135						
2017-05-29							
2017-05-30							
2017-05-31							
Minimum	6.0E-4						
Maximum	6.1013						
Average	1.15805						
Count	8						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2017-05-01							1
2017-05-02							
2017-05-03							
2017-05-04							
2017-05-05							
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21							
2017-05-22							
2017-05-23							
2017-05-24							1
2017-05-25							1
2017-05-26							
2017-05-27							
2017-05-28							1
2017-05-29							
2017-05-30							
2017-05-31							
Minimum							1.0
Maximum							1.0
Average							1
Count							4

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2017-05-01	0.0294						
2017-05-02							
2017-05-03							
2017-05-04							
2017-05-05							
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21							
2017-05-22							
2017-05-23							
2017-05-24	0.0052						
2017-05-25	0.0064						
2017-05-26							
2017-05-27							
2017-05-28	0.0219						
2017-05-29							
2017-05-30							
2017-05-31							
Minimum	0.0052						
Maximum	0.0294						
Average	0.01573						
Count	4						

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2017-05-01						567900	1
2017-05-02							
2017-05-03							
2017-05-04							1
2017-05-05							1
2017-05-06							1
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21							1
2017-05-22							
2017-05-23							
2017-05-24							
2017-05-25							1
2017-05-26							
2017-05-27							
2017-05-28							1
2017-05-29							
2017-05-30							
2017-05-31							
Minimum						567900.0	1.0
Maximum						567900.0	1.0
Average						567900	1
Count						1	7

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2017-05-01	1.7305						
2017-05-02							
2017-05-03							
2017-05-04	0.8173						
2017-05-05	4.6730						
2017-05-06	0.5427						
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21	1.2331						
2017-05-22							
2017-05-23							
2017-05-24							
2017-05-25	0.9221						
2017-05-26							
2017-05-27							
2017-05-28	1.1736						
2017-05-29	0.0885						
2017-05-30							
2017-05-31							
Minimum	0.0885						
Maximum	4.673						
Average	1.3976						
Count	8						

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	211
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-05-01	1	0.798					
2017-05-02							
2017-05-03							
2017-05-04	1	0.7					
2017-05-05		3.178					
2017-05-06		1.694					
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21	1	0.392					
2017-05-22							
2017-05-23							
2017-05-24	1	0.056					
2017-05-25	1	1.68					
2017-05-26		0.434					
2017-05-27							
2017-05-28	1	0.448					
2017-05-29		0.056					
2017-05-30							
2017-05-31	1	0.112					
Minimum	1.0	0.056					
Maximum	1.0	3.178					
Average	1	0.868					
Count	7	11					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2017-05-01							1
2017-05-02							
2017-05-03							
2017-05-04							1
2017-05-05							1
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21							1
2017-05-22							
2017-05-23							
2017-05-24							
2017-05-25							1
2017-05-26							
2017-05-27							
2017-05-28							1
2017-05-29							
2017-05-30							
2017-05-31							
Minimum							1.0
Maximum							1.0
Average							1
Count							6

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2017-05-01	0.231						
2017-05-02							
2017-05-03							
2017-05-04	0.068						
2017-05-05	0.067						
2017-05-06	0.175						
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21	0.193						
2017-05-22							
2017-05-23							
2017-05-24							
2017-05-25	0.461						
2017-05-26	0.035						
2017-05-27							
2017-05-28	0.156						
2017-05-29							
2017-05-30							
2017-05-31							
Minimum	0.035						
Maximum	0.461						
Average	0.17325						
Count	8						

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	232
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total Estimate	Total Estimate					
2017-05-01	AH	AH					
2017-05-02	AH	AH					
2017-05-03	AH	AH					
2017-05-04	AH	AH					
2017-05-05	AH	AH					
2017-05-06	AH	AH					
2017-05-07	AH	AH					
2017-05-08	AH	AH					
2017-05-09	AH	AH					
2017-05-10	AH	AH					
2017-05-11	AH	AH					
2017-05-12	AH	AH					
2017-05-13	AH	AH					
2017-05-14	AH	AH					
2017-05-15	AH	AH					
2017-05-16	AH	AH					
2017-05-17	AH	AH					
2017-05-18	AH	AH					
2017-05-19	AH	AH					
2017-05-20	AH	AH					
2017-05-21	AH	AH					
2017-05-22	AH	AH					
2017-05-23	AH	AH					
2017-05-24	AH	AH					
2017-05-25	AH	AH					
2017-05-26	AH	AH					
2017-05-27	AH	AH					
2017-05-28	AH	AH					
2017-05-29	AH	AH					
2017-05-30	AH	AH					
2017-05-31	AH	AH					
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2017-05-01							1
2017-05-02							
2017-05-03							
2017-05-04							1
2017-05-05							
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							1
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							1
2017-05-20							
2017-05-21							1
2017-05-22							
2017-05-23							
2017-05-24							1
2017-05-25						620000	1
2017-05-26							
2017-05-27							
2017-05-28							1
2017-05-29							
2017-05-30							
2017-05-31							
Minimum						620000.0	1.0
Maximum						620000.0	1.0
Average						620000	1
Count						1	8

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2017-05-01	1.0634						
2017-05-02	0.0238						
2017-05-03							
2017-05-04	0.2934						
2017-05-05	3.1304						
2017-05-06	3.1976						
2017-05-07	0.0013						
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11	0.0306						
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19	0.1163						
2017-05-20	0.0980						
2017-05-21	0.4924						
2017-05-22	0.0866						
2017-05-23							
2017-05-24	0.0001						
2017-05-25	2.7493						
2017-05-26	0.6014						
2017-05-27							
2017-05-28	0.7386						
2017-05-29	1.3368						
2017-05-30							
2017-05-31							
Minimum	1.0E-4						
Maximum	3.1976						
Average	0.8725						
Count	16						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	242
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-05-01							
2017-05-02							
2017-05-03							
2017-05-04							
2017-05-05							
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21							
2017-05-22							
2017-05-23							
2017-05-24							
2017-05-25							
2017-05-26							
2017-05-27							
2017-05-28							
2017-05-29							
2017-05-30							
2017-05-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	674797	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	258
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-05-01							
2017-05-02							
2017-05-03							
2017-05-04							
2017-05-05							
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21							
2017-05-22							
2017-05-23							
2017-05-24							
2017-05-25							
2017-05-26							
2017-05-27							
2017-05-28							
2017-05-29	1	5.6113					
2017-05-30							
2017-05-31							
Minimum	1.0	5.6113					
Maximum	1.0	5.6113					
Average	1	5.6113					
Count	1	1					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-15 18:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Northeast Ohio Regional SD
LOCATION: 3826 Euclid Ave
Cleveland, OH 44115

PERMIT NUMBER: ***3PA00002*HD***
MONITORING PERIOD : **2017-05-01** To: **2017-05-31**

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
045	Overflow Volume	74063	2017-05-28	Million Gallons	Model data used to estimate volume for event. Flow calculation is under review.
232	Overflow Occurrence per Year	51709	2017-05-01	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-02	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-03	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-04	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-05	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-06	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-07	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-08	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-09	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-10	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-11	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-12	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-13	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-14	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-15	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-16	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-17	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-18	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-19	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-20	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-21	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-22	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-23	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-24	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-25	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-26	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Occurrence per Year	51709	2017-05-27	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-28	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-29	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-30	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-05-31	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-01	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-02	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-03	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-04	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-05	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-06	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-07	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-08	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-09	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-10	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-11	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-12	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-13	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-14	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-15	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-16	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-17	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-18	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-19	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-20	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-21	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-22	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-23	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-24	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-25	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-26	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-27	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Volume	74063	2017-05-28	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-29	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-30	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-05-31	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	025
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18							
2017-06-19							
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23	1	0.0008					
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29							
2017-06-30	1	0.1057					
Minimum	1.0	8.0E-4					
Maximum	1.0	0.1057					
Average	1	0.05325					
Count	2	2					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	035
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18	1	0.0806					
2017-06-19							
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23	1	0.2231					
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29	1	0.0037					
2017-06-30	1	0.5776					
Minimum	1.0	0.0037					
Maximum	1.0	0.5776					
Average	1	0.22125					
Count	4	4					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	038
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18							
2017-06-19							
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23							
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29							
2017-06-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							1
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							1
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18							1
2017-06-19							1
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23							1
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29							1
2017-06-30							1
Minimum							1.0
Maximum							1.0
Average							1
Count							7

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04	0.0086						
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14	0.1218						
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18	4.612						
2017-06-19	0.2999						
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23	13.2001						
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29	0.1889						
2017-06-30	18.8645						
Minimum	0.0086						
Maximum	18.8645						
Average	5.32797						
Count	7						

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	044
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18							
2017-06-19							
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23							
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29							
2017-06-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	045
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18	1	0.3					
2017-06-19							
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23	1	0.91					
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29							
2017-06-30	1	9.11					
Minimum	1.0	0.3					
Maximum	1.0	9.11					
Average	1	3.44					
Count	3	3					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	056
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14	1	0.0214					
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18	1	0.63					
2017-06-19							
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23	1	2.4625					
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29	1	0.0955					
2017-06-30	1	4.2436					
Minimum	1.0	0.0214					
Maximum	1.0	4.2436					
Average	1	1.4906					
Count	5	5					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	058
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18	1	4.0116					
2017-06-19							
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23	1	13.372					
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29	1	2.6295					
2017-06-30	1	43.6236					
Minimum	1.0	2.6295					
Maximum	1.0	43.6236					
Average	1	15.90918					
Count	4	4					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	059
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18	1	0.2166					
2017-06-19							
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23	1	0.5653					
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29							
2017-06-30	1	2.3387					
Minimum	1.0	0.2166					
Maximum	1.0	2.3387					
Average	1	1.0402					
Count	3	3					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	069
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18							
2017-06-19							
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23							
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29							
2017-06-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	072
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18	1	0.0622					
2017-06-19							
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23	1	0.0486					
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29							
2017-06-30	1	0.8224					
Minimum	1.0	0.0486					
Maximum	1.0	0.8224					
Average	1	0.31107					
Count	3	3					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18							1
2017-06-19							
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23							1
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29							
2017-06-30							1
Minimum							1.0
Maximum							1.0
Average							1
Count							3

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18	0.8888						
2017-06-19							
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23	2.4225						
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29							
2017-06-30	3.8042						
Minimum	0.8888						
Maximum	3.8042						
Average	2.37183						
Count	3						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	088
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18	1	0.8535					
2017-06-19							
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23	1	3.6532					
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29	1	1.8231					
2017-06-30	1	0.5363					
Minimum	1.0	0.5363					
Maximum	1.0	3.6532					
Average	1	1.71652					
Count	4	4					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							1
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							1
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18							1
2017-06-19							
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23						89040	1
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29							
2017-06-30							1
Minimum						89040.0	1.0
Maximum						89040.0	1.0
Average						89040	1
Count						1	5

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04	0.0118						
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14	0.0286						
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18	0.0147						
2017-06-19							
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23	4.9088						
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29							
2017-06-30	0.1625						
Minimum	0.0118						
Maximum	4.9088						
Average	1.02528						
Count	5						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	MARK CITRIGLIA
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18							1
2017-06-19							1
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23						155180	1
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29							
2017-06-30							1
Minimum						155180.0	1.0
Maximum						155180.0	1.0
Average						155180	1
Count						1	4

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	MARK CITRIGLIA
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18	0.1268						
2017-06-19	0.0061						
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23	0.1507						
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29							
2017-06-30	0.161						
Minimum	0.0061						
Maximum	0.161						
Average	0.11115						
Count	4						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18							1
2017-06-19							1
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23							1
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							1
2017-06-28							
2017-06-29							
2017-06-30							1
Minimum							1.0
Maximum							1.0
Average							1
Count							5

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18	0.8228						
2017-06-19	0.7055						
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23	1.814						
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27	0.7843						
2017-06-28							
2017-06-29							
2017-06-30	2.9241						
Minimum	0.7055						
Maximum	2.9241						
Average	1.41014						
Count	5						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	211
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04	1	0.0280					
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14	1	0.1260					
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18	1	0.3920					
2017-06-19	1	0.2940					
2017-06-20	1	0.1820					
2017-06-21		0.0980					
2017-06-22	1	0.0140					
2017-06-23	1	1.0500					
2017-06-24							
2017-06-25	1	0.0560					
2017-06-26		0.0280					
2017-06-27	1	0.2520					
2017-06-28							
2017-06-29							
2017-06-30	1	1.2040					
Minimum	1.0	0.014					
Maximum	1.0	1.204					
Average	1	0.31033					
Count	10	12					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18							1
2017-06-19							1
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23	84.5	0.935	2.627	0.533	0.426	118145	1
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29							
2017-06-30							1
Minimum	84.5	0.935	2.627	0.533	0.426	118145.0	1.0
Maximum	84.5	0.935	2.627	0.533	0.426	118145.0	1.0
Average	84.5	0.935	2.627	0.533	0.426	118145	1
Count	1	1	1	1	1	1	4

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18	0.1593						
2017-06-19	0.0085						
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23	0.6154	16.3					
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29							
2017-06-30	0.6313						
Minimum	0.0085	16.3					
Maximum	0.6313	16.3					
Average	0.35362	16.3					
Count	4	1					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	232
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total Estimate	Total Estimate					
2017-06-01	AH	AH					
2017-06-02	AH	AH					
2017-06-03	AH	AH					
2017-06-04	AH	AH					
2017-06-05	AH	AH					
2017-06-06	AH	AH					
2017-06-07	AH	AH					
2017-06-08	AH	AH					
2017-06-09	AH	AH					
2017-06-10	AH	AH					
2017-06-11	AH	AH					
2017-06-12	AH	AH					
2017-06-13	AH	AH					
2017-06-14	AH	AH					
2017-06-15	AH	AH					
2017-06-16	AH	AH					
2017-06-17	AH	AH					
2017-06-18	AH	AH					
2017-06-19	AH	AH					
2017-06-20	AH	AH					
2017-06-21	AH	AH					
2017-06-22	AH	AH					
2017-06-23	AH	AH					
2017-06-24	AH	AH					
2017-06-25	AH	AH					
2017-06-26	AH	AH					
2017-06-27	AH	AH					
2017-06-28	AH	AH					
2017-06-29	AH	AH					
2017-06-30	AH	AH					
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							1
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18							1
2017-06-19							1
2017-06-20							1
2017-06-21							
2017-06-22							
2017-06-23							1
2017-06-24							
2017-06-25							
2017-06-26							1
2017-06-27							1
2017-06-28							
2017-06-29							1
2017-06-30							
Minimum							1.0
Maximum							1.0
Average							1
Count							8

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14	0.0042						
2017-06-15	0.135						
2017-06-16							
2017-06-17							
2017-06-18	0.2711						
2017-06-19	0.1649						
2017-06-20	0.0484						
2017-06-21	0.0551						
2017-06-22							
2017-06-23	0.959						
2017-06-24							
2017-06-25							
2017-06-26	0.0816						
2017-06-27	0.1634						
2017-06-28							
2017-06-29	0.0279						
2017-06-30	3.9756						
Minimum	0.0042						
Maximum	3.9756						
Average	0.53511						
Count	11						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	242
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18							
2017-06-19							
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23	1	0.0555					
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29							
2017-06-30							
Minimum	1.0	0.0555					
Maximum	1.0	0.0555					
Average	1	0.0555					
Count	1	1					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683265	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	258
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18							
2017-06-19							
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23							
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29							
2017-06-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Northeast Ohio Regional SD
LOCATION: 3826 Euclid Ave
Cleveland, OH 44115

PERMIT NUMBER: ***3PA00002*HD***
MONITORING PERIOD : **2017-06-01** To: **2017-06-30**

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
232	Overflow Occurrence per Year	51709	2017-06-01	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-02	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-03	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-04	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-05	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-06	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-07	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-08	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-09	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-10	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-11	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-12	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-13	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-14	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-15	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-16	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-17	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-18	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-19	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-20	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-21	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-22	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-23	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-24	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-25	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-26	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-27	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Occurrence per Year	51709	2017-06-28	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-29	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2017-06-30	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-01	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-02	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-03	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-04	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-05	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-06	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-07	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-08	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-09	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-10	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-11	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-12	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-13	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-14	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-15	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-16	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-17	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-18	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-19	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-20	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-21	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-22	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-23	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-24	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-25	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-26	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-27	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-28	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2017-06-29	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Volume	74063	2017-06-30	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

Dry Weather Overflow and Upset Reports

First Half of 2017

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Greg Mitchell

Date: 1/4/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Notification
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure: BC-29 4142 W 36TH ST NORTH OF KRATHER RD

Date Found: 1/4/2017 **TIME FOUND:** 1:30 PM **CSO:** CSO-050

Receiving Water: BIG CREEK

Estimated Discharge (Gallons): 9,715

Cause: Grit/Leaves

Proposed Remedial Action: Jet rod and vacuum sewer.

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information: N/A

Date Corrected: 1/4/2017 **Time Corrected:** 2:30 PM

Duration of Discharge (Hrs): 1.00

Corrective Action: Jet rodded and vacuumed.

Work Order #: 1635798-02

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Greg Mitchell

Date: 1/4/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Notification
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure: E-36 GORDON PARK AND E 73RD ST NORTH OF RR TRACKS

Date Found: 1/4/2017 **TIME FOUND:** 9:30 AM **CSO:** CSO-204

Receiving Water: LAKE ERIE

Estimated Discharge (Gallons): 1,800

Cause: Grit/Leaves

Proposed Remedial Action: Jet rod and vacuum sewer.

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information: N/A

Date Corrected: 1/4/2017 **Time Corrected:** 11:00 AM

Duration of Discharge (Hrs): 1.50

Corrective Action: Jet rodded and vacuumed

Work Order #: 1635726-02

The Northeast Ohio Regional Sewer District's mission is to provide progressive sewage and stormwater management through innovation, fiscal responsibility and community partnerships.

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael Zapior

Date: 1/7/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Notification
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure: BC-52 3591 W 134 ST SOUTH OF LORAIN

Date Found: 1/7/2017 **TIME FOUND:** 12:40 PM **CSO:** CSO-058

Receiving Water: BIG CREEK

Estimated Discharge (Gallons): 150

Cause: Grit/Leaves

Proposed Remedial Action: Jet rod and vacuum sewer.

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information: A notification from a level monitor at the site was received at 1:30 pm and a crew arrived on site around 3:00 pm. The site was not overflowing when the crew arrived; however, crews performed the corrective action. The overflow duration is based on information from the level monitor.

Date Corrected: 1/7/2017 **Time Corrected:** 12:50 PM

Duration of Discharge (Hrs): 0.20

Corrective Action: Jet rodded and vacuumed

Work Order #: 1636233-02

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Curtis Brown

Date: 1/19/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Notification
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure: WR-29 NORTH END OF W 12TH ST NORTH OF MENTOR AVE

Date Found: 1/18/2017 **TIME FOUND:** 11:15 AM **CSO:** CSO-087

Receiving Water: CUYAHOGA RIVER

Estimated Discharge (Gallons): 4,395

Cause: Grit/Leaves

Proposed Remedial Action: Jet rod and vacuum

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information:

Date Corrected: 1/18/2017 **Time Corrected:** 11:30 AM

Duration of Discharge (Hrs): 0.25

Corrective Action: Jet rodded and vacuumed

Work Order #: 1701588-01

The Northeast Ohio Regional Sewer District's mission is to provide progressive sewage and stormwater management through innovation, fiscal responsibility and community partnerships.

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 2/2/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure D-87 STANWOOD AVE AT OAKHILL AVE

Date Found: 2/2/2017 **Time Found:** 7:45 AM **CSO:** CSO-211

Receiving Water: NINE MILE CREEK

Approximate Discharge (Gallons): Approx. 8,000

Description of Problem: Contractor placed concrete in sewer.

Community with Maintenance Responsibility: NEORSD

Contact Person: Matthew Bennett, Triad/McNally JV (216) 314-4969

Additional Information: Subcontractor (Fabrizi Trucking & Paving), working for Triad/McNally JV under the NEORSD East 140th Street Consolidation and Relief Sewer project, placed concrete in the dry weather outlet of regulator D-87 around 5 PM on 2/1/17 diverting dry weather flows to Nine Mile Creek. At 7:45 AM on 2/2/17, a construction supervisor discovered the issue and it was resolved shortly after.

Date Corrected: 2/2/2017 **Time Corrected:** 8:00 AM

Duration Of Discharge: Approx. 15 hours

Work Order Number: 1702931-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Donald Hamilton

Date: 3/22/2017

****REVISED COPY****

Northeast Ohio Regional Sewer District
Dry Weather Overflow Notification
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure: E-44 ANSEL RD AT E 93RD ST AND SUPERIOR AVE

Date Found: 3/15/2017 **TIME FOUND:** 1:40 PM **CSO:** CSO-219

Receiving Water: DOAN BROOK

Estimated Discharge (Gallons): 24,800

Cause: Downstream blockage - broken manhole cover and grit.

Proposed Remedial Action: Jet rod and vacuum

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information: On 3/15/17, maintenance activities were completed at 1:30 pm and crews reported that the site was not overflowing. At 12:10 am on 3/16/17, an alert was received from a level monitor at the site and a crew arrived at 2:00 am to confirm an overflow. Upon further investigation, there was a 12-hour site reporting delay from the monitor and once the site data populated our database, it was estimated that the overflow started at 1:40 pm on 3/15/17. Going forward, the reporting delay will be corrected to real-time reporting.

Date Corrected: 3/16/2017 **Time Corrected:** 3:00 AM

Duration of Discharge (Hrs): 13.33

Corrective Action: Jet rodded and vacuumed

Work Order #: 1706724-01

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Curtis Brown

Date: 3/20/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Notification
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure: MC-65 E 77TH ST SOUTH OF DORVER

Date Found: 3/20/2017 **TIME FOUND:** 12:30 PM **CSO:** CSO-017

Receiving Water: MILL CREEK

Estimated Discharge (Gallons): 715

Cause: Grit/Leaves

Proposed Remedial Action: Jet rod and vacuum

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information:

Date Corrected: 3/20/2017 **Time Corrected:** 1:15 PM

Duration of Discharge (Hrs): 0.75

Corrective Action: Jet rodded and vacuumed

Work Order #: 1707026-01

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Curtis Brown

Date: 3/22/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Notification
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure: BC-52 3591 W 134 ST SOUTH OF LORAIN

Date Found: 3/21/2017 **TIME FOUND:** 8:40 PM **CSO:** CSO-058

Receiving Water: BIG CREEK

Estimated Discharge (Gallons): 55,442

Cause: Grit/Leaves

Proposed Remedial Action: Jet rod and vacuum

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information: The overflow duration is based on information from the level monitor on site. Flow Monitoring Technicians identified this as a potential overflow while reviewing site data at 8:00 am this morning. Crews verfied the overflow at 8:25 am and corrected the issue. Currently, we are investigating why we didn't receive any alerts and going forwad, we will correct this issue.

Date Corrected: 3/22/2017 **Time Corrected:** 8:45 AM

Duration of Discharge (Hrs): 12.08

Corrective Action: Jet rodded and vacuumed

Work Order #: 1707228-01

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Greg Mitchell

Date: 4/12/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Notification
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure: D-37 PRIMROSE AVE AND LINN DR

Date Found: 4/12/2017 **TIME FOUND:** 11:30 AM **CSO:** CSO-230

Receiving Water: DUGWAY BROOK

Estimated Discharge (Gallons): 4,000

Cause: Grit/Leaves

Proposed Remedial Action: Jet rod and vacuum

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information:

Date Corrected: 4/12/2017 **Time Corrected:** 12:00 PM

Duration of Discharge (Hrs): 0.50

Corrective Action: Jet rodded and vacuumed

Work Order #: 1709068-02

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Don Hamilton, Jr.

Date: 4/19/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Notification
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure: E-09 E 30TH ST SOUTH OF SAINT CLAIR AVE NE

Date Found: 4/19/2017 **TIME FOUND:** 9:45 AM **CSO:** CSO-097

Receiving Water: LAKE ERIE

Estimated Discharge (Gallons): 13,950

Cause: Grease

Proposed Remedial Action: Jet rod and vacuum

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information:

Date Corrected: 4/19/2017 **Time Corrected:** 11:15 AM

Duration of Discharge (Hrs): 1.50

Corrective Action: Jet rodded and vacuumed

Work Order #: 1706462-02

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Greg Mitchell

Date: 4/3/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Notification
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure: MC-65 E 77TH ST SOUTH OF DORVER

Date Found: 4/3/2017 **TIME FOUND:** 9:20 AM **CSO:** CSO-017

Receiving Water: MILL CREEK

Estimated Discharge (Gallons): 715

Cause: Grit/Leaves

Proposed Remedial Action: Jet rod and vacuum

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information:

Date Corrected: 4/3/2017 **Time Corrected:** 10:20 AM

Duration of Discharge (Hrs): 1.00

Corrective Action: Jet rodded and vacuumed

Work Order #: 1708385-02

The Northeast Ohio Regional Sewer District's mission is to provide progressive sewage and stormwater management through innovation, fiscal responsibility and community partnerships.

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Greg Mitchell

Date: 5/15/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Notification
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure: D-43 E 114TH ST SOUTH OF PRIMROSE AVE SOUTH OF D-42

Date Found: 5/15/2017 **TIME FOUND:** 12:30 PM **CSO:** CSO-230

Receiving Water: DUGWAY BROOK

Estimated Discharge (Gallons): 715

Cause: Grit/Leaves

Proposed Remedial Action: Jet rod and vacuum

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information:

Date Corrected: 5/15/2017 **Time Corrected:** 1:30 PM

Duration of Discharge (Hrs): 1.00

Corrective Action: Jet rodded and vacuumed

Work Order #: 1707513-02

The Northeast Ohio Regional Sewer District's mission is to provide progressive sewage and stormwater management through innovation, fiscal responsibility and community partnerships.

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

******REVISED COPY******

Date: 6/20/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Notification
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure: E-25 CANAL RD EAST OF W 3RD ST

Date Found: 5/19/2017 **TIME FOUND:** 2:15 PM **CSO:** CSO-235

Receiving Water: CUYAHOGA RIVER

Estimated Discharge (Gallons): Approx. 4,349,880

Cause: Grit slurry that solidified in dry weather outlet pipe

Proposed Remedial Action: Jet rod and vacuum

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information: Data from a portable flow monitor upstream of the regulating structure confirmed that this structure was blocked since 4/7/17 at 3:00 AM. Post investigation suggests various amounts of debris and materials were introduced in to the 54" sewer upstream of E-25 causing the blockage and overflow to CSO-235.

Date Corrected: 5/19/2017 **Time Corrected:** 5:15 PM

Duration of Discharge (Hrs): Approx. 794

Corrective Action: Jet rodded and vacuumed

Work Order #: 1712967-01

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Donald Hamilton

Date: 7/10/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[ ] **Five-Day Status Report**

Structure D-37 PRIMROSE AVE AT LINN DR

Date Found: 7/10/2017 **Time Found:** 9:00 AM **CSO:** CSO-230

Receiving Water: DUGWAY BROOK

Approximate Discharge (Gallons): Approx. 20 GPM

Description of Problem: Water main break along Primrose Avenue, just west of Linn Drive. City of Cleveland water is causing the overflow.

Community with Maintenance Responsibility: Cleveland Division of Water

Contact Person: City of Cleveland Division of Water (216) 664-3060

Additional Information: City of Cleveland Division of Water is currently addressing the water main break. Data from a poratable flow monitor at regulator D-37 suggests that the watermain break occurred around 10:00 PM on 7/8/2017; however, the site didn't start overflowing until 3:00 AM on 7/10/2017.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1717695-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Donald Hamilton

Date: 7/10/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[ ] **Five-Day Status Report**

Structure D-38 PRIMROSE AVE WEST OF LINN DR

Date Found: 7/10/2017 **Time Found:** 9:10 AM **CSO:** CSO-230

Receiving Water: DUGWAY BROOK

Approximate Discharge (Gallons): Approx. 70 GPM

Description of Problem: Water main break along Primrose Avenue, just west of Linn Drive. City of Cleveland water is causing the overflow.

Community with Maintenance Responsibility: Cleveland Division of Water

Contact Person: City of Cleveland Division of Water (216) 664-3060

Additional Information: City of Cleveland Division of Water is currently addressing the water main break. Data from a poratable flow monitor at regulator D-37 suggests that the watermain break occurred around 10:00 PM on 7/8/2017.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1717695-02

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 7/11/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Notification
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[ ] **Five-Day Status Report**

Structure: SAPS 1100 West Superior Ave. (Superior Ave. Pump Station)

Date Found: 7/10/2017 **TIME FOUND:** 8:30 AM **CSO:** CSO-SAPS

Receiving Water: Cuyahoga River

Estimated Discharge (Gallons): Approx. 1000

Cause: Contractor hit the exisitng 20" force main at the temporary pump station while Superior Ave. Pump Station is under construction.

Proposed Remedial Action: Initiate bypass pumping plan and repair existing force main.

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information: The Superior Ave. Pump Station is being constructed as part of a NEORSD capital improvement project (Superior Stones Levee Canal CSO). The contactor for this project is Independence Excavating (Brandon Meyer - 216-244-0955). When the contractor hit the force main, a 4" hole was created allowing sewage to discharge to the future wet weather pump station excavation pit. Only a small amount of flow continued over land to the river.

Date Corrected: 7/10/2017 **Time Corrected:** 1:30 PM

Duration of Discharge (Hrs): Approx. 0.25

Corrective Action: Currently, contactor is using a bypass pumping system to discharge flows to NEORSD Flats East Bank Pump Station. The contractor is schedule to repair the force main on 7/11/17.

Work Order #: 1635619-01

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 7/12/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Notification
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure: SAPS 1100 West Superior Ave. (Superior Ave. Pump Station)

Date Found: 7/10/2017 **TIME FOUND:** 8:30 AM **CSO:** CSO-SAPS

Receiving Water: Cuyahoga River

Estimated Discharge (Gallons): Approx. 1000

Cause: Contractor hit the exisitng 20" force main at the temporary pump station while Superior Ave. Pump Station is under construction.

Proposed Remedial Action: Initiate bypass pumping plan and repair existing force main.

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information: The Superior Ave. Pump Station is being constructed as part of a NEORSD capital improvement project (Superior Stones Levee Canal CSO). The contactor for this project is Independence Excavating (Brandon Meyer - 216-244-0955). When the contractor hit the force main, a 4" hole was created allowing sewage to discharge to the future wet weather pump station excavation pit. Only a small amount of flow continued over land to the river.

Date Corrected: 7/10/2017 **Time Corrected:** 1:30 PM

Duration of Discharge (Hrs): Approx. 0.25

Corrective Action: Contractor repaired the force main on 7/11/2017 and the temporary pump station was back in service at 11:00 am. Contractor also pumped out the sewage from the future wet weather pump station excavation pit back into the exisitng temporary pump station wet well.

Work Order #: 1635619-01

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Donald Hamilton

Date: 7/12/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure D-37 PRIMROSE AVE AT LINN DR

Date Found: 7/10/2017 **Time Found:** 9:00 AM **CSO:** CSO-230

Receiving Water: DUGWAY BROOK

Approximate Discharge (Gallons): Approx. 56,400

Description of Problem: City of Cleveland water main break along Primrose Avenue, just west of Linn Drive, causing an overflow.

Community with Maintenance Responsibility: Cleveland Division of Water

Contact Person: City of Cleveland Division of Water (216) 664-3060

Additional Information: City of Cleveland Division of Water is currently addressing the water main break. Data from a poratable flow monitor at regulator D-37 identifies that the watermain break occurred around 10:00 PM on 7/8/2017; however, the site didn't start overflowing until 3:00 AM on 7/10/2017. The watermain break ceased around 2:00 PM on 7/11/2017.

Date Corrected: 7/11/2017 **Time Corrected:** 2:00 PM

Duration Of Discharge: Approx. 47 hrs.

Work Order Number: 1717695-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Donald Hamilton

Date: 7/12/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure D-38 PRIMROSE AVE WEST OF LINN DR

Date Found: 7/10/2017 **Time Found:** 9:10 AM **CSO:** CSO-230

Receiving Water: DUGWAY BROOK

Approximate Discharge (Gallons): Approx. 197,400

Description of Problem: City of Cleveland water main break along Primrose Avenue, just west of Linn Drive, causing an overflow.

Community with Maintenance Responsibility: Cleveland Division of Water

Contact Person: City of Cleveland Division of Water (216) 664-3060

Additional Information: City of Cleveland Division of Water is currently addressing the water main break. Data from a poratable flow monitor at regulator D-37 identifies that the watermain break occurred around 10:00 PM on 7/8/2017. The watermain break ceased around 2:00 PM on 7/11/2017.

Date Corrected: 7/11/2017 **Time Corrected:** 2:00 PM

Duration Of Discharge: Approx. 47 hrs.

Work Order Number: 1717695-02

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 7/18/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure BC-64 ALEXCO AVE AT LEROY AVE 221 FEET EAST OF MANHOLE IN FIELD

Date Found: 7/17/2017 **Time Found:** 3:20 PM **CSO:** CSO-058

Receiving Water: Big Creek

Approximate Discharge (Gallons): 168,330

Description of Problem: Contractor's temporary by-pass waterline discharging to the enviroment overwhelming the the collection system resulting in a dry weather overflow.

Community with Maintenance Responsibility: NEORSD

Contact Person: City of Cleveland Water (216) 664-3060

Additional Information: A notification from a level monitor at the site was received at 4:30 pm and a crew arrived on site around 5:30 pm. The site was overflowing when the crew arrived due to a by-pass waterline discharging to the environment. The overflow duration is based on information from the level monitor.

Date Corrected: 7/17/2017 **Time Corrected:** 7:10 PM

Duration Of Discharge: 3.83 hrs.

Work Order Number: 1718206-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 7/17/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Notification
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure: E-27 W 11TH ST AT SUPERIOR AVE NORTH OF PUMP STATION

Date Found: 7/17/2017 **TIME FOUND:** 10:50 AM **CSO:** CSO-090

Receiving Water: CUYAHOGA RIVER

Estimated Discharge (Gallons): 2,851

Cause: Grit/Leaves

Proposed Remedial Action: Jet rod and vacuum

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information: A notification from a level monitor at the site was received at 11:48 am and a crew arrived on site around 12:30 pm. The site was not overflowing when the crew arrived; however, crews performed the corrective action. The overflow duration is based on information from the level monitor.

Date Corrected: 7/17/2017 **Time Corrected:** 11:45 AM

Duration of Discharge (Hrs): 0.92

Corrective Action: Jet rodded and vacuumed

Work Order #: 1718167-01

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 4/30/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 4/19/17: Cleveland Water Pollution Control has informed NEORSD that they have procured a contractor (Perk Company) for their Henninger Road project that will address the sagging sewer line. This sagging sewer line is downstream of the original issue causing sanitary to backup into the storm system.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 5/5/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 4/19/17: Cleveland Water Pollution Control has informed NEORSD that they have procured a contractor (Perk Company) for their Henninger Road project that will address the sagging sewer line. This sagging sewer line is downstream of the original issue causing sanitary to backup into the storm system.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 5/10/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 4/19/17: Cleveland Water Pollution Control has informed NEORSD that they have procured a contractor (Perk Company) for their Henninger Road project that will address the sagging sewer line. This sagging sewer line is downstream of the original issue causing sanitary to backup into the storm system.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 5/15/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 4/19/17: Cleveland Water Pollution Control has informed NEORSD that they have procured a contractor (Perk Company) for their Henninger Road project that will address the sagging sewer line. This sagging sewer line is downstream of the original issue causing sanitary to backup into the storm system.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 5/20/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 4/19/17: Cleveland Water Pollution Control has informed NEORSD that they have procured a contractor (Perk Company) for their Henninger Road project that will address the sagging sewer line. This sagging sewer line is downstream of the original issue causing sanitary to backup into the storm system.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 5/25/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 4/19/17: Cleveland Water Pollution Control has informed NEORSD that they have procured a contractor (Perk Company) for their Henninger Road project that will address the sagging sewer line. This sagging sewer line is downstream of the original issue causing sanitary to backup into the storm system.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 5/30/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 4/19/17: Cleveland Water Pollution Control has informed NEORSD that they have procured a contractor (Perk Company) for their Henninger Road project that will address the sagging sewer line. This sagging sewer line is downstream of the original issue causing sanitary to backup into the storm system.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 6/4/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 4/19/17: Cleveland Water Pollution Control has informed NEORSD that they have procured a contractor (Perk Company) for their Henninger Road project that will address the sagging sewer line. This sagging sewer line is downstream of the original issue causing sanitary to backup into the storm system.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 6/9/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 4/19/17: Cleveland Water Pollution Control has informed NEORSD that they have procured a contractor (Perk Company) for their Henninger Road project that will address the sagging sewer line. This sagging sewer line is downstream of the original issue causing sanitary to backup into the storm system.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 6/14/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 4/19/17: Cleveland Water Pollution Control has informed NEORSD that they have procured a contractor (Perk Company) for their Henninger Road project that will address the sagging sewer line. This sagging sewer line is downstream of the original issue causing sanitary to backup into the storm system.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 6/19/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 4/19/17: Cleveland Water Pollution Control has informed NEORSD that they have procured a contractor (Perk Company) for their Henninger Road project that will address the sagging sewer line. This sagging sewer line is downstream of the original issue causing sanitary to backup into the storm system.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 6/24/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 4/19/17: Cleveland Water Pollution Control has informed NEORSD that they have procured a contractor (Perk Company) for their Henninger Road project that will address the sagging sewer line. This sagging sewer line is downstream of the original issue causing sanitary to backup into the storm system.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 6/29/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 4/19/17: Cleveland Water Pollution Control has informed NEORSD that they have procured a contractor (Perk Company) for their Henninger Road project that will address the sagging sewer line. This sagging sewer line is downstream of the original issue causing sanitary to backup into the storm system.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 1/5/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 8/16/16**:** Cleveland Water Pollution Control is still finalizing plans to address this issue with their contractor.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 1/10/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 8/16/16**:** Cleveland Water Pollution Control is still finalizing plans to address this issue with their contractor.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 1/15/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 8/16/16**:** Cleveland Water Pollution Control is still finalizing plans to address this issue with their contractor.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 1/20/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 1/17/17: Cleveland Water Pollution Control has discovered a sagging sewer line downstream of this issue causing sanitary to backup into the storm system. Currently, Cleveland Water Pollution Control is in the early phases of designing a permanent solution to resolve this issue.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 1/25/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 1/17/17: Cleveland Water Pollution Control has discovered a sagging sewer line downstream of this issue causing sanitary to backup into the storm system. Currently, Cleveland Water Pollution Control is in the early phases of designing a permanent solution to resolve this issue.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 1/30/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 1/17/17: Cleveland Water Pollution Control has discovered a sagging sewer line downstream of this issue causing sanitary to backup into the storm system. Currently, Cleveland Water Pollution Control is in the early phases of designing a permanent solution to resolve this issue.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 2/4/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 1/17/17: Cleveland Water Pollution Control has discovered a sagging sewer line downstream of this issue causing sanitary to backup into the storm system. Currently, Cleveland Water Pollution Control is in the early phases of designing a permanent solution to resolve this issue.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 2/9/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 1/17/17: Cleveland Water Pollution Control has discovered a sagging sewer line downstream of this issue causing sanitary to backup into the storm system. Currently, Cleveland Water Pollution Control is in the early phases of designing a permanent solution to resolve this issue.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 2/14/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 1/17/17: Cleveland Water Pollution Control has discovered a sagging sewer line downstream of this issue causing sanitary to backup into the storm system. Currently, Cleveland Water Pollution Control is in the early phases of designing a permanent solution to resolve this issue.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 2/19/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 1/17/17: Cleveland Water Pollution Control has discovered a sagging sewer line downstream of this issue causing sanitary to backup into the storm system. Currently, Cleveland Water Pollution Control is in the early phases of designing a permanent solution to resolve this issue.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 2/24/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 1/17/17: Cleveland Water Pollution Control has discovered a sagging sewer line downstream of this issue causing sanitary to backup into the storm system. Currently, Cleveland Water Pollution Control is in the early phases of designing a permanent solution to resolve this issue.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 3/1/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 1/17/17: Cleveland Water Pollution Control has discovered a sagging sewer line downstream of this issue causing sanitary to backup into the storm system. Currently, Cleveland Water Pollution Control is in the early phases of designing a permanent solution to resolve this issue.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 3/6/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 1/17/17: Cleveland Water Pollution Control has discovered a sagging sewer line downstream of this issue causing sanitary to backup into the storm system. Currently, Cleveland Water Pollution Control is in the early phases of designing a permanent solution to resolve this issue.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 3/11/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 1/17/17: Cleveland Water Pollution Control has discovered a sagging sewer line downstream of this issue causing sanitary to backup into the storm system. Currently, Cleveland Water Pollution Control is in the early phases of designing a permanent solution to resolve this issue.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 3/16/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 1/17/17: Cleveland Water Pollution Control has discovered a sagging sewer line downstream of this issue causing sanitary to backup into the storm system. Currently, Cleveland Water Pollution Control is in the early phases of designing a permanent solution to resolve this issue.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 3/21/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 1/17/17: Cleveland Water Pollution Control has discovered a sagging sewer line downstream of this issue causing sanitary to backup into the storm system. Currently, Cleveland Water Pollution Control is in the early phases of designing a permanent solution to resolve this issue.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 3/26/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 1/17/17: Cleveland Water Pollution Control has discovered a sagging sewer line downstream of this issue causing sanitary to backup into the storm system. Currently, Cleveland Water Pollution Control is in the early phases of designing a permanent solution to resolve this issue.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 4/5/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 1/17/17: Cleveland Water Pollution Control has discovered a sagging sewer line downstream of this issue causing sanitary to backup into the storm system. Currently, Cleveland Water Pollution Control is in the early phases of designing a permanent solution to resolve this issue.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 4/10/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 1/17/17: Cleveland Water Pollution Control has discovered a sagging sewer line downstream of this issue causing sanitary to backup into the storm system. Currently, Cleveland Water Pollution Control is in the early phases of designing a permanent solution to resolve this issue.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 4/15/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 1/17/17: Cleveland Water Pollution Control has discovered a sagging sewer line downstream of this issue causing sanitary to backup into the storm system. Currently, Cleveland Water Pollution Control is in the early phases of designing a permanent solution to resolve this issue.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 4/20/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 4/19/17: Cleveland Water Pollution Control has informed NEORSD that they have procured a contractor (Perk Company) for their Henninger Road project that will address the sagging sewer line. This sagging sewer line is downstream of the original issue causing sanitary to backup into the storm system.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 4/25/2017

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Sagging sewer line downstream causing sanitary to backup into the storm system.

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 4/19/17: Cleveland Water Pollution Control has informed NEORSD that they have procured a contractor (Perk Company) for their Henninger Road project that will address the sagging sewer line. This sagging sewer line is downstream of the original issue causing sanitary to backup into the storm system.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Easterly WWTP eDMR Reports

Outfall 002: Wet weather overflow/bypass to Lake Erie

Outfall 003: Settled bypass spillway off primary tanks

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646858	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	003
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	24hr Total	24hr Total	24hr Total		
2017-01-01							
2017-01-02							
2017-01-03							
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12							
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17							
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Robert Bonnett	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-17 16:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646858	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:** **MONITORING PERIOD :**	002 **2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services Mark Citriglia Manager of Analytical Services
DISTRICT:	NEDO	**ANALYST:**	
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge		
PARAMETER CODE	00530	80082	74062	74063	82517		
UNITS	mg/l	mg/l	No./Month	Million Gallons	Hours		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	Total	24hr Total	24hr Total		
2017-01-01	AC	AC	AC	AC	AC		
2017-01-02	AC	AC	AC	AC	AC		
2017-01-03	30	AE	1	0.98	1.10		
2017-01-04	22	AE	0	0.48	0.27		
2017-01-05	AC	AC	AC	AC	AC		
2017-01-06	AC	AC	AC	AC	AC		
2017-01-07	AC	AC	AC	AC	AC		
2017-01-08	AC	AC	AC	AC	AC		
2017-01-09	AC	AC	AC	AC	AC		
2017-01-10	AC	AC	AC	AC	AC		
2017-01-11	AC	AC	AC	AC	AC		
2017-01-12	162	AE	1	170.28	12.23		
2017-01-13	AC	AC	AC	AC	AC		
2017-01-14	AC	AC	AC	AC	AC		
2017-01-15	AC	AC	AC	AC	AC		
2017-01-16	AC	AC	AC	AC	AC		
2017-01-17	111	11	1	4.52	2.30		
2017-01-18	AC	AC	AC	AC	AC		
2017-01-19	AC	AC	AC	AC	AC		
2017-01-20	AC	AC	AC	AC	AC		
2017-01-21	AC	AC	AC	AC	AC		
2017-01-22	AC	AC	AC	AC	AC		
2017-01-23	AC	AC	AC	AC	AC		
2017-01-24	AC	AC	AC	AC	AC		
2017-01-25	AC	AC	AC	AC	AC		
2017-01-26	AC	AC	AC	AC	AC		
2017-01-27	AC	AC	AC	AC	AC		
2017-01-28	AC	AC	AC	AC	AC		
2017-01-29	AC	AC	AC	AC	AC		
2017-01-30	AC	AC	AC	AC	AC		
2017-01-31	AC	AC	AC	AC	AC		
Minimum	22.0	11.0	0.0	0.48	0.27		
Maximum	162.0	11.0	1.0	170.28	12.23		
Average	81.25	11	0.75	44.065	3.975		
Count	4	1	4	4	4		

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Robert Bonnett	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-17 16:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NE Ohio Regional S D Easterly STP
LOCATION: 14021 Lakeshore Blvd
Cleveland, OH 44115

PERMIT NUMBER: ***3PF00001*LD***
MONITORING PERIOD : **2017-01-01** To: **2017-01-31**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	Nitrogen, Ammonia (NH3)	00610	2017-01-01	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Nitrogen, Ammonia (NH3)	00610	2017-01-15	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Phosphorus, Total (P)	00665	2017-01-01	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Phosphorus, Total (P)	00665	2017-01-15	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Nitrite Plus Nitrate, Total	00630	2017-01-01	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Nitrite Plus Nitrate, Total	00630	2017-01-15	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
002	CBOD 5 day	80082	2017-01-03	mg/l	BLANKS DID NOT MEET QC CRITERIA
002	CBOD 5 day	80082	2017-01-04	mg/l	BLANKS DID NOT MEET QC CRITERIA
002	CBOD 5 day	80082	2017-01-12	mg/l	SAMPLE DID NOT MEET METHOD QC CRITERIA
601	CBOD 5 day	80082	2017-01-01	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-02	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-03	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-04	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-05	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-08	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-09	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-16	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-30	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653594	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	003
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	24hr Total	24hr Total	24hr Total		
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07							
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24							
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Robert Bonnett	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-03-17 08:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653594	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge		
PARAMETER CODE	00530	80082	74062	74063	82517		
UNITS	mg/l	mg/l	No./Month	Million Gallons	Hours		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	Total	24hr Total	24hr Total		
2017-02-01	AC	AC	AC	AC	AC		
2017-02-02	AC	AC	AC	AC	AC		
2017-02-03	AC	AC	AC	AC	AC		
2017-02-04	AC	AC	AC	AC	AC		
2017-02-05	AC	AC	AC	AC	AC		
2017-02-06	AC	AC	AC	AC	AC		
2017-02-07	226	36	1	172.28	10.77		
2017-02-08	AC	AC	AC	AC	AC		
2017-02-09	AC	AC	AC	AC	AC		
2017-02-10	AC	AC	AC	AC	AC		
2017-02-11	AC	AC	AC	AC	AC		
2017-02-12	AC	AC	AC	AC	AC		
2017-02-13	AC	AC	AC	AC	AC		
2017-02-14	AC	AC	AC	AC	AC		
2017-02-15	AC	AC	AC	AC	AC		
2017-02-16	AC	AC	AC	AC	AC		
2017-02-17	AC	AC	AC	AC	AC		
2017-02-18	AC	AC	AC	AC	AC		
2017-02-19	AC	AC	AC	AC	AC		
2017-02-20	AC	AC	AC	AC	AC		
2017-02-21	AC	AC	AC	AC	AC		
2017-02-22	AC	AC	AC	AC	AC		
2017-02-23	AC	AC	AC	AC	AC		
2017-02-24	AC	AC	AC	AC	AC		
2017-02-25	364	68	1	11.44	3.40		
2017-02-26	AC	AC	AC	AC	AC		
2017-02-27	AC	AC	AC	AC	AC		
2017-02-28	AC	AC	AC	AC	AC		
Minimum	226.0	36.0	1.0	11.44	3.4		
Maximum	364.0	68.0	1.0	172.28	10.77		
Average	295	52	1	91.86	7.085		
Count	2	2	2	2	2		

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Robert Bonnett	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-03-17 08:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NE Ohio Regional S D Easterly STP
LOCATION: 14021 Lakeshore Blvd
Cleveland, OH 44115

PERMIT NUMBER: ***3PF00001*LD***
MONITORING PERIOD : **2017-02-01** To: **2017-02-28**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
601	CBOD 5 day	80082	2017-02-03	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-02-04	mg/l	BLANDS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660217	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	003
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	24hr Total	24hr Total	24hr Total		
2017-03-01							
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07							
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26							
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30							
2017-03-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Robert Bonnett	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-17 09:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660217	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:** **MONITORING PERIOD :**	002 **2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services Mark Citriglia Manager of Analytical Services
DISTRICT:	NEDO	**ANALYST:**	
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge		
PARAMETER CODE	00530	80082	74062	74063	82517		
UNITS	mg/l	mg/l	No./Month	Million Gallons	Hours		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	Total	24hr Total	24hr Total		
2017-03-01	AC	AC	AC	AC	AC		
2017-03-02	AC	AC	AC	AC	AC		
2017-03-03	AC	AC	AC	AC	AC		
2017-03-04	AC	AC	AC	AC	AC		
2017-03-05	AC	AC	AC	AC	AC		
2017-03-06	AC	AC	AC	AC	AC		
2017-03-07	189	AE	1	15.40	3.61		
2017-03-08	AC	AC	AC	AC	AC		
2017-03-09	AC	AC	AC	AC	AC		
2017-03-10	AC	AC	AC	AC	AC		
2017-03-11	AC	AC	AC	AC	AC		
2017-03-12	AC	AC	AC	AC	AC		
2017-03-13	AC	AC	AC	AC	AC		
2017-03-14	AC	AC	AC	AC	AC		
2017-03-15	AC	AC	AC	AC	AC		
2017-03-16	AC	AC	AC	AC	AC		
2017-03-17	AC	AC	AC	AC	AC		
2017-03-18	AC	AC	AC	AC	AC		
2017-03-19	AC	AC	AC	AC	AC		
2017-03-20	AC	AC	AC	AC	AC		
2017-03-21	AC	AC	AC	AC	AC		
2017-03-22	AC	AC	AC	AC	AC		
2017-03-23	AC	AC	AC	AC	AC		
2017-03-24	AC	AC	AC	AC	AC		
2017-03-25	AC	AC	AC	AC	AC		
2017-03-26	AC	AC	AC	AC	AC		
2017-03-27	AC	AC	AC	AC	AC		
2017-03-28	AC	AC	AC	AC	AC		
2017-03-29	AC	AC	AC	AC	AC		
2017-03-30	AC	AC	AC	AC	AC		
2017-03-31	200	104	1	98.34	8.38		
Minimum	189.0	104.0	1.0	15.4	3.61		
Maximum	200.0	104.0	1.0	98.34	8.38		
Average	194.5	104	1	56.87	5.995		
Count	2	1	2	2	2		

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Robert Bonnett	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-17 09:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NE Ohio Regional S D Easterly STP
LOCATION: 14021 Lakeshore Blvd
Cleveland, OH 44115

PERMIT NUMBER: ***3PF00001*LD***
MONITORING PERIOD : **2017-03-01** To: **2017-03-31**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
002	CBOD 5 day	80082	2017-03-07	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-03-07	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-03-27	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	667070	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	003
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	24hr Total	24hr Total	24hr Total		
2017-04-01							
2017-04-02							
2017-04-03							
2017-04-04							
2017-04-05							
2017-04-06							
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19							
2017-04-20							
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Robert Bonnett	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-15 16:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	667070	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:** **MONITORING PERIOD :**	002 **2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services Mark Citriglia Manager of Analytical Services
DISTRICT:	NEDO	**ANALYST:**	
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge		
PARAMETER CODE	00530	80082	74062	74063	82517		
UNITS	mg/l	mg/l	No./Month	Million Gallons	Hours		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	Total	24hr Total	24hr Total		
2017-04-01	AC	AC	AC	AC	AC		
2017-04-02	AC	AC	AC	AC	AC		
2017-04-03	AC	AC	AC	AC	AC		
2017-04-04	AC	AC	AC	AC	AC		
2017-04-05	AC	AC	AC	AC	AC		
2017-04-06	380	12	1	23.80	5.47		
2017-04-07	134	22	0	113.09	22.33		
2017-04-08	AC	AC	AC	AC	AC		
2017-04-09	AC	AC	AC	AC	AC		
2017-04-10	AC	AC	AC	AC	AC		
2017-04-11	AC	AC	AC	AC	AC		
2017-04-12	AC	AC	AC	AC	AC		
2017-04-13	AC	AC	AC	AC	AC		
2017-04-14	AC	AC	AC	AC	AC		
2017-04-15	AC	AC	AC	AC	AC		
2017-04-16	AC	AC	AC	AC	AC		
2017-04-17	AC	AC	AC	AC	AC		
2017-04-18	AC	AC	AC	AC	AC		
2017-04-19	49	32	1	8.10	4.05		
2017-04-20	644	67	1	35.52	4.38		
2017-04-21	138	16	0	48.59	4.35		
2017-04-22	AC	AC	AC	AC	AC		
2017-04-23	AC	AC	AC	AC	AC		
2017-04-24	AC	AC	AC	AC	AC		
2017-04-25	AC	AC	AC	AC	AC		
2017-04-26	AC	AC	AC	AC	AC		
2017-04-27	AC	AC	AC	AC	AC		
2017-04-28	AC	AC	AC	AC	AC		
2017-04-29	AC	AC	AC	AC	AC		
2017-04-30	AC	AC	AC	AC	AC		
Minimum	49.0	12.0	0.0	8.1	4.05		
Maximum	644.0	67.0	1.0	113.09	22.33		
Average	269	29.8	0.6	45.82	8.116		
Count	5	5	5	5	5		

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Robert Bonnett			2017-05-15 16:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**MONITORING PERIOD :**	**2017-04-01** To: **2017-04-30**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	675126	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	003
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	E. coli	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume	
PARAMETER CODE	31648	00530	80082	00051	00052	51428	
UNITS	#/100 ml	mg/l	mg/l	No./Day	Hrs/Day	MGAL	
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	
SAMPLING TYPE	Grab	Grab	Grab	24hr Total	24hr Total	24hr Total	
2017-05-01							
2017-05-02							
2017-05-03							
2017-05-04							
2017-05-05							
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21							
2017-05-22							
2017-05-23							
2017-05-24							
2017-05-25							
2017-05-26							
2017-05-27							
2017-05-28							
2017-05-29							
2017-05-30							
2017-05-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Robert Bonnett	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-16 16:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	675126	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:** **MONITORING PERIOD :**	002 **2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services Mark Citriglia Manager of Analytical Services
DISTRICT:	NEDO	**ANALYST:**	
		NO DISCHARGE INDICATOR:	

PARAMETER	E. coli	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge	
PARAMETER CODE	31648	00530	80082	74062	74063	82517	
UNITS	#/100 ml	mg/l	mg/l	No./Month	Million Gallons	Hours	
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	
SAMPLING TYPE	Grab	Grab	Grab	Total	24hr Total	24hr Total	
2017-05-01	856	70	15	1	1.42	2.68	
2017-05-02	AC	AC	AC	AC	AC	AC	
2017-05-03	AC	AC	AC	AC	AC	AC	
2017-05-04	AC	AC	AC	AC	AC	AC	
2017-05-05	500200	84	52	1	46.80	9.10	
2017-05-06	215000	50	14	0	92.46	11.45	
2017-05-07	AC	AC	AC	AC	AC	AC	
2017-05-08	AC	AC	AC	AC	AC	AC	
2017-05-09	AC	AC	AC	AC	AC	AC	
2017-05-10	AC	AC	AC	AC	AC	AC	
2017-05-11	AC	AC	AC	AC	AC	AC	
2017-05-12	AC	AC	AC	AC	AC	AC	
2017-05-13	AC	AC	AC	AC	AC	AC	
2017-05-14	AC	AC	AC	AC	AC	AC	
2017-05-15	AC	AC	AC	AC	AC	AC	
2017-05-16	AC	AC	AC	AC	AC	AC	
2017-05-17	AC	AC	AC	AC	AC	AC	
2017-05-18	AC	AC	AC	AC	AC	AC	
2017-05-19	AC	AC	AC	AC	AC	AC	
2017-05-20	AC	AC	AC	AC	AC	AC	
2017-05-21	AC	AC	AC	AC	AC	AC	
2017-05-22	AC	AC	AC	AC	AC	AC	
2017-05-23	AC	AC	AC	AC	AC	AC	
2017-05-24	AC	AC	AC	AC	AC	AC	
2017-05-25	274875	264	23	1	118.53	8.63	
2017-05-26	176667	26	11	0	40.55	4.58	
2017-05-27	AC	AC	AC	AC	AC	AC	
2017-05-28	AH	248	40	1	4.06	0.80	
2017-05-29	AH	246	47	0	38.38	3.95	
2017-05-30	AC	AC	AC	AC	AC	AC	
2017-05-31	AC	AC	AC	AC	AC	AC	
Minimum	856.0	26.0	11.0	0.0	1.42	0.8	
Maximum	500200.0	264.0	52.0	1.0	118.53	11.45	
Average	233519.6	141.14286	28.85714	0.57143	48.88571	5.88429	
Count	5	7	7	7	7	7	

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Robert Bonnett	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-16 16:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NE Ohio Regional S D Easterly STP
LOCATION: 14021 Lakeshore Blvd
Cleveland, OH 44115

PERMIT NUMBER: ***3PF00001*LD***
MONITORING PERIOD : **2017-05-01** To: **2017-05-31**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	CBOD 5 day	80082	2017-05-07	mg/l	BLANKS DID NOT MEET QC CRITERIA
002	E. coli	31648	2017-05-28	#/100 ml	SAMPLE RECEIVED PAST HOLD TIME
002	E. coli	31648	2017-05-29	#/100 ml	SAMPLE RECEIVED PAST HOLD TIME
601	CBOD 5 day	80082	2017-05-07	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683167	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	003
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	E. coli	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume	
PARAMETER CODE	31648	00530	80082	00051	00052	51428	
UNITS	#/100 ml	mg/l	mg/l	No./Day	Hrs/Day	MGAL	
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	
SAMPLING TYPE	Grab	Grab	Grab	24hr Total	24hr Total	24hr Total	
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18							
2017-06-19							
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23							
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29							
2017-06-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Robert Bonnett	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 11:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	683167	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:** **MONITORING PERIOD :**	002 **2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services Mark Citriglia Manager of Analytical Services
DISTRICT:	NEDO	**ANALYST:**	
		NO DISCHARGE INDICATOR:	

PARAMETER	E. coli	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge	
PARAMETER CODE	31648	00530	80082	74062	74063	82517	
UNITS	#/100 ml	mg/l	mg/l	No./Month	Million Gallons	Hours	
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	
SAMPLING TYPE	Grab	Grab	Grab	Total	24hr Total	24hr Total	
2017-06-01	AC	AC	AC	AC	AC	AC	
2017-06-02	AC	AC	AC	AC	AC	AC	
2017-06-03	AC	AC	AC	AC	AC	AC	
2017-06-04	AC	AC	AC	AC	AC	AC	
2017-06-05	AC	AC	AC	AC	AC	AC	
2017-06-06	AC	AC	AC	AC	AC	AC	
2017-06-07	AC	AC	AC	AC	AC	AC	
2017-06-08	AC	AC	AC	AC	AC	AC	
2017-06-09	AC	AC	AC	AC	AC	AC	
2017-06-10	AC	AC	AC	AC	AC	AC	
2017-06-11	AC	AC	AC	AC	AC	AC	
2017-06-12	AC	AC	AC	AC	AC	AC	
2017-06-13	AC	AC	AC	AC	AC	AC	
2017-06-14	AC	AC	AC	AC	AC	AC	
2017-06-15	AC	AC	AC	AC	AC	AC	
2017-06-16	AC	AC	AC	AC	AC	AC	
2017-06-17	AC	AC	AC	AC	AC	AC	
2017-06-18	AC	AC	AC	AC	AC	AC	
2017-06-19	AC	AC	AC	AC	AC	AC	
2017-06-20	AC	AC	AC	AC	AC	AC	
2017-06-21	AC	AC	AC	AC	AC	AC	
2017-06-22	AC	AC	AC	AC	AC	AC	
2017-06-23	17850	41	10	1	81.85	7.04	
2017-06-24	AC	AC	AC	AC	AC	AC	
2017-06-25	AC	AC	AC	AC	AC	AC	
2017-06-26	AC	AC	AC	AC	AC	AC	
2017-06-27	AC	AC	AC	AC	AC	AC	
2017-06-28	AC	AC	AC	AC	AC	AC	
2017-06-29	AC	AC	AC	AC	AC	AC	
2017-06-30	AH	245	29	1	87.55	4.88	
Minimum	17850.0	41.0	10.0	1.0	81.85	4.88	
Maximum	17850.0	245.0	29.0	1.0	87.55	7.04	
Average	17850	143	19.5	1	84.7	5.96	
Count	1	2	2	2	2	2	

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Robert Bonnett	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-19 11:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NE Ohio Regional S D Easterly STP
LOCATION: 14021 Lakeshore Blvd
Cleveland, OH 44115

PERMIT NUMBER: ***3PF00001*LD***
MONITORING PERIOD : **2017-06-01** To: **2017-06-30**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	Oil and Grease, Hexane Extr Method	00552	2017-06-15	mg/l	PER DISCUSSION WITH OHIO EPA ON JUNE 30 2017 SAMPLE WAS DETERMINED TO BE NON-REPRESENTATIVE OF FINAL EFFLUENT DISCHARGE.
001	Mercury, Total (Low Level)	50092	2017-06-15	ng/l	PER DISCUSSION WITH OHIO EPA ON JUNE 30 2017 SAMPLE WAS DETERMINED TO BE NON-REPRESENTATIVE OF FINAL EFFLUENT DISCHARGE.
001	Orthophosphate, Dissolved (as P)	00671	2017-06-15	mg/l	PER DISCUSSION WITH OHIO EPA ON JUNE 30 2017 SAMPLE WAS DETERMINED TO BE NON-REPRESENTATIVE OF FINAL EFFLUENT DISCHARGE
001	Cyanide, Free	00719	2017-06-15	mg/l	PER DISCUSSION WITH OHIO EPA ON JUNE 30 2017 SAMPLE WAS DETERMINED TO BE NON-REPRESENTATIVE OF FINAL EFFLUENT DISCHARGE.
001	Chromium, Dissolved Hexavalent	01220	2017-06-15	ug/l	PER DISCUSSION WITH OHIO EPA ON JUNE 30 2017 SAMPLE WAS DETERMINED TO BE NON-REPRESENTATIVE OF FINAL EFFLUENT DISCHARGE.
002	E. coli	31648	2017-06-30	#/100 ml	SAMPLE RECEIVED PAST HOLD TIME
601	CBOD 5 day	80082	2017-06-18	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-06-19	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-06-22	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-06-26	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-06-27	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-06-29	mg/l	BLANKS DID NOT MEET QC CRITERIA

Southerly WWTP eDMR Reports

Outfall 002: Bypass after primary settling tanks

Outfall 003: Emergency bypass after first-stage settling

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646277	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:** **MONITORING PERIOD :**	002 **2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	24hr Total	24hr Total	24hr Total		
2017-01-01	AC	AC	AC	AC	AC		
2017-01-02	AC	AC	AC	AC	AC		
2017-01-03	AC	AC	AC	AC	AC		
2017-01-04	AC	AC	AC	AC	AC		
2017-01-05	AC	AC	AC	AC	AC		
2017-01-06	AC	AC	AC	AC	AC		
2017-01-07	AC	AC	AC	AC	AC		
2017-01-08	AC	AC	AC	AC	AC		
2017-01-09	AC	AC	AC	AC	AC		
2017-01-10	AC	AC	AC	AC	AC		
2017-01-11	AC	AC	AC	AC	AC		
2017-01-12	105	22	1	14.53	116.1		
2017-01-13	AC	AC	AC	AC	AC		
2017-01-14	AC	AC	AC	AC	AC		
2017-01-15	AC	AC	AC	AC	AC		
2017-01-16	AC	AC	AC	AC	AC		
2017-01-17	AC	AC	AC	AC	AC		
2017-01-18	AC	AC	AC	AC	AC		
2017-01-19	AC	AC	AC	AC	AC		
2017-01-20	AC	AC	AC	AC	AC		
2017-01-21	AC	AC	AC	AC	AC		
2017-01-22	AC	AC	AC	AC	AC		
2017-01-23	AC	AC	AC	AC	AC		
2017-01-24	AC	AC	AC	AC	AC		
2017-01-25	AC	AC	AC	AC	AC		
2017-01-26	AC	AC	AC	AC	AC		
2017-01-27	AC	AC	AC	AC	AC		
2017-01-28	AC	AC	AC	AC	AC		
2017-01-29	AC	AC	AC	AC	AC		
2017-01-30	AC	AC	AC	AC	AC		
2017-01-31	AC	AC	AC	AC	AC		
Minimum	105.0	22.0	1.0	14.53	116.1		
Maximum	105.0	22.0	1.0	14.53	116.1		
Average	105	22	1	14.53	116.1		
Count	1	1	1	1	1		

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-15 16:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	646277	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:** **MONITORING PERIOD :**	003 **2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	1/Month		
SAMPLING TYPE	Grab	Grab	Grab	24hr Total	24hr Total		
2017-01-01							
2017-01-02							
2017-01-03							
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12							
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17							
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-15 16:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Southerly Wastewater Trtmnt Ctr, NEORSD
LOCATION: 6000 Canal Road
Cuyahoga Heights, OH 44124

PERMIT NUMBER: ***3PF00002*ND***
MONITORING PERIOD : **2017-01-01** To: **2017-01-31**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	Nitrogen, Ammonia (NH3)	00610	2017-01-01	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Nitrogen, Ammonia (NH3)	00610	2017-01-15	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Phosphorus, Total (P)	00665	2017-01-01	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Phosphorus, Total (P)	00665	2017-01-15	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Nitrite Plus Nitrate, Total	00630	2017-01-01	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Nitrite Plus Nitrate, Total	00630	2017-01-15	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
601	CBOD 5 day	80082	2017-01-01	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-02	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-03	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-04	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-05	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-08	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-09	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-16	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-30	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653176	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:** **MONITORING PERIOD :**	002 **2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	24hr Total	24hr Total	24hr Total		
2017-02-01	AC	AC	AC	AC	AC		
2017-02-02	AC	AC	AC	AC	AC		
2017-02-03	AC	AC	AC	AC	AC		
2017-02-04	AC	AC	AC	AC	AC		
2017-02-05	AC	AC	AC	AC	AC		
2017-02-06	AC	AC	AC	AC	AC		
2017-02-07	25	18	1	14.08	123.8		
2017-02-08	37	23	0	0.60	0.8		
2017-02-09	AC	AC	AC	AC	AC		
2017-02-10	AC	AC	AC	AC	AC		
2017-02-11	AC	AC	AC	AC	AC		
2017-02-12	AC	AC	AC	AC	AC		
2017-02-13	AC	AC	AC	AC	AC		
2017-02-14	AC	AC	AC	AC	AC		
2017-02-15	AC	AC	AC	AC	AC		
2017-02-16	AC	AC	AC	AC	AC		
2017-02-17	AC	AC	AC	AC	AC		
2017-02-18	AC	AC	AC	AC	AC		
2017-02-19	AC	AC	AC	AC	AC		
2017-02-20	AC	AC	AC	AC	AC		
2017-02-21	AC	AC	AC	AC	AC		
2017-02-22	AC	AC	AC	AC	AC		
2017-02-23	AC	AC	AC	AC	AC		
2017-02-24	AC	AC	AC	AC	AC		
2017-02-25	AC	AC	AC	AC	AC		
2017-02-26	AC	AC	AC	AC	AC		
2017-02-27	AC	AC	AC	AC	AC		
2017-02-28	AC	AC	AC	AC	AC		
Minimum	25.0	18.0	0.0	0.6	0.8		
Maximum	37.0	23.0	1.0	14.08	123.8		
Average	31	20.5	0.5	7.34	62.3		
Count	2	2	2	2	2		

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson			2017-03-15 15:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653176	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:** **MONITORING PERIOD :**	003 **2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	1/Month		
SAMPLING TYPE	Grab	Grab	Grab	24hr Total	24hr Total		
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07							
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24							
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-03-15 15:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Southerly Wastewater Trtmnt Ctr, NEORSD
LOCATION: 6000 Canal Road
Cuyahoga Heights, OH 44124

PERMIT NUMBER: ***3PF00002*ND***
MONITORING PERIOD : **2017-02-01** To: **2017-02-28**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
601	CBOD 5 day	80082	2017-02-03	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-02-04	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660599	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:** **MONITORING PERIOD :**	002 **2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	24hr Total	24hr Total	24hr Total		
2017-03-01	AC	AC	AC	AC	AC		
2017-03-02	AC	AC	AC	AC	AC		
2017-03-03	AC	AC	AC	AC	AC		
2017-03-04	AC	AC	AC	AC	AC		
2017-03-05	AC	AC	AC	AC	AC		
2017-03-06	AC	AC	AC	AC	AC		
2017-03-07	AC	AC	AC	AC	AC		
2017-03-08	AC	AC	AC	AC	AC		
2017-03-09	AC	AC	AC	AC	AC		
2017-03-10	AC	AC	AC	AC	AC		
2017-03-11	AC	AC	AC	AC	AC		
2017-03-12	AC	AC	AC	AC	AC		
2017-03-13	AC	AC	AC	AC	AC		
2017-03-14	AC	AC	AC	AC	AC		
2017-03-15	AC	AC	AC	AC	AC		
2017-03-16	AC	AC	AC	AC	AC		
2017-03-17	AC	AC	AC	AC	AC		
2017-03-18	AC	AC	AC	AC	AC		
2017-03-19	AC	AC	AC	AC	AC		
2017-03-20	AC	AC	AC	AC	AC		
2017-03-21	AC	AC	AC	AC	AC		
2017-03-22	AC	AC	AC	AC	AC		
2017-03-23	AC	AC	AC	AC	AC		
2017-03-24	AC	AC	AC	AC	AC		
2017-03-25	AC	AC	AC	AC	AC		
2017-03-26	AC	AC	AC	AC	AC		
2017-03-27	AC	AC	AC	AC	AC		
2017-03-28	AC	AC	AC	AC	AC		
2017-03-29	AC	AC	AC	AC	AC		
2017-03-30	AC	AC	AC	AC	AC		
2017-03-31	44	15	1	15.07	142.4		
Minimum	44.0	15.0	1.0	15.07	142.4		
Maximum	44.0	15.0	1.0	15.07	142.4		
Average	44	15	1	15.07	142.4		
Count	1	1	1	1	1		

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 10:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660599	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:** **MONITORING PERIOD :**	003 **2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	1/Month		
SAMPLING TYPE	Grab	Grab	Grab	24hr Total	24hr Total		
2017-03-01							
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07							
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26							
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30							
2017-03-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-18 10:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Southerly Wastewater Trtmnt Ctr, NEORSD
LOCATION: 6000 Canal Road
Cuyahoga Heights, OH 44124

PERMIT NUMBER: ***3PF00002*ND***
MONITORING PERIOD : **2017-03-01** To: **2017-03-31**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
601	CBOD 5 day	80082	2017-03-07	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-03-27	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	667417	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:** **MONITORING PERIOD :**	002 **2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	24hr Total	24hr Total	24hr Total		
2017-04-01	41	12	0	7.07	35.5		
2017-04-02	AC	AC	AC	AC	AC		
2017-04-03	AC	AC	AC	AC	AC		
2017-04-04	AC	AC	AC	AC	AC		
2017-04-05	AC	AC	AC	AC	AC		
2017-04-06	AC	AC	AC	AC	AC		
2017-04-07	39	21	1	12.25	87.0		
2017-04-08	AC	AC	AC	AC	AC		
2017-04-09	AC	AC	AC	AC	AC		
2017-04-10	AC	AC	AC	AC	AC		
2017-04-11	AC	AC	AC	AC	AC		
2017-04-12	AC	AC	AC	AC	AC		
2017-04-13	AC	AC	AC	AC	AC		
2017-04-14	AC	AC	AC	AC	AC		
2017-04-15	AC	AC	AC	AC	AC		
2017-04-16	AC	AC	AC	AC	AC		
2017-04-17	AC	AC	AC	AC	AC		
2017-04-18	AC	AC	AC	AC	AC		
2017-04-19	116	44	1	5.20	48.9		
2017-04-20	64	25	1	9.35	42.7		
2017-04-21	78	28	0	1.35	3.7		
2017-04-22	AC	AC	AC	AC	AC		
2017-04-23	AC	AC	AC	AC	AC		
2017-04-24	AC	AC	AC	AC	AC		
2017-04-25	AC	AC	AC	AC	AC		
2017-04-26	AC	AC	AC	AC	AC		
2017-04-27	AC	AC	AC	AC	AC		
2017-04-28	AC	AC	AC	AC	AC		
2017-04-29	AC	AC	AC	AC	AC		
2017-04-30	AC	AC	AC	AC	AC		
Minimum	39.0	12.0	0.0	1.35	3.7		
Maximum	116.0	44.0	1.0	12.25	87.0		
Average	67.6	26	0.6	7.044	43.56		
Count	5	5	5	5	5		

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-16 15:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	667417	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:** **MONITORING PERIOD :**	003 **2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	1/Month		
SAMPLING TYPE	Grab	Grab	Grab	24hr Total	24hr Total		
2017-04-01							
2017-04-02							
2017-04-03							
2017-04-04							
2017-04-05							
2017-04-06							
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19							
2017-04-20							
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-05-16 15:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**MONITORING PERIOD :**	**2017-04-01** To: **2017-04-30**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	675592	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:** **MONITORING PERIOD :**	002 **2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	24hr Total	24hr Total	24hr Total		
2017-05-01	AC	AC	AC	AC	AC		
2017-05-02	AC	AC	AC	AC	AC		
2017-05-03	AC	AC	AC	AC	AC		
2017-05-04	AC	AC	AC	AC	AC		
2017-05-05	34	18	1	11.83	78.8		
2017-05-06	36	14	0	24.00	110.9		
2017-05-07	31	17	0	3.28	9.7		
2017-05-08	AC	AC	AC	AC	AC		
2017-05-09	AC	AC	AC	AC	AC		
2017-05-10	AC	AC	AC	AC	AC		
2017-05-11	AC	AC	AC	AC	AC		
2017-05-12	AC	AC	AC	AC	AC		
2017-05-13	AC	AC	AC	AC	AC		
2017-05-14	AC	AC	AC	AC	AC		
2017-05-15	AC	AC	AC	AC	AC		
2017-05-16	AC	AC	AC	AC	AC		
2017-05-17	AC	AC	AC	AC	AC		
2017-05-18	AC	AC	AC	AC	AC		
2017-05-19	AC	AC	AC	AC	AC		
2017-05-20	AC	AC	AC	AC	AC		
2017-05-21	AC	AC	AC	AC	AC		
2017-05-22	AC	AC	AC	AC	AC		
2017-05-23	AC	AC	AC	AC	AC		
2017-05-24	AC	AC	AC	AC	AC		
2017-05-25	74	26	1	7.98	57.3		
2017-05-26	35	16	0	5.02	27.4		
2017-05-27	AC	AC	AC	AC	AC		
2017-05-28	75	29	1	3.93	34.0		
2017-05-29	53	16	0	7.90	47.9		
2017-05-30	AC	AC	AC	AC	AC		
2017-05-31	AC	AC	AC	AC	AC		
Minimum	31.0	14.0	0.0	3.28	9.7		
Maximum	75.0	29.0	1.0	24.0	110.9		
Average	48.28571	19.42857	0.42857	9.13429	52.28571		
Count	7	7	7	7	7		

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-19 11:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	675592	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:**	003
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	1/Month		
SAMPLING TYPE	Grab	Grab	Grab	24hr Total	24hr Total		
2017-05-01							
2017-05-02							
2017-05-03							
2017-05-04							
2017-05-05							
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21							
2017-05-22							
2017-05-23							
2017-05-24							
2017-05-25							
2017-05-26							
2017-05-27							
2017-05-28							
2017-05-29							
2017-05-30							
2017-05-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-19 11:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Southerly Wastewater Trtmnt Ctr, NEORSD
LOCATION: 6000 Canal Road
Cuyahoga Heights, OH 44124

PERMIT NUMBER: ***3PF00002*ND***
MONITORING PERIOD : **2017-05-01** To: **2017-05-31**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	CBOD 5 day	80082	2017-05-07	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-05-07	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	682775	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:** **MONITORING PERIOD :**	002 **2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	24hr Total	24hr Total	24hr Total		
2017-06-01	AC	AC	AC	AC	AC		
2017-06-02	AC	AC	AC	AC	AC		
2017-06-03	AC	AC	AC	AC	AC		
2017-06-04	AC	AC	AC	AC	AC		
2017-06-05	AC	AC	AC	AC	AC		
2017-06-06	AC	AC	AC	AC	AC		
2017-06-07	AC	AC	AC	AC	AC		
2017-06-08	AC	AC	AC	AC	AC		
2017-06-09	AC	AC	AC	AC	AC		
2017-06-10	AC	AC	AC	AC	AC		
2017-06-11	AC	AC	AC	AC	AC		
2017-06-12	AC	AC	AC	AC	AC		
2017-06-13	AC	AC	AC	AC	AC		
2017-06-14	AC	AC	AC	AC	AC		
2017-06-15	AC	AC	AC	AC	AC		
2017-06-16	AC	AC	AC	AC	AC		
2017-06-17	AC	AC	AC	AC	AC		
2017-06-18	AC	AC	AC	AC	AC		
2017-06-19	AC	AC	AC	AC	AC		
2017-06-20	AC	AC	AC	AC	AC		
2017-06-21	AC	AC	AC	AC	AC		
2017-06-22	AC	AC	AC	AC	AC		
2017-06-23	AC	AC	AC	AC	AC		
2017-06-24	AC	AC	AC	AC	AC		
2017-06-25	AC	AC	AC	AC	AC		
2017-06-26	AC	AC	AC	AC	AC		
2017-06-27	AC	AC	AC	AC	AC		
2017-06-28	AC	AC	AC	AC	AC		
2017-06-29	AC	AC	AC	AC	AC		
2017-06-30	80	28	1	6.12	69.8		
Minimum	80.0	28.0	1.0	6.12	69.8		
Maximum	80.0	28.0	1.0	6.12	69.8		
Average	80	28	1	6.12	69.8		
Count	1	1	1	1	1		

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-18 16:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	682775	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:** **MONITORING PERIOD :**	003 **2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	1/Month		
SAMPLING TYPE	Grab	Grab	Grab	24hr Total	24hr Total		
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18							
2017-06-19							
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23							
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29							
2017-06-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-18 16:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Southerly Wastewater Trtmnt Ctr, NEORSD
LOCATION: 6000 Canal Road
Cuyahoga Heights, OH 44124

PERMIT NUMBER: ***3PF00002*ND***
MONITORING PERIOD : **2017-06-01** To: **2017-06-30**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
601	CBOD 5 day	80082	2017-06-18	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-06-19	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-06-22	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-06-26	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-06-27	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-06-29	mg/l	BLANKS DID NOT MEET QC CRITERIA

Division of Surface Water
Non-compliance Notification for
Bypasses and Upsets

Use this form to report non-compliance that is the result of any **unanticipated bypass** or **upset** resulting in an exceedance of any **effluent limit** in your NPDES permit (see Part III, Section 12 of your NPDES permit for details). The form should be completed and emailed to the appropriate Ohio EPA inspector, or Ohio EPA office using one of the following addresses:

Southeast District Office:	sedo24hournpdes@epa.ohio.gov
Southwest District Office:	swdo24hournpdes@epa.ohio.gov
Northwest District Office:	nwdo24hournpdes@epa.ohio.gov
Northeast District Office:	nedo24hournpdes@epa.ohio.gov
Central District Office:	cdo24hournpdes@epa.ohio.gov
Central Office:	co24hournpdes@epa.ohio.gov

On a case-by-case basis it may be determined an environmental emergency exists. Report environmental emergencies within thirty (30) minutes of discovery to Ohio EPA 24-hours a day, 365 days a year at 800-282-9378!

Permittee Information	
Name of permittee:	NEORSD- Southerly WWTP
NPDES Permit number:	3PF00002*ND
Contact name for permittee:	George Schur
Contact telephone number:	(216) 641-3200
Date and time of discharge	
Date and time(s) of discharge:	01/12/17 @ 07:39 to 22:11
Date and time discharge discovered:	01/12/17 @ 07:39
Description of discharge	
Approximate amount of discharge:	116.10 MG
Characteristics of discharge:	Settled Sewage
Stream(s) affected by discharge	
Provide the name of all streams affected by the discharge:	Cuyahoga River
Circumstances that created the discharge	
Describe the circumstances that created the discharge:	Exceeded the plant's hydraulic capacity
Contact person with knowledge of discharge (if different than above)	
Name:	**Benjamin Tedrick**
Telephone number:	(216) 641-3200
Remedial steps	
Describe all remedial steps which are or will be taken to address the discharge:	
Person responsible for implementing remedial steps	
Name:	
Telephone number:	

Division of Surface Water
Non-compliance Notification for
Bypasses and Upsets

Use this form to report non-compliance that is the result of any **unanticipated bypass** or **upset** resulting in an exceedance of any **effluent limit** in your NPDES permit (see Part III, Section 12 of your NPDES permit for details). The form should be completed and emailed to the appropriate Ohio EPA inspector, or Ohio EPA office using one of the following addresses:

Southeast District Office:	sedo24hournpdes@epa.ohio.gov
Southwest District Office:	swdo24hournpdes@epa.ohio.gov
Northwest District Office:	nwdo24hournpdes@epa.ohio.gov
Northeast District Office:	nedo24hournpdes@epa.ohio.gov
Central District Office:	cdo24hournpdes@epa.ohio.gov
Central Office:	co24hournpdes@epa.ohio.gov

On a case-by-case basis it may be determined an environmental emergency exists. Report environmental emergencies within thirty (30) minutes of discovery to Ohio EPA 24-hours a day, 365 days a year at 800-282-9378!

Permittee Information	
Name of permittee:	NEORSD- Southerly WWTP
NPDES Permit number:	3PF00002*ND
Contact name for permittee:	Kevin Zebrowski
Contact telephone number:	(216) 641-3200
Date and time of discharge	
Date and time(s) of discharge:	2/7/2017 @ 0855 to 2/8/2017 @ 0036
Date and time discharge discovered:	2/7/2017 @ 0855
Description of discharge	
Approximate amount of discharge:	124.64 MG
Characteristics of discharge:	Settled Sewage
Stream(s) affected by discharge	
Provide the name of all streams affected by the discharge:	Cuyahoga River
Circumstances that created the discharge	
Describe the circumstances that created the discharge:	Exceeded the plant's hydraulic capacity
Contact person with knowledge of discharge (if different than above)	
Name:	**Travis Pitts**
Telephone number:	(216) 641-3200
Remedial steps	
Describe all remedial steps which are or will be taken to address the discharge:	
Person responsible for implementing remedial steps	
Name:	
Telephone number:	

Division of Surface Water
Non-compliance Notification for
Bypasses and Upsets

Use this form to report non-compliance that is the result of any **unanticipated bypass** or **upset** resulting in an exceedance of any **effluent limit** in your NPDES permit (see Part III, Section 12 of your NPDES permit for details). The form should be completed and emailed to the appropriate Ohio EPA inspector, or Ohio EPA office using one of the following addresses:

Southeast District Office:	sedo24hournpdes@epa.state.oh.us
Southwest District Office:	swdo24hournpdes@epa.state.oh.us
Northwest District Office:	nwdo24hournpdes@epa.state.oh.us
Northeast District Office:	nedo24hournpdes@epa.state.oh.us
Central District Office:	cdo24hournpdes@epa.state.oh.us
Central Office:	co24hournpdes@epa.state.oh.us

On a case-by-case basis it may be determined an environmental emergency exists. Report environmental emergencies within thirty (30) minutes of discovery to Ohio EPA 24-hours a day, 365 days a year at 800-282-9378!

Permittee Information	
Name of permittee:	NEORSD- Southerly WWTP
NPDES Permit number:	3PF00002*ND
Contact name for permittee:	Kevin Zebrowski
Contact telephone number:	216-641-3200
Date and time of discharge	
Date and time(s) of discharge:	03/31/2017 @0856 to 04/01/17 @ 07:04
Date and time discharge discovered:	03/31/2017 @ 0856
Description of discharge	
Approximate amount of discharge:	177.87 MG
Characteristics of discharge:	Settled sewage
Stream(s) affected by discharge	
Provide the name of all streams affected by the discharge:	Cuyahoga River
Circumstances that created the discharge	
Describe the circumstances that created the discharge:	Exceeded the plant's hydraulic capacity
Contact person with knowledge of discharge (if different than above)	
Name:	Ben Tedrick
Telephone number:	216-641-3200
Remedial steps	
Describe all remedial steps which are or will be taken to address the discharge:	
Person responsible for implementing remedial steps	
Name:	
Telephone number:	

Division of Surface Water
Non-compliance Notification for
Bypasses and Upsets

Use this form to report non-compliance that is the result of any **unanticipated bypass** or **upset** resulting in an exceedance of any **effluent limit** in your NPDES permit (see Part III, Section 12 of your NPDES permit for details). The form should be completed and emailed to the appropriate Ohio EPA inspector, or Ohio EPA office using one of the following addresses:

Southeast District Office:	sedo24hournpdes@epa.state.oh.us
Southwest District Office:	swdo24hournpdes@epa.state.oh.us
Northwest District Office:	nwdo24hournpdes@epa.state.oh.us
Northeast District Office:	nedo24hournpdes@epa.state.oh.us
Central District Office:	cdo24hournpdes@epa.state.oh.us
Central Office:	co24hournpdes@epa.state.oh.us

On a case-by-case basis it may be determined an environmental emergency exists. Report environmental emergencies within thirty (30) minutes of discovery to Ohio EPA 24-hours a day, 365 days a year at 800-282-9378!

Permittee Information	
Name of permittee:	NEORSD- Southerly WWTP
NPDES Permit number:	3PF00002*ND
Contact name for permittee:	Kevin Zebrowski
Contact telephone number:	216-641-3200
Date and time of discharge	
Date and time(s) of discharge:	04/07/17 @ 00:39 hr. to 04/07/17 @ 12:54 hr.
Date and time discharge discovered:	04/07/17 @ 00:39 hr.
Description of discharge	
Approximate amount of discharge:	87.03 MG
Characteristics of discharge:	Settled sewage
Stream(s) affected by discharge	
Provide the name of all streams affected by the discharge:	Cuyahoga River
Circumstances that created the discharge	
Describe the circumstances that created the discharge:	Exceeded the plant's hydraulic capacity
Contact person with knowledge of discharge (if different than above)	
Name:	**Eric Tanko**
Telephone number:	216-641-3200
Remedial steps	
Describe all remedial steps which are or will be taken to address the discharge:	
Person responsible for implementing remedial steps	
Name:	
Telephone number:	

Division of Surface Water
Non-compliance Notification for
Bypasses and Upsets

Use this form to report non-compliance that is the result of any **unanticipated bypass** or **upset** resulting in an exceedance of any **effluent limit** in your NPDES permit (see Part III, Section 12 of your NPDES permit for details). The form should be completed and emailed to the appropriate Ohio EPA inspector, or Ohio EPA office using one of the following addresses:

Southeast District Office:	sedo24hournpdes@epa.ohio.gov
Southwest District Office:	swdo24hournpdes@epa.ohio.gov
Northwest District Office:	nwdo24hournpdes@epa.ohio.gov
Northeast District Office:	nedo24hournpdes@epa.ohio.gov
Central District Office:	cdo24hournpdes@epa.ohio.gov
Central Office:	co24hournpdes@epa.ohio.gov

On a case-by-case basis it may be determined an environmental emergency exists. Report environmental emergencies within thirty (30) minutes of discovery to Ohio EPA 24-hours a day, 365 days a year at 800-282-9378!

Permittee Information	
Name of permittee:	NEORSD- Southerly WWTP
NPDES Permit number:	3PF00002*ND
Contact name for permittee:	Kevin Zebrowski
Contact telephone number:	(216) 641-3200
Date and time of discharge	
Date and time(s) of discharge:	04/19/2017 @ 19:48 hrs to 04/20/2017 @ 05:25
Date and time discharge discovered:	04/19/2017 @ 19:48 hrs
Description of discharge	
Approximate amount of discharge:	80.0 MG
Characteristics of discharge:	Settled Sewage
Stream(s) affected by discharge	
Provide the name of all streams affected by the discharge:	Cuyahoga River
Circumstances that created the discharge	
Describe the circumstances that created the discharge:	Exceeded the plant's hydraulic capacity
Contact person with knowledge of discharge (if different than above)	
Name:	Michael Mencl
Telephone number:	(216) 641-3200
Remedial steps	
Describe all remedial steps which are or will be taken to address the discharge:	
Person responsible for implementing remedial steps	
Name:	
Telephone number:	

Division of Surface Water
Non-compliance Notification for
Bypasses and Upsets

Use this form to report non-compliance that is the result of any **unanticipated bypass** or **upset** resulting in an exceedance of any **effluent limit** in your NPDES permit (see Part III, Section 12 of your NPDES permit for details). The form should be completed and emailed to the appropriate Ohio EPA inspector, or Ohio EPA office using one of the following addresses:

Southeast District Office:	sedo24hournpdes@epa.ohio.gov
Southwest District Office:	swdo24hournpdes@epa.ohio.gov
Northwest District Office:	nwdo24hournpdes@epa.ohio.gov
Northeast District Office:	nedo24hournpdes@epa.ohio.gov
Central District Office:	cdo24hournpdes@epa.ohio.gov
Central Office:	co24hournpdes@epa.ohio.gov

On a case-by-case basis it may be determined an environmental emergency exists. Report environmental emergencies within thirty (30) minutes of discovery to Ohio EPA 24-hours a day, 365 days a year at 800-282-9378!

Permittee Information	
Name of permittee:	NEORSD- Southerly WWTP
NPDES Permit number:	3PF00002*ND
Contact name for permittee:	Kevin Zebrowski
Contact telephone number:	(216) 641-3200
Date and time of discharge	
Date and time(s) of discharge:	04/20/2017 @20:04 to 04/20/2017 @21:40 AND 04/20/2017 @22:36 to 04/21/2017 @01:21
Date and time discharge discovered:	04/20/2017 @2004 hrs
Description of discharge	
Approximate amount of discharge:	15.39 MG
Characteristics of discharge:	Settled Sewage
Stream(s) affected by discharge	
Provide the name of all streams affected by the discharge:	Cuyahoga River
Circumstances that created the discharge	
Describe the circumstances that created the discharge:	Exceeded the plant's hydraulic capacity
Contact person with knowledge of discharge (if different than above)	
Name:	Michael Mencl
Telephone number:	(216) 641-3200
Remedial steps	
Describe all remedial steps which are or will be taken to address the discharge:	
Person responsible for implementing remedial steps	
Name:	
Telephone number:	

Division of Surface Water
Non-compliance Notification for
Bypasses and Upsets

Use this form to report non-compliance that is the result of any **unanticipated bypass** or **upset** resulting in an exceedance of any **effluent limit** in your NPDES permit (see Part III, Section 12 of your NPDES permit for details). The form should be completed and emailed to the appropriate Ohio EPA inspector, or Ohio EPA office using one of the following addresses:

Southeast District Office:	sedo24hournpdes@epa.ohio.gov
Southwest District Office:	swdo24hournpdes@epa.ohio.gov
Northwest District Office:	nwdo24hournpdes@epa.ohio.gov
Northeast District Office:	nedo24hournpdes@epa.ohio.gov
Central District Office:	cdo24hournpdes@epa.ohio.gov
Central Office:	co24hournpdes@epa.ohio.gov

On a case-by-case basis it may be determined an environmental emergency exists. Report environmental emergencies within thirty (30) minutes of discovery to Ohio EPA 24-hours a day, 365 days a year at 800-282-9378!

Permittee Information	
Name of permittee:	NEORSD- Southerly WWTP
NPDES Permit number:	3PF00002*ND
Contact name for permittee:	Kevin Zebrowski
Contact telephone number:	(216) 641-3200
Date and time of discharge	
Date and time(s) of discharge:	5/5/2017 @ 12:10 to 5/7/2017 @ 03:17
Date and time discharge discovered:	5/5/2017 @ 12:10
Description of discharge	
Approximate amount of discharge:	199.41 MG
Characteristics of discharge:	Settled Sewage
Stream(s) affected by discharge	
Provide the name of all streams affected by the discharge:	Cuyahoga River
Circumstances that created the discharge	
Describe the circumstances that created the discharge:	Exceeded the plant's hydraulic capacity
Contact person with knowledge of discharge (if different than above)	
Name:	**Travis Pitts**
Telephone number:	(216) 641-3200
Remedial steps	
Describe all remedial steps which are or will be taken to address the discharge:	
Person responsible for implementing remedial steps	
Name:	
Telephone number:	

Division of Surface Water
Non-compliance Notification for
Bypasses and Upsets

Use this form to report non-compliance that is the result of any **unanticipated bypass** or **upset** resulting in an exceedance of any **effluent limit** in your NPDES permit (see Part III, Section 12 of your NPDES permit for details). The form should be completed and emailed to the appropriate Ohio EPA inspector, or Ohio EPA office using one of the following addresses:

Southeast District Office:	sedo24hournpdes@epa.ohio.gov
Southwest District Office:	swdo24hournpdes@epa.ohio.gov
Northwest District Office:	nwdo24hournpdes@epa.ohio.gov
Northeast District Office:	nedo24hournpdes@epa.ohio.gov
Central District Office:	cdo24hournpdes@epa.ohio.gov
Central Office:	co24hournpdes@epa.ohio.gov

On a case-by-case basis it may be determined an environmental emergency exists. Report environmental emergencies within thirty (30) minutes of discovery to Ohio EPA 24-hours a day, 365 days a year at 800-282-9378!

Permittee Information	
Name of permittee:	NEORSD- Southerly WWTP
NPDES Permit number:	3PF00002*ND
Contact name for permittee:	Kevin Zebrowski
Contact telephone number:	(216) 641-3200
Date and time of discharge	
Date and time(s) of discharge:	5/25/2017 @ 16:01 to 5/26/17 @ 05:03
Date and time discharge discovered:	5/25/2017 @ 16:01
Description of discharge	
Approximate amount of discharge:	84.65 MG
Characteristics of discharge:	Settled Sewage
Stream(s) affected by discharge	
Provide the name of all streams affected by the discharge:	Cuyahoga River
Circumstances that created the discharge	
Describe the circumstances that created the discharge:	Exceeded the plant's hydraulic capacity
Contact person with knowledge of discharge (if different than above)	
Name:	Steve Lizewski
Telephone number:	(216) 641-3200
Remedial steps	
Describe all remedial steps which are or will be taken to address the discharge:	
Person responsible for implementing remedial steps	
Name:	
Telephone number:	

Division of Surface Water
Non-compliance Notification for
Bypasses and Upsets

Use this form to report non-compliance that is the result of any **unanticipated bypass** or **upset** resulting in an exceedance of any **effluent limit** in your NPDES permit (see Part III, Section 12 of your NPDES permit for details). The form should be completed and emailed to the appropriate Ohio EPA inspector, or Ohio EPA office using one of the following addresses:

Southeast District Office:	sedo24hournpdes@epa.ohio.gov
Southwest District Office:	swdo24hournpdes@epa.ohio.gov
Northwest District Office:	nwdo24hournpdes@epa.ohio.gov
Northeast District Office:	nedo24hournpdes@epa.ohio.gov
Central District Office:	cdo24hournpdes@epa.ohio.gov
Central Office:	co24hournpdes@epa.ohio.gov

On a case-by-case basis it may be determined an environmental emergency exists. Report environmental emergencies within thirty (30) minutes of discovery to Ohio EPA 24-hours a day, 365 days a year at 800-282-9378!

Permittee Information	
Name of permittee:	NEORSD- Southerly WWTP
NPDES Permit number:	3PF00002*ND
Contact name for permittee:	Kevin Zebrowski
Contact telephone number:	(216) 641-3200
Date and time of discharge	
Date and time(s) of discharge:	05/28/2017 @ 20:04 hrs.to 05/29/2017 @ 07:54
Date and time discharge discovered:	05/28/2017 @ 20:04 hrs
Description of discharge	
Approximate amount of discharge:	81.86 MG
Characteristics of discharge:	Settled Sewage
Stream(s) affected by discharge	
Provide the name of all streams affected by the discharge:	Cuyahoga River
Circumstances that created the discharge	
Describe the circumstances that created the discharge:	Exceeded the plant's hydraulic capacity
Contact person with knowledge of discharge (if different than above)	
Name:	**Travis Pitts**
Telephone number:	(216) 641-3200
Remedial steps	
Describe all remedial steps which are or will be taken to address the discharge:	
Person responsible for implementing remedial steps	
Name:	
Telephone number:	

Division of Surface Water
Non-compliance Notification for
Bypasses and Upsets

Use this form to report non-compliance that is the result of any **unanticipated bypass** or **upset** resulting in an exceedance of any **effluent limit** in your NPDES permit (see Part III, Section 12 of your NPDES permit for details). The form should be completed and emailed to the appropriate Ohio EPA inspector, or Ohio EPA office using one of the following addresses:

Southeast District Office: sedo24hournpdes@epa.state.oh.us
Southwest District Office: swdo24hournpdes@epa.state.oh.us
Northwest District Office: nwdo24hournpdes@epa.state.oh.us
Northeast District Office: nedo24hournpdes@epa.state.oh.us
Central District Office: cdo24hournpdes@epa.state.oh.us
Central Office: co24hournpdes@epa.state.oh.us

On a case-by-case basis it may be determined an environmental emergency exists. Report environmental emergencies within thirty (30) minutes of discovery to Ohio EPA 24-hours a day, 365 days a year at 800-282-9378!

Permittee Information	
Name of permittee:	NEORSD- Southerly WWTP
NPDES Permit number:	3PF00002*ND
Contact name for permittee:	Kevin Zebrowski
Contact telephone number:	216-641-3200
Date and time of discharge	
Date and time(s) of discharge:	06/30/17 @ 17:53 hr. to 07/01/2017 @ 13:32 hr.
Date and time discharge discovered:	06/30/17 @ 17:53 hr.
Description of discharge	
Approximate amount of discharge:	164.67 MG
Characteristics of discharge:	Settled sewage
Stream(s) affected by discharge	
Provide the name of all streams affected by the discharge:	Cuyahoga River
Circumstances that created the discharge	
Describe the circumstances that created the discharge:	Exceeded the plant's hydraulic capacity
Contact person with knowledge of discharge (if different than above)	
Name:	**Eric Tanko**
Telephone number:	216-641-3200
Remedial steps	
Describe all remedial steps which are or will be taken to address the discharge:	
Person responsible for implementing remedial steps	
Name:	
Telephone number:	

Westerly WWTP eDMR Reports

Outfall 002: Wet weather overflow/bypass to Lake Erie

Outfall 602: Secondary treatment bypass

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	645421	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services Mark Citriglia Manager of Analytical Services
DISTRICT:	NEDO	**ANALYST:**	
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge		
PARAMETER CODE	00530	80082	74062	74063	82517		
UNITS	mg/l	mg/l	No./Month	Million Gallons	Hours		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	Total	24hr Total	24hr Total		
2017-01-01	AC	AC	AC	AC	AC		
2017-01-02	AC	AC	AC	AC	AC		
2017-01-03	AC	AC	AC	AC	AC		
2017-01-04	AC	AC	AC	AC	AC		
2017-01-05	AC	AC	AC	AC	AC		
2017-01-06	AC	AC	AC	AC	AC		
2017-01-07	AC	AC	AC	AC	AC		
2017-01-08	AC	AC	AC	AC	AC		
2017-01-09	AC	AC	AC	AC	AC		
2017-01-10	AC	AC	AC	AC	AC		
2017-01-11	AC	AC	AC	AC	AC		
2017-01-12	100	AE	1	29.6	11.20		
2017-01-13	AC	AC	AC	AC	AC		
2017-01-14	AC	AC	AC	AC	AC		
2017-01-15	AC	AC	AC	AC	AC		
2017-01-16	AC	AC	AC	AC	AC		
2017-01-17	62	16	1	1.3	1.90		
2017-01-18	AC	AC	AC	AC	AC		
2017-01-19	AC	AC	AC	AC	AC		
2017-01-20	AC	AC	AC	AC	AC		
2017-01-21	AC	AC	AC	AC	AC		
2017-01-22	AC	AC	AC	AC	AC		
2017-01-23	AC	AC	AC	AC	AC		
2017-01-24	AC	AC	AC	AC	AC		
2017-01-25	AC	AC	AC	AC	AC		
2017-01-26	AC	AC	AC	AC	AC		
2017-01-27	AC	AC	AC	AC	AC		
2017-01-28	AC	AC	AC	AC	AC		
2017-01-29	AC	AC	AC	AC	AC		
2017-01-30	AC	AC	AC	AC	AC		
2017-01-31	AC	AC	AC	AC	AC		
Minimum	62.0	16.0	1.0	1.3	1.9		
Maximum	100.0	16.0	1.0	29.6	11.2		
Average	81	16	1	15.45	6.55		
Count	2	1	2	2	2		

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andrew Rossiter	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-15 12:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	645421	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	602
		MONITORING PERIOD :	**2017-01-01** To: **2017-01-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	24hr Composite	24hr Composite	24hr Total	24hr Total	24hr Total		
2017-01-01							
2017-01-02							
2017-01-03							
2017-01-04							
2017-01-05							
2017-01-06							
2017-01-07							
2017-01-08							
2017-01-09							
2017-01-10							
2017-01-11							
2017-01-12							
2017-01-13							
2017-01-14							
2017-01-15							
2017-01-16							
2017-01-17							
2017-01-18							
2017-01-19							
2017-01-20							
2017-01-21							
2017-01-22							
2017-01-23							
2017-01-24							
2017-01-25							
2017-01-26							
2017-01-27							
2017-01-28							
2017-01-29							
2017-01-30							
2017-01-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andrew Rossiter	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-02-15 12:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NEORSD Westerly WWTP
LOCATION: 5800 Cleveland Memorial Shoreway NW
Cleveland, OH 44115

PERMIT NUMBER: ***3PE00001*PD***
MONITORING PERIOD : **2017-01-01** To: **2017-01-31**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	Nitrogen, Ammonia (NH3)	00610	2017-01-01	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Nitrogen, Ammonia (NH3)	00610	2017-01-15	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	CBOD 5 day	80082	2017-01-02	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2017-01-03	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2017-01-04	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2017-01-05	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2017-01-09	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2017-01-30	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	Phosphorus, Total (P)	00665	2017-01-01	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Phosphorus, Total (P)	00665	2017-01-15	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Nitrite Plus Nitrate, Total	00630	2017-01-01	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Nitrite Plus Nitrate, Total	00630	2017-01-15	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
002	CBOD 5 day	80082	2017-01-12	mg/l	SAMPLE DID NOT MEET METHOD QC CRITERIA
601	CBOD 5 day	80082	2017-01-01	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-02	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-03	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-04	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-05	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-08	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-09	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-16	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-01-30	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653453	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge		
PARAMETER CODE	00530	80082	74062	74063	82517		
UNITS	mg/l	mg/l	No./Month	Million Gallons	Hours		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	Total	24hr Total	24hr Total		
2017-02-01	AC	AC	AC	AC	AC		
2017-02-02	AC	AC	AC	AC	AC		
2017-02-03	AC	AC	AC	AC	AC		
2017-02-04	AC	AC	AC	AC	AC		
2017-02-05	AC	AC	AC	AC	AC		
2017-02-06	AC	AC	AC	AC	AC		
2017-02-07	246	33	1	58.8	10.00		
2017-02-08	AC	AC	AC	AC	AC		
2017-02-09	AC	AC	AC	AC	AC		
2017-02-10	AC	AC	AC	AC	AC		
2017-02-11	AC	AC	AC	AC	AC		
2017-02-12	AC	AC	AC	AC	AC		
2017-02-13	AC	AC	AC	AC	AC		
2017-02-14	AC	AC	AC	AC	AC		
2017-02-15	AC	AC	AC	AC	AC		
2017-02-16	AC	AC	AC	AC	AC		
2017-02-17	AC	AC	AC	AC	AC		
2017-02-18	AC	AC	AC	AC	AC		
2017-02-19	AC	AC	AC	AC	AC		
2017-02-20	AC	AC	AC	AC	AC		
2017-02-21	AC	AC	AC	AC	AC		
2017-02-22	AC	AC	AC	AC	AC		
2017-02-23	AC	AC	AC	AC	AC		
2017-02-24	AC	AC	AC	AC	AC		
2017-02-25	AC	AC	AC	AC	AC		
2017-02-26	AC	AC	AC	AC	AC		
2017-02-27	AC	AC	AC	AC	AC		
2017-02-28	AC	AC	AC	AC	AC		
Minimum	246.0	33.0	1.0	58.8	10.0		
Maximum	246.0	33.0	1.0	58.8	10.0		
Average	246	33	1	58.8	10		
Count	1	1	1	1	1		

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andrew Rossiter	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-03-16 14:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	653453	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	602
		MONITORING PERIOD :	**2017-02-01** To: **2017-02-28**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	24hr Composite	24hr Composite	24hr Total	24hr Total	24hr Total		
2017-02-01							
2017-02-02							
2017-02-03							
2017-02-04							
2017-02-05							
2017-02-06							
2017-02-07							
2017-02-08							
2017-02-09							
2017-02-10							
2017-02-11							
2017-02-12							
2017-02-13							
2017-02-14							
2017-02-15							
2017-02-16							
2017-02-17							
2017-02-18							
2017-02-19							
2017-02-20							
2017-02-21							
2017-02-22							
2017-02-23							
2017-02-24							
2017-02-25							
2017-02-26							
2017-02-27							
2017-02-28							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andrew Rossiter	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-03-16 14:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NEORSD Westerly WWTP
LOCATION: 5800 Cleveland Memorial Shoreway NW
Cleveland, OH 44115

PERMIT NUMBER: ***3PE00001*PD***
MONITORING PERIOD : **2017-02-01** To: **2017-02-28**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
601	CBOD 5 day	80082	2017-02-03	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-02-04	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660925	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge		
PARAMETER CODE	00530	80082	74062	74063	82517		
UNITS	mg/l	mg/l	No./Month	Million Gallons	Hours		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	Total	24hr Total	24hr Total		
2017-03-01	78	40	1	0.5	1.60		
2017-03-02	AC	AC	AC	AC	AC		
2017-03-03	AC	AC	AC	AC	AC		
2017-03-04	AC	AC	AC	AC	AC		
2017-03-05	AC	AC	AC	AC	AC		
2017-03-06	AC	AC	AC	AC	AC		
2017-03-07	AC	AC	AC	AC	AC		
2017-03-08	AC	AC	AC	AC	AC		
2017-03-09	AC	AC	AC	AC	AC		
2017-03-10	AC	AC	AC	AC	AC		
2017-03-11	AC	AC	AC	AC	AC		
2017-03-12	AC	AC	AC	AC	AC		
2017-03-13	AC	AC	AC	AC	AC		
2017-03-14	AC	AC	AC	AC	AC		
2017-03-15	AC	AC	AC	AC	AC		
2017-03-16	AC	AC	AC	AC	AC		
2017-03-17	AC	AC	AC	AC	AC		
2017-03-18	AC	AC	AC	AC	AC		
2017-03-19	AC	AC	AC	AC	AC		
2017-03-20	AC	AC	AC	AC	AC		
2017-03-21	AC	AC	AC	AC	AC		
2017-03-22	AC	AC	AC	AC	AC		
2017-03-23	AC	AC	AC	AC	AC		
2017-03-24	AC	AC	AC	AC	AC		
2017-03-25	AC	AC	AC	AC	AC		
2017-03-26	AC	AC	AC	AC	AC		
2017-03-27	AC	AC	AC	AC	AC		
2017-03-28	AC	AC	AC	AC	AC		
2017-03-29	AC	AC	AC	AC	AC		
2017-03-30	AC	AC	AC	AC	AC		
2017-03-31	97	17	1	9.1	5.40		
Minimum	78.0	17.0	1.0	0.5	1.6		
Maximum	97.0	40.0	1.0	9.1	5.4		
Average	87.5	28.5	1	4.8	3.5		
Count	2	2	2	2	2		

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andrew Rossiter	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-19 07:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	660925	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	602
		MONITORING PERIOD :	**2017-03-01** To: **2017-03-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	24hr Composite	24hr Composite	24hr Total	24hr Total	24hr Total		
2017-03-01							
2017-03-02							
2017-03-03							
2017-03-04							
2017-03-05							
2017-03-06							
2017-03-07							
2017-03-08							
2017-03-09							
2017-03-10							
2017-03-11							
2017-03-12							
2017-03-13							
2017-03-14							
2017-03-15							
2017-03-16							
2017-03-17							
2017-03-18							
2017-03-19							
2017-03-20							
2017-03-21							
2017-03-22							
2017-03-23							
2017-03-24							
2017-03-25							
2017-03-26							
2017-03-27							
2017-03-28							
2017-03-29							
2017-03-30							
2017-03-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andrew Rossiter	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-04-19 07:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NEORSD Westerly WWTP
LOCATION: 5800 Cleveland Memorial Shoreway NW
Cleveland, OH 44115

PERMIT NUMBER: ***3PE00001*PD***
MONITORING PERIOD : **2017-03-01** To: **2017-03-31**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	CBOD 5 day	80082	2017-03-07	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-03-07	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-03-27	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	667127	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services Mark Citriglia Manager of Analytical Services
DISTRICT:	NEDO	**ANALYST:**	
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge		
PARAMETER CODE	00530	80082	74062	74063	82517		
UNITS	mg/l	mg/l	No./Month	Million Gallons	Hours		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	Total	24hr Total	24hr Total		
2017-04-01	AC	AC	AC	AC	AC		
2017-04-02	AC	AC	AC	AC	AC		
2017-04-03	AC	AC	AC	AC	AC		
2017-04-04	AC	AC	AC	AC	AC		
2017-04-05	AC	AC	AC	AC	AC		
2017-04-06	AC	AC	AC	AC	AC		
2017-04-07	AC	AC	AC	AC	AC		
2017-04-08	AC	AC	AC	AC	AC		
2017-04-09	AC	AC	AC	AC	AC		
2017-04-10	AC	AC	AC	AC	AC		
2017-04-11	AC	AC	AC	AC	AC		
2017-04-12	AC	AC	AC	AC	AC		
2017-04-13	AC	AC	AC	AC	AC		
2017-04-14	AC	AC	AC	AC	AC		
2017-04-15	AC	AC	AC	AC	AC		
2017-04-16	AC	AC	AC	AC	AC		
2017-04-17	AC	AC	AC	AC	AC		
2017-04-18	AC	AC	AC	AC	AC		
2017-04-19	124	34	1	26.7	5.00		
2017-04-20	231	28	1	4.3	1.40		
2017-04-21	84	12	1	0.6	1.80		
2017-04-22	AC	AC	AC	AC	AC		
2017-04-23	AC	AC	AC	AC	AC		
2017-04-24	AC	AC	AC	AC	AC		
2017-04-25	AC	AC	AC	AC	AC		
2017-04-26	AC	AC	AC	AC	AC		
2017-04-27	AC	AC	AC	AC	AC		
2017-04-28	AC	AC	AC	AC	AC		
2017-04-29	AC	AC	AC	AC	AC		
2017-04-30	AC	AC	AC	AC	AC		
Minimum	84.0	12.0	1.0	0.6	1.4		
Maximum	231.0	34.0	1.0	26.7	5.0		
Average	146.33333	24.66667	1	10.53333	2.73333		
Count	3	3	3	3	3		

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andrew Rossiter			2017-05-16 07:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	667127	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	602
		MONITORING PERIOD :	**2017-04-01** To: **2017-04-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	24hr Composite	24hr Composite	24hr Total	24hr Total	24hr Total		
2017-04-01							
2017-04-02							
2017-04-03							
2017-04-04							
2017-04-05							
2017-04-06							
2017-04-07							
2017-04-08							
2017-04-09							
2017-04-10							
2017-04-11							
2017-04-12							
2017-04-13							
2017-04-14							
2017-04-15							
2017-04-16							
2017-04-17							
2017-04-18							
2017-04-19							
2017-04-20							
2017-04-21							
2017-04-22							
2017-04-23							
2017-04-24							
2017-04-25							
2017-04-26							
2017-04-27							
2017-04-28							
2017-04-29							
2017-04-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andrew Rossiter			2017-05-16 07:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NEORSD Westerly WWTP
LOCATION: 5800 Cleveland Memorial Shoreway NW
Cleveland, OH 44115

PERMIT NUMBER: ***3PE00001*PD***
MONITORING PERIOD : **2017-04-01** To: **2017-04-30**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
585	Arsenic, Total In Sludge	01003	2017-04-03	mg/kg	SOLIDS UNIT DOWN FOR 24 HOURS
585	Beryllium, Total In Sludge	01013	2017-04-03	mg/kg	SOLIDS UNIT DOWN FOR 24 HOURS
585	Cadmium, Total In Sludge	01028	2017-04-03	mg/kg	SOLIDS UNIT DOWN FOR 24 HOURS
585	Chromium, Total In Sludge	01029	2017-04-03	mg/kg	SOLIDS UNIT DOWN FOR 24 HOURS
585	Lead, Total In Sludge	01052	2017-04-03	mg/kg	SOLIDS UNIT DOWN FOR 24 HOURS
585	Nickel, Total In Sludge	01068	2017-04-03	mg/kg	SOLIDS UNIT DOWN FOR 24 HOURS
585	Mercury, Total In Sludge	71921	2017-04-03	mg/kg	SOLIDS UNIT DOWN FOR 24 HOURS

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	675413	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services Mark Citriglia Manager of Analytical Services
DISTRICT:	NEDO	**ANALYST:**	
		NO DISCHARGE INDICATOR:	

PARAMETER	E. coli	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge	
PARAMETER CODE	31648	00530	80082	74062	74063	82517	
UNITS	#/100 ml	mg/l	mg/l	No./Month	Million Gallons	Hours	
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	
SAMPLING TYPE	Grab	Grab	Grab	Total	24hr Total	24hr Total	
2017-05-01	AC	AC	AC	AC	AC	AC	
2017-05-02	AC	AC	AC	AC	AC	AC	
2017-05-03	AC	AC	AC	AC	AC	AC	
2017-05-04	AC	AC	AC	AC	AC	AC	
2017-05-05	AC	AC	AC	AC	AC	AC	
2017-05-06	AC	AC	AC	AC	AC	AC	
2017-05-07	AC	AC	AC	AC	AC	AC	
2017-05-08	AC	AC	AC	AC	AC	AC	
2017-05-09	AC	AC	AC	AC	AC	AC	
2017-05-10	AC	AC	AC	AC	AC	AC	
2017-05-11	AC	AC	AC	AC	AC	AC	
2017-05-12	AC	AC	AC	AC	AC	AC	
2017-05-13	AC	AC	AC	AC	AC	AC	
2017-05-14	AC	AC	AC	AC	AC	AC	
2017-05-15	AC	AC	AC	AC	AC	AC	
2017-05-16	AC	AC	AC	AC	AC	AC	
2017-05-17	AC	AC	AC	AC	AC	AC	
2017-05-18	AC	AC	AC	AC	AC	AC	
2017-05-19	AC	AC	AC	AC	AC	AC	
2017-05-20	AC	AC	AC	AC	AC	AC	
2017-05-21	AC	AC	AC	AC	AC	AC	
2017-05-22	AC	AC	AC	AC	AC	AC	
2017-05-23	AC	AC	AC	AC	AC	AC	
2017-05-24	AC	AC	AC	AC	AC	AC	
2017-05-25	342800	68	24	1	9.5	4.70	
2017-05-26	AH	48	10	0	0.0	0.10	
2017-05-27	AC	AC	AC	AC	AC	AC	
2017-05-28	AH	204	25	1	6.5	1.20	
2017-05-29	AH	96	19	0	0.1	0.10	
2017-05-30	AC	AC	AC	AC	AC	AC	
2017-05-31	AC	AC	AC	AC	AC	AC	
Minimum	342800.0	48.0	10.0	0.0	0.0	0.1	
Maximum	342800.0	204.0	25.0	1.0	9.5	4.7	
Average	342800	104	19.5	0.5	4.025	1.525	
Count	1	4	4	4	4	4	

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andrew Rossiter	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-19 08:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	675413	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	602
		MONITORING PERIOD :	**2017-05-01** To: **2017-05-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	24hr Composite	24hr Composite	24hr Total	24hr Total	24hr Total		
2017-05-01							
2017-05-02							
2017-05-03							
2017-05-04							
2017-05-05							
2017-05-06							
2017-05-07							
2017-05-08							
2017-05-09							
2017-05-10							
2017-05-11							
2017-05-12							
2017-05-13							
2017-05-14							
2017-05-15							
2017-05-16							
2017-05-17							
2017-05-18							
2017-05-19							
2017-05-20							
2017-05-21							
2017-05-22							
2017-05-23							
2017-05-24							
2017-05-25							
2017-05-26							
2017-05-27							
2017-05-28							
2017-05-29							
2017-05-30							
2017-05-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andrew Rossiter	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-06-19 08:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NEORSD Westerly WWTP
LOCATION: 5800 Cleveland Memorial Shoreway NW
Cleveland, OH 44115

PERMIT NUMBER: ***3PE00001*PD***
MONITORING PERIOD : **2017-05-01** To: **2017-05-31**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
002	E. coli	31648	2017-05-26	#/100 ml	SAMPLE RECEIVED PAST HOLD TIME
002	E. coli	31648	2017-05-28	#/100 ml	SAMPLE RECEIVED PAST HOLD TIME
002	E. coli	31648	2017-05-29	#/100 ml	SAMPLE RECEIVED PAST HOLD TIME
601	CBOD 5 day	80082	2017-05-07	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	681750	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services Mark Citriglia Manager of Analytical Services
DISTRICT:	NEDO	**ANALYST:**	
		NO DISCHARGE INDICATOR:	

PARAMETER	E. coli	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge	
PARAMETER CODE	31648	00530	80082	74062	74063	82517	
UNITS	#/100 ml	mg/l	mg/l	No./Month	Million Gallons	Hours	
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	
SAMPLING TYPE	Grab	Grab	Grab	Total	24hr Total	24hr Total	
2017-06-01	AC	AC	AC	AC	AC	AC	
2017-06-02	AC	AC	AC	AC	AC	AC	
2017-06-03	AC	AC	AC	AC	AC	AC	
2017-06-04	AC	AC	AC	AC	AC	AC	
2017-06-05	AC	AC	AC	AC	AC	AC	
2017-06-06	AC	AC	AC	AC	AC	AC	
2017-06-07	AC	AC	AC	AC	AC	AC	
2017-06-08	AC	AC	AC	AC	AC	AC	
2017-06-09	AC	AC	AC	AC	AC	AC	
2017-06-10	AC	AC	AC	AC	AC	AC	
2017-06-11	AC	AC	AC	AC	AC	AC	
2017-06-12	AC	AC	AC	AC	AC	AC	
2017-06-13	AC	AC	AC	AC	AC	AC	
2017-06-14	AC	AC	AC	AC	AC	AC	
2017-06-15	AC	AC	AC	AC	AC	AC	
2017-06-16	AC	AC	AC	AC	AC	AC	
2017-06-17	AC	AC	AC	AC	AC	AC	
2017-06-18	AC	AC	AC	AC	AC	AC	
2017-06-19	AC	AC	AC	AC	AC	AC	
2017-06-20	AC	AC	AC	AC	AC	AC	
2017-06-21	AC	AC	AC	AC	AC	AC	
2017-06-22	AC	AC	AC	AC	AC	AC	
2017-06-23	670000	152	34	1	9.5	3.20	
2017-06-24	AC	AC	AC	AC	AC	AC	
2017-06-25	AC	AC	AC	AC	AC	AC	
2017-06-26	AC	AC	AC	AC	AC	AC	
2017-06-27	AC	AC	AC	AC	AC	AC	
2017-06-28	AC	AC	AC	AC	AC	AC	
2017-06-29	AC	AC	AC	AC	AC	AC	
2017-06-30	AH	227	25	1	36.0	5.90	
Minimum	670000.0	152.0	25.0	1.0	9.5	3.2	
Maximum	670000.0	227.0	34.0	1.0	36.0	5.9	
Average	670000	189.5	29.5	1	22.75	4.55	
Count	1	2	2	2	2	2	

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andrew Rossiter	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-14 10:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	681750	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	602
		MONITORING PERIOD :	**2017-06-01** To: **2017-06-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	24hr Composite	24hr Composite	24hr Total	24hr Total	24hr Total		
2017-06-01							
2017-06-02							
2017-06-03							
2017-06-04							
2017-06-05							
2017-06-06							
2017-06-07							
2017-06-08							
2017-06-09							
2017-06-10							
2017-06-11							
2017-06-12							
2017-06-13							
2017-06-14							
2017-06-15							
2017-06-16							
2017-06-17							
2017-06-18							
2017-06-19							
2017-06-20							
2017-06-21							
2017-06-22							
2017-06-23							
2017-06-24							
2017-06-25							
2017-06-26							
2017-06-27							
2017-06-28							
2017-06-29							
2017-06-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andrew Rossiter	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-07-14 10:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NEORSD Westerly WWTP
LOCATION: 5800 Cleveland Memorial Shoreway NW
Cleveland, OH 44115

PERMIT NUMBER: ***3PE00001*PD***
MONITORING PERIOD : **2017-06-01** To: **2017-06-30**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	CBOD 5 day	80082	2017-06-19	mg/l	BLANKS DID NOT MEET QC CRITERIA
002	E. coli	31648	2017-06-30	#/100 ml	SAMPLE RECEIVED PAST HOLD TIME
585	Arsenic, Total In Sludge	01003	2017-06-05	mg/kg	SAMPLE COLLECTED INCORRECTLY
585	Beryllium, Total In Sludge	01013	2017-06-05	mg/kg	SAMPLE COLLECTED INCORRECTLY
585	Cadmium, Total In Sludge	01028	2017-06-05	mg/kg	SAMPLE COLLECTED INCORRECTLY
585	Chromium, Total In Sludge	01029	2017-06-05	mg/kg	SAMPLE COLLECTED INCORRECTLY
585	Lead, Total In Sludge	01052	2017-06-05	mg/kg	SAMPLE COLLECTED INCORRECTLY
585	Nickel, Total In Sludge	01068	2017-06-05	mg/kg	SAMPLE COLLECTED INCORRECTLY
585	Mercury, Total In Sludge	71921	2017-06-05	mg/kg	SAMPLE COLLECTED INCORRECTLY
601	CBOD 5 day	80082	2017-06-18	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-06-19	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-06-22	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-06-26	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-06-27	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2017-06-29	mg/l	BLANKS DID NOT MEET QC CRITERIA

CSO & Stream Assessment Annual Report

2016

Northeast Ohio Regional Sewer District

COMBINED SEWER OVERFLOW

& STREAM ASSESSMENT

ANNUAL REPORT

2016

NPDES PERMIT 3PA00002*HD

April 27, 2017

Table of Contents

1.0 Introduction 1
2.0 CSO Activations & Volumes 1
2.1 Precipitation Data 1
Figure 1 – District Rain Gauge Network 2
2.2 CSO Models 3
2.3 2016 CSO Volumes & Activations 4
2.4 Typical Year Rainfall Data 9
2.5 Comparison of 2016 Rainfall Data & Typical Year Rainfall Data 13
2.6 Typical Year CSO Volumes & Activations 15
2.7 Evaluation of CSO Volumes & Activations 19
3.0 Nine Minimum Control Program Modifications 19
4.0 Stream Assessment Results 20

Attachments

A 2016 Observed Rainfall Statistics by District Rain Gauge
B Thiessen Polygon Tool in ArcGIS to Spatially Distribute Rain Gauge Data
C 2016 Qualitative Habitat Evaluation Index Sheets
D 2016 Macroinvertebrate Field Sheets and Results
E 2016 Fish Data Sheets
F 2016 Water Chemistry Results
G 2016 Surface Water Condition Sampling Field Sheets

1.0 Introduction

Part II, Section K of the Combined Sewer Overflow (CSO) National Pollution Discharge Elimination System (NPDES) Permit 3PA00002*HD requires that the Northeast Ohio Regional Sewer District (District) submit an annual report. The purpose of this report is to provide CSO volumes and activations for all permitted CSO locations in the District's combined sewer system (CSS) during the previous calendar year (January 1, 2016 through December 31, 2016). A select group of permitted CSO outfalls were monitored during the entire or portion of this period in accordance with Part I, B of Permit 3PA00002*HD. Model-estimated CSO volumes and activations were used to supplement the annual reporting for permitted CSO outfalls not monitored for the entire or portion of 2016. This report provides a summary of the CSO performance for the previous calendar year, changes to the Nine Minimum Control (NMC) program, and the data collected during stream assessment activities.

The Plan is organized into three (3) major sections:

- CSO Activations & Volumes (Section 2)
- Nine Minimum Control Program Modifications (Section 3)
- Stream Assessment Results (Section 4)

2.0 CSO Activations & Volumes

This section presents the CSO activations and associated volumes, which includes monitored data as well as model-estimated volumes and activations for all permitted CSO locations in the District's combined sewer system (CSS) from January 1, 2016 through December 31, 2016. The modeled estimates are developed using the District's current baseline conditions models and are intended to supplement periods and/or locations where flow monitoring data was not collected. A summary of the modeling approach used to estimate the CSO statistics is provided as follows.

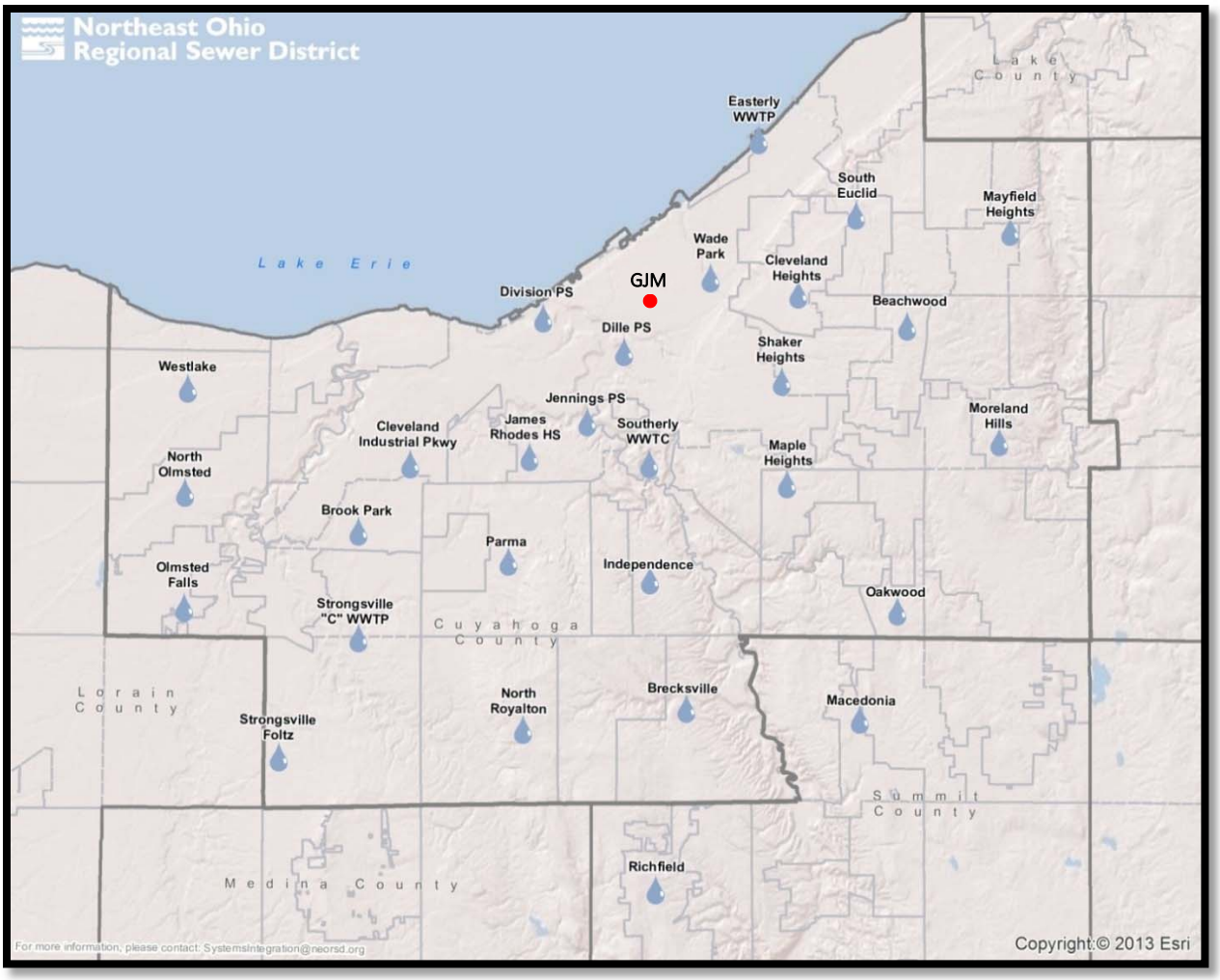
2.1 Precipitation Data

The District owns and maintains a network of 28 permanent rainfall gauges as shown in **Figure 1**. Rainfall data was collected in 1-minute intervals from January 1, 2016 through December 31, 2016. **Table 1** lists the total rainfall depths per rain gauge, as well as the rainfall profile ID assigned to each rain gauge in the baseline conditions model. The Cleveland Heights rain gauge was moved to a nearby open area due to building construction. The Wade Park rain gauge was out of service in 2016 due to building construction. The District installed a portable rain gauge on the roof of its Administration building located at 3900 Euclid Avenue in place of the Wade Park gauge. In 2017, the District plans to install a permanent rain gauge at the Administration building and to reinstall the Wade Park rain gauge on the roof of the Natural History Museum when construction is complete. Rainfall statistics for each rain gauge were developed using the Sanitary Sewer Overflow Analysis and Programming (SSOAP) Toolbox program developed by the United States Environmental Protection Agency (EPA). An inter-event duration of 12 hours was used to define individual rainfall events. Rainfall statistics (total rainfall depth, duration, peak 1-hour intensity, and antecedent moisture conditions per event) for each rain gauge are provided in **Attachment A**.

Rainfall data was spatially distributed using the Thiessen Polygon tool available in ESRI's ArcGIS. Respective rain gauge hyetographs were assigned to entire subcatchments if the centroid of the subcatchment delineation was located within a particular Thiessen polygon. A more detailed description of how the rainfall data was spatially distributed is provided in Attachment B.

The statistics for each CSO service area were generated using the built-in statistics report tool in InfoWorks Integrated Catchment Modeling (ICM). The ICM statistics template was developed for each baseline conditions model with the "combine events where gap is less than" duration set equal to 12 hours to define overflow activations at each modeled overflow element. Overflow activations occurring within 12 hours of each other were counted as one single overflow activation.

Figure 1 – District Rain Gauge Network



Note Wade Park out of service; portable rain gauge installed on roof of District's GJM Building at 3900 Euclid Avenue.

Table 1. Total Rainfall Observed from January 1, 2016 - December 31, 2016

Rain Gauge	Total Rainfall Depth (in)	Rainfall Profile
Beachwood	33.34	16
Brecksville	36.94	17
Brook Park	37.91	27
Cleveland Heights[1]	31.95	23
Cleveland Industrial Pkwy	35.10	25
Dille Ave PS	33.22	18
Division Ave PS	30.23	21
Easterly WWTP	31.56	24
GJM Building[2]	32.72	7
Independence	38.10	13
James Rhodes HS	35.54	22
Jennings PS	37.22	28
Macedonia	36.45	19
Maple Heights	33.67	9
Mayfield Heights	37.20	8
Moreland Hills	43.02	11
North Olmsted	35.46	3
North Royalton	36.34	5
Oakwood	33.63	14
Olmsted Falls	37.11	10
Parma	37.44	20
Richfield	35.33	2
Shaker Heights	33.02	12
South Euclid	35.92	6
Southerly WWTC	30.79	4
Strongsville	31.96	26
Strongsville Foltz	36.77	1
Westlake	37.44	15

[1]The District's permanent rain gauge has been out of service since 4/22/2015 due to construction near the gauge. A temporary gauge was located nearby during out of service period.

[2]The Wade Park rain gauge was removed from service on 12/11/2015 due to building construction. A temporary gauge was located at the District's administration building at 3900 Euclid Avenue, Cleveland.

2.2 CSO Models

The District owns and actively maintains six (6) baseline condition models to reflect current conditions in the CSS (Table 2). Baseline conditions assumes modulating devices, such as control gates, inflatable dams, and pumps, are operating as designed or last field verified, and sewers are clean and free of debris unless known sedimentation issues have been documented and removal determined to be cost prohibitive. The models and simulation results presented here for 2016 were developed using the Innovyze's InfoWorks

ICM 4.5 (Version 4.5.1.9010 Unicode January 2014) modeling software platform, using continuous simulation of 5-minute rainfall data, except for the Big Creek Model in which 1-hour rainfall data was used. Continuous simulation takes antecedent soil moisture conditions into account when predicting overflows. Therefore, continuous simulation is a more conservative approach to modeling compared to discrete event simulation which runs storm events independently. Additionally, it's important to note that the models were run using 5-minute data which is also more conservative than averaged hourly data which was used to generate the Typical Year results. For purposes of comparison, the Typical Year results are presented in Table 6 and were based on discrete simulations of averaged hourly rainfall data.

Table 2. District's Baseline Condition Models

Baseline Conditions Model	Model Version
Big Creek	BCBL201611MM
Easterly	ESBL201612MM
Heights-Hilltop	HHIOEP201403MM
Mill Creek	MCCS201512MM
Southerly	SOBL201606MM
Westerly	WEBL201610MM

2.3 2016 CSO Volumes & Activations

In accordance with the District's CSO NPDES permit 3PA00002*HD, the District monitors the CSOs listed in Table 3.

Table 3. Monitored CSOs

Outfall Name
CSO 025
CSO 035
CSO 038
CSO 040
CSO 044
CSO 045[1]
CSO 056
CSO 058
CSO 059
CSO 069
CSO 072
CSO 080

Outfall Name
CSO 088
CSO 200
CSO 202
CSO 206
CSO 211
CSO 218
CSO 239
CSO 242
CSO 258

[1]*Reporting of field monitoring data from this location whenever possible.*

Model-estimated CSO volumes and activations were quantified using the latest versions of the District's collection system models (**Table 2**) to supplement the monitoring data for all CSO outfalls contained in NPDES permit. Total annual CSO volumes and activations for the January 1, 2016 through December 31, 2016 period are presented in **Table 4**. Total annual CSO performance at CSOs not monitored are based on model results following the approach described in Section 2.2 above for the full 2016 period. Total annual CSO performance at CSOs that were monitored for the entire or partial 2016 period are a composite of the model-estimates and monitoring results in which time periods were not overlapped.

Table 4. 2016 CSO Volumes & Activations

Outfall Name	Baseline Conditions Model	Model-Estimated		Monitored		Annual Total	
		# of Overflows	Volume (MG)	# of Overflows	Volume (MG)	# of Overflows	Volume (MG)
CSO 007	Mill Creek	0	0	N/A	N/A	0	0
CSO 013	Mill Creek	0	0	N/A	N/A	0	0
CSO 014	Mill Creek	0	0	N/A	N/A	0	0
CSO 017	Mill Creek	0	0	N/A	N/A	0	0
CSO 019	Mill Creek	3	0.1	N/A	N/A	3	0.1
CSO 020	Mill Creek	0	0	N/A	N/A	0	0
CSO 021	Mill Creek	0	0	N/A	N/A	0	0
CSO 022	Mill Creek	3	0.1	N/A	N/A	3	0.1
CSO 025	Mill Creek	N/A	N/A	0	0	0	0
CSO 027	Mill Creek	3	0.1	N/A	N/A	3	0.1
CSO 028	Mill Creek	0	0	N/A	N/A	0	0
CSO 030	Mill Creek	0	0	N/A	N/A	0	0
CSO 031	Mill Creek	0	0	N/A	N/A	0	0
CSO 032	Mill Creek	0	0	N/A	N/A	0	0

Outfall Name	Baseline Conditions Model	Model-Estimated		Monitored		Annual Total	
		# of Overflows	Volume (MG)	# of Overflows	Volume (MG)	# of Overflows	Volume (MG)
CSO 033	Southerly	19	3.3	N/A	N/A	19	3.3
CSO 035	Southerly	N/A	N/A	25	3.3	25	3.3
CSO 036	Southerly	62	345.0	N/A	N/A	62	345.0
CSO 037	Southerly	0	0	N/A	N/A	0	0
CSO 038	Southerly	N/A	N/A	0	0	0	0
CSO 039	Southerly	36	9.8	N/A	N/A	36	9.8
CSO 040	Southerly	N/A	N/A	72	189.5	72	189.5
CSO 043	Big Creek	0	0	N/A	N/A	0	0
CSO 044	Big Creek	N/A	N/A	5	0.1	5	0.1
CSO 045[1]	Big Creek	10	4.9	0	0	10	4.9
CSO 050	Big Creek	13	0.6	N/A	N/A	13	0.6
CSO 051	Big Creek	27	15.3	N/A	N/A	27	15.3
CSO 052	Big Creek	1	0.02	N/A	N/A	1	0.02
CSO 053	Big Creek	44	28.1	N/A	N/A	44	28.1
CSO 054	Big Creek	28	14.9	N/A	N/A	28	14.9
CSO 055	Big Creek	2	0.1	N/A	N/A	2	0.1
CSO 056	Big Creek	N/A	N/A	41	44.0	41	44.0
CSO 057	Big Creek	58	203.8	N/A	N/A	58	203.8
CSO 058	Big Creek	N/A	N/A	36	78.5	36	78.5
CSO 059	Big Creek	N/A	N/A	13	27.4	13	27.4
CSO 060	Big Creek	0	0	N/A	N/A	0	0
CSO 062[2]	Big Creek	AH	AH	N/A	N/A	AH	AH
CSO 063	Big Creek	1	0.1	N/A	N/A	1	0.1
CSO 064	Westerly	5	0.2	N/A	N/A	5	0.2
CSO 065	Westerly	0	0	N/A	N/A	0	0
CSO 066	Westerly	0	0	N/A	N/A	0	0
CSO 067	Westerly	5	0.7	N/A	N/A	5	0.7
CSO 068	Westerly	42	15.6	N/A	N/A	42	15.6
CSO 069	Westerly	N/A	N/A	0	0	0	0
CSO 071	Westerly	0	0	N/A	N/A	0	0
CSO 072	Southerly	N/A	N/A	10	0.9	10	0.9
CSO 073	Easterly	37	36.4	N/A	N/A	37	36.4
CSO 074	Westerly	24	20.5	N/A	N/A	24	20.5
CSO 075	Westerly	4	0.7	N/A	N/A	4	0.7
CSO 076	Westerly	6	1.5	N/A	N/A	6	1.5
CSO 078	Westerly	23	4.3	N/A	N/A	23	4.3

Outfall Name	Baseline Conditions Model	Model-Estimated		Monitored		Annual Total	
		# of Overflows	Volume (MG)	# of Overflows	Volume (MG)	# of Overflows	Volume (MG)
CSO 079[3]	Westerly	0	0	N/A	N/A	0	0
CSO 080	Westerly	N/A	N/A	50	48.5	50	48.5
CSO 081	Westerly	8	0.6	N/A	N/A	8	0.6
CSO 082	Westerly	15	1.2	N/A	N/A	15	1.2
CSO 083	Westerly	9	0.2	N/A	N/A	9	0.2
CSO 084	Westerly	3	0.1	N/A	N/A	3	0.1
CSO 085	Westerly	4	0.1	N/A	N/A	4	0.1
CSO 086	Westerly	30	9.3	N/A	N/A	30	9.3
CSO 087	Westerly	44	22.7	N/A	N/A	44	22.7
CSO 088[4]	Westerly	3	0.3	38	12.1	41	12.4
CSO 089	Westerly	8	0.3	N/A	N/A	8	0.3
CSO 090	Easterly	38	7.3	N/A	N/A	38	7.3
CSO 091	Easterly	0	0	N/A	N/A	0	0
CSO 092	Easterly	1	0.03	N/A	N/A	1	0.03
CSO 093	Easterly	3	0.1	N/A	N/A	3	0.1
CSO 094	Easterly	39	41.1	N/A	N/A	39	41.1
CSO 095	Easterly	10	15.8	N/A	N/A	10	15.8
CSO 096	Easterly	21	12.2	N/A	N/A	21	12.2
CSO 097	Easterly	18	3.5	N/A	N/A	18	3.5
CSO 098	Easterly	56	17.2	N/A	N/A	56	17.2
CSO 099	Easterly	6	2.2	N/A	N/A	6	2.2
CSO 200	Easterly	N/A	N/A	10	9.2	10	9.2
CSO 201	Easterly	43	20.8	N/A	N/A	43	20.8
CSO 202	Easterly	N/A	N/A	29	7.8	29	7.8
CSO 203	Easterly	22	19.0	N/A	N/A	22	19.0
CSO 204	Easterly	50	143.5	N/A	N/A	50	143.5
CSO 205	Easterly	54	41.3	N/A	N/A	54	41.3
CSO 206	Easterly	N/A	N/A	22	32.6	22	32.6
CSO 207	Easterly	0	0	N/A	N/A	0	0
CSO 208	Easterly	30	6.5	N/A	N/A	30	6.5
CSO 209	Easterly	56	69.4	N/A	N/A	56	69.4
CSO 210	Easterly	42	57.2	N/A	N/A	42	57.2
CSO 211	Easterly	N/A	N/A	64	33.8	64	33.8
CSO 212	Easterly	13	1.4	N/A	N/A	13	1.4
CSO 214	Easterly	46	32.1	N/A	N/A	46	32.1

Outfall Name	Baseline Conditions Model	Model-Estimated		Monitored		Annual Total	
		# of Overflows	Volume (MG)	# of Overflows	Volume (MG)	# of Overflows	Volume (MG)
CSO 215	Easterly	7	0.7	N/A	N/A	7	0.7
CSO 216	Easterly	3	0.2	N/A	N/A	3	0.2
CSO 217	Easterly	37	6.3	N/A	N/A	37	6.3
CSO 218	Easterly	N/A	N/A	45	8.5	45	8.5
CSO 219	Easterly	44	3.5	N/A	N/A	44	3.5
CSO 220	Easterly	24	16.9	N/A	N/A	24	16.9
CSO 221[5]	Easterly	51	23.6	N/A	N/A	51	23.6
CSO 222	Easterly	47	141.8	N/A	N/A	47	141.8
CSO 223	Easterly	0	0	N/A	N/A	0	0
CSO 224	Easterly	36	11.1	N/A	N/A	36	11.1
CSO 225	Easterly	1	0.02	N/A	N/A	1	0.02
CSO 226	Easterly	2	0.04	N/A	N/A	2	0.04
CSO 230	Easterly	80	105.8	N/A	N/A	80	105.8
CSO 231	Easterly	34	41.4	N/A	N/A	34	41.4
CSO 232	Easterly	AH	AH	AH	AH	AH	AH
CSO 233	Big Creek	64	21.3	N/A	N/A	64	21.3
CSO 234	Easterly	71	53.6	N/A	N/A	71	53.6
CSO 235	Easterly	13	0.8	N/A	N/A	13	0.8
CSO 236[5]	Easterly	8	0.5	N/A	N/A	8	0.5
CSO 238	Big Creek	0	0	N/A	N/A	0	0
CSO 239	Easterly	N/A	N/A	75	80.6	75	80.6
CSO 240	Westerly	5	0.1	N/A	N/A	5	0.1
CSO 241	Big Creek	0	0	N/A	N/A	0	0
CSO 242	Easterly	N/A	N/A	9	10.4	9	10.4
CSO 243	Mill Creek	4	0.1	N/A	N/A	4	0.1
CSO 245	Mill Creek	0	0	N/A	N/A	0	0
CSO 246	Mill Creek	0	0	N/A	N/A	0	0
CSO 247	Mill Creek	1	0.01	N/A	N/A	1	0.01
CSO 249	Mill Creek	3	0.1	N/A	N/A	3	0.1
CSO 250	Southerly	0	0	N/A	N/A	0	0
CSO 252	Mill Creek	2	0.1	N/A	N/A	2	0.1
CSO 253[6]	Westerly	4	0.3	N/A	N/A	4	0.3
CSO 254[7]	Big Creek	AH	AH	N/A	N/A	AH	AH
CSO 255	Big Creek	13	2.0	N/A	N/A	13	2.0
CSO 256	Easterly	6	0.5	N/A	N/A	6	0.5

Outfall Name	Baseline Conditions Model	Model-Estimated		Monitored		Annual Total	
		# of Overflows	Volume (MG)	# of Overflows	Volume (MG)	# of Overflows	Volume (MG)
CSO 257	Big Creek	0	0	N/A	N/A	0	0
CSO 258	Mill Creek	N/A	N/A	0	0	0	0
Total		1,688	1,662.32	544	587.20	2,232	2,249.52

[1]Modeled data was used for reporting purposes in 2016 due to various issues at this site.
[2]Modeling data is not available for CSO 062.
[3]CSO 079 was bulkheaded in May 2016 and no longer receives sanitary flow. CSO outfall will be removed from NPDES Permit.
[4]Modeled data was used for reporting on June 4, 2016 and June 16, 2016 due to an out of service monitor.
[5]CSO 236 was permanently bulkheaded on November 10, 2016. These flows have been rerouted to CSO 221. CSO 236 will be removed from NPDES Permit.
[6]CSO 253 was bulkheaded in March 2016 and no longer receives sanitary flow. CSO outfall will be removed from NPDES Permit.
[7]Associated regulators and tributary area to CSO 254 are not represented in model. Model representation is scheduled to be expanded.

In the December 2016 eDMR report, CSO 062 was reported with the AH code since modeling data is not currently available for this outfall. The regulator associated with CSO 062 (BC 74) is in the process of being abandoned. The current baseline conditions model reflects abandonment of regulator BC-74 and, therefore, is not capable of providing model-estimated CSO volume or activation results. Water quality testing is currently being performed to confirm upstream sewer separation efforts. The District is continuing to work with the City of Cleveland to address illicit discharges to this sewer before removing BC-74 and eliminating CSO 062. If the separation efforts are found to be unsuccessful in eliminating the upstream sanitary flows, the baseline conditions model will be revised accordingly for future reporting purposes while the District continues to address the illicit discharge issue.

2.4 Typical Year Rainfall Data

Table 5 presents the 121 rainfall events that comprise the District's synthetic Typical Year for the period of January 1st through December 31st.

Table 5. Rainfall Events for Typical Year (January – December)

Storm Number	Date	Depth (Inches)	Duration (Hours)	Average Intensity (In/Hr)	Max Intensity (In/Hr)
1	1/3/1991	0.01	1	0.01	0.01
2	1/5/1991	0.18	10	0.02	0.03
3	1/9/1991	0.03	2	0.01	0.02
4	1/11/1991	0.39	19	0.02	0.09
5	1/12/1991	0.04	21	<0.01	0.01
6	1/15/1991	0.33	8	0.04	0.08
7	1/16/1991	0.17	10	0.02	0.03
8	1/20/1991	0.53	30	0.02	0.05
9	1/26/1991	0.03	10	<0.01	0.01
10	1/27/1991	0.08	4	0.02	0.03

Storm Number	Date	Depth (Inches)	Duration (Hours)	Average Intensity (In/Hr)	Max Intensity (In/Hr)
11	1/29/1991	0.37	11	0.03	0.1
12	1/30/1991	0.01	1	0.01	0.01
13	1/31/1991	0.01	1	0.01	0.01
14	2/5/1991	0.01	1	0.01	0.01
15	2/6/1991	0.1	9	0.01	0.02
16	2/10/1991	0.73	20	0.04	0.09
17	2/13/1991	1.53	59	0.03	0.16
18	2/16/1991	0.18	14	0.01	0.04
19	2/18/1991	0.08	13	0.01	0.04
20	2/19/1991	0.29	7	0.04	0.1
21	2/26/1991	0.08	40	<0.01	0.01
22	2/28/1991	0.04	4	0.01	0.02
23	3/2/1991	0.06	14	<0.01	0.02
24	3/3/1991	0.7	24	0.03	0.1
25	3/6/1991	0.83	14	0.06	0.13
26	3/9/1991	0.07	2	0.04	0.05
27	3/10/1991	0.08	4	0.02	0.03
28	3/17/1991	0.5	31	0.02	0.07
29	3/22/1991	0.32	4	0.08	0.18
30	3/22/1991	0.14	3	0.05	0.08
31	3/23/1991	0.23	10	0.02	0.06
32	3/26/1991	0.02	1	0.02	0.02
33	3/27/1991	0.62	1	0.62	0.62
34	3/31/1991	0.07	6	0.01	0.03
35	4/1/1993	0.16	5	0.03	0.07
36	4/2/1993	0.06	12	<0.01	0.02
37	4/9/1993	0.77	16	0.05	0.09
38	4/11/1993	0.09	1	0.09	0.09
39	4/14/1993	0.03	2	0.02	0.02
40	4/15/1993	0.34	3	0.11	0.16
41	4/19/1993	0.27	13	0.02	0.11
42	4/20/1993	0.61	18	0.03	0.13
43	4/24/1993	0.03	2	0.02	0.02
44	4/25/1993	0.46	15	0.03	0.16
45	4/30/1993	0.1	6	0.02	0.03
46	5/4/1993	0.63	25	0.03	0.22
47	5/19/1993	0.15	6	0.03	0.07
48	5/23/1993	0.01	1	0.01	0.01
49	5/24/1993	0.08	6	0.01	0.04

Storm Number	Date	Depth (Inches)	Duration (Hours)	Average Intensity (In/Hr)	Max Intensity (In/Hr)
50	5/28/1993	0.03	2	0.02	0.02
51	5/31/1993	0.16	2	0.08	0.08
52	6/3/1993	0.07	2	0.04	0.04
53	6/5/1993	0.37	6	0.06	0.25
54	6/7/1993	1.56	9	0.17	0.67
55	6/9/1993	0.21	1	0.21	0.21
56	6/9/1993	0.24	1	0.24	0.24
57	6/19/1993	0.31	2	0.16	0.22
58	6/20/1993	0.54	26	0.02	0.15
59	6/25/1993	0.08	1	0.08	0.08
60	6/27/1993	0.94	1	0.94	0.94
61	7/1/1993	0.05	4	0.01	0.02
62	7/3/1993	0.01	1	0.01	0.01
63	7/4/1993	0.44	1	0.44	0.44
64	7/6/1993	0.47	1	0.47	0.47
65	7/11/1993	0.35	3	0.12	0.24
66	7/19/1993	0.14	2	0.07	0.13
67	7/26/1993	0.04	2	0.02	0.02
68	7/28/1993	1.08	9	0.12	0.72
69	7/29/1993	0.67	3	0.22	0.31
70	8/2/1993	0.42	2	0.21	0.41
71	8/3/1993	0.42	10	0.04	0.2
72	8/6/1993	0.1	4	0.03	0.06
73	8/7/1993	0.13	1	0.13	0.13
74	8/10/1993	0.02	2	0.01	0.01
75	8/11/1993	0.24	4	0.06	0.23
76	8/12/1993	0.02	1	0.02	0.02
77	8/16/1993	0.07	1	0.07	0.07
78	8/20/1993	0.01	1	0.01	0.01
79	8/28/1993	0.06	1	0.06	0.06
80	8/31/1993	0.03	6	0.01	0.02
81	9/2/1993	1.02	21	0.05	0.67
82	9/6/1993	0.35	1	0.35	0.35
83	9/7/1993	0.01	1	0.01	0.01
84	9/10/1993	0.01	1	0.01	0.01
85	9/10/1993	0.01	1	0.01	0.01
86	9/15/1993	2.38	16	0.15	0.4
87	9/22/1993	0.12	16	0.01	0.05
88	9/25/1993	1.63	20	0.08	0.29

Storm Number	Date	Depth (Inches)	Duration (Hours)	Average Intensity (In/Hr)	Max Intensity (In/Hr)
89	9/27/1993	0.15	9	0.02	0.06
90	9/28/1993	0.23	3	0.08	0.12
91	9/29/1993	0.97	17	0.06	0.24
92	10/1/1993	0.01	1	0.01	0.01
93	10/1/1993	0.58	6	0.10	0.22
94	10/9/1993	0.43	13	0.03	0.13
95	10/16/1993	0.6	16	0.04	0.18
96	10/19/1993	0.04	1	0.04	0.04
97	10/20/1993	0.04	6	0.01	0.02
98	10/27/1993	0.15	4	0.04	0.1
99	10/30/1993	1.67	39	0.04	0.12
100	11/1/1991	0.01	1	0.01	0.01
101	11/7/1991	0.12	12	0.01	0.02
102	11/11/1991	0.69	7	0.1	0.14
103	11/12/1991	0.21	12	0.02	0.06
104	11/15/1991	0.62	31	0.02	0.1
105	11/18/1991	0.3	21	0.01	0.1
106	11/20/1991	0.46	19	0.02	0.14
107	11/23/1991	0.24	3	0.08	0.12
108	11/24/1991	0.03	8	0	0.01
109	11/25/1991	0.01	1	0.01	0.01
110	11/28/1991	0.19	8	0.02	0.05
111	11/30/1991	0.04	1	0.04	0.04
112	12/2/1991	1.19	17	0.07	0.29
113	12/3/1991	0.06	11	0.01	0.02
114	12/12/1991	0.16	17	0.01	0.06
115	12/14/1991	0.15	6	0.03	0.12
116	12/15/1991	0.07	16	0	0.01
117	12/18/1991	0.02	2	0.01	0.01
118	12/18/1991	0.03	16	0	0.01
119	12/20/1991	0.22	8	0.03	0.07
120	12/23/1991	0.1	6	0.02	0.03
121	12/28/1991	0.26	35	0.01	0.03
	Total	**37.51**			

Individual rainfall events paired together for back-to-back/continuous simulations

2.5 Comparison of 2016 Rainfall Data & Typical Year Rainfall Data

The area-weighted average 2016 precipitation data (Section 2.1) was used to compare the precipitation events of the District's synthetic Typical Year (Section 2.4). It is important to note that the District's Typical Year is based on hourly rainfall data and for the purpose of comparing the observed 2016 rainfall to the Typical Year rainfall, the 5-minute data was averaged into hourly data. **Figure 2** compares the cumulative depth of precipitation associated between the observed 2016 gauge data and Typical Year. Based on the area-weighted rainfall, 2016 cumulative rainfall is 33.7 inches, 3.8 inches less than the Typical Year. Specific observations from the Typical Year and 2016 cumulative precipitation graph (**Figure 2**) show:

- Lower cumulative precipitation depth for the 2016 data from January to late April.
- Slightly higher cumulative precipitation depth from late April to middle of June.
- Significantly lower cumulative precipitation depth for the rest of 2016.

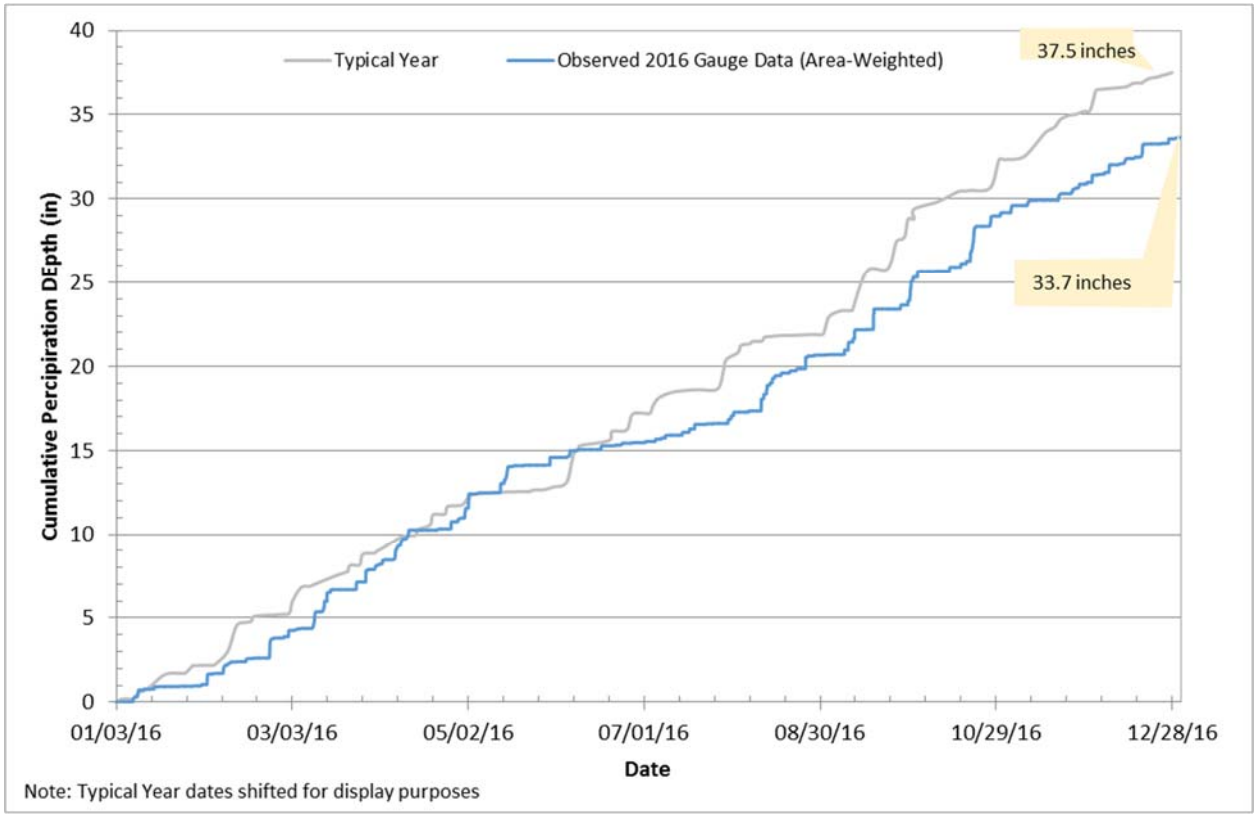
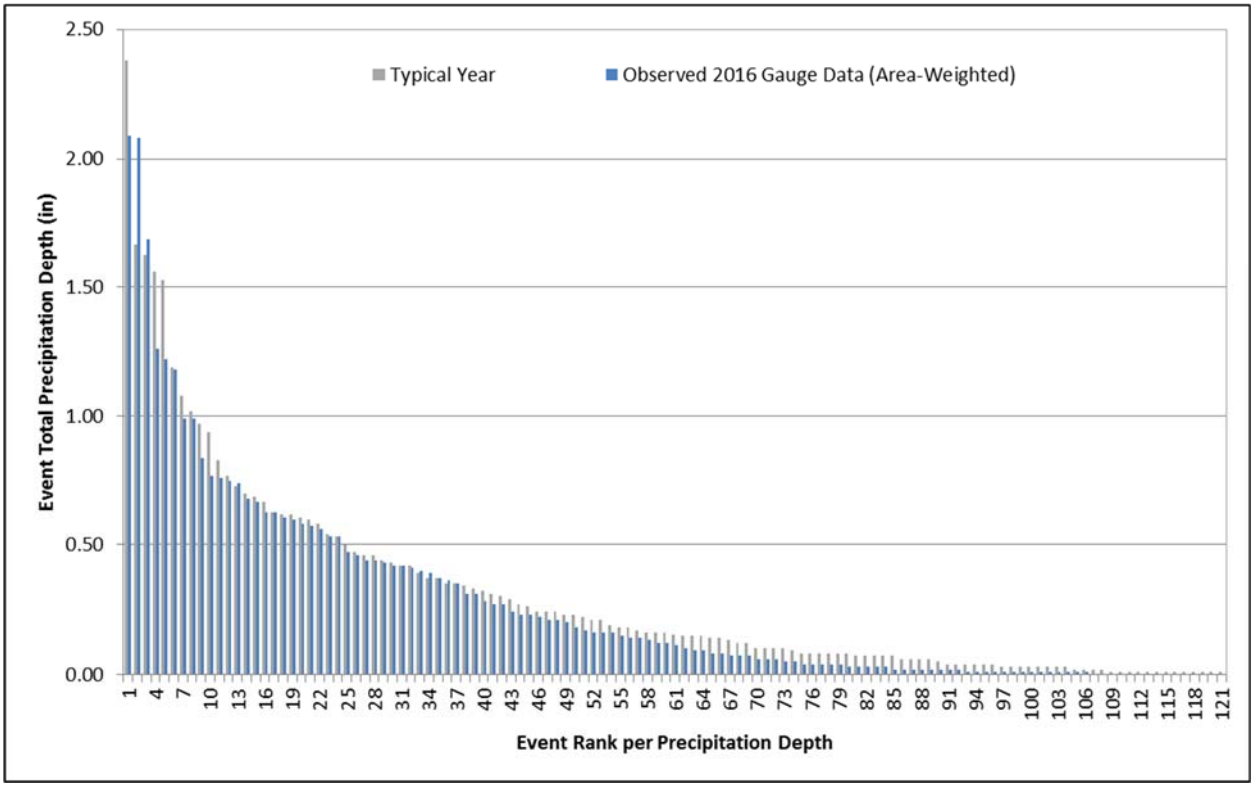


Figure 2. Comparison of Cumulative Precipitation Depth

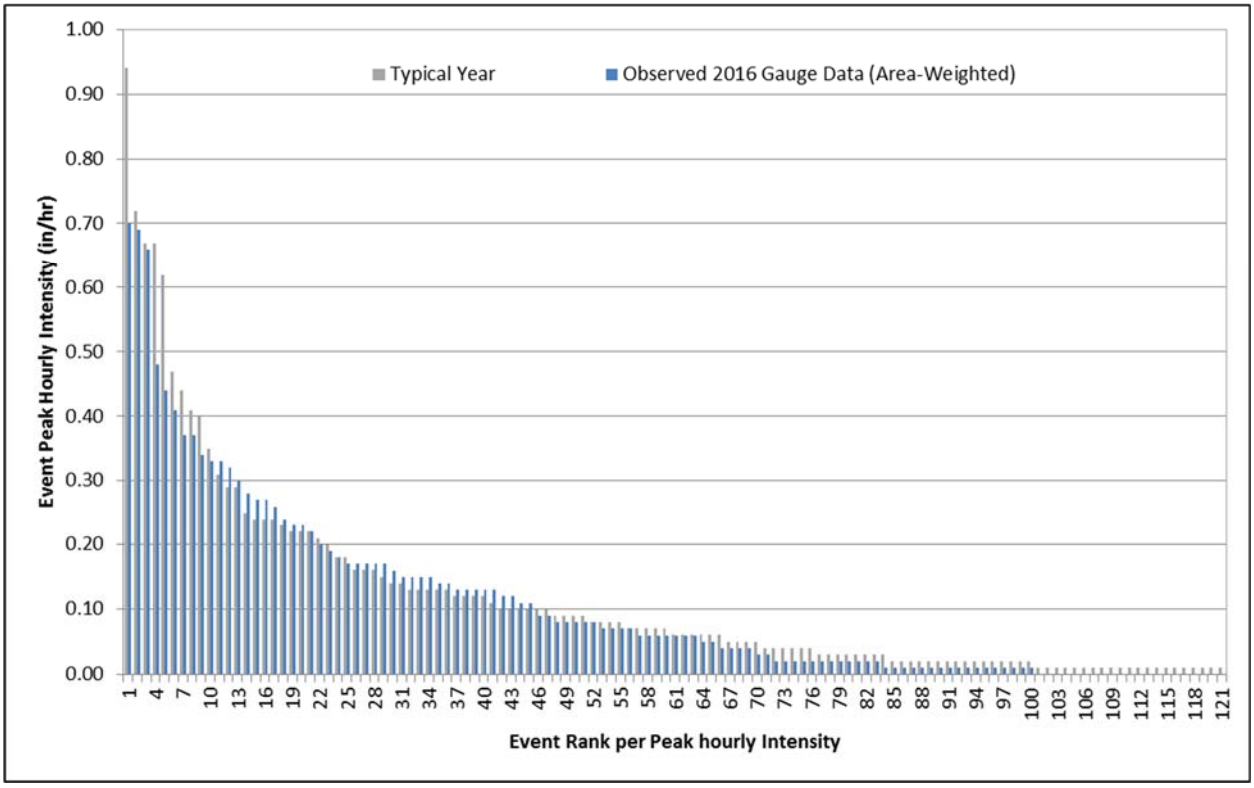
The 2016 area-weighted precipitation data was processed using USEPA-SSOAP software program to segregate the 5-minute continuous precipitation record into discrete events. A 12-hour inter-event dry weather duration was used to segregate events. This analysis resulted in 106 discrete events ranging in total depth from 0.01 inch to 2.09 inch. The total precipitation depths for the 2016 period was less compared to the Typical Year events by ranking the events from largest to smallest, as shown in **Figure 3**.

Figure 3. Precipitation Events Ranked by Total Depth



The peak hourly intensity per event was also ranked and compared between the observed (converted to hourly), area-weighted 2016 precipitation and Typical Year events as shown in Figure 4 below. Overall, the 2016 peak hourly intensities were lower compared to the Typical Year events, especially for the top 10 events. These 2016 peak hourly intensities are based upon taking the actual 5-minute data and averaging it into hourly data, which can lessen peak intensities.

Figure 4. Precipitation Events Ranked by Peak Hourly Intensity



2.6 Typical Year CSO Volumes & Activations

Table 6 presents model-estimated CSO volumes and activations under baseline conditions for the District's synthetic Typical Year for all 121 events.

Table 6. Typical Year CSO Volumes & Activations

Outfall Name	# of Overflows	Volume (MG)	Baseline Conditions Model
CSO 007	0	0	Mill Creek
CSO 013	0	0	Mill Creek
CSO 014	0	0	Mill Creek
CSO 017	0	0	Mill Creek
CSO 019	0	0	Mill Creek
CSO 020	0	0	Mill Creek
CSO 021	0	0	Mill Creek
CSO 022	2	0.1	Mill Creek
CSO 025	0	0	Mill Creek
CSO 027	3	0.1	Mill Creek
CSO 028	0	0	Mill Creek
CSO 030	0	0	Mill Creek
CSO 031	0	0	Mill Creek

Outfall Name	# of Overflows	Volume (MG)	Baseline Conditions Model
CSO 032	0	0	Mill Creek
CSO 033	9	2.1	Southerly
CSO 035	58	37.5	Southerly
CSO 036	63	450.2	Southerly
CSO 037	0	0	Southerly
CSO 038	0	0	Southerly
CSO 039	31	8.7	Southerly
CSO 040	112	481.7	Southerly
CSO 043	0	0	Big Creek
CSO 044	2	0.1	Big Creek
CSO 045	15	9.2	Big Creek
CSO 050	9	1.0	Big Creek
CSO 051	18	27.8	Big Creek
CSO 052	0	0	Big Creek
CSO 053	36	30.8	Big Creek
CSO 054	19	16.4	Big Creek
CSO 055	5	0.7	Big Creek
CSO 056	48	89.8	Big Creek
CSO 057	56	222.9	Big Creek
CSO 058	64	190.9	Big Creek
CSO 059	15	12.7	Big Creek
CSO 060	0	0	Big Creek
CSO 062	0	0	Big Creek
CSO 063	1	0.1	Big Creek
CSO 064	3	0.1	Westerly
CSO 065	0	0	Westerly
CSO 066	0	0	Westerly
CSO 067	3	0.3	Westerly
CSO 068	40	14.4	Westerly
CSO 069	0	0	Westerly
CSO 071	0	0	Westerly
CSO 072	1	0.1	Southerly
CSO 073	27	41.6	Easterly
CSO 074	21	23.2	Westerly
CSO 075	7	2.5	Westerly
CSO 076	8	1.8	Westerly
CSO 078	21	5.6	Westerly

Outfall Name	# of Overflows	Volume (MG)	Baseline Conditions Model
CSO 079	0	0	Westerly
CSO 080	42	308.5	Westerly
CSO 081	1	<0.1	Westerly
CSO 082	9	0.6	Westerly
CSO 083	1	<0.1	Westerly
CSO 084	0	0	Westerly
CSO 085	2	0.3	Westerly
CSO 086	25	10.5	Westerly
CSO 087	36	18.9	Westerly
CSO 088	37	9.3	Westerly
CSO 089	6	0.2	Westerly
CSO 090	34	10.0	Easterly
CSO 091	0	0	Easterly
CSO 092	0	0	Easterly
CSO 093	0	0	Easterly
CSO 094	33	40.2	Easterly
CSO 095	7	5.1	Easterly
CSO 096	14	9.2	Easterly
CSO 097	13	1.7	Easterly
CSO 098	54	15.7	Easterly
CSO 099	1	0.1	Easterly
CSO 200	81	163.0	Easterly
CSO 201	31	14.6	Easterly
CSO 202	52	126.2	Easterly
CSO 203	15	8.2	Easterly
CSO 204	48	138.7	Easterly
CSO 205	54	41.4	Easterly
CSO 206	66	160.7	Easterly
CSO 207	0	0	Easterly
CSO 208	28	7.4	Easterly
CSO 209	56	80.9	Easterly
CSO 210	43	64.5	Easterly
CSO 211	82	184.5	Easterly
CSO 212	10	1.2	Easterly
CSO 214	47	33.3	Easterly
CSO 215	0	0	Easterly
CSO 216	0	0	Easterly

Outfall Name	# of Overflows	Volume (MG)	Baseline Conditions Model
CSO 217	37	5.7	Easterly
CSO 218	48	87.0	Easterly
CSO 219	38	2.7	Easterly
CSO 220	18	21.4	Easterly
CSO 221	52	28.6	Easterly
CSO 222	45	189.7	Easterly
CSO 223/224	29	8.9	Easterly
CSO 225	3	0.1	Easterly
CSO 226	1	<0.1	Easterly
CSO 230	76	111.5	Easterly
CSO 231	67	31.9	Easterly
CSO 232	62	76.3	Easterly
CSO 233	65	22.9	Big Creek
CSO 234	67	65.6	Easterly
CSO 235	12	1.4	Easterly
CSO 236	1	0.0	Easterly
CSO 238	5	0.3	Big Creek
CSO 239	45	24.2	Easterly
CSO 240	5	0.1	Westerly
CSO 241	0	0	Big Creek
CSO 242	17	90.0	Easterly
CSO 243	2	<0.1	Mill Creek
CSO 245	0	0	Mill Creek
CSO 246	0	0	Mill Creek
CSO 247	0	0	Mill Creek
CSO 249	2	<0.1	Mill Creek
CSO 250	0	0	Southerly
CSO 252	2	0.1	Mill Creek
CSO 253	9	1.0	Westerly
CSO 254	(1)	(1)	Big Creek
CSO 255	13	4.4	Big Creek
CSO 256	5	0.2	Easterly
CSO 257	0	0	Big Creek
CSO 258	2	83.6	Mill Creek
Total		3,984.9	

[1]*Associated regulators and tributary area to CSO254 not represented in model. Model representation is scheduled to be expanded.*

2.7 Evaluation of CSO Volumes & Activations

Part II, Item K.3 of NPDES Permit 3PA00002*HD requires the District to provide *"an evaluation of whether the CSO activation volume and frequency for the previous year is in accordance with the estimates in the Facilities Plan(s) and/or Consent Decree, given the precipitation which occurred during the year, and the CSO abatement activities which have been implemented."* For purposes of the evaluation of whether the CSO activation volume and frequency for 2016 was in accordance with the Facilities Plan and/or Consent Decree, this exercise was performed for the majority of Mill Creek CSOs (CSO 019, 022, 027, 243, 247, 249, and 252) and West Creek CSO 063. In 2016, the Mill Creek Long Term Control Plan (LTCP) and Control Measure (CM) 24 – CSO 063 Relief and Consolidation Sewer (CSO063RCS) projects are the only CSO abatement projects in full operation.

Mill Creek CSOs

The Mill Creek LTCP was approved by Ohio EPA in 1997 and the implementation of the plan was completed in 2012 with the completion of the Mill Creek Tunnel (MCT) system. Due to the implementation status of the Mill Creek LTCP at the time of Consent Decree negotiations, Mill Creek projects/CSOs were not included in the Consent Decree. The Mill Creek LTCP allows for up to 5 overflows in a Typical Year to Mill Creek. Based on the continuous model simulation of the observed 2016 precipitation period, all twenty-two permitted CSOs to the Mill Creek were estimated as having less than 5 overflows. By design, the Mill Creek LTCP projects would control all but the largest five events in the District's Typical Year which exceed the design conveyance and/or storage capacities of the LTCP projects. The 2016 model-estimated activations meet the targeted CSO performance.

West Creek CSO 063

The Control Measure 24 Project for CSO 063 achieved full operation on November 11, 2014. Post-Construction Monitoring was implemented from December 29, 2014 through December 29, 2015 per Appendix 2 of the District's Consent Decree. Post-Construction monitoring successfully validated the District's CSO model for use in demonstrating CM 24 performance. For 2016, the Big Creek Model was simulated using the 2016 rainfall data reformatted into 1-hour intensities to correlate with the Typical Year design event. As demonstrated in the Table 4, the District is in compliance with the Consent Decree Performance Criteria for CSO 063 for one or fewer overflows in a Typical Year.

3.0 Nine Minimum Control Program Modifications

The District administers its Nine Minimum Controls Program through its CSO Operational Plan, which was updated and submitted to Ohio EPA in March 2016 as required in NPDES permit 3PA00002*HD. In 2016, the District increased its ability to remotely monitor its automatic regulators in the combined sewer system. In addition, the District continues to try to reduce the frequency and magnitude of wet weather overflows as well as prevent dry weather overflows by implementing the requirements of its CSO Operational Plan.

4.0 Stream Assessment Results

Part II., Section J. of NPDES Permit 3PA00002*HD requires the District to conduct biological, chemical and habitat assessments on each of the following receiving streams at least once during the 5-year permit cycle:

- Big Creek
- Cuyahoga River
- Doan Brook
- Euclid Creek
- Mill Creek
- Rocky River
- West Creek

In 2016, the District conducted biological, chemical, and habitat assessments on the Cuyahoga River, Big Creek, Doan Brook, Euclid Creek, and West Creek. The results of the biological and habitat assessments are provided in Table 7. The field data sheets that support the biological and habitat results are provided in Attachments C (Qualitative Habitat Evaluation Index (QHEI) field sheets), D (Macroinvertebrate field sheets and results) and E (Fish data sheets). The surface water quality chemistry results and surface water sampling field data sheets are located in Attachments F and G, respectively.

Table 7. 2016 Biological & Habitat Results

2016 Biological and Habitat Results									
		IBI		MIwb		ICI		QHEI	
Stream	Site	Score(s)	Narrative Rating	Score(s)	Narrative Rating	Score	Narrative Rating	Score	Narrative Rating
Cuyahoga River	12.1/11.95	38, 40	Marginally Good, Good	8.8, 8.4	Good, Marginally Good	30	Marginally Good	66.25	Good
Cuyahoga River	7.00	30, 36	Fair, Marginally Good	8.2, 8.1	Fair, Fair	32	Marginally Good	64.50	Good
Big Creek	4.40	30	Fair	---[1]	---[1]	---[2]	Marginally Good[3]	65.50	Good
Big Creek	0.15	24, 30	Poor, Fair	8.0, 7.2	Fair, Fair	---[2]	Poor[3]	69.50	Good
Doan Brook	6.70	24	Poor	---[1]	---[1]	4	Very Poor	69.50	Excellent
Doan Brook	0.75	32	Fair	---[1]	---[1]	16	Fair	51.00	Fair
Euclid Creek	1.65	26, 24	Poor, Poor	4.5, 5.2	Poor, Poor	38	Good	77.75	Excellent
Euclid Creek	0.55	36, 34	Marginally Good, Marginally Good	8.2, 7.8	Good, Marginally Good	16	Fair	65.25	Good
West Creek	2.10	28	Fair	---[1]	---[1]	26	Fair	73.00	Excellent
West Creek	0.20	32, 42	Fair, Good	---[1]	---[1]	---[2]	Marginally Good[3]	59.00	Good

[1]MIwb not applicable to sites with a drainage area <20mi^2

[2]Hester-Dendy sampler lost during colonization period; only qualitative sampling conducted

[3]Based on qualitative sample and best professional judgment

Attachment A

2016 Observed Rainfall Statistics by District Rain Gauge

Beachwood Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/8/2016 13:25	0.30	18.75	0.09	7.6
2	1/10/2016 3:05	0.40	10.75	0.07	0.8
3	1/12/2016 3:15	0.03	6.17	0.02	1.6
4	1/15/2016 20:10	0.16	6.92	0.08	3.4
5	1/17/2016 11:50	0.01	0.08	0.01	1.4
6	1/28/2016 20:45	0.05	7.25	0.03	11.4
7	1/31/2016 23:35	0.07	0.75	0.07	2.8
8	2/2/2016 21:55	0.59	8.50	0.17	1.9
9	2/4/2016 7:10	0.05	12.33	0.02	1.0
10	2/8/2016 10:05	0.39	14.33	0.10	3.6
11	2/9/2016 16:55	0.24	28.50	0.08	0.7
12	2/12/2016 19:05	0.01	0.08	0.01	1.9
13	2/15/2016 3:15	0.01	0.08	0.01	2.3
14	2/16/2016 2:20	0.21	7.08	0.06	1.0
15	2/17/2016 6:55	0.01	0.08	0.01	0.9
16	2/24/2016 4:45	1.04	35.67	0.32	6.9
17	2/29/2016 2:45	0.08	0.92	0.08	3.4
18	3/1/2016 15:10	0.30	5.08	0.13	1.5
19	3/3/2016 17:10	0.06	10.17	0.01	1.9
20	3/5/2016 16:35	0.02	2.83	0.01	1.6
21	3/9/2016 20:20	1.07	26.33	0.16	4.0
22	3/13/2016 5:25	0.51	19.50	0.15	2.3
23	3/14/2016 19:35	0.44	9.58	0.36	0.8
24	3/16/2016 1:15	0.08	0.92	0.08	0.8
25	3/16/2016 14:55	0.03	0.17	0.03	0.5
26	3/24/2016 18:20	0.50	5.08	0.39	8.1
27	3/28/2016 1:55	0.72	10.33	0.54	3.1
28	3/29/2016 0:20	0.01	0.08	0.01	0.5
29	3/31/2016 0:25	0.26	23.33	0.06	2.0
30	4/1/2016 16:15	0.07	1.50	0.06	0.7
31	4/2/2016 15:55	0.24	6.75	0.11	0.9
32	4/6/2016 14:35	0.93	37.5	0.21	3.7
33	4/8/2016 21:00	0.44	11.58	0.09	0.7
34	4/10/2016 22:25	0.57	20.33	0.16	1.6
35	4/21/2016 13:30	0.05	15.25	0.02	9.8
36	4/26/2016 3:30	0.36	1.67	0.27	3.9
37	4/28/2016 11:05	0.12	5.50	0.04	2.2

Beachwood Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
38	4/29/2016 6:40	0.02	1.83	0.01	0.6
39	4/30/2016 17:35	0.55	14.75	0.18	1.4
40	5/2/2016 1:30	0.64	3.83	0.31	0.7
41	5/4/2016 21:50	0.05	10.50	0.02	2.7
42	5/12/2016 22:50	0.41	4.75	0.19	7.6
43	5/14/2016 6:10	1.23	37.92	0.17	1.1
44	5/17/2016 5:05	0.05	4.08	0.03	1.4
45	5/21/2016 1:55	0.03	2.83	0.02	3.7
46	5/29/2016 21:25	0.41	0.83	0.41	8.7
47	6/4/2016 19:55	0.44	21.58	0.17	5.9
48	6/6/2016 21:10	0.03	0.42	0.03	1.2
49	6/8/2016 3:20	0.01	0.08	0.01	1.2
50	6/16/2016 7:30	0.15	6.08	0.14	8.2
51	6/23/2016 2:10	0.07	12.67	0.03	6.5
52	6/27/2016 1:55	0.09	0.67	0.09	3.5
53	7/1/2016 8:45	0.06	0.92	0.06	4.3
54	7/4/2016 17:50	0.19	12.5	0.09	3.3
55	7/6/2016 19:05	0.07	0.42	0.07	1.5
56	7/8/2016 1:45	0.08	4.25	0.07	1.3
57	7/8/2016 23:00	0.05	0.92	0.05	0.7
58	7/13/2016 22:30	0.19	1.00	0.19	4.9
59	7/16/2016 8:15	0.08	4.25	0.05	2.4
60	7/18/2016 5:40	0.22	1.33	0.19	1.7
61	7/22/2016 6:40	0.06	0.08	0.06	4.0
62	7/29/2016 14:25	0.30	28.00	0.17	7.3
63	7/31/2016 12:30	1.62	1.08	1.62	0.8
64	8/5/2016 16:35	0.01	0.08	0.01	5.1
65	8/9/2016 21:55	0.51	0.92	0.51	4.2
66	8/10/2016 13:55	0.09	5.83	0.08	0.6
67	8/11/2016 13:30	0.71	9.58	0.37	0.7
68	8/12/2016 19:20	0.02	3.00	0.01	0.8
69	8/16/2016 16:10	0.08	1.17	0.07	3.7
70	8/17/2016 8:50	0.01	0.08	0.01	0.6
71	8/19/2016 16:05	0.28	0.83	0.28	2.3
72	8/21/2016 20:50	0.17	5.33	0.13	2.2
73	8/25/2016 1:00	0.93	2.33	0.92	3.0
74	8/25/2016 18:00	0.01	0.08	0.01	0.6

Beachwood Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
75	8/26/2016 8:10	0.01	0.08	0.01	0.6
76	9/6/2016 10:30	0.01	0.08	0.01	11.1
77	9/17/2016 4:10	0.83	5.92	0.38	10.7
78	9/26/2016 10:00	0.18	2.58	0.12	9.0
79	9/28/2016 20:40	2.02	45.33	0.46	2.3
80	10/2/2016 5:20	0.25	0.92	0.25	1.5
81	10/4/2016 4:35	0.01	0.08	0.01	1.9
82	10/8/2016 5:30	0.02	0.75	0.02	4.0
83	10/13/2016 2:10	0.30	3.50	0.16	4.8
84	10/16/2016 21:35	0.30	3.00	0.27	3.7
85	10/18/2016 19:05	0.16	2.50	0.08	1.8
86	10/20/2016 4:20	2.40	47.50	0.38	1.3
87	10/26/2016 13:45	0.68	34.67	0.20	4.4
88	10/30/2016 10:40	0.19	7.50	0.13	2.4
89	11/3/2016 0:10	0.60	8.83	0.28	3.3
90	11/8/2016 15:25	0.33	14.17	0.16	5.3
91	11/11/2016 10:35	0.02	0.58	0.02	2.2
92	11/18/2016 9:50	0.01	0.08	0.01	6.9
93	11/19/2016 6:35	0.54	33.42	0.20	0.9
94	11/23/2016 13:10	0.46	40.17	0.11	2.9
95	11/25/2016 22:15	0.60	12.92	0.29	0.7
96	11/28/2016 11:30	0.13	16.83	0.09	2.0
97	11/30/2016 18:10	0.47	2.58	0.31	1.6
98	12/2/2016 14:05	0.04	0.25	0.04	1.7
99	12/3/2016 16:10	0.01	0.08	0.01	1.1
100	12/4/2016 20:45	0.09	4.00	0.05	1.2
101	12/6/2016 11:30	0.52	6.58	0.18	1.4
102	12/9/2016 19:35	0.09	11.33	0.05	3.1
103	12/11/2016 3:05	0.28	24.17	0.06	0.8
104	12/15/2016 2:05	0.03	1.83	0.02	3.0
105	12/17/2016 2:15	0.92	31.42	0.31	1.9
106	12/24/2016 4:55	0.07	3.50	0.04	5.8
107	12/26/2016 12:00	0.32	10.50	0.19	2.1
108	12/29/2016 0:25	0.07	3.75	0.03	2.1
109	12/29/2016 21:15	0.03	11.83	0.01	0.7

Brecksville Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/3/2016 13:00	0.02	4.33	0.01	2.5
2	1/4/2016 8:45	0.01	0.08	0.01	0.6
3	1/8/2016 13:00	0.26	20.67	0.07	4.2
4	1/10/2016 2:40	0.41	15.50	0.07	0.7
5	1/12/2016 3:40	0.04	5.17	0.02	1.4
6	1/13/2016 23:40	0.01	0.08	0.01	1.6
7	1/15/2016 19:55	0.19	4.17	0.09	1.8
8	1/17/2016 11:55	0.04	0.67	0.04	1.5
9	1/26/2016 4:50	0.01	0.08	0.01	8.7
10	1/28/2016 19:00	0.07	14.58	0.03	2.6
11	1/31/2016 23:40	0.05	1.92	0.04	2.6
12	2/2/2016 22:00	0.55	8.33	0.16	1.9
13	2/4/2016 2:10	0.01	0.08	0.01	0.8
14	2/8/2016 7:15	0.35	17.33	0.09	4.2
15	2/9/2016 18:10	0.04	3.50	0.02	0.7
16	2/10/2016 13:30	0.25	26.58	0.09	0.7
17	2/12/2016 18:35	0.10	8.58	0.05	1.1
18	2/15/2016 3:20	0.01	0.08	0.01	2.0
19	2/16/2016 1:10	0.25	8.17	0.07	0.9
20	2/17/2016 13:40	0.02	0.83	0.02	1.2
21	2/24/2016 4:15	1.31	36.75	0.32	6.6
22	2/29/2016 2:45	0.08	1.00	0.08	3.4
23	3/1/2016 14:50	0.39	18.17	0.15	1.5
24	3/3/2016 17:45	0.10	19.17	0.02	1.4
25	3/5/2016 16:35	0.02	1.17	0.01	1.2
26	3/9/2016 19:55	1.04	27.08	0.18	4.1
27	3/13/2016 1:40	0.81	53.83	0.25	2.1
28	3/16/2016 0:55	0.07	8.67	0.06	0.7
29	3/24/2016 17:35	0.51	7.00	0.36	8.3
30	3/28/2016 1:20	0.67	11.25	0.45	3.0
31	3/29/2016 9:40	0.01	0.08	0.01	0.9
32	3/31/2016 0:15	0.35	23.50	0.12	1.6
33	4/1/2016 16:05	0.16	1.33	0.15	0.7
34	4/2/2016 15:40	0.31	6.83	0.13	0.9
35	4/6/2016 15:05	1.03	38.00	0.15	3.7
36	4/8/2016 21:15	0.44	11.08	0.11	0.7
37	4/10/2016 22:15	0.67	20.67	0.21	1.6

Brecksville Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
38	4/21/2016 13:15	0.41	27.92	0.25	9.8
39	4/26/2016 3:45	0.38	1.58	0.32	3.4
40	4/28/2016 9:10	0.21	21.33	0.07	2.2
41	4/30/2016 16:35	0.48	11.83	0.11	1.4
42	5/2/2016 1:25	0.66	4.33	0.26	0.9
43	5/4/2016 20:55	0.09	8.50	0.05	2.6
44	5/10/2016 5:25	0.04	14.00	0.01	5.0
45	5/12/2016 9:20	0.04	0.42	0.04	1.6
46	5/12/2016 23:00	0.31	5.67	0.19	0.6
47	5/14/2016 6:05	0.70	29.50	0.18	1.1
48	5/17/2016 12:25	0.01	0.08	0.01	2.0
49	5/20/2016 23:50	0.11	12.42	0.03	3.5
50	5/29/2016 21:30	0.20	2.58	0.19	8.4
51	6/2/2016 5:45	0.02	0.17	0.02	3.2
52	6/4/2016 19:35	0.70	22.17	0.37	2.6
53	6/6/2016 20:55	0.15	10.00	0.13	1.1
54	6/7/2016 22:55	0.35	5.00	0.15	0.7
55	6/16/2016 4:20	1.23	11.08	0.76	8.0
56	6/21/2016 2:00	0.02	0.25	0.02	4.4
57	6/23/2016 0:25	0.36	12.50	0.17	1.9
58	7/1/2016 7:40	0.09	2.25	0.08	7.8
59	7/4/2016 17:55	0.18	13.42	0.10	3.3
60	7/6/2016 20:30	0.07	5.42	0.06	1.5
61	7/7/2016 14:00	0.21	1.33	0.20	0.5
62	7/8/2016 5:00	0.03	0.67	0.03	0.6
63	7/8/2016 23:25	0.21	4.00	0.20	0.7
64	7/13/2016 22:10	0.63	8.08	0.57	4.8
65	7/18/2016 6:10	0.14	0.83	0.14	4.0
66	7/24/2016 12:30	0.49	1.50	0.47	6.2
67	7/29/2016 13:40	0.39	1.00	0.39	5.0
68	7/30/2016 14:30	0.59	3.83	0.48	1.0
69	7/31/2016 18:15	0.21	0.33	0.21	1.0
70	8/9/2016 21:35	0.22	1.42	0.21	9.1
71	8/10/2016 16:30	0.28	1.92	0.27	0.7
72	8/11/2016 12:30	0.25	5.08	0.20	0.8
73	8/12/2016 13:10	0.22	14.08	0.15	0.8
74	8/13/2016 15:20	0.59	22.75	0.34	0.5

Brecksville Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
75	8/15/2016 7:05	0.04	6.17	0.02	0.7
76	8/16/2016 15:10	0.16	2.25	0.15	1.1
77	8/17/2016 17:15	0.39	0.58	0.39	1.0
78	8/21/2016 22:20	0.06	7.08	0.03	4.2
79	8/25/2016 0:40	0.18	1.33	0.17	2.8
80	8/25/2016 18:40	0.05	0.33	0.05	0.7
81	8/31/2016 14:00	0.29	1.42	0.21	5.8
82	9/2/2016 1:50	0.01	0.08	0.01	1.4
83	9/6/2016 9:55	0.13	0.25	0.13	4.3
84	9/7/2016 8:10	0.12	2.33	0.11	0.9
85	9/8/2016 15:00	0.39	13.50	0.29	1.2
86	9/10/2016 4:50	1.11	16.83	0.73	1.0
87	9/14/2016 11:20	0.23	1.00	0.23	3.6
88	9/17/2016 4:00	0.33	24.42	0.10	2.7
89	9/26/2016 9:35	0.25	5.67	0.15	8.2
90	9/28/2016 16:55	2.28	49.17	0.46	2.1
91	10/2/2016 5:00	0.19	1.25	0.18	1.5
92	10/4/2016 7:55	0.01	0.08	0.01	2.1
93	10/12/2016 23:40	0.27	5.75	0.15	8.7
94	10/16/2016 21:55	0.06	2.67	0.05	3.7
95	10/18/2016 19:50	0.17	2.42	0.13	1.8
96	10/20/2016 2:45	2.50	50.33	0.48	1.2
97	10/26/2016 13:15	0.01	0.08	0.01	4.3
98	10/27/2016 3:20	0.29	5.75	0.22	0.6
99	10/27/2016 23:50	0.04	0.67	0.04	0.6
100	10/30/2016 10:35	0.37	8.33	0.30	2.4
101	11/2/2016 23:35	0.29	11.08	0.17	3.2
102	11/8/2016 17:00	0.79	19.50	0.33	5.3
103	11/19/2016 6:30	0.50	31.42	0.13	9.8
104	11/23/2016 12:45	0.24	27.00	0.06	3.0
105	11/25/2016 5:10	0.01	0.08	0.01	0.6
106	11/26/2016 2:55	0.04	8.08	0.02	0.9
107	11/28/2016 11:35	0.13	12.33	0.09	2.0
108	11/30/2016 18:25	0.28	13.25	0.19	1.8
109	12/2/2016 14:55	0.07	3.50	0.04	1.3
110	12/4/2016 20:35	0.08	2.67	0.05	2.1
111	12/6/2016 10:35	0.40	6.42	0.16	1.5

Brecksville Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
112	12/11/2016 3:45	0.31	22.42	0.08	4.4
113	12/15/2016 6:55	0.09	2.08	0.07	3.2
114	12/17/2016 2:30	0.98	31.92	0.31	1.7
115	12/24/2016 3:25	0.08	5.17	0.03	5.7
116	12/26/2016 3:35	0.41	19.17	0.25	1.8
117	12/28/2016 23:50	0.08	4.08	0.05	2.0
118	12/29/2016 20:15	0.30	11.83	0.13	0.7

Brook Park Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/3/2016 12:45	0.04	3.25	0.02	2.5
2	1/8/2016 12:45	0.35	19.33	0.09	4.9
3	1/10/2016 2:45	0.65	11.33	0.12	0.8
4	1/12/2016 5:55	0.05	3.08	0.04	1.7
5	1/15/2016 19:40	0.14	6.92	0.07	3.4
6	1/17/2016 11:30	0.03	3.83	0.02	1.4
7	1/29/2016 2:40	0.03	1.08	0.03	11.5
8	1/31/2016 23:25	0.09	1.83	0.08	2.8
9	2/2/2016 21:35	0.65	8.58	0.24	1.8
10	2/4/2016 5:05	0.01	0.08	0.01	1.0
11	2/8/2016 6:00	0.61	19.08	0.12	4.0
12	2/9/2016 17:00	0.10	7.08	0.03	0.7
13	2/10/2016 13:20	0.28	10.17	0.13	0.6
14	2/11/2016 14:05	0.01	0.08	0.01	0.6
15	2/12/2016 18:15	0.02	0.25	0.02	1.2
16	2/16/2016 2:25	0.18	6.58	0.06	3.3
17	2/17/2016 14:40	0.01	0.08	0.01	1.2
18	2/24/2016 4:35	1.31	35.75	0.32	6.6
19	2/29/2016 2:25	0.11	1.50	0.10	3.4
20	3/1/2016 15:20	0.39	6.08	0.16	1.5
21	3/3/2016 18:15	0.10	10.50	0.02	1.9
22	3/5/2016 16:30	0.02	0.58	0.02	1.5
23	3/7/2016 21:00	0.01	0.08	0.01	2.2
24	3/9/2016 19:45	1.03	26.58	0.20	1.9
25	3/13/2016 3:00	0.74	21.08	0.18	2.2
26	3/14/2016 19:10	0.63	11.42	0.49	0.8
27	3/16/2016 0:30	0.09	1.08	0.09	0.7
28	3/16/2016 14:30	0.01	0.08	0.01	0.5
29	3/24/2016 17:25	0.58	5.50	0.37	8.1
30	3/28/2016 1:30	0.72	10.25	0.52	3.1
31	3/30/2016 23:35	0.39	23.83	0.09	2.5
32	4/1/2016 16:05	0.07	0.67	0.07	0.7
33	4/2/2016 15:15	0.35	6.67	0.13	0.9
34	4/4/2016 12:00	0.01	0.08	0.01	1.6
35	4/6/2016 12:55	1.38	39.17	0.32	2.0
36	4/8/2016 20:15	0.41	11.83	0.11	0.7
37	4/10/2016 21:55	0.53	20.42	0.14	1.6

Brook Park Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
38	4/21/2016 9:25	0.15	20.08	0.04	9.6
39	4/22/2016 18:20	0.01	0.08	0.01	0.5
40	4/26/2016 3:25	0.42	1.67	0.31	3.4
41	4/28/2016 7:40	0.40	22.33	0.10	2.1
42	4/30/2016 16:20	0.60	16.00	0.18	1.4
43	5/2/2016 1:05	0.94	3.92	0.42	0.7
44	5/4/2016 14:05	0.20	16.25	0.06	2.4
45	5/10/2016 5:05	0.02	0.50	0.02	4.9
46	5/10/2016 19:10	0.02	0.58	0.02	0.6
47	5/12/2016 8:55	0.10	0.67	0.10	1.5
48	5/12/2016 22:40	0.71	6.08	0.45	0.5
49	5/14/2016 5:45	0.74	29.50	0.16	1.0
50	5/17/2016 5:20	0.02	3.75	0.01	1.8
51	5/21/2016 0:50	0.04	10.92	0.02	3.7
52	5/29/2016 21:05	1.13	0.58	1.13	8.4
53	6/2/2016 5:55	0.01	0.08	0.01	3.3
54	6/4/2016 19:50	0.35	21.42	0.29	2.6
55	6/6/2016 20:50	0.04	0.42	0.04	1.1
56	6/7/2016 23:00	0.04	4.50	0.03	1.1
57	6/16/2016 7:20	1.15	5.92	0.78	8.2
58	6/21/2016 1:45	0.03	0.08	0.03	4.5
59	6/23/2016 0:20	0.36	12.42	0.19	1.9
60	7/1/2016 8:55	0.04	2.25	0.03	7.8
61	7/4/2016 18:30	0.06	10.25	0.03	3.3
62	7/6/2016 20:05	0.28	0.58	0.28	1.6
63	7/8/2016 4:35	0.28	0.83	0.28	1.3
64	7/8/2016 23:20	0.08	1.00	0.08	0.7
65	7/13/2016 21:55	0.20	0.42	0.20	4.9
66	7/16/2016 7:15	0.11	0.33	0.11	2.4
67	7/18/2016 5:35	0.53	1.25	0.52	1.9
68	7/24/2016 12:50	0.02	0.17	0.02	6.3
69	7/29/2016 14:10	0.03	0.83	0.03	5.0
70	7/30/2016 12:55	0.50	4.67	0.43	0.9
71	7/31/2016 13:35	0.30	0.75	0.30	0.8
72	8/9/2016 21:00	0.64	1.33	0.63	9.3
73	8/10/2016 14:20	1.45	4.83	0.90	0.7

Brook Park Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
74	8/11/2016 16:50	0.09	7.25	0.05	0.9
75	8/12/2016 18:40	0.06	8.58	0.03	0.8
76	8/13/2016 16:05	0.28	13.25	0.10	0.5
77	8/15/2016 7:15	0.02	0.83	0.02	1.1
78	8/16/2016 15:00	0.14	2.17	0.09	1.3
79	8/17/2016 16:25	0.10	0.17	0.10	1.0
80	8/19/2016 13:30	0.01	0.08	0.01	1.9
81	8/21/2016 21:50	0.01	0.08	0.01	2.3
82	8/25/2016 0:25	0.34	1.00	0.34	3.1
83	8/25/2016 17:55	0.01	0.08	0.01	0.7
84	8/27/2016 20:15	0.03	0.58	0.03	2.1
85	8/31/2016 13:30	0.01	0.08	0.01	3.7
86	9/1/2016 21:35	0.02	1.17	0.01	1.3
87	9/7/2016 7:25	0.50	4.92	0.37	5.4
88	9/8/2016 14:35	0.23	2.25	0.13	1.1
89	9/10/2016 4:40	1.35	19.33	0.61	1.5
90	9/14/2016 11:10	0.11	1.00	0.11	3.5
91	9/17/2016 3:30	0.68	5.92	0.38	2.6
92	9/26/2016 9:20	0.24	3.58	0.18	9.0
93	9/28/2016 19:40	1.75	46.00	0.34	2.3
94	10/2/2016 4:35	0.52	1.92	0.51	1.5
95	10/13/2016 2:35	0.21	2.33	0.12	10.8
96	10/16/2016 21:45	0.07	1.83	0.06	3.7
97	10/18/2016 18:45	0.16	2.42	0.09	1.8
98	10/20/2016 4:30	2.32	48.83	0.42	1.3
99	10/26/2016 13:05	0.37	18.33	0.20	4.3
100	10/27/2016 23:45	0.01	0.08	0.01	0.7
101	10/30/2016 10:30	0.16	8.08	0.13	2.4
102	11/2/2016 23:30	0.29	8.42	0.18	3.2
103	11/8/2016 14:50	0.62	19.83	0.29	5.3
104	11/10/2016 8:15	0.01	0.08	0.01	0.9
105	11/19/2016 5:55	0.48	18.75	0.21	8.9
106	11/20/2016 13:40	0.01	0.08	0.01	0.5
107	11/23/2016 12:15	0.31	36.58	0.08	2.9
108	11/25/2016 21:35	0.08	12.33	0.04	0.9
109	11/28/2016 11:10	0.14	16.17	0.07	2.1

Brook Park Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
110	11/30/2016 17:25	0.46	3.58	0.36	1.6
111	12/2/2016 14:15	0.05	1.17	0.04	1.7
112	12/15/2016 6:35	0.12	3.67	0.09	12.6
113	12/17/2016 2:45	0.74	30.42	0.25	1.7
114	12/24/2016 3:25	0.07	4.42	0.03	5.8
115	12/26/2016 11:40	0.31	10.50	0.22	2.2
116	12/29/2016 2:30	0.01	0.08	0.01	2.2
117	12/29/2016 19:40	0.28	10.08	0.17	0.7

Cleveland Heights Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/8/2016 13:25	0.38	19.42	0.08	7.6
2	1/10/2016 3:20	0.27	8.08	0.07	0.8
3	1/14/2016 11:35	0.03	11.42	0.02	4.0
4	1/15/2016 20:10	0.15	6.50	0.06	0.9
5	1/24/2016 10:35	0.02	3.50	0.01	8.3
6	1/28/2016 21:10	0.01	0.08	0.01	4.3
7	1/31/2016 23:30	0.07	2.08	0.06	3.1
8	2/2/2016 21:55	0.60	8.50	0.21	1.8
9	2/5/2016 10:20	0.02	3.58	0.01	2.2
10	2/8/2016 6:45	0.20	15.25	0.07	2.7
11	2/9/2016 18:10	0.01	0.08	0.01	0.8
12	2/15/2016 13:00	0.01	0.08	0.01	5.8
13	2/18/2016 15:45	0.03	0.92	0.03	3.1
14	2/19/2016 9:50	0.13	1.67	0.10	0.7
15	2/24/2016 4:45	1.00	19.67	0.31	4.7
16	2/26/2016 13:20	0.01	0.08	0.01	1.5
17	2/27/2016 10:00	0.01	0.08	0.01	0.9
18	2/29/2016 2:45	0.07	1.00	0.07	1.7
19	3/1/2016 16:30	0.35	3.92	0.16	1.5
20	3/4/2016 12:40	0.09	1.50	0.08	2.7
21	3/5/2016 10:00	0.02	9.33	0.01	0.8
22	3/9/2016 20:10	1.08	26.83	0.21	4.0
23	3/13/2016 5:40	0.48	18.83	0.13	2.3
24	3/14/2016 19:40	0.43	12.92	0.36	0.8
25	3/16/2016 1:35	0.13	14.08	0.11	0.7
26	3/24/2016 17:35	0.48	5.67	0.35	8.1
27	3/28/2016 1:55	0.72	10.58	0.54	3.1
28	3/31/2016 0:15	0.23	23.33	0.05	2.5
29	4/1/2016 16:15	0.04	1.50	0.03	0.7
30	4/2/2016 15:40	0.11	3.00	0.08	0.9
31	4/3/2016 9:45	0.03	4.08	0.02	0.6
32	4/6/2016 14:50	0.67	30.58	0.20	3.0
33	4/8/2016 10:25	0.08	12.17	0.05	0.5
34	4/10/2016 21:35	0.70	20.92	0.15	2.0
35	4/21/2016 11:15	0.06	6.17	0.02	9.7
36	4/26/2016 3:30	0.42	2.17	0.32	4.4

Cleveland Heights Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
37	4/28/2016 11:00	0.12	21.58	0.05	2.2
38	4/30/2016 17:20	0.57	14.83	0.15	1.4
39	5/2/2016 1:30	0.74	3.92	0.36	0.7
40	5/4/2016 22:10	0.04	9.08	0.02	2.7
41	5/12/2016 22:45	0.38	4.75	0.18	7.6
42	5/14/2016 6:05	0.93	37.83	0.22	1.1
43	5/17/2016 7:10	0.06	1.83	0.04	1.5
44	5/21/2016 2:15	0.03	1.92	0.02	3.7
45	5/28/2016 19:00	0.01	0.08	0.01	7.6
46	5/29/2016 21:05	0.21	0.92	0.21	1.1
47	6/4/2016 18:05	0.25	23.42	0.11	5.8
48	6/6/2016 21:45	0.01	0.08	0.01	1.2
49	6/8/2016 3:10	0.01	0.08	0.01	1.2
50	6/9/2016 9:15	0.01	0.08	0.01	1.3
51	6/16/2016 7:25	0.09	0.58	0.09	6.9
52	6/21/2016 1:30	0.02	0.17	0.02	4.7
53	6/23/2016 2:10	0.14	11.83	0.09	2.0
54	6/27/2016 2:00	0.03	1.17	0.02	3.5
55	7/1/2016 7:35	0.09	2.17	0.08	4.2
56	7/4/2016 18:10	0.23	12.75	0.14	3.4
57	7/6/2016 19:10	0.15	1.00	0.15	1.5
58	7/8/2016 5:10	0.14	0.83	0.14	1.4
59	7/13/2016 22:25	0.17	1.50	0.16	5.7
60	7/15/2016 1:45	0.01	0.08	0.01	1.1
61	7/16/2016 9:30	0.29	2.92	0.13	1.3
62	7/18/2016 5:40	0.30	1.25	0.28	1.7
63	7/22/2016 6:35	0.04	0.08	0.04	4.0
64	7/29/2016 12:40	0.94	29.42	0.71	7.3
65	7/31/2016 12:00	0.14	0.50	0.14	0.7
66	8/5/2016 15:40	0.19	0.58	0.19	5.1
67	8/9/2016 21:55	0.81	0.83	0.81	4.2
68	8/10/2016 19:05	0.18	0.67	0.18	0.8
69	8/11/2016 14:30	0.30	8.33	0.25	0.8
70	8/12/2016 19:15	0.84	42.58	0.30	0.9
71	8/15/2016 9:05	0.01	0.08	0.01	0.8

Cleveland Heights Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
72	8/16/2016 15:20	0.18	2.25	0.14	1.3
73	8/19/2016 15:40	0.29	0.92	0.29	2.9
74	8/22/2016 0:55	0.02	0.75	0.02	2.3
75	8/25/2016 0:50	0.98	1.33	0.97	3.0
76	8/25/2016 17:50	0.07	0.17	0.07	0.7
77	8/27/2016 20:25	0.02	0.42	0.02	2.1
78	9/7/2016 6:50	0.34	2.92	0.32	10.4
79	9/8/2016 14:50	0.50	0.42	0.50	1.2
80	9/10/2016 5:00	0.96	17.42	0.56	1.6
81	9/17/2016 3:20	1.16	6.58	0.80	6.2
82	9/18/2016 12:55	0.01	0.08	0.01	1.1
83	9/26/2016 10:00	0.22	3.17	0.18	7.9
84	9/28/2016 20:50	0.17	4.83	0.13	2.3
85	9/29/2016 13:45	1.31	28.33	0.44	0.5
86	10/2/2016 5:20	0.14	0.67	0.14	1.5
87	10/4/2016 15:00	0.01	0.08	0.01	2.4
88	10/8/2016 5:05	0.02	0.67	0.02	3.6
89	10/13/2016 2:05	0.28	3.17	0.17	4.8
90	10/16/2016 23:10	0.24	9.92	0.21	3.7
91	10/18/2016 19:00	0.27	2.33	0.23	1.4
92	10/20/2016 4:25	2.10	46.17	0.31	1.3
93	10/26/2016 13:45	0.71	24.92	0.30	4.5
94	10/30/2016 10:35	0.18	8.25	0.12	2.8
95	11/3/2016 1:50	0.46	7.67	0.20	3.3
96	11/8/2016 15:15	0.29	14.33	0.12	5.2
97	11/19/2016 6:30	0.25	12.83	0.12	10.0
98	11/20/2016 8:40	0.01	0.08	0.01	0.6
99	11/23/2016 13:10	0.38	44.58	0.08	3.2
100	11/25/2016 22:15	0.26	12.17	0.09	0.5
101	11/28/2016 11:55	0.09	12.00	0.07	2.1
102	11/30/2016 18:10	0.39	3.92	0.28	1.8
103	12/2/2016 14:00	0.03	3.67	0.02	1.7
104	12/4/2016 20:20	0.12	3.92	0.07	2.1
105	12/6/2016 11:35	0.48	5.83	0.18	1.5
106	12/10/2016 11:40	0.01	0.08	0.01	3.8

Cleveland Heights Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
107	12/12/2016 3:25	0.34	7.25	0.10	1.7
108	12/17/2016 10:35	0.72	20.08	0.25	5.0
109	12/22/2016 11:45	0.01	0.08	0.01	4.2
110	12/24/2016 4:35	0.06	3.67	0.03	1.7
111	12/26/2016 12:00	0.21	10.25	0.11	2.2
112	12/29/2016 2:35	0.04	1.92	0.02	2.2

Cleveland Industrial Pkwy Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/8/2016 12:45	0.36	25.42	0.10	7.5
2	1/10/2016 3:05	0.50	11.25	0.11	0.5
3	1/12/2016 6:00	0.08	3.25	0.06	1.7
4	1/15/2016 19:45	0.12	2.42	0.06	3.4
5	1/17/2016 11:45	0.01	0.08	0.01	1.6
6	1/26/2016 4:45	0.01	0.08	0.01	8.7
7	1/31/2016 23:20	0.07	1.50	0.06	5.8
8	2/2/2016 21:45	0.61	8.42	0.21	1.9
9	2/4/2016 6:20	0.01	0.08	0.01	1.0
10	2/8/2016 6:10	0.51	17.75	0.10	4.0
11	2/9/2016 16:50	0.07	6.33	0.03	0.7
12	2/10/2016 11:50	0.15	11.17	0.06	0.5
13	2/12/2016 18:20	0.01	0.08	0.01	1.8
14	2/16/2016 2:05	0.20	8.42	0.06	3.3
15	2/24/2016 5:00	1.24	35.83	0.33	7.8
16	2/29/2016 2:40	0.02	0.50	0.02	3.4
17	3/1/2016 15:25	0.37	4.42	0.15	1.5
18	3/3/2016 13:05	0.11	14.08	0.02	1.7
19	3/5/2016 14:50	0.03	5.75	0.01	1.5
20	3/9/2016 20:15	1.00	26.00	0.19	4.0
21	3/13/2016 3:15	0.83	20.92	0.20	2.2
22	3/14/2016 19:15	0.66	12.08	0.51	0.8
23	3/16/2016 0:40	0.18	1.00	0.18	0.7
24	3/16/2016 14:30	0.02	0.17	0.02	0.5
25	3/24/2016 17:30	0.52	8.33	0.31	8.1
26	3/31/2016 1:15	0.30	22.17	0.07	6.0
27	4/1/2016 16:05	0.06	0.58	0.06	0.7
28	4/2/2016 15:20	0.29	6.00	0.13	0.9
29	4/4/2016 8:20	0.01	0.08	0.01	1.5
30	4/6/2016 14:05	1.10	37.50	0.27	2.2
31	4/8/2016 20:50	0.69	13.17	0.14	0.7
32	4/10/2016 22:00	0.48	20.25	0.13	1.5
33	4/21/2016 12:25	0.10	7.67	0.03	9.8
34	4/22/2016 18:00	0.01	0.08	0.01	0.9
35	4/25/2016 23:05	0.43	5.92	0.33	3.2
36	4/28/2016 8:00	0.35	22.25	0.10	2.1
37	4/30/2016 16:45	0.58	14.92	0.17	1.4
38	5/2/2016 1:05	1.04	4.33	0.54	0.7

Cleveland Industrial Pkwy Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	5/4/2016 16:45	0.10	13.92	0.04	2.5
40	5/10/2016 10:05	0.01	0.08	0.01	5.1
41	5/12/2016 9:00	0.07	0.58	0.07	2.0
42	5/12/2016 22:50	0.52	4.08	0.32	0.6
43	5/14/2016 5:45	0.86	37.08	0.16	1.1
44	5/17/2016 7:25	0.01	0.08	0.01	1.5
45	5/21/2016 2:40	0.03	9.25	0.02	3.8
46	5/29/2016 22:30	0.01	0.08	0.01	8.4
47	6/2/2016 6:55	0.01	0.08	0.01	3.3
48	6/4/2016 19:50	0.45	24.42	0.20	2.5
49	6/6/2016 23:50	0.01	0.08	0.01	1.1
50	6/8/2016 2:45	0.02	0.42	0.02	1.1
51	6/16/2016 7:25	0.88	5.83	0.53	8.2
52	6/21/2016 1:30	0.06	0.08	0.06	4.5
53	6/23/2016 1:35	0.35	16.42	0.17	2.0
54	7/1/2016 8:50	0.06	0.67	0.06	7.6
55	7/4/2016 18:35	0.04	1.42	0.03	3.4
56	7/6/2016 20:10	0.10	0.17	0.10	2.0
57	7/8/2016 4:40	0.38	0.83	0.38	1.3
58	7/8/2016 23:35	0.02	0.25	0.02	0.8
59	7/13/2016 22:00	0.19	1.17	0.18	4.9
60	7/16/2016 7:35	0.21	3.33	0.18	2.4
61	7/18/2016 5:35	0.37	3.83	0.36	1.8
62	7/24/2016 12:45	0.10	3.42	0.09	6.1
63	7/30/2016 12:40	0.57	5.00	0.53	5.9
64	7/31/2016 12:55	0.24	1.50	0.23	0.8
65	8/9/2016 21:35	0.56	4.17	0.55	9.3
66	8/10/2016 15:30	0.49	11.17	0.26	0.6
67	8/11/2016 14:55	0.30	9.25	0.12	0.5
68	8/12/2016 18:40	0.06	8.50	0.03	0.8
69	8/13/2016 16:05	0.47	25.00	0.23	0.5
70	8/15/2016 7:50	0.01	0.08	0.01	0.6
71	8/16/2016 3:00	0.16	14.25	0.11	0.8
72	8/17/2016 16:25	0.08	0.33	0.08	1.0
73	8/21/2016 21:45	0.15	0.67	0.15	4.2
74	8/25/2016 0:30	0.49	0.92	0.49	3.1
75	8/25/2016 18:00	0.05	0.17	0.05	0.7
76	8/27/2016 20:00	0.06	1.83	0.05	2.1

Cleveland Industrial Pkwy Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	8/31/2016 13:40	0.03	4.33	0.02	3.7
78	9/1/2016 21:20	0.04	0.25	0.04	1.1
79	9/7/2016 7:20	0.20	5.50	0.14	5.4
80	9/8/2016 14:35	0.41	2.08	0.36	1.1
81	9/10/2016 4:45	1.21	16.50	0.63	1.5
82	9/14/2016 11:10	0.08	0.25	0.08	3.6
83	9/17/2016 3:10	1.00	6.33	0.58	2.7
84	9/26/2016 9:25	0.22	5.00	0.18	9.0
85	9/28/2016 20:20	1.94	45.83	0.51	2.2
86	10/2/2016 4:40	0.54	1.83	0.53	1.4
87	10/13/2016 1:45	0.23	3.17	0.14	10.8
88	10/16/2016 22:40	0.24	12.00	0.22	3.7
89	10/18/2016 19:20	0.11	2.08	0.08	1.4
90	10/20/2016 4:30	2.25	51.00	0.41	1.3
91	10/26/2016 13:10	0.26	18.17	0.12	4.2
92	10/27/2016 23:20	0.02	0.42	0.02	0.7
93	10/30/2016 9:40	0.21	5.08	0.16	2.4
94	11/2/2016 23:40	0.29	8.58	0.14	3.4
95	11/8/2016 15:10	0.62	19.83	0.41	5.3
96	11/19/2016 5:55	0.37	22.42	0.16	9.8
97	11/23/2016 12:45	0.30	38.67	0.07	3.4
98	11/25/2016 21:40	0.05	12.58	0.02	0.8
99	11/28/2016 11:55	0.15	15.42	0.07	2.1
100	11/30/2016 17:25	0.44	3.00	0.34	1.6
101	12/2/2016 14:10	0.05	2.42	0.04	1.7
102	12/4/2016 20:25	0.11	2.83	0.09	2.2
103	12/6/2016 11:25	0.52	5.58	0.20	1.5
104	12/11/2016 3:35	0.23	22.42	0.05	4.4
105	12/15/2016 4:25	0.08	6.75	0.05	3.1
106	12/17/2016 2:55	0.74	30.42	0.26	1.7
107	12/24/2016 3:30	0.05	2.92	0.02	5.8
108	12/26/2016 11:40	0.29	10.50	0.21	2.2
109	12/29/2016 2:35	0.01	0.08	0.01	2.2
110	12/29/2016 19:30	0.13	7.75	0.07	0.7

Dille Ave PS Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/8/2016 13:25	0.30	18.50	0.08	7.6
2	1/10/2016 2:55	0.45	11.17	0.09	0.8
3	1/12/2016 4:25	0.06	5.00	0.04	1.6
4	1/15/2016 19:50	0.14	6.75	0.06	3.4
5	1/17/2016 11:55	0.02	0.58	0.02	1.4
6	1/29/2016 3:25	0.01	0.08	0.01	11.6
7	1/31/2016 23:25	0.07	1.67	0.06	2.8
8	2/2/2016 21:45	0.64	8.58	0.23	1.9
9	2/8/2016 6:40	0.67	17.08	0.13	5.0
10	2/9/2016 16:55	0.33	28.58	0.07	0.7
11	2/12/2016 18:10	0.03	5.00	0.02	1.9
12	2/16/2016 2:25	0.27	6.83	0.07	3.1
13	2/17/2016 18:10	0.01	0.08	0.01	1.4
14	2/24/2016 4:50	1.26	14.75	0.35	6.4
15	2/25/2016 14:15	0.04	2.25	0.02	0.8
16	2/29/2016 2:40	0.07	0.33	0.07	3.4
17	3/1/2016 15:05	0.35	4.92	0.15	1.5
18	3/3/2016 21:15	0.04	5.75	0.01	2.1
19	3/5/2016 17:35	0.02	2.83	0.01	1.6
20	3/9/2016 20:15	1.05	26.08	0.20	4.0
21	3/13/2016 3:55	0.67	21.00	0.15	2.2
22	3/14/2016 19:30	0.77	11.92	0.63	0.8
23	3/16/2016 1:15	0.19	0.75	0.19	0.7
24	3/16/2016 14:40	0.01	0.08	0.01	0.5
25	3/24/2016 17:30	0.47	4.92	0.29	8.1
26	3/28/2016 1:45	0.83	23.33	0.52	3.1
27	3/31/2016 0:00	0.28	23.50	0.06	2.0
28	4/1/2016 16:05	0.05	0.75	0.05	0.7
29	4/2/2016 15:35	0.27	6.00	0.12	0.9
30	4/6/2016 13:10	0.79	35.58	0.24	3.6
31	4/8/2016 21:45	0.71	20.58	0.11	0.9
32	4/10/2016 12:10	0.49	30.25	0.13	0.7
33	4/21/2016 13:20	0.05	6.58	0.02	9.8
34	4/26/2016 3:20	0.50	1.67	0.36	4.3
35	4/28/2016 9:10	0.22	21.92	0.07	2.2
36	4/30/2016 17:05	0.64	15.08	0.15	1.4
37	5/2/2016 1:25	1.02	5.58	0.55	0.7
38	5/4/2016 21:50	0.07	10.92	0.03	2.6

Dille Ave PS Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	5/12/2016 9:25	0.03	0.75	0.03	7.0
40	5/12/2016 22:45	0.74	4.50	0.46	0.5
41	5/14/2016 6:00	1.13	37.08	0.22	1.1
42	5/17/2016 6:55	0.06	1.17	0.05	1.5
43	5/21/2016 2:15	0.04	9.42	0.02	3.8
44	5/29/2016 20:55	0.11	1.42	0.09	8.4
45	6/4/2016 17:55	0.13	24.17	0.05	5.8
46	6/8/2016 0:45	0.02	2.67	0.01	2.3
47	6/16/2016 7:20	0.21	0.67	0.21	8.2
48	6/23/2016 2:00	0.23	12.42	0.07	6.8
49	7/1/2016 8:45	0.06	1.00	0.06	7.8
50	7/4/2016 17:40	0.11	2.75	0.06	3.3
51	7/6/2016 20:30	0.01	0.08	0.01	2.0
52	7/8/2016 5:10	0.13	0.58	0.13	1.4
53	7/13/2016 22:10	0.14	1.17	0.13	5.7
54	7/16/2016 9:10	0.10	2.25	0.07	2.4
55	7/22/2016 6:30	0.03	0.42	0.03	5.8
56	7/30/2016 2:35	0.11	15.50	0.05	7.8
57	7/31/2016 13:00	0.18	1.42	0.17	0.8
58	8/5/2016 15:35	0.24	0.58	0.24	5.0
59	8/9/2016 21:40	1.06	1.50	1.05	4.2
60	8/10/2016 16:10	0.44	10.92	0.41	0.7
61	8/11/2016 15:15	0.45	7.33	0.42	0.5
62	8/12/2016 19:15	0.05	8.17	0.04	0.9
63	8/13/2016 16:15	0.34	21.08	0.18	0.5
64	8/16/2016 15:05	0.15	2.42	0.12	2.1
65	8/17/2016 14:40	0.02	0.17	0.02	0.9
66	8/25/2016 2:55	0.01	0.08	0.01	7.5
67	8/25/2016 17:45	0.10	0.17	0.10	0.6
68	8/27/2016 20:10	0.08	0.67	0.08	2.1
69	9/7/2016 7:20	0.35	0.50	0.35	10.4
70	9/8/2016 14:45	0.56	2.00	0.54	1.3
71	9/10/2016 4:50	0.93	19.50	0.38	1.5
72	9/17/2016 3:20	1.19	6.42	0.83	6.1
73	9/26/2016 9:35	0.22	4.00	0.15	9.0
74	9/28/2016 21:00	1.65	44.83	0.28	2.3
75	10/2/2016 4:55	0.79	2.17	0.77	1.5
76	10/13/2016 2:45	0.19	2.42	0.13	10.8

Dille Ave PS Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	10/16/2016 22:50	0.17	2.25	0.13	3.7
78	10/18/2016 18:55	0.09	2.25	0.08	1.7
79	10/20/2016 4:35	2.01	46.92	0.38	1.3
80	10/26/2016 13:30	0.63	24.58	0.35	4.4
81	10/30/2016 10:35	0.19	7.25	0.15	2.9
82	11/3/2016 1:45	0.37	7.00	0.17	3.3
83	11/8/2016 15:25	0.22	19.92	0.08	5.3
84	11/19/2016 6:10	0.31	13.08	0.11	9.8
85	11/23/2016 13:10	0.24	18.33	0.08	3.7
86	11/24/2016 20:55	0.04	4.42	0.02	0.6
87	11/26/2016 1:50	0.07	8.33	0.05	1.0
88	11/28/2016 11:45	0.10	12.17	0.06	2.1
89	11/30/2016 17:45	0.37	2.75	0.27	1.7
90	12/2/2016 14:05	0.03	0.17	0.03	1.7
91	12/4/2016 20:15	0.14	5.00	0.09	2.3
92	12/6/2016 11:45	0.51	6.00	0.19	1.4
93	12/11/2016 11:50	0.40	15.83	0.08	4.8
94	12/17/2016 10:15	1.01	14.42	0.28	5.3
95	12/24/2016 4:50	0.04	3.58	0.02	6.2
96	12/29/2016 0:20	0.02	2.58	0.01	4.7
97	12/30/2016 2:35	0.01	0.08	0.01	1.0

Division Ave PS Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/8/2016 13:15	0.29	18.83	0.09	7.6
2	1/10/2016 3:00	0.62	11.00	0.13	0.8
3	1/12/2016 3:20	0.06	5.58	0.04	1.6
4	1/15/2016 19:50	0.14	6.58	0.06	3.5
5	1/17/2016 11:00	0.04	4.17	0.03	1.4
6	1/25/2016 21:55	0.02	7.00	0.01	8.3
7	1/28/2016 20:15	0.01	0.08	0.01	2.6
8	1/31/2016 22:30	0.06	2.50	0.04	3.1
9	2/2/2016 21:45	0.69	8.50	0.24	1.9
10	2/4/2016 18:10	0.01	0.08	0.01	1.5
11	2/8/2016 6:30	0.64	17.25	0.10	3.5
12	2/9/2016 16:20	0.33	28.75	0.06	0.7
13	2/12/2016 18:05	0.03	9.75	0.01	1.9
14	2/16/2016 2:25	0.24	6.58	0.08	2.9
15	2/17/2016 14:15	0.01	0.08	0.01	1.2
16	2/24/2016 4:45	1.35	35.33	0.37	6.6
17	2/29/2016 2:35	0.07	0.50	0.07	3.4
18	3/1/2016 15:30	0.40	4.50	0.16	1.5
19	3/3/2016 17:10	0.12	10.08	0.02	1.9
20	3/5/2016 15:30	0.04	5.33	0.02	1.5
21	3/9/2016 20:05	0.94	26.00	0.16	4.0
22	3/13/2016 3:00	0.84	21.33	0.18	2.2
23	3/14/2016 19:25	0.91	12.00	0.73	0.8
24	3/16/2016 0:55	0.13	1.00	0.13	0.7
25	3/16/2016 14:35	0.01	0.08	0.01	0.5
26	3/24/2016 17:30	0.51	4.83	0.31	8.1
27	3/28/2016 1:40	0.87	23.25	0.61	3.1
28	3/30/2016 23:30	0.33	27.92	0.08	1.9
29	4/1/2016 16:15	0.05	0.42	0.05	0.5
30	4/2/2016 7:40	0.26	13.75	0.11	0.6
31	4/6/2016 12:55	1.03	35.67	0.35	3.6
32	4/8/2016 20:55	0.65	18.33	0.11	0.8
33	4/10/2016 17:50	0.47	24.50	0.11	1.1
34	4/21/2016 6:25	0.09	13.67	0.03	9.5
35	4/26/2016 3:20	0.47	1.92	0.34	4.3
36	4/28/2016 9:00	0.32	23.17	0.12	2.2
37	4/30/2016 16:55	0.67	15.58	0.14	1.4
38	5/2/2016 1:25	1.02	3.67	0.49	0.7

Division Ave PS Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	5/4/2016 21:15	0.07	9.92	0.04	2.7
40	5/10/2016 7:35	0.01	0.08	0.01	5.0
41	5/12/2016 22:40	0.49	4.58	0.30	2.6
42	5/14/2016 5:50	0.81	29.33	0.21	1.1
43	5/17/2016 6:35	0.06	1.58	0.05	1.8
44	5/21/2016 1:45	0.05	10.00	0.02	3.7
45	5/28/2016 18:50	0.06	0.83	0.06	7.3
46	5/29/2016 21:00	0.08	1.17	0.07	1.1
47	6/4/2016 19:05	0.33	22.33	0.21	5.9
48	6/8/2016 3:25	0.01	0.08	0.01	2.4
49	6/16/2016 7:20	0.18	0.67	0.18	8.2
50	6/23/2016 1:55	0.14	11.83	0.09	6.7
51	7/1/2016 8:45	0.08	0.92	0.08	7.8
52	7/4/2016 18:10	0.07	3.08	0.05	3.4
53	7/8/2016 4:45	0.17	0.83	0.17	3.3
54	7/8/2016 23:45	0.01	0.08	0.01	0.8
55	7/13/2016 22:05	0.04	6.75	0.02	4.9
56	7/16/2016 8:10	0.35	3.50	0.20	2.1
57	7/18/2016 5:25	0.43	1.25	0.41	1.7
58	7/22/2016 6:20	0.02	0.08	0.02	4.0
59	7/30/2016 17:35	0.02	0.25	0.02	8.5
60	7/31/2016 12:35	0.06	0.75	0.06	0.8
61	8/5/2016 15:30	0.03	0.42	0.03	5.1
62	8/9/2016 21:45	0.35	0.58	0.35	4.2
63	8/10/2016 15:55	0.31	4.08	0.28	0.7
64	8/11/2016 14:45	0.38	7.83	0.25	0.8
65	8/12/2016 23:25	0.07	4.08	0.06	1.0
66	8/13/2016 16:10	0.36	20.42	0.21	0.5
67	8/16/2016 15:00	0.19	2.25	0.15	2.1
68	8/17/2016 13:35	0.03	1.25	0.02	0.8
69	8/19/2016 13:40	0.15	2.25	0.11	2.0
70	8/20/2016 20:45	0.02	4.50	0.01	1.2
71	8/25/2016 0:40	0.01	0.08	0.01	4.0
72	8/25/2016 17:35	0.12	0.25	0.12	0.7
73	8/27/2016 20:00	0.09	0.92	0.09	2.1
74	9/1/2016 21:50	0.01	0.08	0.01	5.0
75	9/9/2016 4:05	0.01	0.08	0.01	7.3
76	9/10/2016 4:35	0.31	19.67	0.15	1.0

Division Ave PS Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	9/17/2016 3:05	1.29	6.67	0.83	6.1
78	9/26/2016 9:30	0.21	3.42	0.18	9.0
79	9/28/2016 20:30	1.74	45.42	0.35	2.3
80	10/2/2016 4:50	0.64	1.83	0.61	1.5
81	10/13/2016 2:10	0.11	2.67	0.07	10.8
82	10/16/2016 22:35	0.17	1.58	0.15	3.7
83	10/18/2016 18:50	0.12	2.42	0.10	1.8
84	10/20/2016 4:40	1.62	46.83	0.30	1.3
85	10/26/2016 13:10	0.53	24.75	0.19	4.4
86	10/30/2016 10:00	0.16	7.58	0.13	2.8
87	11/3/2016 0:00	0.32	8.08	0.14	3.3
88	11/8/2016 14:55	0.01	0.08	0.01	5.3
89	11/9/2016 11:50	0.01	0.08	0.01	0.9
90	11/19/2016 6:10	0.39	13.58	0.13	9.8
91	11/23/2016 13:15	0.24	38.50	0.07	3.7
92	11/26/2016 6:55	0.05	1.50	0.04	1.1
93	11/28/2016 11:40	0.11	15.83	0.06	2.1
94	11/30/2016 17:25	0.37	3.08	0.28	1.6
95	12/2/2016 14:15	0.01	0.08	0.01	1.7
96	12/9/2016 16:25	0.08	4.58	0.07	7.1
97	12/11/2016 3:10	0.22	22.83	0.04	1.3
98	12/15/2016 2:00	0.20	5.17	0.08	3.0
99	12/17/2016 3:10	0.60	25.58	0.20	1.8
100	12/24/2016 3:55	0.04	3.75	0.02	6.0
101	12/26/2016 11:50	0.24	10.42	0.16	2.2
102	12/29/2016 2:35	0.01	0.08	0.01	2.2
103	12/29/2016 19:30	0.02	7.25	0.01	0.7

Easterly WWTP Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/8/2016 13:30	0.24	20.83	0.08	7.6
2	1/10/2016 3:25	0.35	10.25	0.08	0.7
3	1/12/2016 7:10	0.02	1.58	0.01	1.7
4	1/15/2016 20:00	0.14	6.33	0.08	3.5
5	1/18/2016 0:40	0.01	0.08	0.01	1.9
6	1/28/2016 20:30	0.03	6.67	0.02	10.8
7	1/31/2016 23:25	0.04	1.83	0.03	2.8
8	2/2/2016 21:55	0.59	8.75	0.19	1.9
9	2/8/2016 6:50	0.55	17.50	0.12	5.0
10	2/9/2016 16:20	0.03	3.17	0.01	0.7
11	2/10/2016 11:00	0.02	8.42	0.01	0.6
12	2/16/2016 2:25	0.18	7.33	0.05	5.3
13	2/24/2016 5:00	1.06	19.67	0.31	7.8
14	2/25/2016 14:35	0.01	0.08	0.01	0.6
15	2/29/2016 2:40	0.08	0.83	0.08	3.5
16	3/1/2016 15:45	0.40	4.33	0.17	1.5
17	3/4/2016 8:00	0.11	5.00	0.04	2.5
18	3/5/2016 17:00	0.03	3.75	0.01	1.2
19	3/9/2016 20:15	1.00	26.75	0.15	4.0
20	3/13/2016 4:15	0.72	20.42	0.15	2.2
21	3/14/2016 19:50	0.55	12.25	0.37	0.8
22	3/16/2016 1:45	0.09	0.42	0.09	0.7
23	3/16/2016 14:45	0.01	0.08	0.01	0.5
24	3/24/2016 17:35	0.44	4.75	0.28	8.1
25	3/28/2016 1:50	0.81	9.92	0.62	3.1
26	3/31/2016 0:15	0.22	23.58	0.06	2.5
27	4/1/2016 16:25	0.03	0.33	0.03	0.7
28	4/2/2016 7:25	0.26	13.50	0.11	0.6
29	4/6/2016 13:15	0.69	31.33	0.27	3.7
30	4/8/2016 20:55	0.35	7.75	0.10	1.0
31	4/10/2016 22:20	0.46	20.08	0.15	1.7
32	4/21/2016 11:25	0.07	10.50	0.02	9.7
33	4/26/2016 3:25	0.43	1.58	0.36	4.2
34	4/28/2016 8:55	0.24	23.00	0.10	2.2
35	4/30/2016 16:55	0.70	15.00	0.16	1.4
36	5/2/2016 1:20	0.85	8.58	0.46	0.7
37	5/4/2016 22:10	0.04	9.17	0.03	2.5
38	5/10/2016 6:45	0.02	2.17	0.01	5.0

Easterly WWTP Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	5/12/2016 15:45	0.47	11.67	0.23	2.3
40	5/14/2016 5:55	0.40	27.67	0.18	1.1
41	5/17/2016 7:00	0.10	3.00	0.06	1.9
42	5/21/2016 4:10	0.01	0.08	0.01	3.8
43	5/29/2016 21:20	0.19	0.42	0.19	8.7
44	6/4/2016 18:20	0.31	24.42	0.20	5.9
45	6/6/2016 21:50	0.01	0.08	0.01	1.1
46	6/7/2016 20:25	0.04	6.50	0.03	0.9
47	6/16/2016 7:25	0.07	0.50	0.07	8.2
48	6/21/2016 1:20	0.07	0.08	0.07	4.7
49	6/23/2016 2:20	0.01	0.08	0.01	2.0
50	7/1/2016 8:55	0.08	1.08	0.08	8.3
51	7/4/2016 18:15	0.20	10.17	0.12	3.3
52	7/6/2016 19:15	0.02	0.08	0.02	1.6
53	7/8/2016 4:00	0.19	1.92	0.11	1.4
54	7/13/2016 22:20	0.17	1.08	0.17	5.7
55	7/15/2016 1:45	0.01	0.08	0.01	1.1
56	7/16/2016 9:40	0.40	2.25	0.27	1.3
57	7/18/2016 5:20	0.15	1.42	0.13	1.7
58	7/22/2016 7:00	0.01	0.08	0.01	4.0
59	7/30/2016 2:55	0.02	0.25	0.02	7.8
60	7/31/2016 3:10	0.01	0.08	0.01	1.0
61	8/5/2016 15:30	0.04	1.08	0.04	5.5
62	8/9/2016 21:55	0.81	1.25	0.80	4.2
63	8/11/2016 14:05	0.28	8.83	0.17	1.6
64	8/13/2016 3:35	0.25	16.25	0.16	1.2
65	8/14/2016 12:25	0.01	0.08	0.01	0.7
66	8/16/2016 15:20	0.05	2.25	0.04	2.1
67	8/21/2016 21:05	0.13	3.75	0.11	5.1
68	8/25/2016 0:45	1.20	1.08	1.20	3.0
69	8/27/2016 20:10	0.12	12.42	0.11	2.8
70	8/31/2016 13:05	0.14	1.17	0.13	3.2
71	9/1/2016 20:40	0.01	0.08	0.01	1.3
72	9/7/2016 6:55	0.44	0.58	0.44	5.4
73	9/8/2016 14:40	0.58	0.50	0.58	1.3
74	9/10/2016 4:55	0.52	17.33	0.24	1.6
75	9/17/2016 3:25	2.67	6.50	1.56	6.2
76	9/26/2016 9:45	0.27	4.25	0.23	9.0

Easterly WWTP Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	9/28/2016 21:05	1.37	45.17	0.31	2.3
78	10/2/2016 5:15	0.38	2.42	0.34	1.5
79	10/13/2016 2:10	0.13	1.83	0.10	10.8
80	10/16/2016 22:15	0.26	2.08	0.21	3.8
81	10/18/2016 18:45	0.13	2.33	0.08	1.8
82	10/20/2016 4:50	1.55	45.75	0.28	1.3
83	10/26/2016 13:50	0.65	23.92	0.16	4.5
84	10/30/2016 9:25	0.15	4.92	0.11	2.8
85	11/3/2016 0:15	0.48	8.42	0.21	3.4
86	11/8/2016 15:05	0.31	14.08	0.19	5.3
87	11/19/2016 6:10	0.47	12.50	0.18	10.0
88	11/23/2016 14:30	0.21	14.50	0.08	3.8
89	11/24/2016 21:10	0.02	9.25	0.01	0.7
90	11/25/2016 23:35	0.22	10.42	0.14	0.7
91	11/28/2016 22:20	0.10	5.17	0.07	2.5
92	11/30/2016 17:40	0.50	2.92	0.34	1.6
93	12/2/2016 13:35	0.04	0.25	0.04	1.7
94	12/3/2016 15:15	0.03	0.42	0.03	1.1
95	12/4/2016 20:30	0.10	2.08	0.08	1.2
96	12/6/2016 12:05	0.55	5.25	0.20	1.6
97	12/9/2016 16:55	0.20	17.00	0.09	3.0
98	12/11/2016 7:45	0.39	18.33	0.08	0.9
99	12/16/2016 23:25	0.60	29.42	0.23	4.9
100	12/24/2016 5:55	0.02	1.67	0.01	6.0
101	12/26/2016 12:00	0.32	10.92	0.21	2.2
102	12/29/2016 2:20	0.03	1.67	0.02	2.1
103	12/29/2016 20:50	0.02	5.92	0.01	0.7

Independence Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/8/2016 13:15	0.30	20.75	0.07	7.6
2	1/10/2016 2:55	0.39	10.17	0.09	0.7
3	1/12/2016 3:30	0.03	5.42	0.01	1.6
4	1/15/2016 19:50	0.24	7.08	0.13	3.5
5	1/17/2016 12:15	0.01	0.08	0.01	1.4
6	1/29/2016 3:10	0.01	0.08	0.01	11.6
7	1/31/2016 23:30	0.08	0.83	0.08	2.8
8	2/2/2016 21:45	0.64	8.58	0.17	1.9
9	2/8/2016 6:30	0.46	17.58	0.10	5.0
10	2/9/2016 17:40	0.05	4.67	0.03	0.7
11	2/10/2016 14:00	0.17	10.58	0.08	0.7
12	2/12/2016 18:25	0.02	0.67	0.02	1.7
13	2/13/2016 22:00	0.01	0.08	0.01	1.1
14	2/16/2016 2:20	0.23	6.92	0.07	2.2
15	2/17/2016 14:15	0.01	0.08	0.01	1.2
16	2/24/2016 4:25	1.21	36.58	0.34	6.6
17	2/29/2016 2:45	0.07	1.42	0.06	3.4
18	3/1/2016 14:55	0.38	6.00	0.16	1.4
19	3/3/2016 18:30	0.11	8.92	0.02	1.9
20	3/5/2016 15:35	0.03	2.00	0.02	1.5
21	3/7/2016 21:15	0.01	0.08	0.01	2.2
22	3/9/2016 19:45	1.08	27.08	0.20	1.9
23	3/13/2016 3:05	0.61	23.08	0.18	2.2
24	3/14/2016 19:20	0.45	11.00	0.34	0.7
25	3/16/2016 0:45	0.04	8.92	0.03	0.8
26	3/20/2016 7:25	0.01	0.08	0.01	3.9
27	3/24/2016 17:35	0.50	5.58	0.36	4.4
28	3/28/2016 1:45	0.86	22.42	0.62	3.1
29	3/30/2016 23:55	0.36	23.67	0.08	2.0
30	4/1/2016 16:15	0.43	29.75	0.14	0.7
31	4/6/2016 14:25	1.02	38.50	0.20	3.7
32	4/8/2016 21:15	0.49	10.75	0.14	0.7
33	4/10/2016 22:25	0.67	20.67	0.22	1.6
34	4/21/2016 11:00	0.09	17.42	0.03	9.7
35	4/22/2016 16:55	0.01	0.08	0.01	0.5
36	4/25/2016 19:40	0.45	9.67	0.35	3.1
37	4/28/2016 12:10	0.24	18.83	0.07	2.3

Independence Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
38	4/30/2016 16:50	0.55	12.08	0.16	1.4
39	5/2/2016 0:40	0.74	4.50	0.32	0.8
40	5/4/2016 21:55	0.05	1.83	0.04	2.7
41	5/10/2016 7:15	0.01	0.08	0.01	5.3
42	5/10/2016 19:35	0.02	0.33	0.02	0.5
43	5/12/2016 22:55	0.59	4.67	0.37	2.1
44	5/14/2016 6:05	0.78	29.33	0.16	1.1
45	5/17/2016 4:35	0.06	1.75	0.05	1.7
46	5/21/2016 0:15	0.09	4.00	0.04	3.7
47	5/29/2016 21:20	0.94	0.58	0.94	8.7
48	6/2/2016 6:10	0.01	0.08	0.01	3.3
49	6/4/2016 19:35	0.58	31.67	0.20	2.6
50	6/6/2016 20:55	0.21	0.42	0.21	0.7
51	6/7/2016 23:15	0.20	4.25	0.12	1.1
52	6/16/2016 7:35	0.58	6.08	0.43	8.2
53	6/21/2016 1:40	0.07	0.42	0.07	4.5
54	6/23/2016 0:50	0.40	12.08	0.17	1.9
55	7/1/2016 6:45	0.08	3.17	0.05	7.7
56	7/4/2016 17:35	0.17	2.67	0.10	3.3
57	7/6/2016 20:30	0.06	0.17	0.06	2.0
58	7/7/2016 14:05	0.05	0.33	0.05	0.7
59	7/8/2016 4:40	0.21	1.00	0.21	0.6
60	7/8/2016 23:20	0.19	1.00	0.19	0.7
61	7/13/2016 22:10	0.45	7.92	0.44	4.9
62	7/16/2016 8:00	0.02	0.25	0.02	2.1
63	7/18/2016 6:00	0.78	1.33	0.77	1.9
64	7/24/2016 12:40	0.48	1.17	0.47	6.2
65	7/29/2016 13:20	0.79	12.50	0.77	5.0
66	7/30/2016 14:00	0.75	4.17	0.62	0.5
67	8/9/2016 20:30	0.70	2.08	0.59	10.1
68	8/10/2016 18:15	1.11	0.83	1.11	0.8
69	8/11/2016 17:10	0.11	5.92	0.06	0.9
70	8/12/2016 19:00	0.03	0.17	0.03	0.8
71	8/13/2016 15:05	0.30	22.92	0.08	0.8
72	8/15/2016 7:15	0.03	5.92	0.02	0.7
73	8/16/2016 15:20	0.05	2.17	0.03	1.1
74	8/17/2016 17:00	0.21	0.33	0.21	1.0

Independence Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
75	8/19/2016 18:05	0.32	6.92	0.31	2.0
76	8/21/2016 21:40	0.47	8.50	0.40	1.9
77	8/25/2016 0:40	0.38	1.08	0.38	2.8
78	8/25/2016 18:55	0.02	0.17	0.02	0.7
79	8/31/2016 13:45	0.30	0.33	0.30	5.8
80	9/7/2016 7:50	0.26	4.58	0.21	6.7
81	9/8/2016 15:15	0.23	4.25	0.16	1.1
82	9/10/2016 4:50	0.93	15.92	0.55	1.4
83	9/14/2016 11:30	0.08	0.50	0.08	3.6
84	9/17/2016 4:10	0.49	17.17	0.23	2.7
85	9/26/2016 9:30	0.26	3.58	0.14	8.5
86	9/28/2016 20:05	2.18	45.83	0.42	2.3
87	10/2/2016 4:50	0.17	1.00	0.17	1.5
88	10/4/2016 3:30	0.01	0.08	0.01	1.9
89	10/12/2016 23:55	0.31	5.17	0.20	8.8
90	10/16/2016 22:50	0.19	13.67	0.16	3.7
91	10/18/2016 19:30	0.13	6.08	0.08	1.3
92	10/20/2016 4:35	2.31	48.25	0.52	1.1
93	10/26/2016 13:10	0.03	0.92	0.03	4.3
94	10/27/2016 2:55	0.34	6.00	0.26	0.5
95	10/27/2016 23:55	0.02	0.42	0.02	0.6
96	10/30/2016 10:30	0.19	7.75	0.13	2.4
97	11/3/2016 1:50	0.24	6.67	0.13	3.3
98	11/8/2016 15:55	0.60	20.08	0.25	5.3
99	11/19/2016 6:30	0.40	19.25	0.13	9.8
100	11/20/2016 13:45	0.01	0.08	0.01	0.5
101	11/23/2016 12:55	0.29	40.50	0.09	3.0
102	11/26/2016 8:10	0.04	2.75	0.02	1.1
103	11/28/2016 11:45	0.12	12.00	0.09	2.0
104	11/30/2016 18:05	0.33	13.42	0.19	1.8
105	12/2/2016 14:40	0.04	3.50	0.03	1.3
106	12/4/2016 20:00	0.08	3.42	0.05	2.1
107	12/6/2016 10:55	0.43	7.17	0.18	1.5
108	12/11/2016 11:50	0.20	14.25	0.05	4.7
109	12/15/2016 6:35	0.02	0.42	0.02	3.2
110	12/17/2016 2:55	0.89	23.75	0.34	1.8
111	12/24/2016 3:10	0.07	5.00	0.02	6.0

Independence Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
112	12/26/2016 11:50	0.27	10.92	0.16	2.2
113	12/29/2016 0:15	0.05	3.58	0.02	2.1
114	12/29/2016 19:55	0.18	12.08	0.11	0.7

James Rhodes HS Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/8/2016 13:00	0.28	19.42	0.06	7.5
2	1/10/2016 3:10	0.40	11.00	0.07	0.8
3	1/12/2016 6:45	0.03	2.17	0.02	1.7
4	1/15/2016 19:50	0.11	2.42	0.05	3.5
5	1/17/2016 12:15	0.01	0.08	0.01	1.6
6	1/29/2016 3:10	0.01	0.08	0.01	11.6
7	1/31/2016 23:25	0.08	1.75	0.07	2.8
8	2/2/2016 21:45	0.47	8.42	0.17	1.9
9	2/8/2016 6:25	0.43	17.75	0.08	5.0
10	2/9/2016 17:05	0.08	6.33	0.03	0.7
11	2/10/2016 11:50	0.17	10.42	0.08	0.5
12	2/12/2016 18:15	0.03	2.58	0.02	1.8
13	2/16/2016 2:30	0.17	7.00	0.05	3.2
14	2/24/2016 4:40	1.03	35.67	0.28	7.8
15	2/29/2016 2:40	0.07	1.25	0.06	3.4
16	3/1/2016 15:40	0.28	4.42	0.13	1.5
17	3/3/2016 19:35	0.05	7.75	0.01	2.0
18	3/5/2016 17:00	0.02	3.33	0.01	1.6
19	3/9/2016 20:20	0.07	3.42	0.04	4.0
20	3/13/2016 3:20	0.83	23.08	0.23	3.1
21	3/14/2016 19:20	0.52	11.25	0.41	0.7
22	3/16/2016 0:45	0.19	1.08	0.19	0.8
23	3/16/2016 14:40	0.01	0.08	0.01	0.5
24	3/24/2016 17:30	0.47	4.83	0.31	8.1
25	3/28/2016 1:40	0.86	22.58	0.64	3.1
26	3/30/2016 23:40	0.26	28.17	0.06	2.0
27	4/1/2016 16:10	0.06	0.67	0.06	0.5
28	4/2/2016 15:25	0.32	6.25	0.16	0.9
29	4/4/2016 12:10	0.01	0.08	0.01	1.6
30	4/6/2016 14:25	0.91	34.33	0.28	2.1
31	4/8/2016 20:45	0.52	10.33	0.11	0.8
32	4/10/2016 22:15	0.44	20.25	0.13	1.6
33	4/21/2016 10:15	0.07	9.42	0.03	9.7
34	4/25/2016 21:45	0.49	8.00	0.29	4.1
35	4/28/2016 9:25	0.24	21.33	0.08	2.2
36	4/30/2016 16:40	0.54	15.17	0.16	1.4
37	5/2/2016 1:15	0.81	3.92	0.37	0.7
38	5/4/2016 15:00	0.07	15.33	0.04	2.4

James Rhodes HS Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	5/10/2016 19:45	0.01	0.08	0.01	5.6
40	5/12/2016 9:25	0.03	0.50	0.03	1.6
41	5/12/2016 22:35	0.78	4.92	0.51	0.5
42	5/14/2016 5:55	1.17	38.67	0.18	1.1
43	5/21/2016 1:15	0.05	10.50	0.02	5.2
44	5/28/2016 18:40	0.18	0.25	0.18	7.3
45	5/29/2016 21:10	0.57	2.17	0.56	1.1
46	6/4/2016 19:45	0.55	21.75	0.28	5.9
47	6/6/2016 21:15	0.01	0.08	0.01	1.2
48	6/8/2016 1:00	0.04	2.25	0.03	1.2
49	6/16/2016 7:30	0.61	6.00	0.40	8.2
50	6/21/2016 1:30	0.06	0.17	0.06	4.5
51	6/23/2016 1:55	0.35	11.00	0.13	2.0
52	7/1/2016 8:50	0.08	1.50	0.07	7.8
53	7/4/2016 18:30	0.06	2.17	0.04	3.3
54	7/6/2016 20:15	0.03	0.33	0.03	2.0
55	7/8/2016 4:55	0.23	0.67	0.23	1.3
56	7/13/2016 22:05	0.12	1.58	0.10	5.7
57	7/16/2016 7:45	0.43	3.92	0.32	2.3
58	7/18/2016 5:45	0.28	1.08	0.28	1.8
59	7/24/2016 12:40	0.16	1.00	0.16	6.2
60	7/30/2016 13:05	0.56	4.75	0.51	6.0
61	7/31/2016 14:00	0.05	0.58	0.05	0.8
62	8/5/2016 15:35	0.04	0.17	0.04	5.0
63	8/9/2016 21:35	1.03	3.83	1.02	4.2
64	8/10/2016 15:40	0.84	4.08	0.50	0.6
65	8/11/2016 16:50	0.90	5.83	0.63	0.9
66	8/12/2016 18:50	0.33	8.33	0.28	0.8
67	8/13/2016 16:10	0.31	25.17	0.13	0.5
68	8/16/2016 15:05	0.16	2.33	0.11	1.9
69	8/17/2016 16:45	0.01	0.08	0.01	1.0
70	8/21/2016 21:50	0.29	10.58	0.16	4.2
71	8/25/2016 0:35	0.56	1.00	0.56	2.7
72	8/25/2016 18:05	0.20	0.17	0.20	0.7
73	8/27/2016 20:05	0.05	0.67	0.05	2.1
74	8/31/2016 13:50	0.02	0.17	0.02	3.7
75	9/1/2016 20:50	0.25	0.67	0.25	1.3
76	9/10/2016 4:40	1.13	16.83	0.51	8.3

James Rhodes HS Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	9/14/2016 11:15	0.04	0.33	0.04	3.6
78	9/17/2016 3:40	0.90	6.00	0.60	2.7
79	9/26/2016 8:40	0.25	3.83	0.15	9.0
80	9/28/2016 20:15	2.07	46.83	0.39	2.3
81	10/2/2016 4:50	0.78	1.92	0.76	1.4
82	10/13/2016 1:55	0.26	3.08	0.17	10.8
83	10/16/2016 22:50	0.19	1.25	0.18	3.7
84	10/18/2016 19:00	0.09	2.67	0.06	1.8
85	10/20/2016 4:30	2.45	47.33	0.58	1.3
86	10/26/2016 13:10	0.35	21.00	0.18	4.4
87	10/28/2016 0:05	0.01	0.08	0.01	0.6
88	10/30/2016 10:10	0.19	7.42	0.14	2.4
89	11/2/2016 23:45	0.44	8.67	0.21	3.3
90	11/8/2016 15:30	0.40	20.25	0.17	5.3
91	11/11/2016 11:00	0.01	0.08	0.01	2.0
92	11/19/2016 6:05	0.32	13.33	0.15	7.8
93	11/20/2016 13:25	0.01	0.08	0.01	0.8
94	11/23/2016 15:20	0.21	33.75	0.06	3.1
95	11/25/2016 21:55	0.08	12.75	0.04	0.9
96	11/28/2016 11:25	0.13	15.92	0.07	2.0
97	11/30/2016 17:45	0.37	2.75	0.25	1.6
98	12/2/2016 14:15	0.05	0.33	0.05	1.7
99	12/4/2016 20:05	0.09	2.00	0.07	2.2
100	12/6/2016 11:20	0.47	5.67	0.20	1.6
101	12/9/2016 20:40	0.01	0.08	0.01	3.2
102	12/11/2016 4:00	0.01	0.08	0.01	1.3
103	12/11/2016 18:15	0.12	7.83	0.03	0.6
104	12/15/2016 2:35	0.21	7.83	0.11	3.0
105	12/16/2016 0:00	0.01	0.08	0.01	0.6
106	12/17/2016 11:25	0.68	22.00	0.24	1.5
107	12/24/2016 5:25	0.02	2.00	0.01	5.8
108	12/26/2016 19:55	0.25	2.25	0.17	2.5
109	12/29/2016 0:15	0.01	0.08	0.01	2.1
110	12/29/2016 19:35	0.12	7.58	0.09	0.8

Jennings PS Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/8/2016 13:10	0.32	19.25	0.07	7.5
2	1/10/2016 2:55	0.47	11.25	0.08	0.8
3	1/12/2016 3:20	0.09	10.08	0.05	1.5
4	1/15/2016 19:55	0.14	2.42	0.07	3.3
5	1/17/2016 12:10	0.02	9.58	0.01	1.6
6	1/29/2016 3:05	0.02	0.42	0.02	11.2
7	1/31/2016 23:30	0.07	3.00	0.06	2.8
8	2/2/2016 21:45	0.57	8.58	0.20	1.8
9	2/8/2016 6:20	0.57	17.75	0.11	5.0
10	2/9/2016 16:50	0.33	29.08	0.08	0.7
11	2/12/2016 18:10	0.05	5.08	0.04	1.8
12	2/16/2016 2:20	0.27	15.25	0.21	3.1
13	2/24/2016 4:20	1.26	35.83	0.34	7.4
14	2/26/2016 7:30	0.01	0.08	0.01	0.6
15	2/29/2016 2:35	0.09	0.58	0.09	2.8
16	3/1/2016 15:00	0.33	5.17	0.14	1.5
17	3/3/2016 17:45	0.09	10.08	0.02	1.9
18	3/5/2016 14:25	0.04	6.75	0.02	1.4
19	3/9/2016 20:00	1.02	27.25	0.19	4.0
20	3/13/2016 3:25	0.68	21.33	0.15	2.2
21	3/14/2016 19:25	0.49	10.92	0.39	0.8
22	3/16/2016 0:50	0.16	1.17	0.15	0.8
23	3/24/2016 17:30	0.53	11.00	0.34	8.6
24	3/28/2016 1:45	0.79	23.42	0.51	2.9
25	3/30/2016 23:45	0.32	23.75	0.06	1.9
26	4/1/2016 16:10	0.06	1.42	0.05	0.7
27	4/2/2016 15:35	0.33	5.83	0.16	0.9
28	4/4/2016 11:15	0.01	0.08	0.01	1.6
29	4/6/2016 14:25	0.89	34.42	0.21	2.1
30	4/8/2016 21:20	0.63	9.92	0.12	0.9
31	4/10/2016 22:10	0.51	20.50	0.14	1.6
32	4/21/2016 11:25	0.10	9.42	0.04	9.7
33	4/25/2016 21:45	0.49	7.33	0.29	4.0
34	4/28/2016 8:50	0.24	23.17	0.07	2.2
35	4/30/2016 16:40	0.54	15.25	0.15	1.4
36	5/2/2016 1:20	0.80	3.75	0.40	0.7
37	5/4/2016 21:35	0.06	12.50	0.03	2.7
38	5/10/2016 9:55	0.01	0.08	0.01	5.0

Jennings PS Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	5/12/2016 9:20	0.86	17.92	0.46	2.0
40	5/14/2016 5:55	1.11	38.83	0.15	1.1
41	5/17/2016 6:55	0.02	1.33	0.01	1.4
42	5/21/2016 1:05	0.06	10.58	0.02	3.7
43	5/29/2016 21:15	0.40	0.75	0.40	8.4
44	6/4/2016 17:50	0.57	23.92	0.27	5.8
45	6/6/2016 21:20	0.01	0.08	0.01	1.1
46	6/8/2016 1:00	0.04	2.50	0.03	1.1
47	6/16/2016 7:30	0.38	7.00	0.35	8.2
48	6/23/2016 1:55	0.24	13.08	0.11	6.5
49	6/25/2016 1:45	0.02	0.08	0.02	1.4
50	7/1/2016 9:00	0.04	0.75	0.04	6.3
51	7/4/2016 18:20	0.04	1.83	0.03	3.4
52	7/7/2016 6:35	0.01	0.08	0.01	2.4
53	7/8/2016 5:10	0.18	0.50	0.18	0.9
54	7/9/2016 2:05	0.01	0.08	0.01	0.9
55	7/13/2016 22:10	0.09	1.58	0.08	4.8
56	7/16/2016 8:40	0.19	3.25	0.18	2.4
57	7/18/2016 5:25	0.41	1.42	0.38	1.7
58	7/24/2016 13:15	0.02	0.75	0.02	6.3
59	7/30/2016 4:20	0.26	13.58	0.20	5.6
60	7/31/2016 13:00	0.03	1.75	0.02	0.8
61	8/5/2016 15:30	0.06	0.33	0.06	5.0
62	8/9/2016 21:35	0.93	4.08	0.92	4.2
63	8/10/2016 15:50	0.80	4.00	0.64	0.6
64	8/11/2016 16:55	0.66	5.75	0.47	0.9
65	8/12/2016 13:05	1.29	52.33	0.43	0.6
66	8/15/2016 8:25	0.01	0.08	0.01	0.6
67	8/16/2016 15:05	0.10	2.33	0.05	1.3
68	8/21/2016 22:05	0.06	9.67	0.04	5.2
69	8/25/2016 0:40	0.57	1.92	0.56	2.7
70	8/25/2016 17:40	0.03	0.58	0.03	0.6
71	8/27/2016 20:05	0.07	0.83	0.07	2.1
72	9/1/2016 21:15	0.04	0.25	0.04	5.0
73	9/6/2016 10:35	0.01	0.08	0.01	4.5
74	9/7/2016 7:30	0.49	4.50	0.39	0.9
75	9/8/2016 14:40	0.62	13.83	0.40	1.1
76	9/10/2016 4:50	0.88	16.58	0.43	1.0

Jennings PS Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	9/14/2016 11:15	0.01	0.08	0.01	3.6
78	9/15/2016 7:50	0.01	0.08	0.01	0.9
79	9/17/2016 3:45	0.93	6.00	0.63	1.8
80	9/26/2016 8:45	0.29	4.83	0.19	9.0
81	9/28/2016 20:50	2.03	44.83	0.64	2.3
82	10/2/2016 4:50	0.69	9.00	0.66	1.5
83	10/12/2016 23:15	0.28	5.83	0.19	10.4
84	10/16/2016 21:20	0.15	2.92	0.13	3.7
85	10/18/2016 19:25	0.12	1.83	0.08	1.8
86	10/20/2016 4:10	2.33	47.92	0.45	1.3
87	10/26/2016 13:20	0.30	18.08	0.12	4.4
88	10/27/2016 23:55	0.01	0.08	0.01	0.7
89	10/30/2016 10:35	0.18	7.25	0.15	2.4
90	11/2/2016 23:50	0.44	8.92	0.20	3.3
91	11/8/2016 15:25	0.71	20.33	0.37	5.3
92	11/19/2016 6:05	0.31	15.50	0.14	9.8
93	11/20/2016 13:50	0.01	0.08	0.01	0.7
94	11/23/2016 13:00	0.31	39.08	0.07	3.0
95	11/25/2016 21:50	0.07	20.58	0.02	0.7
96	11/28/2016 22:00	0.12	2.00	0.08	2.1
97	11/30/2016 17:55	0.34	2.83	0.21	1.7
98	12/2/2016 14:15	0.04	0.33	0.04	1.7
99	12/4/2016 20:10	0.12	2.67	0.09	2.2
100	12/6/2016 11:10	0.52	7.00	0.20	1.5
101	12/9/2016 20:15	0.05	0.58	0.05	3.1
102	12/11/2016 3:20	0.26	23.08	0.06	1.3
103	12/15/2016 2:20	0.47	8.83	0.14	3.0
104	12/16/2016 3:10	0.01	0.08	0.01	0.7
105	12/17/2016 3:10	0.73	30.00	0.27	1.0
106	12/24/2016 4:15	0.04	3.83	0.02	5.8
107	12/26/2016 19:55	0.25	2.25	0.17	2.5
108	12/29/2016 0:20	0.02	2.92	0.01	2.1
109	12/29/2016 19:30	0.06	7.08	0.03	0.7

Macedonia Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/4/2016 7:10	0.03	1.58	0.02	3.3
2	1/8/2016 13:10	0.25	18.83	0.08	4.2
3	1/10/2016 2:55	0.33	10.42	0.08	0.8
4	1/12/2016 3:20	0.09	5.67	0.03	1.6
5	1/13/2016 23:30	0.01	0.08	0.01	1.6
6	1/15/2016 20:00	0.06	2.25	0.04	1.9
7	1/17/2016 11:15	0.02	1.25	0.01	1.5
8	1/26/2016 0:50	0.01	0.08	0.01	8.5
9	1/29/2016 3:25	0.03	0.75	0.03	3.1
10	2/1/2016 0:10	0.03	0.50	0.03	2.8
11	2/2/2016 22:00	0.73	8.42	0.19	1.9
12	2/8/2016 10:05	0.32	14.50	0.10	5.2
13	2/9/2016 18:40	0.02	2.83	0.01	0.8
14	2/10/2016 13:40	0.22	10.58	0.10	0.7
15	2/12/2016 18:40	0.06	4.83	0.05	1.8
16	2/13/2016 21:45	0.03	4.42	0.01	0.9
17	2/16/2016 0:25	0.27	9.17	0.06	1.9
18	2/17/2016 14:20	0.01	0.08	0.01	1.2
19	2/24/2016 4:10	1.26	36.58	0.34	6.6
20	2/26/2016 6:25	0.01	0.08	0.01	0.6
21	2/29/2016 3:00	0.06	1.08	0.06	2.9
22	3/1/2016 14:55	0.35	17.42	0.14	1.5
23	3/3/2016 17:55	0.09	11.33	0.02	1.4
24	3/5/2016 16:50	0.02	4.00	0.01	1.5
25	3/7/2016 21:35	0.01	0.08	0.01	2.0
26	3/9/2016 20:10	1.00	27.25	0.18	1.9
27	3/13/2016 5:40	0.34	20.75	0.10	2.3
28	3/14/2016 19:20	0.37	13.08	0.30	0.7
29	3/16/2016 1:45	0.05	9.00	0.04	0.7
30	3/24/2016 20:25	0.50	4.33	0.35	8.4
31	3/28/2016 1:25	0.64	23.92	0.38	3.0
32	3/31/2016 0:30	0.34	23.33	0.15	2.0
33	4/1/2016 16:15	0.09	1.00	0.09	0.7
34	4/2/2016 15:50	0.27	7.33	0.10	0.9
35	4/6/2016 15:35	0.82	37.42	0.10	3.7
36	4/8/2016 21:10	0.33	11.58	0.12	0.7
37	4/10/2016 22:35	0.62	20.42	0.17	1.6
38	4/21/2016 13:15	0.39	28.75	0.20	9.8

Macedonia Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	4/26/2016 3:50	0.39	3.42	0.31	3.4
40	4/28/2016 9:30	0.25	21.67	0.07	2.1
41	4/30/2016 17:05	0.42	14.67	0.10	1.4
42	5/2/2016 1:25	0.57	3.83	0.26	0.7
43	5/4/2016 21:25	0.10	6.33	0.07	2.7
44	5/10/2016 5:35	0.03	5.17	0.01	5.1
45	5/12/2016 9:40	0.02	0.50	0.02	2.0
46	5/12/2016 23:00	0.76	4.42	0.41	0.5
47	5/14/2016 6:05	0.67	29.58	0.22	1.1
48	5/20/2016 23:40	0.12	13.17	0.04	5.5
49	5/29/2016 21:40	0.23	0.58	0.23	8.4
50	6/2/2016 5:40	0.07	1.92	0.06	3.3
51	6/4/2016 20:15	0.96	21.67	0.70	2.5
52	6/6/2016 21:05	0.04	0.50	0.04	1.1
53	6/7/2016 23:10	0.31	5.08	0.14	1.1
54	6/15/2016 3:15	0.04	0.25	0.04	7.0
55	6/16/2016 7:45	0.49	7.92	0.27	1.2
56	6/21/2016 1:55	0.07	0.92	0.07	4.4
57	6/23/2016 0:40	0.25	12.42	0.13	1.9
58	7/1/2016 7:20	0.12	3.08	0.08	7.8
59	7/4/2016 18:10	0.13	10.75	0.05	3.3
60	7/6/2016 19:45	0.18	4.00	0.17	1.6
61	7/7/2016 14:05	0.49	5.92	0.48	0.6
62	7/8/2016 23:35	0.16	0.75	0.16	1.1
63	7/13/2016 22:15	0.54	8.25	0.45	4.9
64	7/18/2016 5:40	0.21	1.50	0.20	4.0
65	7/24/2016 12:45	0.36	1.25	0.35	6.2
66	7/29/2016 13:45	0.17	1.08	0.17	5.0
67	7/30/2016 14:55	0.09	3.17	0.06	1.0
68	7/31/2016 17:05	0.43	1.75	0.28	1.0
69	8/9/2016 21:40	0.12	1.25	0.11	9.1
70	8/10/2016 16:30	0.53	2.25	0.37	0.7
71	8/11/2016 13:25	0.91	4.33	0.90	0.8
72	8/12/2016 13:25	1.26	49.25	0.82	0.8
73	8/15/2016 7:25	0.03	5.67	0.02	0.7
74	8/16/2016 15:20	0.02	0.25	0.02	1.1
75	8/17/2016 17:30	0.58	0.50	0.58	1.1
76	8/21/2016 1:20	0.01	0.08	0.01	3.3

Macedonia Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	8/21/2016 22:30	0.05	7.33	0.03	0.9
78	8/25/2016 1:00	0.23	1.50	0.22	2.8
79	8/25/2016 19:00	0.01	0.08	0.01	0.7
80	8/31/2016 14:05	1.08	0.67	1.08	5.8
81	9/1/2016 23:05	0.08	0.17	0.08	1.3
82	9/6/2016 10:10	0.06	9.50	0.05	4.5
83	9/7/2016 7:55	0.18	1.17	0.16	0.5
84	9/8/2016 15:05	0.27	13.08	0.18	1.3
85	9/10/2016 5:00	0.41	0.50	0.41	1.0
86	9/10/2016 17:30	0.63	5.25	0.48	0.5
87	9/14/2016 11:40	0.13	0.75	0.13	3.5
88	9/17/2016 8:45	0.10	13.00	0.07	2.8
89	9/26/2016 9:55	0.22	5.50	0.07	8.5
90	9/28/2016 16:45	2.20	48.92	0.42	2.1
91	10/2/2016 5:05	0.19	0.92	0.19	1.5
92	10/4/2016 7:45	0.01	0.08	0.01	2.1
93	10/13/2016 3:05	0.21	5.92	0.11	8.8
94	10/16/2016 21:25	0.05	3.42	0.03	3.5
95	10/18/2016 19:45	0.18	13.08	0.12	1.8
96	10/20/2016 4:20	2.50	48.83	0.82	0.8
97	10/30/2016 10:45	0.30	8.08	0.24	8.2
98	11/3/2016 2:20	0.15	7.25	0.10	3.3
99	11/8/2016 17:20	0.96	12.67	0.41	5.3
100	11/11/2016 11:10	0.01	0.08	0.01	2.2
101	11/17/2016 20:20	0.01	0.08	0.01	6.4
102	11/19/2016 6:35	0.41	32.50	0.14	1.4
103	11/23/2016 13:00	0.25	42.67	0.07	2.9
104	11/26/2016 10:00	0.01	0.08	0.01	1.1
105	11/28/2016 11:30	0.15	12.83	0.11	2.1
106	11/30/2016 18:40	0.24	2.75	0.21	1.8
107	12/2/2016 15:00	0.05	3.42	0.03	1.7
108	12/4/2016 20:50	0.09	2.67	0.06	2.1
109	12/6/2016 10:25	0.45	6.67	0.18	1.5
110	12/11/2016 3:40	0.41	22.50	0.09	4.4
111	12/12/2016 19:20	0.01	0.08	0.01	0.7
112	12/15/2016 7:05	0.03	3.92	0.02	2.5
113	12/17/2016 3:00	1.12	30.33	0.34	1.7
114	12/24/2016 3:15	0.12	5.33	0.03	5.7

Macedonia Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
115	12/26/2016 3:35	0.40	19.33	0.19	1.8
116	12/29/2016 0:15	0.08	4.00	0.05	2.1
117	12/29/2016 20:20	0.20	12.92	0.10	0.7

Maple Heights Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/3/2016 13:10	0.01	0.08	0.01	2.5
2	1/4/2016 8:25	0.01	0.08	0.01	0.8
3	1/8/2016 13:15	0.27	20.92	0.07	4.2
4	1/10/2016 3:05	0.32	10.50	0.07	0.7
5	1/12/2016 4:25	0.02	4.33	0.01	1.6
6	1/15/2016 20:00	0.10	2.33	0.06	3.5
7	1/17/2016 11:45	0.02	1.00	0.02	1.6
8	1/29/2016 3:15	0.01	0.08	0.01	11.6
9	1/31/2016 23:30	0.10	1.75	0.09	2.8
10	2/2/2016 21:50	0.56	8.50	0.15	1.9
11	2/4/2016 5:25	0.01	0.08	0.01	1.0
12	2/8/2016 6:50	0.42	17.58	0.10	4.1
13	2/9/2016 17:35	0.09	6.58	0.03	0.7
14	2/10/2016 12:25	0.16	10.17	0.09	0.5
15	2/12/2016 18:30	0.05	3.58	0.04	1.8
16	2/16/2016 2:20	0.21	7.17	0.06	3.2
17	2/24/2016 4:30	1.18	44.58	0.35	7.8
18	2/29/2016 2:45	0.07	0.67	0.07	3.1
19	3/1/2016 15:00	0.36	5.25	0.17	1.5
20	3/3/2016 18:50	0.05	8.08	0.01	1.9
21	3/5/2016 15:00	0.02	4.58	0.01	1.5
22	3/7/2016 20:50	0.01	0.08	0.01	2.1
23	3/9/2016 20:10	0.98	26.42	0.18	2.0
24	3/13/2016 4:30	0.53	20.08	0.16	2.2
25	3/14/2016 19:25	0.40	9.50	0.31	0.8
26	3/16/2016 0:55	0.04	1.00	0.04	0.8
27	3/16/2016 14:55	0.01	0.08	0.01	0.5
28	3/24/2016 17:45	0.45	5.33	0.33	8.1
29	3/28/2016 1:45	0.76	24.08	0.43	3.1
30	3/31/2016 0:25	0.31	23.17	0.08	1.9
31	4/1/2016 15:35	0.09	2.08	0.07	0.7
32	4/2/2016 15:45	0.23	6.25	0.10	0.9
33	4/6/2016 14:25	0.85	38.17	0.14	3.7
34	4/8/2016 21:50	0.40	10.00	0.10	0.7
35	4/10/2016 22:25	0.54	20.33	0.17	1.6
36	4/21/2016 11:30	0.11	30.42	0.03	9.7
37	4/25/2016 22:00	0.51	7.33	0.33	3.2
38	4/28/2016 11:00	0.28	20.58	0.09	2.2

Maple Heights Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	4/30/2016 17:20	0.50	14.67	0.12	1.4
40	5/2/2016 0:45	0.60	4.50	0.25	0.7
41	5/4/2016 21:40	0.03	1.17	0.02	2.7
42	5/12/2016 22:50	0.49	4.58	0.24	8.0
43	5/14/2016 6:05	1.01	37.17	0.14	1.1
44	5/17/2016 5:20	0.03	2.42	0.01	1.4
45	5/21/2016 0:25	0.07	3.83	0.03	3.7
46	5/29/2016 21:25	0.48	0.50	0.48	8.7
47	6/4/2016 19:50	0.79	21.83	0.33	5.9
48	6/6/2016 21:05	0.06	0.25	0.06	1.1
49	6/7/2016 23:30	0.07	4.08	0.04	1.1
50	6/16/2016 7:40	1.01	6.50	0.65	8.2
51	6/23/2016 2:00	0.18	13.17	0.10	6.5
52	6/27/2016 2:10	0.06	0.17	0.06	3.5
53	7/1/2016 6:55	0.08	2.83	0.06	4.2
54	7/4/2016 17:45	0.27	3.00	0.19	3.3
55	7/6/2016 18:55	0.04	2.08	0.02	1.9
56	7/8/2016 4:50	0.16	1.00	0.16	1.3
57	7/8/2016 23:15	0.06	5.00	0.05	0.7
58	7/13/2016 22:20	0.48	1.25	0.47	4.8
59	7/16/2016 8:30	0.07	0.75	0.07	2.4
60	7/18/2016 6:00	0.16	1.00	0.16	1.9
61	7/24/2016 13:25	0.08	0.25	0.08	6.3
62	7/29/2016 12:45	0.92	13.33	0.88	5.0
63	7/30/2016 14:10	1.05	14.33	0.92	0.5
64	8/9/2016 20:45	0.67	2.08	0.56	9.7
65	8/10/2016 14:30	0.71	5.17	0.41	0.7
66	8/11/2016 13:10	0.53	9.92	0.28	0.7
67	8/12/2016 19:15	0.04	0.17	0.04	0.8
68	8/13/2016 14:40	0.28	21.92	0.11	0.8
69	8/15/2016 7:50	0.01	0.08	0.01	0.8
70	8/16/2016 15:25	0.05	1.83	0.03	1.3
71	8/17/2016 17:05	0.06	0.17	0.06	1.0
72	8/19/2016 15:45	0.23	3.17	0.12	1.9
73	8/21/2016 22:05	0.16	15.50	0.12	2.1
74	8/25/2016 0:50	0.49	0.83	0.49	2.5
75	8/25/2016 18:15	0.03	0.17	0.03	0.7
76	9/7/2016 7:55	0.10	0.17	0.10	12.6

Maple Heights Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	9/8/2016 15:10	0.36	4.25	0.16	1.3
78	9/10/2016 5:00	0.75	16.42	0.43	1.4
79	9/17/2016 4:05	0.42	5.83	0.17	6.3
80	9/26/2016 9:45	0.21	3.17	0.14	9.0
81	9/28/2016 20:35	1.68	45.17	0.35	2.3
82	10/2/2016 5:05	0.17	1.17	0.16	1.5
83	10/4/2016 5:30	0.01	0.08	0.01	2.0
84	10/12/2016 23:50	0.27	9.17	0.15	8.8
85	10/16/2016 23:00	0.15	9.75	0.11	3.6
86	10/18/2016 19:00	0.14	10.17	0.11	1.4
87	10/20/2016 4:10	2.10	47.83	0.41	1.0
88	10/26/2016 13:35	0.43	19.92	0.26	4.4
89	10/28/2016 0:10	0.03	0.42	0.03	0.6
90	10/30/2016 10:35	0.17	7.58	0.11	2.4
91	11/3/2016 0:00	0.48	8.50	0.18	3.2
92	11/8/2016 16:00	0.44	14.42	0.20	5.3
93	11/19/2016 6:30	0.25	14.58	0.09	10.0
94	11/23/2016 12:50	0.29	38.17	0.08	3.7
95	11/25/2016 22:15	0.10	12.42	0.05	0.8
96	11/28/2016 11:30	0.12	12.42	0.08	2.0
97	11/30/2016 18:15	0.27	2.25	0.18	1.8
98	12/2/2016 14:25	0.04	0.33	0.04	1.7
99	12/4/2016 20:25	0.07	2.83	0.04	2.2
100	12/6/2016 11:05	0.42	6.33	0.17	1.5
101	12/11/2016 7:10	0.18	19.08	0.04	4.6
102	12/15/2016 2:40	0.17	4.25	0.07	3.0
103	12/17/2016 2:50	0.84	30.33	0.33	1.8
104	12/19/2016 20:20	0.01	0.08	0.01	1.5
105	12/24/2016 4:05	0.04	4.08	0.01	4.3
106	12/26/2016 11:45	0.27	10.75	0.17	2.1
107	12/29/2016 0:15	0.05	4.00	0.02	2.1
108	12/29/2016 19:50	0.09	7.33	0.06	0.6

Mayfield Heights Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/3/2016 12:00	0.01	0.08	0.01	2.5
2	1/4/2016 7:25	0.02	0.58	0.02	0.8
3	1/8/2016 13:35	0.34	18.50	0.12	4.2
4	1/10/2016 3:00	0.51	16.17	0.11	0.8
5	1/12/2016 3:35	0.07	6.25	0.04	1.4
6	1/13/2016 23:20	0.01	0.08	0.01	1.6
7	1/15/2016 20:10	0.20	6.50	0.09	1.9
8	1/16/2016 15:25	0.01	0.08	0.01	0.5
9	1/17/2016 12:30	0.03	8.33	0.01	0.9
10	1/19/2016 4:05	0.03	8.42	0.01	1.3
11	1/28/2016 20:55	0.09	8.08	0.05	9.4
12	1/31/2016 23:25	0.11	2.00	0.10	2.8
13	2/2/2016 22:00	0.69	8.42	0.22	1.9
14	2/4/2016 6:40	0.15	20.25	0.04	1.0
15	2/8/2016 10:40	0.39	15.42	0.10	3.3
16	2/9/2016 16:00	0.31	28.42	0.08	0.6
17	2/12/2016 18:20	0.02	0.25	0.02	1.9
18	2/15/2016 5:30	0.01	0.08	0.01	2.5
19	2/16/2016 2:20	0.25	7.33	0.06	0.9
20	2/17/2016 13:35	0.01	0.08	0.01	1.2
21	2/24/2016 4:50	1.35	35.58	0.38	6.6
22	2/29/2016 2:50	0.11	3.50	0.10	3.4
23	3/1/2016 15:15	0.37	5.08	0.16	1.4
24	3/3/2016 16:45	0.07	10.42	0.02	1.9
25	3/5/2016 16:45	0.02	2.67	0.01	1.6
26	3/7/2016 22:00	0.01	0.08	0.01	2.1
27	3/9/2016 19:50	1.20	26.75	0.17	1.9
28	3/13/2016 4:40	0.56	21.17	0.15	2.3
29	3/14/2016 19:30	0.51	12.33	0.39	0.7
30	3/16/2016 1:45	0.22	13.42	0.18	0.7
31	3/24/2016 17:50	0.61	6.92	0.44	8.1
32	3/28/2016 2:00	0.88	23.25	0.62	3.1
33	3/31/2016 0:25	0.33	26.33	0.08	2.0
34	4/1/2016 16:30	0.42	48.25	0.09	0.6
35	4/6/2016 14:40	1.33	74.08	0.17	2.9
36	4/10/2016 10:00	0.76	32.83	0.17	0.7
37	4/21/2016 13:20	0.08	7.50	0.02	9.8
38	4/26/2016 3:35	0.41	2.83	0.30	4.3

Mayfield Heights Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	4/28/2016 9:45	0.15	23.00	0.05	2.1
40	4/30/2016 17:40	0.58	14.83	0.16	1.4
41	5/2/2016 1:40	0.69	3.75	0.34	0.7
42	5/5/2016 5:35	0.04	2.33	0.02	3.0
43	5/7/2016 15:35	0.01	0.08	0.01	2.3
44	5/10/2016 7:05	0.01	0.08	0.01	2.6
45	5/12/2016 22:55	0.76	4.67	0.53	2.7
46	5/14/2016 6:10	1.00	29.92	0.30	1.1
47	5/17/2016 8:05	0.05	2.17	0.04	1.8
48	5/21/2016 2:45	0.02	1.67	0.01	3.7
49	5/29/2016 21:15	0.87	6.50	0.86	8.7
50	6/4/2016 19:05	0.40	22.58	0.17	5.6
51	6/6/2016 21:10	0.03	1.08	0.03	1.1
52	6/7/2016 20:30	0.21	7.08	0.17	0.9
53	6/16/2016 7:35	0.08	0.50	0.08	8.2
54	6/21/2016 1:25	0.18	2.00	0.17	4.7
55	6/23/2016 12:05	0.01	0.08	0.01	2.4
56	6/27/2016 2:05	0.06	0.58	0.06	3.6
57	7/1/2016 7:55	0.10	2.00	0.09	4.2
58	7/4/2016 17:50	0.26	3.83	0.14	3.3
59	7/6/2016 19:15	0.15	0.33	0.15	1.9
60	7/8/2016 2:00	0.14	4.42	0.09	1.3
61	7/13/2016 22:35	0.20	7.42	0.18	5.7
62	7/15/2016 2:00	0.11	0.17	0.11	0.8
63	7/16/2016 10:00	0.17	2.08	0.11	1.3
64	7/18/2016 5:50	0.27	1.17	0.26	1.7
65	7/22/2016 6:30	0.03	0.17	0.03	4.0
66	7/29/2016 13:50	0.52	28.58	0.26	7.3
67	7/31/2016 12:25	0.05	1.08	0.05	0.8
68	8/9/2016 22:05	0.33	0.92	0.33	9.4
69	8/10/2016 13:50	0.06	5.92	0.04	0.6
70	8/11/2016 13:30	0.85	10.42	0.38	0.7
71	8/12/2016 19:30	0.17	8.25	0.13	0.8
72	8/13/2016 16:30	1.02	22.25	0.57	0.5
73	8/15/2016 9:30	0.01	0.08	0.01	0.8
74	8/16/2016 15:35	0.16	2.50	0.14	1.3
75	8/19/2016 14:50	0.32	2.25	0.31	2.9
76	8/21/2016 19:45	0.41	12.08	0.33	2.1

Mayfield Heights Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	8/25/2016 1:05	0.53	5.92	0.52	2.7
78	8/27/2016 20:55	0.02	8.42	0.01	2.6
79	9/7/2016 7:05	0.25	1.50	0.24	10.1
80	9/8/2016 15:00	0.69	2.08	0.68	1.3
81	9/9/2016 5:15	0.01	0.08	0.01	0.5
82	9/10/2016 5:10	0.62	17.50	0.36	1.0
83	9/17/2016 4:05	0.77	6.17	0.51	6.2
84	9/26/2016 10:00	0.17	2.58	0.12	9.0
85	9/28/2016 21:00	1.70	30.08	0.51	2.4
86	9/30/2016 16:00	0.09	2.42	0.06	0.5
87	10/2/2016 4:00	0.19	2.50	0.18	1.4
88	10/3/2016 8:00	0.01	0.08	0.01	1.1
89	10/8/2016 5:15	0.03	1.17	0.02	4.9
90	10/12/2016 23:55	0.28	9.58	0.15	4.7
91	10/16/2016 23:20	0.18	1.42	0.17	3.6
92	10/18/2016 19:05	0.28	4.42	0.18	1.8
93	10/20/2016 4:40	2.26	50.08	0.33	1.2
94	10/26/2016 14:00	0.84	24.33	0.28	4.3
95	10/28/2016 2:30	0.01	0.08	0.01	0.5
96	10/30/2016 9:15	0.23	8.50	0.15	2.3
97	11/3/2016 2:00	0.41	7.00	0.19	3.3
98	11/8/2016 15:15	0.34	14.50	0.15	5.3
99	11/11/2016 10:50	0.02	0.25	0.02	2.2
100	11/19/2016 6:40	0.55	29.33	0.15	7.8
101	11/23/2016 13:00	0.39	43.50	0.08	3.0
102	11/25/2016 22:20	0.33	12.00	0.13	0.6
103	11/28/2016 11:35	0.13	12.42	0.09	2.1
104	11/30/2016 18:10	0.41	7.08	0.24	1.8
105	12/2/2016 13:55	0.09	3.08	0.07	1.5
106	12/4/2016 20:15	0.11	4.33	0.06	2.1
107	12/6/2016 11:40	0.46	5.25	0.16	1.5
108	12/8/2016 19:25	0.02	4.50	0.01	2.1
109	12/10/2016 0:10	0.04	3.33	0.02	1.0
110	12/11/2016 3:05	0.40	23.33	0.10	1.0
111	12/15/2016 1:40	0.04	11.92	0.03	3.0
112	12/17/2016 2:20	0.85	30.92	0.30	1.5
113	12/24/2016 5:15	0.04	3.17	0.03	5.8
114	12/26/2016 12:05	0.31	10.92	0.16	2.2

Mayfield Heights Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
115	12/29/2016 0:30	0.07	3.75	0.03	2.1
116	12/29/2016 21:10	0.05	6.25	0.03	0.7

Moreland Hills Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/3/2016 12:25	0.03	1.33	0.02	2.5
2	1/4/2016 6:30	0.04	2.00	0.03	0.7
3	1/8/2016 13:25	0.34	20.83	0.10	4.2
4	1/10/2016 2:45	0.65	19.50	0.15	0.7
5	1/12/2016 3:35	0.10	6.33	0.05	1.2
6	1/13/2016 23:05	0.02	0.75	0.02	1.5
7	1/15/2016 20:15	0.13	13.58	0.06	1.9
8	1/17/2016 12:10	0.10	11.42	0.04	1.1
9	1/19/2016 3:35	0.05	7.00	0.01	1.2
10	1/26/2016 0:25	0.02	0.25	0.02	6.6
11	1/28/2016 23:00	0.06	7.83	0.03	2.9
12	1/31/2016 23:35	0.12	2.00	0.11	2.7
13	2/2/2016 22:10	0.69	8.42	0.18	1.9
14	2/4/2016 5:45	0.08	20.67	0.03	1.0
15	2/8/2016 10:30	0.36	13.92	0.10	3.3
16	2/9/2016 14:50	0.67	32.58	0.11	0.6
17	2/11/2016 12:00	0.01	0.08	0.01	0.5
18	2/12/2016 18:25	0.09	4.92	0.07	1.3
19	2/13/2016 14:10	0.04	3.50	0.02	0.6
20	2/15/2016 2:55	0.02	2.50	0.01	1.4
21	2/16/2016 1:15	0.29	8.33	0.07	0.8
22	2/17/2016 9:10	0.01	0.08	0.01	1.0
23	2/24/2016 4:15	1.66	45.25	0.39	6.8
24	2/29/2016 3:00	0.12	0.83	0.12	3.1
25	3/1/2016 15:00	0.42	17.58	0.15	1.5
26	3/3/2016 16:55	0.11	11.67	0.02	1.3
27	3/5/2016 16:05	0.02	3.83	0.01	1.5
28	3/7/2016 20:55	0.01	0.08	0.01	2.0
29	3/9/2016 20:05	1.14	27.25	0.19	2.0
30	3/13/2016 5:40	0.50	20.67	0.11	2.3
31	3/14/2016 19:35	0.56	3.08	0.47	0.7
32	3/16/2016 1:10	0.07	8.42	0.05	1.1
33	3/24/2016 19:30	0.53	5.42	0.37	8.4
34	3/28/2016 1:30	0.80	11.25	0.44	3.0
35	3/31/2016 0:20	0.37	23.50	0.12	2.5
36	4/1/2016 15:45	0.13	1.58	0.11	0.7
37	4/2/2016 15:35	0.49	8.75	0.23	0.9
38	4/4/2016 12:25	0.01	0.08	0.01	1.5

Moreland Hills Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	4/6/2016 14:35	0.92	38.67	0.16	2.1
40	4/8/2016 21:25	0.66	11.42	0.13	0.7
41	4/10/2016 22:30	0.69	20.58	0.21	1.6
42	4/21/2016 13:05	0.10	28.50	0.02	9.8
43	4/25/2016 22:05	0.63	7.42	0.31	3.2
44	4/28/2016 9:30	0.28	23.25	0.08	2.2
45	4/30/2016 17:35	0.60	14.92	0.17	1.4
46	5/2/2016 1:45	0.57	3.75	0.26	0.7
47	5/4/2016 21:35	0.03	4.58	0.02	2.7
48	5/10/2016 6:10	0.02	0.92	0.02	5.2
49	5/12/2016 22:55	0.87	4.83	0.63	2.7
50	5/14/2016 6:15	1.49	37.75	0.17	1.1
51	5/17/2016 4:25	0.12	5.08	0.07	1.4
52	5/21/2016 0:35	0.06	12.08	0.03	3.6
53	5/29/2016 21:40	0.54	0.50	0.54	8.4
54	6/4/2016 18:15	0.87	23.58	0.32	5.8
55	6/6/2016 21:00	0.29	7.83	0.28	1.1
56	6/8/2016 0:55	0.08	3.75	0.04	0.8
57	6/15/2016 4:50	0.04	0.92	0.04	7.0
58	6/16/2016 7:35	0.69	6.83	0.53	1.1
59	6/23/2016 2:15	0.12	9.50	0.05	6.5
60	6/27/2016 0:50	0.05	1.67	0.03	3.5
61	7/1/2016 7:05	0.09	2.67	0.06	4.2
62	7/4/2016 18:00	0.21	11.08	0.14	3.3
63	7/8/2016 5:05	0.19	1.25	0.18	3.0
64	7/8/2016 23:30	0.14	2.58	0.13	0.7
65	7/13/2016 22:25	0.55	8.08	0.50	4.8
66	7/16/2016 8:20	0.10	1.17	0.09	2.1
67	7/18/2016 5:40	0.38	1.50	0.33	1.8
68	7/22/2016 6:50	0.14	0.25	0.14	4.0
69	7/29/2016 14:20	0.05	1.17	0.04	7.3
70	7/30/2016 14:15	1.78	4.25	1.68	0.9
71	8/9/2016 22:05	0.09	0.83	0.09	10.1
72	8/10/2016 14:20	0.16	11.33	0.07	0.6
73	8/11/2016 14:50	0.30	4.00	0.26	0.5
74	8/13/2016 3:00	0.88	39.25	0.39	1.3
75	8/15/2016 7:25	0.02	1.25	0.01	0.5
76	8/16/2016 15:30	0.26	1.92	0.23	1.3

Moreland Hills Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	8/19/2016 17:30	0.59	13.75	0.46	3.0
78	8/21/2016 22:50	0.20	9.17	0.12	1.6
79	8/25/2016 1:05	0.37	1.00	0.37	2.7
80	8/25/2016 18:05	0.17	0.50	0.17	0.7
81	8/28/2016 4:55	0.01	0.08	0.01	2.4
82	9/1/2016 22:15	0.31	7.50	0.30	4.7
83	9/7/2016 7:30	0.75	1.42	0.74	5.1
84	9/8/2016 15:15	0.57	13.83	0.32	1.3
85	9/10/2016 5:05	1.49	15.92	1.06	1.0
86	9/12/2016 8:15	0.01	0.08	0.01	1.5
87	9/17/2016 4:25	0.56	17.25	0.23	4.8
88	9/19/2016 7:15	0.01	0.08	0.01	1.4
89	9/26/2016 9:10	0.37	4.42	0.22	7.1
90	9/28/2016 16:55	1.76	49.00	0.45	2.1
91	10/2/2016 5:10	0.16	2.25	0.15	1.5
92	10/3/2016 9:15	0.01	0.08	0.01	1.1
93	10/8/2016 5:45	0.01	0.08	0.01	4.9
94	10/12/2016 23:45	0.34	9.50	0.18	4.7
95	10/16/2016 22:25	0.09	10.50	0.06	3.5
96	10/18/2016 19:40	0.14	3.75	0.12	1.4
97	10/20/2016 3:55	2.48	50.67	0.46	1.2
98	10/23/2016 9:05	0.01	0.08	0.01	1.1
99	10/25/2016 17:35	0.01	0.08	0.01	2.4
100	10/26/2016 13:35	0.57	37.83	0.25	0.8
101	10/30/2016 10:50	0.13	7.42	0.09	2.3
102	11/3/2016 2:00	0.43	6.75	0.19	3.3
103	11/8/2016 16:00	0.29	15.58	0.14	5.3
104	11/19/2016 6:45	0.63	31.75	0.16	10.0
105	11/23/2016 13:00	0.39	42.17	0.08	2.9
106	11/25/2016 22:30	0.50	12.75	0.22	0.6
107	11/28/2016 11:35	0.14	12.50	0.10	2.0
108	11/30/2016 18:30	0.26	2.08	0.17	1.8
109	12/2/2016 14:20	0.06	0.67	0.06	1.7
110	12/4/2016 20:45	0.08	2.83	0.05	2.2
111	12/6/2016 11:05	0.47	7.08	0.17	1.5
112	12/9/2016 15:50	0.09	6.08	0.05	2.9
113	12/11/2016 3:25	0.37	23.33	0.08	1.2
114	12/15/2016 2:10	0.48	8.58	0.16	3.0

Moreland Hills Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
115	12/17/2016 2:35	1.06	31.58	0.36	1.7
116	12/24/2016 3:25	0.08	5.33	0.02	5.7
117	12/26/2016 3:50	0.36	19.08	0.17	1.8
118	12/29/2016 0:20	0.12	4.08	0.05	2.1
119	12/29/2016 19:40	0.17	12.58	0.07	0.6

North Olmsted Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/3/2016 13:00	0.02	5.50	0.01	2.5
2	1/8/2016 12:30	0.91	49.17	0.09	4.8
3	1/12/2016 3:10	0.07	5.83	0.03	1.6
4	1/15/2016 19:35	0.12	6.75	0.07	3.4
5	1/17/2016 11:00	0.02	10.25	0.01	1.4
6	1/25/2016 21:40	0.02	7.75	0.01	8.0
7	1/29/2016 2:30	0.02	0.83	0.02	2.9
8	1/31/2016 23:10	0.06	1.58	0.05	2.8
9	2/2/2016 21:35	0.52	5.92	0.17	1.9
10	2/3/2016 17:05	0.01	0.08	0.01	0.6
11	2/8/2016 5:55	0.50	17.58	0.10	4.5
12	2/9/2016 16:15	0.07	6.50	0.03	0.7
13	2/10/2016 17:55	0.12	5.42	0.07	0.8
14	2/12/2016 18:05	0.01	0.08	0.01	1.8
15	2/16/2016 2:20	0.17	7.00	0.06	3.3
16	2/24/2016 4:40	1.38	35.50	0.29	7.8
17	2/29/2016 2:20	0.09	1.08	0.09	3.4
18	3/1/2016 15:00	0.48	4.75	0.17	1.5
19	3/3/2016 17:10	0.11	10.00	0.02	1.9
20	3/5/2016 15:00	0.04	4.17	0.02	1.5
21	3/7/2016 21:10	0.01	0.08	0.01	2.1
22	3/9/2016 20:10	0.91	26.25	0.16	2.0
23	3/13/2016 3:05	0.65	22.25	0.12	2.2
24	3/14/2016 19:10	0.43	12.67	0.27	0.7
25	3/16/2016 0:30	0.07	1.00	0.07	0.7
26	3/16/2016 14:20	0.01	0.08	0.01	0.5
27	3/24/2016 17:25	0.49	10.75	0.32	8.1
28	3/28/2016 1:20	0.66	10.25	0.43	2.9
29	3/30/2016 23:30	0.38	13.83	0.08	2.5
30	4/1/2016 15:55	0.06	0.58	0.06	1.1
31	4/2/2016 15:10	0.31	7.25	0.10	0.9
32	4/4/2016 11:00	0.02	0.58	0.02	1.5
33	4/6/2016 12:45	1.56	38.33	0.40	2.0
34	4/8/2016 20:10	0.70	21.33	0.17	0.7
35	4/10/2016 22:00	0.37	20.25	0.09	1.2
36	4/21/2016 9:00	0.11	11.17	0.03	9.6
37	4/23/2016 3:55	0.01	0.08	0.01	1.3
38	4/25/2016 21:35	0.39	7.33	0.31	2.7

North Olmsted Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	4/28/2016 7:40	0.35	22.67	0.09	2.1
40	4/30/2016 16:30	0.62	14.92	0.16	1.4
41	5/2/2016 0:45	1.07	4.08	0.53	0.7
42	5/4/2016 13:40	0.45	17.83	0.16	2.4
43	5/10/2016 4:50	0.02	0.58	0.02	4.9
44	5/10/2016 18:15	0.01	0.08	0.01	0.5
45	5/12/2016 8:45	0.05	0.75	0.05	1.6
46	5/12/2016 22:20	0.55	4.58	0.29	0.5
47	5/14/2016 5:35	0.72	37.00	0.13	1.1
48	5/21/2016 0:25	0.05	11.33	0.02	5.2
49	6/2/2016 5:40	0.01	0.08	0.01	11.7
50	6/4/2016 19:35	0.43	21.58	0.24	2.6
51	6/6/2016 20:55	0.01	0.08	0.01	1.2
52	6/8/2016 2:50	0.01	0.08	0.01	1.2
53	6/16/2016 7:15	1.05	15.92	0.89	8.2
54	6/23/2016 0:10	0.40	12.42	0.19	6.0
55	6/27/2016 0:15	0.01	0.08	0.01	3.5
56	7/1/2016 7:05	0.06	2.25	0.05	4.3
57	7/5/2016 4:10	0.01	0.08	0.01	3.8
58	7/6/2016 19:50	0.41	0.33	0.41	1.6
59	7/8/2016 4:30	0.53	0.67	0.53	1.3
60	7/8/2016 22:50	0.05	1.00	0.05	0.7
61	7/13/2016 21:45	0.26	0.50	0.26	4.9
62	7/16/2016 6:55	0.08	1.33	0.07	2.4
63	7/17/2016 7:25	0.01	0.08	0.01	1.0
64	7/18/2016 5:15	0.49	1.33	0.46	0.9
65	7/30/2016 13:30	0.13	3.75	0.12	12.3
66	7/31/2016 12:15	0.11	0.50	0.11	0.8
67	8/5/2016 15:30	0.01	0.08	0.01	5.1
68	8/9/2016 21:25	0.97	0.67	0.97	4.2
69	8/10/2016 15:05	2.19	4.00	1.56	0.7
70	8/11/2016 14:25	0.75	9.58	0.19	0.8
71	8/12/2016 18:30	0.02	8.75	0.01	0.8
72	8/13/2016 16:00	0.23	21.00	0.09	0.5
73	8/15/2016 7:50	0.01	0.08	0.01	0.8
74	8/16/2016 4:55	0.20	12.08	0.14	0.9
75	8/17/2016 16:05	0.12	0.25	0.12	1.0
76	8/19/2016 13:30	0.10	0.17	0.10	1.9

North Olmsted Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	8/20/2016 20:15	0.04	2.08	0.03	1.3
78	8/21/2016 21:35	0.45	0.75	0.45	1.0
79	8/25/2016 0:20	0.40	0.67	0.40	3.1
80	8/27/2016 19:40	0.06	11.58	0.05	2.8
81	9/7/2016 7:00	0.16	4.67	0.14	10.0
82	9/8/2016 14:30	0.28	0.33	0.28	1.1
83	9/10/2016 4:30	0.85	21.25	0.48	1.6
84	9/14/2016 11:00	0.08	0.58	0.08	3.4
85	9/17/2016 2:55	1.42	6.58	0.56	2.6
86	10/4/2016 7:45	0.01	0.08	0.01	16.9
87	10/13/2016 1:40	0.14	2.75	0.07	8.7
88	10/16/2016 20:50	0.20	3.00	0.18	3.7
89	10/18/2016 18:40	0.10	2.50	0.05	1.8
90	10/20/2016 4:20	2.17	48.33	0.43	1.3
91	10/26/2016 13:00	0.28	19.50	0.14	4.3
92	10/28/2016 0:05	0.01	0.08	0.01	0.6
93	10/30/2016 10:15	0.18	4.58	0.14	2.4
94	11/2/2016 23:20	0.35	8.42	0.27	3.4
95	11/8/2016 14:55	0.42	20.92	0.09	5.3
96	11/19/2016 5:35	0.41	20.42	0.19	9.7
97	11/23/2016 12:50	0.29	37.33	0.08	3.5
98	11/26/2016 8:00	0.06	1.83	0.03	1.2
99	11/28/2016 11:25	0.19	16.33	0.07	2.1
100	11/30/2016 17:05	0.25	4.00	0.12	1.6
101	12/2/2016 14:10	0.10	3.67	0.06	1.7
102	12/4/2016 20:15	0.12	2.75	0.09	2.1
103	12/6/2016 11:30	0.49	5.33	0.20	1.5
104	12/11/2016 3:25	0.24	22.42	0.05	4.4
105	12/12/2016 19:30	0.01	0.08	0.01	0.7
106	12/15/2016 6:55	0.03	0.67	0.03	2.5
107	12/17/2016 2:30	0.73	26.92	0.28	1.8
108	12/24/2016 3:15	0.06	3.25	0.03	5.9
109	12/26/2016 19:35	0.24	2.17	0.19	2.5
110	12/29/2016 2:20	0.01	0.08	0.01	2.2
111	12/29/2016 19:20	0.20	8.83	0.11	0.7

North Royalton Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)

North Olmsted Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/3/2016 15:15	0.01	0.08	0.01	2.6
2	1/4/2016 8:50	0.02	0.33	0.02	0.7
3	1/8/2016 12:55	0.28	22.00	0.07	4.2
4	1/10/2016 2:55	0.39	10.67	0.08	0.7
5	1/12/2016 3:50	0.03	4.92	0.01	1.6
6	1/15/2016 19:40	0.14	2.67	0.07	3.5
7	1/17/2016 11:50	0.01	0.08	0.01	1.6
8	1/26/2016 4:40	0.01	0.08	0.01	8.7
9	1/28/2016 18:50	0.02	8.92	0.01	2.6
10	1/31/2016 23:45	0.06	1.83	0.04	2.8
11	2/2/2016 21:40	0.50	8.58	0.14	1.8
12	2/8/2016 6:05	0.40	18.17	0.09	5.0
13	2/9/2016 18:35	0.02	1.00	0.02	0.8
14	2/10/2016 14:35	0.11	9.42	0.07	0.8
15	2/11/2016 12:10	0.07	15.33	0.04	0.5
16	2/12/2016 18:45	0.01	0.08	0.01	0.6
17	2/16/2016 1:45	0.19	7.50	0.05	3.3
18	2/17/2016 14:10	0.01	0.08	0.01	1.2
19	2/24/2016 4:15	1.20	36.75	0.32	6.6
20	2/29/2016 0:35	0.08	3.58	0.06	3.3
21	3/1/2016 14:45	0.31	5.25	0.13	1.4
22	3/2/2016 8:30	0.01	0.08	0.01	0.5
23	3/3/2016 16:50	0.10	13.42	0.02	1.3
24	3/5/2016 16:25	0.01	0.08	0.01	1.4
25	3/8/2016 8:35	0.01	0.08	0.01	2.7
26	3/9/2016 20:00	1.02	27.58	0.20	1.5
27	3/13/2016 4:55	0.57	19.08	0.14	2.2
28	3/14/2016 19:05	0.39	12.67	0.26	0.8
29	3/16/2016 0:50	0.04	0.83	0.04	0.7
30	3/24/2016 17:25	0.53	5.25	0.40	8.7
31	3/28/2016 1:40	0.88	10.25	0.68	3.1
32	3/30/2016 23:50	0.37	23.75	0.08	2.5
33	4/1/2016 15:55	0.17	1.17	0.16	0.7
34	4/2/2016 15:40	0.27	10.17	0.09	0.9
35	4/4/2016 11:30	0.01	0.08	0.01	1.4
36	4/6/2016 14:15	1.03	39.33	0.20	2.1
37	4/8/2016 21:05	0.32	12.50	0.10	0.6
38	4/10/2016 22:20	0.71	20.58	0.25	1.5

North Olmsted Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	4/21/2016 10:50	0.22	30.25	0.08	9.7
40	4/26/2016 3:40	0.36	1.58	0.29	3.4
41	4/28/2016 6:45	0.25	23.25	0.06	2.1
42	4/30/2016 16:35	0.38	10.92	0.10	1.4
43	5/2/2016 1:10	0.60	3.92	0.26	0.9
44	5/4/2016 19:25	0.14	10.67	0.04	2.6
45	5/10/2016 5:00	0.02	0.50	0.02	5.0
46	5/10/2016 19:10	0.01	0.08	0.01	0.6
47	5/12/2016 9:15	0.04	0.33	0.04	1.6
48	5/12/2016 22:50	0.60	4.50	0.36	0.6
49	5/14/2016 5:55	0.56	28.42	0.18	1.1
50	5/17/2016 5:20	0.03	9.17	0.02	1.8
51	5/21/2016 0:05	0.08	11.83	0.03	3.4
52	5/29/2016 21:25	0.31	0.33	0.31	8.4
53	6/4/2016 18:00	0.65	24.50	0.33	5.8
54	6/6/2016 20:50	0.17	6.17	0.16	1.1
55	6/7/2016 22:50	0.29	14.83	0.11	0.8
56	6/16/2016 7:35	1.88	8.25	1.10	7.7
57	6/21/2016 2:00	0.01	0.08	0.01	4.4
58	6/23/2016 0:20	0.39	22.17	0.20	1.9
59	7/1/2016 9:00	0.08	0.83	0.08	7.4
60	7/4/2016 17:40	0.16	17.83	0.06	3.3
61	7/6/2016 20:20	0.63	18.75	0.40	1.4
62	7/8/2016 4:45	0.06	2.00	0.05	0.6
63	7/8/2016 23:15	0.28	1.42	0.27	0.7
64	7/13/2016 22:05	0.44	9.50	0.40	4.9
65	7/18/2016 6:05	0.11	1.08	0.11	3.9
66	7/24/2016 12:10	0.91	1.58	0.88	6.2
67	7/29/2016 14:00	0.16	1.50	0.11	5.0
68	7/30/2016 14:00	1.49	4.08	1.35	0.9
69	7/31/2016 6:35	0.01	0.08	0.01	0.5
70	8/9/2016 20:15	1.03	23.17	0.48	9.6
71	8/11/2016 16:55	0.05	5.67	0.04	0.9
72	8/12/2016 18:45	0.03	0.17	0.03	0.8
73	8/13/2016 14:55	0.42	22.92	0.16	0.8
74	8/15/2016 4:50	0.05	8.25	0.03	0.6
75	8/16/2016 15:05	0.28	2.42	0.23	1.1
76	8/17/2016 17:05	0.15	0.33	0.15	1.0

North Olmsted Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	8/21/2016 22:25	0.03	2.17	0.02	4.2
78	8/25/2016 0:35	0.22	0.83	0.22	3.0
79	8/25/2016 18:05	0.03	0.67	0.03	0.7
80	8/27/2016 20:20	0.01	0.08	0.01	2.1
81	8/31/2016 13:55	0.17	1.92	0.13	3.7
82	9/1/2016 21:55	0.16	0.33	0.16	1.3
83	9/7/2016 7:40	0.39	3.08	0.29	5.4
84	9/8/2016 15:15	0.15	4.00	0.08	1.2
85	9/10/2016 4:45	0.23	0.33	0.23	1.4
86	9/10/2016 17:10	0.60	9.00	0.44	0.5
87	9/14/2016 11:10	0.28	0.92	0.28	3.4
88	9/17/2016 5:05	0.49	16.08	0.27	2.7
89	9/26/2016 9:40	0.37	5.42	0.21	8.5
90	9/28/2016 19:40	1.90	46.25	0.49	2.2
91	10/2/2016 4:40	0.17	0.92	0.17	1.4
92	10/3/2016 6:40	0.01	0.08	0.01	1.0
93	10/8/2016 5:05	0.01	0.08	0.01	4.9
94	10/12/2016 23:30	0.22	8.58	0.11	4.8
95	10/16/2016 23:45	0.05	0.50	0.05	3.7
96	10/18/2016 19:40	0.15	3.00	0.12	1.8
97	10/20/2016 4:25	2.45	49.42	0.56	1.2
98	10/27/2016 3:15	0.25	6.00	0.19	4.9
99	10/27/2016 23:50	0.02	0.42	0.02	0.6
100	10/30/2016 10:30	0.25	9.17	0.21	2.4
101	11/3/2016 1:40	0.27	8.83	0.20	3.3
102	11/8/2016 16:35	0.82	19.58	0.25	5.3
103	11/19/2016 6:20	0.28	20.00	0.13	9.8
104	11/23/2016 13:05	0.24	41.58	0.06	3.4
105	11/26/2016 8:35	0.03	2.58	0.02	1.1
106	11/28/2016 21:55	0.11	3.67	0.07	2.4
107	11/30/2016 18:15	0.24	2.42	0.17	1.7
108	12/2/2016 15:15	0.02	3.17	0.01	1.8
109	12/4/2016 20:00	0.07	3.25	0.04	2.1
110	12/6/2016 10:40	0.40	6.25	0.17	1.5
111	12/11/2016 13:10	0.28	13.08	0.07	4.8
112	12/15/2016 7:25	0.01	0.08	0.01	3.2
113	12/17/2016 2:35	0.81	25.92	0.28	1.8
114	12/24/2016 3:10	0.09	5.00	0.03	5.9

North Olmsted Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
115	12/26/2016 11:40	0.25	11.00	0.12	2.1
116	12/29/2016 0:00	0.04	2.67	0.03	2.1
117	12/29/2016 20:10	0.13	9.58	0.05	0.7

Oakwood Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/8/2016 13:20	0.31	20.50	0.10	7.6
2	1/10/2016 3:00	0.29	8.58	0.08	0.7
3	1/26/2016 0:30	0.01	0.08	0.01	15.5
4	1/29/2016 0:30	0.04	7.17	0.02	3.0
5	1/31/2016 23:45	0.07	2.00	0.06	2.7
6	2/2/2016 22:15	0.66	8.17	0.18	1.9
7	2/8/2016 10:15	0.24	14.50	0.08	5.2
8	2/9/2016 18:10	0.08	5.33	0.04	0.7
9	2/10/2016 14:15	0.30	9.42	0.10	0.6
10	2/12/2016 18:35	0.08	1.00	0.08	1.8
11	2/13/2016 18:55	0.03	5.17	0.01	1.0
12	2/16/2016 0:55	0.25	8.83	0.06	2.0
13	2/24/2016 4:15	1.26	36.58	0.34	7.8
14	2/29/2016 3:05	0.04	10.25	0.03	3.4
15	3/1/2016 15:00	0.35	12.08	0.16	1.1
16	3/3/2016 19:10	0.06	7.83	0.02	1.7
17	3/5/2016 17:10	0.02	4.00	0.01	1.6
18	3/7/2016 21:45	0.01	0.08	0.01	2.0
19	3/9/2016 20:10	1.02	26.75	0.18	1.9
20	3/13/2016 5:05	0.45	20.83	0.12	2.3
21	3/14/2016 19:25	0.42	2.83	0.35	0.7
22	3/16/2016 1:10	0.04	0.83	0.04	1.1
23	3/24/2016 19:25	0.48	5.25	0.36	8.7
24	3/28/2016 1:25	0.79	24.08	0.40	3.0
25	3/31/2016 0:30	0.30	23.25	0.13	2.0
26	4/1/2016 16:10	0.08	1.00	0.08	0.7
27	4/2/2016 15:35	0.27	9.75	0.11	0.9
28	4/6/2016 15:20	0.82	38.50	0.11	3.6
29	4/8/2016 22:00	0.33	10.25	0.10	0.7
30	4/10/2016 22:25	0.66	20.50	0.20	1.6
31	4/21/2016 14:55	0.66	26.83	0.56	9.8
32	4/26/2016 3:40	0.35	4.75	0.29	3.4
33	4/28/2016 9:55	0.11	4.42	0.07	2.1
34	4/29/2016 2:20	0.03	4.42	0.01	0.5
35	4/30/2016 16:55	0.50	16.17	0.11	1.4
36	5/2/2016 1:35	0.62	3.92	0.26	0.7
37	5/4/2016 21:40	0.05	8.33	0.03	2.7
38	5/10/2016 5:40	0.03	14.33	0.01	5.0

Oakwood Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	5/12/2016 22:50	0.91	4.67	0.59	2.1
40	5/14/2016 6:15	1.04	29.42	0.16	1.1
41	5/17/2016 6:40	0.01	0.08	0.01	1.8
42	5/20/2016 23:50	0.09	12.67	0.03	3.7
43	5/29/2016 21:35	0.32	0.50	0.32	8.4
44	6/2/2016 5:50	0.08	0.50	0.08	3.3
45	6/4/2016 19:45	0.72	22.08	0.34	2.6
46	6/6/2016 21:05	0.16	7.25	0.15	1.1
47	6/7/2016 23:35	0.19	5.67	0.08	0.8
48	6/16/2016 7:35	0.34	6.83	0.25	8.1
49	6/21/2016 1:50	0.11	0.17	0.11	4.5
50	6/23/2016 2:05	0.21	12.08	0.10	2.0
51	7/1/2016 9:15	0.04	0.83	0.04	7.8
52	7/4/2016 18:05	0.20	8.25	0.11	3.3
53	7/6/2016 22:30	0.01	0.08	0.01	1.8
54	7/8/2016 5:50	0.02	0.92	0.02	1.3
55	7/8/2016 23:30	0.45	3.67	0.44	0.7
56	7/13/2016 22:20	0.34	8.08	0.30	4.8
57	7/16/2016 8:25	0.03	0.25	0.03	2.1
58	7/18/2016 6:10	0.62	1.00	0.62	1.9
59	7/24/2016 14:40	0.01	0.08	0.01	6.3
60	7/29/2016 14:05	0.24	0.42	0.24	5.0
61	7/30/2016 14:30	0.84	4.33	0.83	1.0
62	8/18/2016 4:30	0.01	0.08	0.01	18.4
63	8/19/2016 19:15	0.01	0.08	0.01	1.6
64	8/21/2016 22:05	0.63	5.17	0.58	2.1
65	8/25/2016 1:05	0.21	0.75	0.21	2.9
66	8/25/2016 19:10	0.01	0.08	0.01	0.7
67	8/31/2016 13:55	0.11	0.67	0.11	5.8
68	9/1/2016 22:45	0.11	0.25	0.11	1.3
69	9/7/2016 8:20	0.14	4.42	0.07	5.4
70	9/8/2016 15:05	0.48	7.25	0.33	1.1
71	9/10/2016 4:55	0.44	0.50	0.44	1.3
72	9/10/2016 17:40	0.65	3.83	0.50	0.5
73	9/14/2016 11:35	0.12	1.08	0.12	3.6
74	9/17/2016 4:30	0.30	17.08	0.14	2.7
75	9/26/2016 9:55	0.33	5.50	0.20	8.5
76	9/28/2016 17:35	2.22	48.33	0.49	2.1

Oakwood Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	10/2/2016 5:15	0.22	1.92	0.21	1.5
78	10/4/2016 4:50	0.01	0.08	0.01	1.9
79	10/13/2016 0:10	0.36	9.50	0.17	8.8
80	10/16/2016 21:25	0.22	3.25	0.19	3.5
81	10/18/2016 19:40	0.14	2.42	0.11	1.8
82	10/20/2016 3:45	2.79	49.08	0.80	1.2
83	10/26/2016 13:30	0.02	1.50	0.01	4.4
84	10/27/2016 3:35	0.31	4.83	0.24	0.5
85	10/27/2016 23:45	0.08	4.17	0.06	0.6
86	10/30/2016 10:45	0.22	8.08	0.18	2.3
87	11/3/2016 1:55	0.26	6.83	0.13	3.3
88	11/8/2016 18:40	0.59	11.33	0.27	5.4
89	11/11/2016 10:25	0.02	0.58	0.02	2.2
90	11/19/2016 6:35	0.45	32.17	0.14	7.8
91	11/23/2016 13:00	0.21	26.92	0.06	2.9
92	11/26/2016 7:40	0.04	3.33	0.02	1.7
93	11/28/2016 11:30	0.14	13.00	0.10	2.0
94	11/30/2016 18:40	0.19	13.17	0.15	1.8
95	12/2/2016 14:50	0.01	0.08	0.01	1.3
96	12/4/2016 20:35	0.08	3.92	0.05	2.2
97	12/6/2016 10:55	0.37	6.25	0.15	1.4
98	12/11/2016 4:10	0.25	23.33	0.06	4.5
99	12/15/2016 4:55	0.14	6.00	0.09	3.1
100	12/17/2016 3:00	0.95	32.08	0.30	1.7
101	12/24/2016 3:30	0.07	4.92	0.03	5.7
102	12/26/2016 3:40	0.35	19.17	0.18	1.8
103	12/29/2016 0:15	0.10	3.83	0.06	2.1
104	12/29/2016 20:05	0.18	12.00	0.13	0.7

Olmsted Falls Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/8/2016 12:25	0.39	19.58	0.10	7.5
2	1/10/2016 2:45	0.51	11.50	0.08	0.8
3	1/12/2016 3:10	0.05	5.50	0.03	1.5
4	1/13/2016 23:30	0.01	0.08	0.01	1.6
5	1/15/2016 19:35	0.13	2.42	0.07	1.8
6	1/17/2016 11:35	0.01	0.08	0.01	1.6
7	1/26/2016 6:30	0.01	0.08	0.01	8.8
8	1/29/2016 3:00	0.01	0.08	0.01	2.9
9	1/31/2016 23:20	0.06	0.67	0.06	2.8
10	2/2/2016 21:30	0.68	6.00	0.21	1.9
11	2/8/2016 5:40	0.51	17.75	0.11	5.1
12	2/9/2016 16:00	0.06	6.58	0.02	0.7
13	2/10/2016 13:50	0.11	22.83	0.05	0.6
14	2/12/2016 18:20	0.01	0.08	0.01	1.2
15	2/15/2016 4:35	0.01	0.08	0.01	2.4
16	2/16/2016 2:45	0.16	5.42	0.06	0.9
17	2/24/2016 4:35	1.32	35.50	0.31	7.9
18	2/26/2016 6:10	0.01	0.08	0.01	0.6
19	2/29/2016 2:25	0.06	0.92	0.06	2.8
20	3/1/2016 15:10	0.43	4.42	0.17	1.5
21	3/3/2016 15:55	0.13	11.83	0.02	1.8
22	3/5/2016 15:30	0.04	2.00	0.03	1.5
23	3/9/2016 19:55	0.97	26.17	0.18	4.1
24	3/13/2016 1:50	0.75	23.42	0.25	2.2
25	3/14/2016 19:00	0.42	7.92	0.27	0.7
26	3/16/2016 0:20	0.05	1.00	0.05	0.9
27	3/16/2016 14:25	0.02	0.08	0.02	0.5
28	3/24/2016 17:20	0.58	4.58	0.35	8.1
29	3/28/2016 1:20	0.63	2.17	0.41	3.1
30	3/30/2016 23:35	0.40	13.83	0.08	2.8
31	4/1/2016 15:50	0.08	0.83	0.08	1.1
32	4/2/2016 15:25	0.25	6.67	0.10	0.9
33	4/4/2016 11:10	0.02	0.83	0.02	1.5
34	4/6/2016 12:45	1.42	38.83	0.38	2.0
35	4/8/2016 20:30	0.46	13.92	0.11	0.7
36	4/10/2016 21:55	0.50	20.33	0.13	1.5
37	4/21/2016 9:15	0.13	19.17	0.03	9.6
38	4/26/2016 3:20	0.44	9.25	0.32	4.0

Olmsted Falls Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	4/28/2016 8:30	0.49	21.75	0.12	1.8
40	4/30/2016 16:20	0.54	15.42	0.16	1.4
41	5/2/2016 0:50	0.95	3.92	0.44	0.7
42	5/2/2016 16:45	0.01	0.08	0.01	0.5
43	5/4/2016 13:30	0.47	12.67	0.19	1.9
44	5/10/2016 4:35	0.03	0.92	0.03	5.1
45	5/10/2016 19:10	0.01	0.08	0.01	0.6
46	5/12/2016 8:40	0.11	1.50	0.10	1.6
47	5/12/2016 22:20	0.37	6.58	0.21	0.5
48	5/14/2016 5:35	0.69	30.50	0.18	1.0
49	5/17/2016 4:30	0.11	9.42	0.10	1.7
50	5/20/2016 23:30	0.06	12.50	0.02	3.4
51	5/29/2016 21:00	0.57	4.08	0.56	8.4
52	6/2/2016 5:45	0.01	0.08	0.01	3.2
53	6/4/2016 18:45	0.23	20.58	0.17	2.5
54	6/6/2016 20:40	0.07	6.00	0.06	1.2
55	6/7/2016 22:05	0.26	4.83	0.14	0.8
56	6/16/2016 7:15	1.91	13.83	1.06	8.2
57	6/22/2016 23:55	0.49	14.50	0.23	6.1
58	7/1/2016 8:40	0.08	0.67	0.08	7.8
59	7/4/2016 18:15	0.04	1.67	0.03	3.4
60	7/6/2016 19:55	0.14	5.58	0.13	2.0
61	7/7/2016 13:40	0.13	0.17	0.13	0.5
62	7/8/2016 4:25	0.15	2.17	0.14	0.6
63	7/8/2016 23:05	0.09	3.08	0.08	0.7
64	7/13/2016 21:45	0.19	0.50	0.19	4.8
65	7/15/2016 0:50	0.01	0.08	0.01	1.1
66	7/16/2016 6:35	0.21	0.50	0.21	1.2
67	7/18/2016 5:45	0.30	1.08	0.30	1.9
68	7/29/2016 14:40	0.19	2.33	0.18	11.3
69	7/30/2016 12:40	0.66	4.92	0.53	0.8
70	7/31/2016 13:30	0.08	0.25	0.08	0.8
71	8/5/2016 15:45	0.01	0.08	0.01	5.1
72	8/9/2016 21:20	0.95	1.92	0.94	4.2
73	8/10/2016 15:05	0.50	3.17	0.49	0.7
74	8/11/2016 14:35	0.14	9.42	0.08	0.8
75	8/12/2016 18:25	0.47	43.17	0.11	0.8
76	8/15/2016 7:10	0.03	1.42	0.02	0.7

Olmsted Falls Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	8/16/2016 14:45	0.13	2.25	0.07	1.3
78	8/20/2016 20:30	0.02	2.83	0.01	4.1
79	8/21/2016 21:25	0.11	4.33	0.10	0.9
80	8/25/2016 0:10	0.32	0.75	0.32	2.9
81	8/25/2016 17:45	0.06	0.42	0.06	0.7
82	8/27/2016 19:45	0.07	9.08	0.06	2.1
83	9/1/2016 20:55	0.06	1.42	0.05	4.7
84	9/7/2016 7:10	0.13	10.00	0.09	5.4
85	9/8/2016 14:35	0.10	2.08	0.07	0.9
86	9/10/2016 4:35	1.78	28.25	1.08	1.5
87	9/14/2016 11:00	0.25	0.92	0.25	3.1
88	9/17/2016 3:20	0.91	6.00	0.46	2.6
89	9/18/2016 8:30	0.01	0.08	0.01	1.0
90	9/26/2016 9:10	0.24	4.83	0.15	8.0
91	9/28/2016 19:35	1.74	57.58	0.47	2.2
92	10/2/2016 4:15	0.40	7.58	0.39	1.0
93	10/13/2016 1:45	0.22	2.83	0.12	10.6
94	10/16/2016 22:20	0.11	2.17	0.09	3.7
95	10/18/2016 19:10	0.08	2.25	0.07	1.8
96	10/20/2016 4:20	1.98	48.42	0.42	1.3
97	10/26/2016 13:10	0.01	0.08	0.01	4.4
98	10/27/2016 2:35	0.23	4.58	0.15	0.6
99	10/30/2016 10:20	0.19	1.50	0.16	3.1
100	11/3/2016 1:20	0.23	6.67	0.15	3.6
101	11/8/2016 14:50	0.70	19.83	0.36	5.3
102	11/19/2016 5:45	0.45	17.58	0.20	9.8
103	11/23/2016 12:40	0.30	35.58	0.08	3.6
104	11/25/2016 21:35	0.04	12.25	0.02	0.9
105	11/28/2016 11:00	0.19	16.58	0.07	2.0
106	11/30/2016 17:15	0.24	3.00	0.14	1.6
107	12/2/2016 14:35	0.04	3.42	0.03	1.8
108	12/4/2016 20:10	0.12	2.67	0.09	2.1
109	12/6/2016 10:50	0.53	6.00	0.21	1.5
110	12/11/2016 3:15	0.26	22.92	0.05	4.4
111	12/15/2016 8:00	0.04	2.08	0.03	3.2
112	12/17/2016 2:40	0.80	25.58	0.28	1.7
113	12/24/2016 2:55	0.09	4.92	0.03	5.9
114	12/26/2016 11:45	0.23	10.42	0.17	2.2

Olmsted Falls Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
115	12/29/2016 2:25	0.01	0.08	0.01	2.2
116	12/29/2016 19:55	0.11	9.25	0.09	0.7

Parma Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/4/2016 9:50	0.01	0.08	0.01	3.4
2	1/8/2016 12:50	0.38	19.83	0.08	4.1
3	1/10/2016 2:55	0.40	10.75	0.08	0.8
4	1/12/2016 3:30	0.04	5.08	0.03	1.6
5	1/15/2016 19:45	0.15	4.58	0.07	3.5
6	1/17/2016 11:40	0.03	1.00	0.03	1.5
7	1/31/2016 23:25	0.09	1.58	0.08	14.4
8	2/2/2016 21:45	0.53	8.50	0.17	1.9
9	2/8/2016 6:15	0.50	17.58	0.09	5.0
10	2/9/2016 17:20	0.06	4.83	0.03	0.7
11	2/10/2016 14:35	0.19	8.92	0.12	0.7
12	2/12/2016 18:20	0.03	0.75	0.03	1.8
13	2/16/2016 2:20	0.22	7.75	0.07	3.3
14	2/24/2016 4:30	1.20	35.83	0.33	7.8
15	2/29/2016 2:30	0.07	1.08	0.07	3.4
16	3/1/2016 14:55	0.34	4.92	0.14	1.5
17	3/3/2016 17:10	0.08	9.92	0.02	1.9
18	3/5/2016 15:50	0.03	4.08	0.02	1.5
19	3/7/2016 21:30	0.01	0.08	0.01	2.1
20	3/9/2016 20:05	1.00	26.08	0.18	1.9
21	3/11/2016 16:00	0.01	0.08	0.01	0.7
22	3/13/2016 3:20	0.73	20.67	0.19	1.5
23	3/14/2016 19:15	0.51	13.25	0.39	0.8
24	3/16/2016 14:35	0.04	0.17	0.04	1.3
25	3/24/2016 17:25	0.53	5.00	0.36	8.1
26	3/28/2016 1:40	0.76	10.33	0.57	3.1
27	3/30/2016 23:35	0.35	23.92	0.07	2.5
28	4/1/2016 16:00	0.36	29.58	0.14	0.7
29	4/4/2016 12:25	0.01	0.08	0.01	1.6
30	4/6/2016 14:20	1.02	37.67	0.21	2.1
31	4/8/2016 21:15	0.50	12.00	0.12	0.7
32	4/10/2016 22:20	0.55	20.25	0.16	1.5
33	4/21/2016 10:55	0.08	8.25	0.03	9.7
34	4/26/2016 3:40	0.36	4.17	0.30	4.4
35	4/28/2016 12:05	0.22	19.25	0.05	2.2
36	4/30/2016 17:00	0.54	15.75	0.16	1.4
37	5/2/2016 1:25	0.66	3.67	0.34	0.7
38	5/4/2016 14:50	0.10	15.08	0.04	2.4

Parma Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	5/10/2016 5:45	0.01	0.08	0.01	5.0
40	5/10/2016 19:45	0.01	0.08	0.01	0.6
41	5/12/2016 9:20	0.02	0.25	0.02	1.6
42	5/12/2016 22:45	0.54	4.33	0.34	0.5
43	5/14/2016 5:55	0.63	29.25	0.13	1.1
44	5/17/2016 5:50	0.01	0.08	0.01	1.8
45	5/21/2016 0:55	0.06	11.00	0.02	3.8
46	5/28/2016 18:40	0.02	0.08	0.02	7.3
47	5/29/2016 21:15	0.77	0.50	0.77	1.1
48	6/4/2016 19:40	0.47	21.83	0.25	5.9
49	6/6/2016 20:50	0.08	0.33	0.08	1.1
50	6/7/2016 23:05	0.07	4.25	0.03	1.1
51	6/16/2016 7:25	0.75	5.83	0.56	8.2
52	6/21/2016 1:50	0.03	0.17	0.03	4.5
53	6/23/2016 0:30	0.35	14.75	0.17	1.9
54	7/1/2016 8:45	0.08	0.83	0.08	7.7
55	7/4/2016 17:30	0.12	11.42	0.05	3.3
56	7/6/2016 20:15	0.15	0.25	0.15	1.6
57	7/7/2016 13:45	0.08	0.33	0.08	0.7
58	7/8/2016 4:35	0.16	1.83	0.15	0.6
59	7/8/2016 23:20	0.04	6.08	0.03	0.7
60	7/13/2016 22:05	0.16	1.75	0.13	4.7
61	7/16/2016 7:40	0.02	0.17	0.02	2.3
62	7/18/2016 5:40	0.49	1.17	0.48	1.9
63	7/24/2016 12:25	0.09	0.92	0.09	6.2
64	7/29/2016 13:35	0.55	1.67	0.53	5.0
65	7/30/2016 13:25	1.64	11.75	1.53	0.9
66	8/9/2016 21:25	1.08	1.58	1.07	9.8
67	8/10/2016 15:35	1.20	4.08	1.10	0.7
68	8/11/2016 16:50	0.60	7.50	0.34	0.9
69	8/12/2016 18:50	0.21	8.17	0.20	0.8
70	8/13/2016 16:10	0.32	19.83	0.10	0.5
71	8/15/2016 7:10	0.02	0.83	0.02	0.8
72	8/16/2016 15:05	0.05	2.17	0.03	1.3
73	8/17/2016 16:40	0.35	0.42	0.35	1.0
74	8/21/2016 21:55	0.92	7.17	0.50	4.2
75	8/25/2016 0:30	0.23	1.08	0.23	2.8
76	8/25/2016 18:00	0.04	0.42	0.04	0.7

Parma Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	8/27/2016 20:40	0.01	0.08	0.01	2.1
78	8/31/2016 13:30	0.06	0.58	0.06	3.7
79	9/1/2016 21:00	0.42	1.75	0.41	1.3
80	9/7/2016 7:35	0.39	4.67	0.16	5.4
81	9/8/2016 15:00	0.13	4.08	0.09	1.1
82	9/10/2016 4:35	0.77	16.58	0.31	1.4
83	9/14/2016 11:20	0.10	1.17	0.09	3.6
84	9/17/2016 3:45	0.53	5.92	0.20	2.6
85	9/26/2016 9:40	0.20	3.33	0.13	9.0
86	9/28/2016 20:05	0.40	3.83	0.35	2.3
87	9/29/2016 13:25	1.54	28.50	0.44	0.6
88	10/2/2016 4:40	0.17	2.17	0.15	1.4
89	10/12/2016 23:20	0.23	5.83	0.11	10.7
90	10/16/2016 21:05	0.12	3.08	0.09	3.7
91	10/18/2016 19:20	0.08	2.58	0.07	1.8
92	10/20/2016 4:35	2.40	49.33	0.40	1.3
93	10/26/2016 13:10	0.02	0.50	0.02	4.3
94	10/27/2016 2:35	0.30	6.92	0.20	0.5
95	10/27/2016 23:55	0.01	0.08	0.01	0.6
96	10/30/2016 10:30	0.17	10.25	0.11	2.4
97	11/2/2016 23:40	0.30	8.75	0.18	3.1
98	11/8/2016 15:50	0.86	19.83	0.44	5.3
99	11/19/2016 6:10	0.34	18.83	0.12	9.8
100	11/23/2016 12:55	0.24	36.58	0.07	3.5
101	11/26/2016 8:05	0.04	1.83	0.02	1.3
102	11/28/2016 11:25	0.11	12.25	0.07	2.1
103	11/30/2016 17:55	0.34	2.67	0.23	1.8
104	12/2/2016 14:30	0.07	3.67	0.04	1.7
105	12/4/2016 20:05	0.12	2.92	0.09	2.1
106	12/6/2016 11:00	0.41	5.92	0.18	1.5
107	12/11/2016 14:00	0.21	12.25	0.05	4.9
108	12/15/2016 7:05	0.01	0.08	0.01	3.2
109	12/17/2016 2:40	0.63	24.67	0.25	1.8
110	12/24/2016 3:35	0.06	4.58	0.03	6.0
111	12/26/2016 11:45	0.33	10.92	0.23	2.1
112	12/29/2016 0:35	0.02	3.08	0.01	2.1
113	12/29/2016 19:50	0.19	8.33	0.10	0.7

Richfield Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/3/2016 14:15	0.01	0.08	0.01	2.6
2	1/4/2016 7:25	0.03	2.58	0.01	0.7
3	1/8/2016 13:00	0.20	20.42	0.07	4.1
4	1/10/2016 2:40	0.39	10.58	0.09	0.7
5	1/12/2016 4:25	0.03	8.17	0.01	1.6
6	1/15/2016 19:55	0.07	2.42	0.04	3.3
7	1/17/2016 12:15	0.01	0.08	0.01	1.6
8	1/25/2016 23:20	0.01	0.08	0.01	8.5
9	1/29/2016 3:20	0.01	0.08	0.01	3.2
10	2/1/2016 0:05	0.05	1.42	0.04	2.9
11	2/2/2016 22:05	0.68	8.25	0.18	1.9
12	2/8/2016 9:25	0.31	14.58	0.09	5.1
13	2/9/2016 21:45	0.01	0.08	0.01	0.9
14	2/10/2016 22:40	0.05	15.92	0.01	1.0
15	2/12/2016 18:50	0.03	0.50	0.03	1.2
16	2/15/2016 2:50	0.01	0.08	0.01	2.3
17	2/16/2016 0:35	0.22	8.75	0.06	0.9
18	2/24/2016 4:00	1.18	36.58	0.33	7.8
19	2/29/2016 3:00	0.06	0.75	0.06	3.4
20	3/1/2016 14:45	0.32	6.00	0.14	1.5
21	3/3/2016 17:25	0.08	9.83	0.02	1.9
22	3/5/2016 15:50	0.01	0.08	0.01	1.5
23	3/9/2016 19:55	1.01	27.42	0.13	4.2
24	3/13/2016 1:10	0.41	24.58	0.10	2.1
25	3/14/2016 19:05	0.18	2.92	0.11	0.7
26	3/16/2016 0:40	0.10	1.00	0.10	1.1
27	3/20/2016 7:50	0.01	0.08	0.01	4.3
28	3/24/2016 20:15	0.39	4.33	0.25	4.5
29	3/28/2016 1:10	0.68	11.00	0.47	3.0
30	3/31/2016 0:15	0.37	23.42	0.15	2.5
31	4/1/2016 16:25	0.14	0.75	0.14	0.7
32	4/2/2016 15:45	0.21	8.08	0.09	0.9
33	4/4/2016 6:35	0.01	0.08	0.01	1.3
34	4/6/2016 14:55	0.83	37.58	0.12	2.3
35	4/8/2016 21:00	0.28	11.17	0.10	0.7
36	4/10/2016 22:15	0.92	20.83	0.20	1.6
37	4/21/2016 12:55	0.23	28.83	0.09	9.7
38	4/26/2016 3:45	0.39	1.92	0.27	3.4

Richfield Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	4/28/2016 9:10	0.37	20.75	0.09	2.1
40	4/30/2016 17:10	0.43	14.50	0.10	1.5
41	5/2/2016 1:15	0.49	3.92	0.25	0.7
42	5/4/2016 19:20	0.12	10.42	0.04	2.6
43	5/10/2016 4:30	0.06	6.17	0.02	4.9
44	5/12/2016 9:20	0.04	0.25	0.04	1.9
45	5/12/2016 23:00	0.40	4.42	0.30	0.6
46	5/14/2016 6:05	0.46	31.25	0.20	1.1
47	5/17/2016 6:55	0.01	0.08	0.01	1.7
48	5/20/2016 23:30	0.22	13.00	0.07	3.7
49	5/29/2016 21:40	0.50	9.83	0.45	8.4
50	6/2/2016 5:25	0.09	0.33	0.09	2.9
51	6/4/2016 19:30	0.30	20.08	0.10	2.6
52	6/6/2016 20:55	0.06	4.17	0.05	1.2
53	6/7/2016 22:15	0.25	5.75	0.09	0.9
54	6/11/2016 15:45	0.02	1.08	0.02	3.5
55	6/16/2016 7:40	0.94	7.75	0.60	4.6
56	6/23/2016 0:05	0.46	11.58	0.23	6.4
57	6/26/2016 23:55	0.02	2.25	0.01	3.5
58	7/1/2016 7:50	0.15	2.42	0.13	4.2
59	7/4/2016 18:25	0.07	11.25	0.04	3.3
60	7/7/2016 14:55	0.30	0.25	0.30	2.4
61	7/8/2016 5:35	0.02	1.50	0.01	0.6
62	7/8/2016 23:30	0.06	1.50	0.05	0.7
63	7/13/2016 22:05	0.43	8.17	0.37	4.9
64	7/18/2016 6:15	0.23	0.92	0.23	4.0
65	7/24/2016 12:30	1.09	1.42	1.07	6.2
66	7/29/2016 13:30	0.31	2.08	0.29	5.0
67	7/30/2016 14:45	0.42	3.08	0.39	1.0
68	7/31/2016 6:45	1.33	11.42	0.78	0.5
69	8/10/2016 2:10	0.01	0.08	0.01	9.3
70	8/10/2016 17:35	0.01	0.08	0.01	0.6
71	8/12/2016 3:45	0.49	15.50	0.47	1.4
72	8/13/2016 7:55	0.54	30.00	0.16	0.5
73	8/15/2016 4:15	0.05	8.83	0.03	0.6
74	8/16/2016 14:50	0.11	2.75	0.10	1.1
75	8/19/2016 16:50	0.01	0.08	0.01	3.0
76	8/22/2016 0:35	0.01	0.08	0.01	2.3

Richfield Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	8/25/2016 0:45	0.21	1.08	0.21	3.0
78	8/25/2016 18:25	0.08	0.33	0.08	0.7
79	8/27/2016 20:20	0.01	0.08	0.01	2.1
80	8/28/2016 20:25	0.01	0.08	0.01	1.0
81	8/31/2016 15:00	0.01	0.08	0.01	2.8
82	9/1/2016 22:15	0.04	0.42	0.04	1.3
83	9/6/2016 10:25	0.01	0.08	0.01	4.5
84	9/7/2016 8:05	0.40	0.33	0.40	0.9
85	9/8/2016 15:35	0.76	3.92	0.66	1.3
86	9/10/2016 4:45	0.47	0.58	0.47	1.4
87	9/10/2016 17:25	0.91	5.50	0.74	0.5
88	9/14/2016 11:25	0.35	1.33	0.34	3.5
89	9/17/2016 8:30	0.16	12.83	0.11	2.8
90	9/18/2016 10:10	0.01	0.08	0.01	0.5
91	9/26/2016 9:50	0.15	5.58	0.06	8.0
92	9/28/2016 17:30	0.30	4.92	0.25	2.1
93	9/29/2016 12:30	2.16	29.25	0.70	0.6
94	10/2/2016 4:50	0.27	0.83	0.27	1.5
95	10/3/2016 4:30	0.01	0.08	0.01	1.0
96	10/4/2016 5:55	0.01	0.08	0.01	1.1
97	10/13/2016 2:40	0.21	5.67	0.13	8.9
98	10/16/2016 23:35	0.04	9.67	0.02	3.6
99	10/18/2016 19:45	0.28	2.00	0.19	1.4
100	10/20/2016 1:05	2.71	52.75	0.85	1.1
101	10/26/2016 14:50	0.26	19.25	0.17	4.4
102	10/27/2016 23:55	0.02	0.58	0.02	0.6
103	10/30/2016 10:40	0.18	8.25	0.14	2.4
104	11/3/2016 2:20	0.12	7.08	0.09	3.3
105	11/4/2016 4:15	0.01	0.08	0.01	0.8
106	11/8/2016 17:10	1.03	19.00	0.27	4.5
107	11/11/2016 11:15	0.06	1.58	0.05	2.0
108	11/19/2016 6:30	0.26	19.67	0.12	7.7
109	11/23/2016 13:10	0.20	26.25	0.07	3.5
110	11/25/2016 6:50	0.01	0.08	0.01	0.6
111	11/28/2016 11:30	0.14	12.33	0.10	3.2
112	11/30/2016 18:25	0.24	2.17	0.18	1.8
113	12/4/2016 20:35	0.08	2.75	0.05	4.0
114	12/6/2016 10:15	0.41	6.92	0.17	1.5

Richfield Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
115	12/11/2016 4:25	0.26	21.58	0.07	4.5
116	12/15/2016 8:30	0.01	0.08	0.01	3.3
117	12/17/2016 2:25	1.04	26.50	0.29	1.7
118	12/24/2016 3:25	0.05	4.42	0.02	5.9
119	12/26/2016 3:30	0.43	19.50	0.19	1.8
120	12/28/2016 23:50	0.07	4.08	0.05	2.0
121	12/29/2016 20:05	0.07	1.58	0.06	0.7

Shaker Heights Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/3/2016 12:35	0.01	0.08	0.01	2.5
2	1/8/2016 13:20	0.33	18.67	0.07	5.0
3	1/10/2016 3:00	0.40	11.00	0.07	0.8
4	1/12/2016 3:40	0.05	5.50	0.02	1.6
5	1/13/2016 23:15	0.01	0.08	0.01	1.6
6	1/15/2016 19:55	0.13	6.83	0.07	1.9
7	1/17/2016 10:40	0.02	1.33	0.01	1.3
8	1/28/2016 21:05	0.02	6.33	0.01	11.4
9	1/31/2016 23:30	0.08	2.25	0.07	2.8
10	2/2/2016 21:55	0.61	8.50	0.19	1.8
11	2/4/2016 19:45	0.01	0.08	0.01	1.6
12	2/8/2016 6:40	0.48	17.92	0.11	3.5
13	2/9/2016 17:10	0.14	6.42	0.06	0.7
14	2/10/2016 11:40	0.14	18.25	0.04	0.5
15	2/12/2016 18:20	0.02	0.33	0.02	1.5
16	2/13/2016 18:15	0.01	0.08	0.01	1.0
17	2/16/2016 2:25	0.21	7.00	0.06	2.3
18	2/17/2016 6:20	0.01	0.08	0.01	0.9
19	2/24/2016 4:40	1.05	35.67	0.28	6.9
20	2/29/2016 2:40	0.09	0.75	0.09	3.4
21	3/1/2016 15:10	0.33	4.83	0.16	1.5
22	3/3/2016 19:10	0.04	8.42	0.01	2.0
23	3/5/2016 16:00	0.03	4.67	0.01	1.5
24	3/9/2016 20:10	0.97	26.25	0.18	4.0
25	3/13/2016 3:40	0.52	20.83	0.15	2.2
26	3/14/2016 19:35	0.45	12.58	0.37	0.8
27	3/16/2016 1:25	0.10	0.83	0.10	0.7
28	3/16/2016 14:45	0.03	0.17	0.03	0.5
29	3/24/2016 17:35	0.46	4.92	0.33	8.1
30	3/28/2016 1:50	0.82	22.75	0.56	3.1
31	3/31/2016 0:20	0.30	23.33	0.06	2.0
32	4/1/2016 16:15	0.06	0.83	0.06	0.7
33	4/2/2016 15:40	0.25	7.25	0.10	0.9
34	4/4/2016 12:30	0.01	0.08	0.01	1.6
35	4/6/2016 14:30	0.82	34.33	0.19	2.1
36	4/8/2016 21:35	0.50	14.92	0.11	0.9
37	4/10/2016 22:30	0.47	20.08	0.14	1.4
38	4/21/2016 11:15	0.07	9.25	0.03	9.7

Shaker Heights Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	4/26/2016 3:25	0.40	1.67	0.29	4.3
40	4/28/2016 12:15	0.10	4.25	0.04	2.3
41	4/29/2016 6:15	0.02	2.17	0.01	0.6
42	4/30/2016 17:35	0.48	14.33	0.15	1.4
43	5/2/2016 1:25	0.60	3.83	0.30	0.7
44	5/4/2016 21:30	0.05	11.17	0.02	2.7
45	5/12/2016 22:55	0.43	4.58	0.21	7.6
46	5/14/2016 6:05	1.13	37.67	0.15	1.1
47	5/17/2016 5:20	0.05	4.58	0.02	1.4
48	5/21/2016 1:25	0.04	2.67	0.02	3.6
49	5/29/2016 21:25	0.35	0.58	0.35	8.7
50	6/4/2016 19:50	0.61	21.75	0.27	5.9
51	6/6/2016 21:10	0.02	0.25	0.02	1.1
52	6/8/2016 0:40	0.04	2.67	0.03	1.1
53	6/15/2016 2:45	0.01	0.08	0.01	7.0
54	6/16/2016 7:25	0.29	6.00	0.28	1.2
55	6/23/2016 2:05	0.10	10.00	0.06	6.5
56	6/27/2016 1:50	0.03	0.50	0.03	3.6
57	7/1/2016 8:50	0.05	0.83	0.05	4.3
58	7/4/2016 18:10	0.19	10.33	0.10	3.4
59	7/6/2016 19:00	0.11	1.92	0.10	1.6
60	7/8/2016 5:00	0.09	2.83	0.08	1.3
61	7/8/2016 23:10	0.03	1.83	0.02	0.6
62	7/13/2016 22:20	0.22	1.17	0.21	4.9
63	7/16/2016 7:50	0.04	4.33	0.02	2.3
64	7/18/2016 5:35	0.29	1.33	0.27	1.7
65	7/22/2016 6:35	0.05	0.25	0.05	4.0
66	7/29/2016 12:25	1.12	29.75	0.55	7.2
67	7/31/2016 12:55	0.02	0.50	0.02	0.8
68	8/5/2016 15:55	0.02	0.25	0.02	5.1
69	8/9/2016 21:45	0.92	0.92	0.92	4.2
70	8/10/2016 13:40	0.38	6.08	0.35	0.6
71	8/11/2016 17:15	0.69	6.17	0.54	0.9
72	8/12/2016 19:10	0.39	8.17	0.37	0.8
73	8/13/2016 16:20	0.38	25.17	0.14	0.5
74	8/15/2016 8:10	0.01	0.08	0.01	0.6
75	8/16/2016 15:20	0.09	2.25	0.08	1.3
76	8/19/2016 18:50	0.01	0.08	0.01	3.1

Shaker Heights Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	8/25/2016 0:50	0.67	1.08	0.67	5.2
78	8/25/2016 17:50	0.26	0.92	0.26	0.7
79	9/7/2016 7:35	0.51	0.58	0.51	12.5
80	9/8/2016 14:50	0.82	14.00	0.54	1.3
81	9/10/2016 5:00	0.81	17.83	0.50	1.0
82	9/14/2016 11:20	0.01	0.08	0.01	3.5
83	9/17/2016 4:05	0.75	5.92	0.32	2.7
84	9/26/2016 10:00	0.18	3.00	0.13	9.0
85	9/28/2016 20:45	0.22	4.67	0.16	2.3
86	9/29/2016 13:30	1.11	27.75	0.34	0.5
87	10/2/2016 5:05	0.17	1.08	0.17	1.5
88	10/3/2016 6:05	0.01	0.08	0.01	1.0
89	10/12/2016 23:45	0.26	9.00	0.16	9.7
90	10/16/2016 21:40	0.15	3.25	0.13	3.5
91	10/18/2016 19:35	0.15	2.25	0.11	1.8
92	10/20/2016 4:45	2.13	47.42	0.35	1.3
93	10/26/2016 13:40	0.46	34.42	0.15	4.4
94	10/30/2016 10:10	0.12	8.00	0.07	2.4
95	11/1/2016 11:30	0.01	0.08	0.01	1.7
96	11/3/2016 0:05	0.32	17.67	0.10	1.5
97	11/8/2016 15:45	0.15	15.50	0.06	4.9
98	11/11/2016 10:40	0.01	0.08	0.01	2.1
99	11/19/2016 6:30	0.38	23.83	0.12	7.8
100	11/23/2016 13:00	0.39	36.67	0.10	3.3
101	11/25/2016 22:10	0.16	12.42	0.08	0.9
102	11/28/2016 22:15	0.11	1.67	0.08	2.5
103	11/30/2016 18:10	0.40	2.83	0.30	1.8
104	12/2/2016 14:15	0.03	3.00	0.02	1.7
105	12/4/2016 20:10	0.08	2.75	0.06	2.1
106	12/6/2016 11:05	0.46	5.92	0.17	1.5
107	12/9/2016 16:20	0.04	4.75	0.03	3.0
108	12/11/2016 3:15	0.27	22.92	0.06	1.3
109	12/15/2016 2:15	0.16	8.25	0.07	3.0
110	12/17/2016 2:45	0.87	30.42	0.29	1.7
111	12/24/2016 4:25	0.05	5.08	0.02	5.8
112	12/26/2016 12:00	0.36	10.92	0.23	2.1
113	12/29/2016 0:25	0.05	3.67	0.03	2.1
114	12/29/2016 19:40	0.03	7.50	0.02	0.6

South Euclid Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/8/2016 13:40	0.32	18.50	0.08	7.6
2	1/10/2016 3:10	0.32	8.33	0.07	0.8
3	1/12/2016 11:10	0.02	0.50	0.02	2.0
4	1/14/2016 13:30	0.02	1.17	0.01	2.1
5	1/15/2016 20:05	0.20	6.83	0.08	1.2
6	1/21/2016 13:15	0.01	0.08	0.01	5.4
7	1/26/2016 5:00	0.01	0.08	0.01	4.7
8	1/28/2016 22:20	0.01	0.08	0.01	2.7
9	1/31/2016 23:05	0.07	1.17	0.06	3.0
10	2/2/2016 9:40	0.01	0.08	0.01	1.4
11	2/2/2016 21:55	0.86	8.50	0.32	0.5
12	2/4/2016 7:35	0.01	0.08	0.01	1.0
13	2/5/2016 10:20	0.07	2.17	0.04	1.1
14	2/8/2016 6:45	0.74	34.42	0.15	2.8
15	2/16/2016 5:40	0.22	11.42	0.06	6.5
16	2/17/2016 10:30	0.07	3.58	0.02	0.7
17	2/18/2016 9:45	0.09	4.08	0.05	0.8
18	2/19/2016 5:20	0.01	0.08	0.01	0.6
19	2/24/2016 4:45	1.39	19.75	0.42	5.0
20	2/25/2016 13:35	0.02	0.08	0.02	0.5
21	2/29/2016 2:45	0.09	1.33	0.07	3.5
22	3/1/2016 15:50	0.56	4.33	0.26	1.5
23	3/3/2016 16:50	0.02	0.08	0.02	1.9
24	3/4/2016 8:45	0.16	5.33	0.06	0.7
25	3/5/2016 16:10	0.04	5.58	0.01	1.1
26	3/9/2016 19:55	1.16	26.75	0.20	3.9
27	3/12/2016 11:15	0.01	0.08	0.01	1.5
28	3/13/2016 6:15	0.60	18.92	0.15	0.8
29	3/14/2016 19:45	0.38	12.83	0.31	0.8
30	3/16/2016 1:15	0.19	8.67	0.17	0.7
31	3/28/2016 1:55	0.79	10.25	0.60	11.7
32	3/29/2016 0:30	0.01	0.08	0.01	0.5
33	3/30/2016 23:55	0.25	23.67	0.06	2.0
34	4/1/2016 16:15	0.04	0.58	0.04	0.7
35	4/2/2016 7:45	0.22	13.42	0.10	0.6
36	4/4/2016 12:10	0.01	0.08	0.01	1.6
37	4/6/2016 14:35	0.77	33.92	0.25	2.1
38	4/8/2016 22:05	0.32	9.08	0.09	0.9

South Euclid Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	4/10/2016 22:25	0.39	20.08	0.10	1.6
40	4/21/2016 11:15	0.05	6.25	0.02	9.7
41	4/26/2016 3:30	0.40	3.67	0.31	4.4
42	4/28/2016 9:50	0.24	23.08	0.12	2.1
43	4/30/2016 17:10	0.81	15.75	0.27	1.3
44	5/2/2016 1:30	1.08	9.50	0.55	0.7
45	5/4/2016 23:25	0.08	8.08	0.05	2.5
46	5/10/2016 6:55	0.01	0.08	0.01	5.0
47	5/12/2016 17:50	0.42	10.25	0.22	2.5
48	5/14/2016 6:10	1.34	38.67	0.53	1.1
49	5/17/2016 7:25	0.10	2.58	0.06	1.4
50	5/21/2016 2:35	0.03	2.25	0.02	3.7
51	5/29/2016 20:55	0.22	0.50	0.22	8.7
52	6/4/2016 20:10	0.39	21.42	0.20	5.9
53	6/7/2016 20:45	0.05	6.67	0.04	2.1
54	6/16/2016 7:30	0.06	0.50	0.06	8.2
55	6/23/2016 2:25	0.01	0.08	0.01	6.8
56	6/23/2016 15:25	0.01	0.08	0.01	0.5
57	7/1/2016 8:55	0.06	0.67	0.06	7.7
58	7/4/2016 18:20	0.12	1.25	0.11	3.4
59	7/6/2016 19:10	0.03	0.17	0.03	2.0
60	7/8/2016 4:20	0.07	1.58	0.06	1.4
61	7/13/2016 22:25	0.06	0.33	0.06	5.7
62	7/16/2016 10:55	0.04	0.17	0.04	2.5
63	7/18/2016 5:35	0.11	0.92	0.11	1.8
64	7/29/2016 11:50	0.05	2.17	0.03	11.2
65	7/30/2016 2:40	0.27	15.50	0.15	0.5
66	7/31/2016 12:00	0.11	0.25	0.11	0.7
67	8/5/2016 15:40	0.18	0.58	0.18	5.1
68	8/9/2016 20:45	0.72	2.33	0.71	4.2
69	8/10/2016 19:20	0.22	30.67	0.07	0.8
70	8/13/2016 3:25	0.65	33.67	0.33	1.1
71	8/15/2016 9:35	0.01	0.08	0.01	0.9
72	8/16/2016 15:20	0.15	2.17	0.09	1.2
73	8/19/2016 16:30	0.12	1.17	0.11	3.0
74	8/21/2016 20:20	0.26	8.00	0.19	2.1
75	8/25/2016 0:50	1.03	1.08	1.03	2.9
76	8/25/2016 17:50	0.02	0.17	0.02	0.7

South Euclid Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	8/27/2016 18:20	0.09	7.83	0.05	2.0
78	8/31/2016 14:20	0.01	0.08	0.01	3.5
79	9/7/2016 6:45	0.65	1.08	0.65	6.7
80	9/8/2016 14:50	0.69	7.50	0.68	1.3
81	9/10/2016 5:10	1.00	17.42	0.51	1.3
82	9/17/2016 3:20	1.74	6.75	1.16	6.2
83	9/26/2016 9:00	0.37	5.00	0.26	9.0
84	9/28/2016 20:50	1.63	52.58	0.32	2.3
85	10/2/2016 5:30	0.14	1.92	0.13	1.2
86	10/8/2016 4:40	0.07	2.83	0.05	5.9
87	10/12/2016 23:45	0.30	5.75	0.15	4.7
88	10/16/2016 22:55	0.18	2.75	0.15	3.7
89	10/18/2016 18:55	0.14	5.08	0.07	1.7
90	10/20/2016 4:30	2.24	46.08	0.30	1.2
91	10/26/2016 13:45	0.87	24.25	0.34	4.5
92	10/30/2016 9:20	0.33	9.42	0.19	2.8
93	11/2/2016 23:50	0.51	9.25	0.21	3.2
94	11/8/2016 15:10	0.34	14.08	0.18	5.3
95	11/19/2016 6:05	0.36	14.83	0.16	10.0
96	11/23/2016 13:15	0.38	43.83	0.08	3.7
97	11/25/2016 23:40	0.43	10.50	0.20	0.6
98	11/28/2016 11:35	0.12	12.42	0.09	2.1
99	11/30/2016 18:00	0.51	2.67	0.36	1.8
100	12/2/2016 13:50	0.04	0.33	0.04	1.7
101	12/3/2016 15:10	0.03	3.83	0.02	1.0
102	12/4/2016 20:25	0.16	4.33	0.07	1.1
103	12/5/2016 16:40	0.01	0.08	0.01	0.7
104	12/6/2016 11:50	0.56	5.33	0.20	0.8
105	12/10/2016 10:40	0.19	4.92	0.08	3.7
106	12/11/2016 12:45	0.52	26.17	0.11	0.9
107	12/13/2016 10:55	0.01	0.08	0.01	0.8
108	12/17/2016 9:50	0.82	14.92	0.28	4.0
109	12/19/2016 10:05	0.01	0.08	0.01	1.4
110	12/24/2016 1:55	0.06	6.75	0.02	4.7
111	12/26/2016 11:55	0.29	12.00	0.18	2.1
112	12/29/2016 1:15	0.06	2.92	0.03	2.1

Southerly WWTP Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/3/2016 12:50	0.01	0.08	0.01	2.5
2	1/8/2016 13:20	0.27	20.00	0.05	5.0
3	1/10/2016 3:15	0.44	10.92	0.08	0.7
4	1/12/2016 8:10	0.04	6.58	0.03	1.8
5	1/15/2016 20:00	0.13	2.33	0.07	3.2
6	1/17/2016 11:15	0.05	12.00	0.02	1.5
7	1/29/2016 3:15	0.02	0.25	0.02	11.2
8	1/31/2016 23:30	0.11	3.17	0.10	2.8
9	2/2/2016 21:50	0.39	8.50	0.13	1.8
10	2/8/2016 6:35	0.50	17.83	0.10	5.0
11	2/9/2016 17:10	0.42	29.08	0.13	0.7
12	2/12/2016 18:20	0.06	5.00	0.05	1.8
13	2/16/2016 2:10	0.21	7.25	0.06	3.1
14	2/24/2016 4:35	1.11	35.75	0.29	7.8
15	2/29/2016 2:40	0.08	0.58	0.08	3.4
16	3/1/2016 15:05	0.31	5.00	0.14	1.5
17	3/3/2016 17:25	0.08	9.75	0.02	1.9
18	3/5/2016 15:40	0.02	1.67	0.01	1.5
19	3/9/2016 20:05	0.88	26.67	0.18	4.1
20	3/13/2016 3:30	0.54	20.83	0.14	2.2
21	3/14/2016 15:45	0.43	16.75	0.32	0.6
22	3/16/2016 1:20	0.05	1.08	0.05	0.7
23	3/16/2016 14:45	0.02	0.08	0.02	0.5
24	3/24/2016 17:35	0.40	11.00	0.28	8.1
25	3/28/2016 1:45	0.86	24.08	0.56	2.9
26	3/31/2016 0:10	0.22	23.42	0.04	1.9
27	4/1/2016 16:10	0.08	1.50	0.07	0.7
28	4/2/2016 15:40	0.32	5.92	0.18	0.9
29	4/4/2016 12:45	0.01	0.08	0.01	1.6
30	4/6/2016 14:35	0.73	34.25	0.18	2.1
31	4/8/2016 21:05	0.45	10.00	0.12	0.8
32	4/10/2016 22:25	0.38	20.08	0.13	1.6
33	4/21/2016 13:15	0.06	6.50	0.03	9.8
34	4/25/2016 21:50	0.41	7.33	0.27	4.1
35	4/28/2016 12:10	0.17	19.42	0.05	2.3
36	4/30/2016 17:25	0.45	14.50	0.12	1.4
37	5/2/2016 1:35	0.65	3.50	0.33	0.7
38	5/3/2016 20:45	0.01	0.08	0.01	1.7

Southerly WWTP Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	5/4/2016 22:05	0.03	7.92	0.02	1.1
40	5/12/2016 22:45	0.58	4.58	0.30	7.7
41	5/14/2016 6:05	0.93	36.92	0.12	1.1
42	5/17/2016 7:10	0.01	0.08	0.01	1.5
43	5/21/2016 0:55	0.06	10.83	0.02	3.7
44	5/29/2016 21:15	0.49	2.75	0.48	8.4
45	6/4/2016 19:50	0.08	11.75	0.04	5.8
46	6/8/2016 0:35	0.04	2.75	0.03	2.7
47	6/16/2016 7:35	0.35	5.67	0.34	8.2
48	6/21/2016 1:55	0.01	0.08	0.01	4.5
49	6/23/2016 2:00	0.16	9.25	0.10	2.0
50	6/27/2016 2:10	0.01	0.08	0.01	3.6
51	7/1/2016 8:55	0.07	1.42	0.06	4.3
52	7/4/2016 18:00	0.12	2.42	0.06	3.3
53	7/6/2016 20:45	0.01	0.08	0.01	2.0
54	7/8/2016 4:50	0.11	1.00	0.11	1.3
55	7/8/2016 23:10	0.04	1.00	0.04	0.7
56	7/13/2016 22:15	0.12	1.50	0.10	4.9
57	7/16/2016 8:00	0.07	1.25	0.06	2.3
58	7/18/2016 5:55	0.24	0.92	0.24	1.9
59	7/24/2016 13:10	0.11	1.42	0.10	6.3
60	7/29/2016 13:20	0.05	0.58	0.05	4.9
61	7/30/2016 5:30	0.28	12.58	0.14	0.6
62	8/9/2016 21:40	0.61	0.83	0.61	10.1
63	8/10/2016 15:55	0.60	4.00	0.50	0.7
64	8/11/2016 17:00	0.55	5.83	0.34	0.9
65	8/12/2016 19:05	0.25	0.33	0.25	0.8
66	8/13/2016 16:15	0.01	0.08	0.01	0.9
67	8/15/2016 9:05	0.01	0.08	0.01	1.7
68	8/16/2016 15:20	0.07	3.42	0.04	1.3
69	8/19/2016 21:35	0.01	0.08	0.01	3.1
70	8/21/2016 22:10	0.10	9.92	0.09	2.0
71	8/25/2016 0:45	0.30	0.83	0.30	2.7
72	8/25/2016 18:25	0.01	0.08	0.01	0.7
73	8/27/2016 20:40	0.01	0.08	0.01	2.1
74	8/31/2016 13:45	0.01	0.08	0.01	3.7
75	9/7/2016 7:35	0.45	4.50	0.43	6.7
76	9/8/2016 15:10	0.23	13.42	0.11	1.1

Southerly WWTP Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	9/10/2016 4:45	0.52	16.58	0.23	1.0
78	9/14/2016 11:20	0.02	0.25	0.02	3.6
79	9/17/2016 3:55	0.70	6.00	0.31	2.7
80	9/26/2016 9:50	0.18	3.33	0.11	9.0
81	9/28/2016 20:50	2.40	45.00	0.73	2.3
82	10/2/2016 5:00	0.16	2.08	0.14	1.5
83	10/3/2016 5:25	0.01	0.08	0.01	0.9
84	10/4/2016 7:20	0.01	0.08	0.01	1.1
85	10/13/2016 2:00	0.22	3.08	0.14	8.8
86	10/16/2016 22:50	0.18	2.58	0.16	3.7
87	10/18/2016 19:30	0.10	6.50	0.07	1.8
88	10/20/2016 4:40	2.31	47.08	0.42	1.1
89	10/26/2016 13:20	0.43	19.33	0.21	4.4
90	10/28/2016 0:00	0.02	0.33	0.02	0.6
91	10/30/2016 10:35	0.18	7.67	0.13	2.4
92	11/3/2016 1:45	0.48	7.08	0.20	3.3
93	11/8/2016 16:35	0.45	19.17	0.18	5.3
94	11/11/2016 10:55	0.01	0.08	0.01	2.0
95	11/19/2016 6:20	0.31	16.08	0.13	7.8
96	11/23/2016 13:15	0.30	40.50	0.08	3.6
97	11/25/2016 22:05	0.12	12.75	0.07	0.7
98	11/30/2016 18:05	0.44	2.58	0.32	4.3
99	12/2/2016 14:20	0.04	0.42	0.04	1.7
100	12/4/2016 20:10	0.11	3.00	0.08	2.2
101	12/6/2016 11:05	0.54	6.42	0.20	1.5
102	12/11/2016 17:55	0.29	10.83	0.16	5.0
103	12/15/2016 2:15	0.43	9.42	0.14	2.9
104	12/17/2016 3:00	0.78	30.58	0.29	1.6
105	12/24/2016 6:20	0.02	1.75	0.01	5.9
106	12/26/2016 20:00	0.33	2.42	0.21	2.5
107	12/29/2016 2:40	0.02	1.42	0.01	2.2
108	12/29/2016 19:35	0.12	7.33	0.09	0.6

Strongsville WWTP Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/3/2016 13:40	0.02	4.58	0.01	2.6
2	1/4/2016 9:35	0.01	0.08	0.01	0.6
3	1/8/2016 12:40	0.38	20.92	0.08	4.1
4	1/10/2016 2:50	0.56	15.42	0.08	0.7
5	1/12/2016 2:55	0.07	6.33	0.03	1.4
6	1/13/2016 23:05	0.01	0.08	0.01	1.6
7	1/15/2016 19:35	0.17	4.58	0.09	1.9
8	1/17/2016 10:50	0.05	3.75	0.03	1.4
9	1/29/2016 3:10	0.02	0.50	0.02	11.5
10	1/31/2016 23:25	0.06	0.75	0.06	2.8
11	2/2/2016 21:35	0.60	8.58	0.20	1.9
12	2/8/2016 6:00	0.59	18.08	0.12	5.0
13	2/9/2016 17:20	0.07	7.58	0.03	0.7
14	2/10/2016 14:20	0.26	26.17	0.08	0.6
15	2/12/2016 18:20	0.04	0.33	0.04	1.1
16	2/15/2016 3:55	0.01	0.08	0.01	2.4
17	2/16/2016 2:25	0.23	7.08	0.07	0.9
18	2/17/2016 13:45	0.01	0.08	0.01	1.2
19	2/24/2016 4:15	1.36	36.00	0.36	6.6
20	2/26/2016 6:40	0.01	0.08	0.01	0.6
21	2/29/2016 2:30	0.08	1.08	0.08	2.8
22	3/1/2016 14:50	0.41	16.75	0.16	1.5
23	3/3/2016 16:15	0.13	11.08	0.02	1.4
24	3/5/2016 15:25	0.04	1.92	0.03	1.5
25	3/9/2016 19:45	1.06	29.58	0.19	4.1
26	3/13/2016 1:35	0.86	22.50	0.24	2.0
27	3/14/2016 19:05	0.43	12.50	0.29	0.8
28	3/16/2016 1:25	0.01	0.08	0.01	0.7
29	3/16/2016 14:30	0.02	0.17	0.02	0.5
30	3/24/2016 17:20	0.63	11.08	0.43	8.1
31	3/28/2016 1:30	0.71	10.58	0.49	2.9
32	3/30/2016 23:30	0.42	23.92	0.07	2.5
33	4/1/2016 15:55	0.11	10.42	0.10	0.7
34	4/2/2016 15:20	0.35	6.92	0.13	0.5
35	4/6/2016 14:15	1.29	37.33	0.31	3.7
36	4/8/2016 20:05	0.57	12.17	0.12	0.7
37	4/10/2016 22:10	0.59	20.33	0.17	1.6
38	4/21/2016 10:15	0.15	18.67	0.03	9.7

Strongsville WWTP Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	4/22/2016 17:55	0.01	0.08	0.01	0.5
40	4/26/2016 3:35	0.38	1.58	0.29	3.4
41	4/28/2016 8:40	0.29	22.33	0.06	2.1
42	4/30/2016 16:50	0.49	14.92	0.15	1.4
43	5/2/2016 1:05	0.71	4.25	0.37	0.7
44	5/4/2016 14:00	0.20	16.00	0.05	2.4
45	5/10/2016 3:20	0.03	2.25	0.02	4.9
46	5/10/2016 19:15	0.02	9.25	0.01	0.6
47	5/12/2016 9:05	0.67	19.75	0.39	1.2
48	5/14/2016 5:50	0.59	29.17	0.16	1.0
49	5/17/2016 5:00	0.09	4.08	0.08	1.8
50	5/21/2016 0:10	0.05	3.33	0.02	3.6
51	5/29/2016 21:10	0.53	0.50	0.53	8.7
52	6/4/2016 19:35	0.41	21.92	0.28	5.9
53	6/6/2016 20:45	0.07	3.08	0.06	1.1
54	6/7/2016 22:20	0.22	5.42	0.09	0.9
55	6/16/2016 7:25	1.02	5.83	0.68	8.2
56	6/21/2016 1:45	0.05	0.25	0.05	4.5
57	6/23/2016 0:10	0.48	12.92	0.20	1.9
58	7/1/2016 7:10	0.06	2.33	0.05	7.8
59	7/4/2016 17:35	0.09	11.08	0.05	3.3
60	7/6/2016 20:10	0.28	0.17	0.28	1.6
61	7/7/2016 14:00	0.08	0.17	0.08	0.7
62	7/8/2016 4:35	0.16	6.00	0.15	0.6
63	7/8/2016 23:05	0.16	12.08	0.15	0.5
64	7/16/2016 7:00	0.11	0.50	0.11	6.8
65	7/18/2016 5:55	0.14	0.92	0.14	1.9
66	7/24/2016 12:00	0.14	1.25	0.13	6.2
67	7/29/2016 13:20	0.03	3.75	0.02	5.0
68	8/9/2016 21:20	1.08	0.92	1.08	11.2
69	8/10/2016 17:45	0.04	0.25	0.04	0.8
70	8/11/2016 7:05	0.01	0.08	0.01	0.5
71	8/11/2016 22:15	0.34	8.33	0.26	0.6
72	8/12/2016 18:40	0.04	8.33	0.03	0.5
73	8/13/2016 16:15	0.28	20.50	0.08	0.6
74	8/15/2016 7:45	0.01	0.08	0.01	0.8
75	8/15/2016 20:40	0.01	0.08	0.01	0.5
76	8/16/2016 14:55	0.08	2.33	0.04	0.8

Strongsville WWTP Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	8/19/2016 14:00	0.01	0.08	0.01	2.9
78	8/21/2016 22:00	0.15	4.50	0.14	2.3
79	8/25/2016 0:25	0.21	1.00	0.21	2.9
80	8/27/2016 20:10	0.02	0.42	0.02	2.8
81	9/1/2016 21:45	0.24	11.50	0.22	5.0
82	9/6/2016 9:20	0.01	0.08	0.01	4.0
83	9/7/2016 7:25	0.36	4.50	0.30	0.9
84	9/8/2016 15:05	0.12	3.92	0.10	1.1
85	9/10/2016 4:30	1.03	17.08	0.50	1.4
86	9/14/2016 11:05	0.19	0.83	0.19	3.6
87	9/17/2016 3:40	0.40	5.83	0.21	2.7
88	9/26/2016 9:35	0.18	4.83	0.10	9.0
89	9/28/2016 19:45	0.02	0.42	0.02	2.2
90	9/29/2016 17:45	0.77	26.50	0.17	0.9
91	10/2/2016 4:35	0.55	0.83	0.55	1.3
92	10/4/2016 11:10	0.01	0.08	0.01	2.2
93	10/13/2016 2:30	0.14	2.25	0.09	8.6
94	10/16/2016 22:35	0.04	1.33	0.03	3.7
95	10/18/2016 19:15	0.14	4.58	0.07	1.8
96	10/20/2016 4:20	1.22	48.75	0.43	1.2
97	10/26/2016 13:10	0.01	0.08	0.01	4.3
98	10/27/2016 2:50	0.23	7.58	0.16	0.6
99	10/30/2016 10:25	0.07	4.33	0.06	3.0
100	11/3/2016 1:35	0.09	0.67	0.09	3.5
101	11/3/2016 22:25	0.01	0.08	0.01	0.8
102	11/8/2016 15:40	0.48	19.17	0.17	4.7
103	11/10/2016 8:05	0.01	0.08	0.01	0.9
104	11/12/2016 7:35	0.01	0.08	0.01	2.0
105	11/14/2016 7:25	0.01	0.08	0.01	2.0
106	11/15/2016 7:45	0.01	0.08	0.01	1.0
107	11/16/2016 8:35	0.07	0.25	0.07	1.0
108	11/23/2016 12:50	0.33	44.67	0.09	7.2
109	11/25/2016 22:05	0.06	12.67	0.03	0.5
110	11/28/2016 11:15	0.17	12.50	0.09	2.0
111	11/30/2016 17:45	0.31	18.25	0.19	1.8
112	12/2/2016 14:45	0.04	3.42	0.02	1.1
113	12/4/2016 20:25	0.12	3.08	0.08	2.1
114	12/5/2016 11:35	0.02	0.25	0.02	0.5

Strongsville WWTP Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
115	12/6/2016 10:55	0.51	6.08	0.21	1.0
116	12/7/2016 11:10	0.01	0.08	0.01	0.8
117	12/11/2016 4:40	0.25	21.83	0.04	3.7
118	12/15/2016 7:10	0.09	2.58	0.06	3.2
119	12/17/2016 2:25	0.79	30.75	0.29	1.7
120	12/24/2016 3:00	0.12	6.67	0.05	5.7
121	12/26/2016 19:55	0.26	2.25	0.18	2.4
122	12/28/2016 8:45	0.01	0.08	0.01	1.4
123	12/29/2016 0:15	0.02	2.67	0.01	0.6
124	12/29/2016 20:00	0.20	11.83	0.14	0.7

Strongsville Foltz Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/3/2016 18:05	0.01	0.08	0.01	2.8
2	1/4/2016 9:40	0.01	0.08	0.01	0.6
3	1/8/2016 12:30	0.41	21.00	0.10	4.1
4	1/10/2016 2:40	0.56	10.92	0.11	0.7
5	1/12/2016 2:55	0.05	5.50	0.02	1.6
6	1/15/2016 19:35	0.15	2.42	0.08	3.5
7	1/17/2016 10:35	0.02	1.50	0.01	1.5
8	1/28/2016 18:40	0.01	0.08	0.01	11.3
9	1/31/2016 23:20	0.03	0.83	0.03	3.2
10	2/2/2016 21:30	0.54	8.58	0.18	1.9
11	2/8/2016 5:35	0.47	18.17	0.10	5.0
12	2/9/2016 18:15	0.04	3.33	0.02	0.8
13	2/10/2016 14:25	0.12	21.75	0.04	0.7
14	2/12/2016 15:25	0.07	4.00	0.06	1.1
15	2/15/2016 4:05	0.01	0.08	0.01	2.4
16	2/16/2016 2:40	0.17	5.33	0.06	0.9
17	2/17/2016 12:25	0.01	0.08	0.01	1.2
18	2/24/2016 4:15	1.30	36.08	0.36	6.7
19	2/29/2016 2:25	0.06	1.00	0.06	3.4
20	3/1/2016 14:45	0.37	5.00	0.15	1.5
21	3/2/2016 8:15	0.01	0.08	0.01	0.5
22	3/3/2016 16:30	0.11	10.67	0.02	1.3
23	3/5/2016 15:25	0.02	0.50	0.02	1.5
24	3/9/2016 19:55	1.07	29.50	0.19	4.2
25	3/13/2016 1:10	0.84	22.50	0.31	2.0
26	3/14/2016 18:55	0.61	11.58	0.46	0.8
27	3/16/2016 0:35	0.01	0.08	0.01	0.8
28	3/24/2016 17:15	0.57	5.17	0.39	8.7
29	3/28/2016 1:30	0.78	10.17	0.58	3.1
30	3/30/2016 23:35	0.44	27.00	0.07	2.5
31	4/1/2016 16:00	0.10	0.92	0.10	0.6
32	4/2/2016 15:15	0.24	7.00	0.11	0.9
33	4/6/2016 14:10	1.14	37.42	0.26	3.7
34	4/8/2016 20:10	0.27	13.25	0.11	0.7
35	4/10/2016 22:05	0.64	20.42	0.20	1.5
36	4/21/2016 10:45	0.13	18.08	0.04	9.7
37	4/22/2016 17:25	0.01	0.08	0.01	0.5
38	4/26/2016 3:30	0.39	1.75	0.29	3.4

Strongsville Foltz Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	4/28/2016 8:15	0.25	21.33	0.05	2.1
40	4/30/2016 16:20	0.41	11.08	0.12	1.4
41	5/2/2016 1:00	0.65	3.92	0.28	0.9
42	5/4/2016 13:40	0.42	17.50	0.09	2.4
43	5/10/2016 3:55	0.04	1.50	0.03	4.9
44	5/10/2016 18:50	0.01	0.08	0.01	0.6
45	5/12/2016 8:50	0.07	0.50	0.07	1.6
46	5/12/2016 22:45	0.65	4.42	0.40	0.6
47	5/14/2016 5:45	0.35	31.25	0.16	1.1
48	5/20/2016 23:10	0.06	5.75	0.02	5.4
49	5/28/2016 20:25	0.01	0.08	0.01	7.6
50	5/29/2016 21:10	0.56	0.33	0.56	1.0
51	6/4/2016 19:30	0.13	21.83	0.04	5.9
52	6/6/2016 20:45	0.08	8.75	0.07	1.1
53	6/7/2016 22:25	0.33	5.25	0.14	0.7
54	6/16/2016 7:20	1.35	5.75	0.79	8.2
55	6/22/2016 23:40	0.54	10.50	0.28	6.4
56	7/1/2016 7:00	0.07	2.58	0.06	7.9
57	7/4/2016 18:20	0.10	10.58	0.07	3.4
58	7/6/2016 20:20	0.01	0.08	0.01	1.6
59	7/7/2016 14:20	0.53	0.33	0.53	0.7
60	7/8/2016 4:30	0.13	0.50	0.13	0.6
61	7/8/2016 23:00	0.56	0.67	0.56	0.8
62	7/13/2016 21:50	0.14	2.25	0.13	4.9
63	7/18/2016 5:55	0.23	1.08	0.23	4.2
64	7/24/2016 11:50	0.77	4.58	0.66	6.2
65	7/29/2016 13:45	0.17	1.67	0.15	4.9
66	7/30/2016 13:35	0.99	4.50	0.74	0.9
67	8/9/2016 21:10	1.43	0.92	1.43	10.1
68	8/10/2016 17:35	0.38	0.42	0.38	0.8
69	8/11/2016 12:10	0.14	11.83	0.07	0.8
70	8/13/2016 2:40	0.01	0.08	0.01	1.1
71	8/13/2016 16:10	0.47	21.50	0.13	0.6
72	8/15/2016 7:05	0.06	16.00	0.03	0.7
73	8/16/2016 14:50	0.08	2.42	0.05	0.7
74	8/17/2016 9:55	0.01	0.08	0.01	0.7
75	8/21/2016 23:10	0.03	5.42	0.01	4.5
76	8/25/2016 0:20	0.40	1.17	0.39	2.8

Strongsville Foltz Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	8/25/2016 17:45	0.13	0.83	0.13	0.7
78	8/27/2016 19:50	0.03	0.42	0.03	2.1
79	8/28/2016 17:40	0.01	0.08	0.01	0.9
80	8/31/2016 14:00	0.39	0.50	0.39	2.8
81	9/1/2016 22:00	0.53	8.33	0.51	1.3
82	9/8/2016 15:00	0.15	3.92	0.10	6.4
83	9/10/2016 4:30	0.86	16.67	0.49	1.4
84	9/14/2016 10:55	0.45	1.25	0.44	3.6
85	9/17/2016 3:35	0.47	17.33	0.14	2.6
86	9/26/2016 9:30	0.26	5.00	0.14	8.5
87	9/28/2016 15:35	1.43	61.33	0.29	2.0
88	10/2/2016 4:30	0.26	0.75	0.26	1.0
89	10/3/2016 5:15	0.01	0.08	0.01	1.0
90	10/12/2016 23:10	0.22	5.83	0.11	9.7
91	10/16/2016 20:45	0.14	12.42	0.08	3.7
92	10/18/2016 19:35	0.11	1.92	0.09	1.4
93	10/20/2016 4:20	2.16	49.08	0.43	1.3
94	10/27/2016 3:00	0.38	6.17	0.30	4.9
95	10/27/2016 23:55	0.01	0.08	0.01	0.6
96	10/30/2016 10:25	0.21	1.92	0.17	2.4
97	11/2/2016 23:05	0.17	10.42	0.13	3.4
98	11/8/2016 16:30	0.86	18.75	0.42	5.3
99	11/19/2016 5:50	0.47	20.75	0.17	9.8
100	11/23/2016 14:40	0.24	39.92	0.07	3.5
101	11/28/2016 11:00	0.16	12.50	0.09	3.2
102	11/30/2016 17:40	0.27	14.42	0.20	1.8
103	12/2/2016 15:15	0.01	0.08	0.01	1.3
104	12/4/2016 19:55	0.12	3.25	0.08	2.2
105	12/6/2016 10:35	0.45	6.33	0.19	1.5
106	12/7/2016 12:45	0.01	0.08	0.01	0.8
107	12/11/2016 4:10	0.21	22.25	0.05	3.6
108	12/15/2016 9:15	0.01	0.08	0.01	3.3
109	12/17/2016 2:30	0.74	25.33	0.28	1.7
110	12/18/2016 16:30	0.01	0.08	0.01	0.5
111	12/24/2016 3:15	0.12	4.83	0.05	5.4
112	12/26/2016 11:35	0.19	10.67	0.12	2.1
113	12/29/2016 1:55	0.02	0.83	0.02	2.2
114	12/29/2016 20:10	0.09	1.25	0.08	0.7

GJM Bldg Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/8/2016 13:25	0.25	18.83	0.08	7.6
2	1/10/2016 3:10	0.31	8.17	0.08	0.8
3	1/14/2016 11:00	0.02	0.75	0.02	4.0
4	1/15/2016 20:00	0.11	6.50	0.05	1.3
5	1/26/2016 5:00	0.01	0.08	0.01	10.1
6	1/28/2016 20:45	0.01	0.08	0.01	2.7
7	1/31/2016 23:25	0.06	2.17	0.05	3.1
8	2/2/2016 21:50	0.60	8.42	0.20	1.8
9	2/5/2016 10:00	0.01	0.08	0.01	2.2
10	2/8/2016 6:30	0.52	28.25	0.10	2.9
11	2/15/2016 14:00	0.04	12.67	0.02	6.1
12	2/16/2016 15:05	0.02	0.75	0.02	0.5
13	2/17/2016 10:30	0.03	2.00	0.02	0.8
14	2/18/2016 14:30	0.04	1.17	0.03	1.1
15	2/19/2016 8:40	0.05	1.25	0.04	0.7
16	2/24/2016 4:50	1.16	16.17	0.33	4.8
17	2/25/2016 12:40	0.03	9.00	0.02	0.7
18	2/29/2016 2:35	0.07	0.58	0.07	3.2
19	3/1/2016 15:45	0.33	5.75	0.13	1.5
20	3/4/2016 11:10	0.12	2.83	0.08	2.6
21	3/5/2016 16:30	0.04	4.67	0.01	1.1
22	3/9/2016 12:25	0.90	33.92	0.16	3.6
23	3/13/2016 5:30	0.63	18.92	0.16	2.3
24	3/14/2016 19:35	0.49	12.33	0.36	0.8
25	3/16/2016 1:00	0.26	14.50	0.24	0.7
26	3/24/2016 17:35	0.44	10.67	0.28	8.1
27	3/28/2016 1:45	0.90	22.42	0.64	2.9
28	3/31/2016 0:10	0.25	23.42	0.06	2.0
29	4/1/2016 16:20	0.04	0.58	0.04	0.7
30	4/2/2016 15:25	0.17	4.75	0.10	0.9
31	4/3/2016 9:40	0.02	7.83	0.01	0.6
32	4/6/2016 13:00	0.78	43.50	0.25	2.8
33	4/8/2016 21:30	0.09	1.75	0.07	0.5
34	4/10/2016 15:10	0.60	27.08	0.11	1.7
35	4/21/2016 11:10	0.07	8.92	0.02	9.7
36	4/26/2016 3:25	0.43	1.67	0.33	4.3
37	4/28/2016 9:00	0.31	23.50	0.08	2.2
38	4/30/2016 17:25	0.61	14.25	0.13	1.4

GJM Bldg Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	5/2/2016 1:20	1.02	3.75	0.48	0.7
40	5/4/2016 21:30	0.06	10.08	0.03	2.7
41	5/12/2016 9:30	0.78	17.75	0.34	7.1
42	5/14/2016 5:55	0.93	37.92	0.16	1.1
43	5/17/2016 6:35	0.09	2.00	0.06	1.4
44	5/21/2016 2:10	0.04	9.42	0.02	3.7
45	5/29/2016 20:55	1.59	0.92	1.59	8.4
46	6/4/2016 17:15	0.34	25.50	0.22	5.8
47	6/8/2016 3:10	0.01	0.08	0.01	2.4
48	6/27/2016 9:40	0.06	0.08	0.06	19.3
49	7/7/2016 9:05	0.03	0.17	0.03	10.0
50	7/8/2016 5:10	0.15	0.75	0.15	0.8
51	7/13/2016 22:10	0.23	6.83	0.22	5.7
52	7/15/2016 1:35	0.01	0.08	0.01	0.9
53	7/16/2016 8:10	0.36	3.17	0.20	1.3
54	7/18/2016 5:30	0.40	1.17	0.39	1.8
55	7/22/2016 6:25	0.02	0.08	0.02	4.0
56	7/30/2016 2:40	0.06	15.25	0.03	7.8
57	7/31/2016 9:45	0.01	0.08	0.01	0.7
58	8/5/2016 15:30	0.22	0.50	0.22	5.2
59	8/9/2016 17:35	0.79	5.08	0.78	4.1
60	8/10/2016 18:45	0.23	1.08	0.23	0.8
61	8/11/2016 14:50	0.73	7.83	0.37	0.8
62	8/13/2016 3:15	0.39	33.42	0.16	1.2
63	8/16/2016 15:05	0.22	2.17	0.18	2.1
64	8/17/2016 14:50	0.01	0.08	0.01	0.9
65	8/19/2016 15:55	0.11	3.50	0.10	2.0
66	8/25/2016 0:40	0.88	0.92	0.88	5.2
67	8/25/2016 17:40	0.09	0.17	0.09	0.7
68	8/27/2016 20:00	0.09	0.92	0.09	2.1
69	9/8/2016 14:40	0.45	0.42	0.45	11.7
70	9/10/2016 4:40	0.76	17.75	0.37	1.6
71	9/17/2016 3:10	1.64	6.58	1.16	6.2
72	9/26/2016 9:35	0.27	3.25	0.21	9.0
73	9/28/2016 21:00	1.17	30.33	0.26	2.3
74	9/30/2016 15:50	0.24	2.00	0.21	0.5
75	10/2/2016 5:00	0.37	2.08	0.33	1.5
76	10/12/2016 23:20	0.13	5.17	0.07	10.7

GJM Bldg Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	10/16/2016 22:55	0.26	10.67	0.22	3.8
78	10/18/2016 18:50	0.14	2.42	0.12	1.4
79	10/20/2016 4:40	1.71	46.75	0.34	1.3
80	10/26/2016 13:25	0.72	24.42	0.27	4.4
81	10/30/2016 9:30	0.22	8.08	0.16	2.8
82	11/3/2016 0:00	0.41	8.33	0.22	3.3
83	11/8/2016 15:00	0.20	11.83	0.11	5.3
84	11/19/2016 6:10	0.45	19.25	0.14	10.1
85	11/23/2016 13:10	0.31	43.08	0.07	3.5
86	11/26/2016 0:30	0.16	9.00	0.09	0.7
87	11/28/2016 22:15	0.10	5.17	0.06	2.5
88	11/30/2016 17:45	0.44	3.00	0.34	1.6
89	12/2/2016 13:55	0.05	1.50	0.04	1.7
90	12/4/2016 20:20	0.12	3.50	0.08	2.2
91	12/6/2016 11:50	0.49	5.33	0.17	1.5
92	12/10/2016 12:25	0.01	0.08	0.01	3.8
93	12/11/2016 23:10	0.13	2.92	0.06	1.4
94	12/12/2016 14:50	0.01	0.08	0.01	0.5
95	12/15/2016 8:05	0.01	0.08	0.01	2.7
96	12/17/2016 9:15	0.64	15.42	0.23	2.0
97	12/24/2016 4:30	0.05	3.92	0.02	6.2
98	12/26/2016 11:50	0.25	10.33	0.16	2.1
99	12/29/2016 2:15	0.03	1.75	0.02	2.2
100	12/29/2016 21:15	0.01	0.08	0.01	0.7

Westlake Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
1	1/3/2016 14:30	0.02	0.42	0.02	2.6
2	1/4/2016 10:35	0.01	0.08	0.01	0.8
3	1/8/2016 12:40	0.38	18.25	0.10	4.1
4	1/10/2016 3:00	0.72	11.17	0.12	0.8
5	1/12/2016 4:25	0.03	3.83	0.01	1.6
6	1/15/2016 19:35	0.13	6.67	0.08	3.5
7	1/17/2016 11:40	0.01	0.08	0.01	1.4
8	1/26/2016 4:40	0.01	0.08	0.01	8.7
9	1/29/2016 2:40	0.01	0.08	0.01	2.9
10	1/31/2016 23:15	0.04	1.17	0.03	2.9
11	2/2/2016 21:40	0.60	8.33	0.19	1.9
12	2/8/2016 5:55	0.50	17.92	0.10	5.0
13	2/9/2016 16:25	0.23	30.33	0.05	0.7
14	2/15/2016 4:55	0.01	0.08	0.01	4.3
15	2/16/2016 2:40	0.15	6.50	0.05	0.9
16	2/24/2016 4:45	1.22	35.33	0.29	7.8
17	2/29/2016 2:20	0.08	1.33	0.07	3.4
18	3/1/2016 15:15	0.40	4.75	0.17	1.5
19	3/3/2016 10:50	0.13	18.42	0.02	1.6
20	3/5/2016 16:35	0.02	0.33	0.02	1.5
21	3/9/2016 20:00	0.96	25.75	0.15	4.1
22	3/13/2016 0:00	0.77	25.58	0.15	2.1
23	3/14/2016 19:15	0.85	13.00	0.61	0.7
24	3/16/2016 1:20	0.02	0.25	0.02	0.7
25	3/24/2016 17:20	0.55	5.08	0.35	8.7
26	3/28/2016 1:25	0.53	10.00	0.33	3.1
27	3/30/2016 23:50	0.41	13.50	0.10	2.5
28	4/1/2016 15:45	0.06	0.75	0.06	1.1
29	4/2/2016 15:20	0.28	8.42	0.14	1.0
30	4/6/2016 12:55	2.54	66.75	0.41	3.5
31	4/10/2016 21:55	0.41	20.08	0.11	1.6
32	4/21/2016 10:30	0.08	9.50	0.02	9.7
33	4/25/2016 23:35	0.39	5.67	0.29	4.1
34	4/28/2016 8:20	0.33	22.92	0.07	2.1
35	4/30/2016 16:35	0.68	15.75	0.16	1.4
36	5/2/2016 1:10	0.96	3.83	0.47	0.7
37	5/4/2016 14:35	0.33	17.58	0.11	2.4
38	5/10/2016 4:55	0.02	0.83	0.02	4.9

Westlake Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
39	5/12/2016 9:05	0.04	0.33	0.04	2.1
40	5/12/2016 22:10	0.56	5.17	0.29	0.5
41	5/14/2016 5:35	1.06	28.17	0.19	1.1
42	5/17/2016 6:05	0.01	0.08	0.01	1.8
43	5/21/2016 2:20	0.03	10.00	0.02	3.8
44	5/28/2016 20:10	0.01	0.08	0.01	7.3
45	5/29/2016 20:55	0.01	0.08	0.01	1.0
46	6/4/2016 18:10	0.19	22.92	0.11	5.9
47	6/7/2016 3:20	0.01	0.08	0.01	1.4
48	6/16/2016 7:15	0.34	0.25	0.34	9.2
49	6/16/2016 22:50	0.03	0.17	0.03	0.6
50	6/23/2016 3:15	0.07	9.25	0.05	6.2
51	6/27/2016 0:25	0.01	0.08	0.01	3.5
52	7/1/2016 9:05	0.02	0.25	0.02	4.4
53	7/4/2016 18:15	0.03	1.58	0.02	3.4
54	7/6/2016 19:55	0.01	0.08	0.01	2.0
55	7/8/2016 4:35	0.41	0.67	0.41	1.4
56	7/8/2016 22:45	0.05	4.67	0.04	0.7
57	7/13/2016 22:25	0.01	0.08	0.01	4.8
58	7/16/2016 5:00	0.96	4.58	0.48	2.3
59	7/18/2016 5:10	0.65	1.33	0.60	1.8
60	7/24/2016 15:55	0.01	0.08	0.01	6.4
61	7/30/2016 14:10	0.01	0.08	0.01	5.9
62	8/5/2016 15:10	0.11	0.50	0.11	6.0
63	8/9/2016 21:30	0.32	0.75	0.32	4.2
64	8/10/2016 18:10	0.11	1.92	0.10	0.8
65	8/11/2016 14:55	1.18	8.92	0.96	0.8
66	8/12/2016 18:50	0.38	46.00	0.22	0.8
67	8/15/2016 7:40	0.01	0.08	0.01	0.6
68	8/15/2016 21:45	0.68	42.42	0.37	0.6
69	8/19/2016 13:00	0.10	4.92	0.09	1.9
70	8/20/2016 20:15	0.04	2.42	0.03	1.1
71	8/21/2016 21:35	0.11	10.25	0.10	1.0
72	8/25/2016 0:15	0.84	0.92	0.84	2.7
73	8/25/2016 17:15	0.06	0.17	0.06	0.7
74	8/27/2016 17:55	0.12	6.25	0.10	2.0
75	9/7/2016 6:55	0.29	4.92	0.26	10.3
76	9/8/2016 14:25	0.12	1.83	0.11	1.1

Westlake Rain Gauge					
Event	Start Date/Time	Depth (in)	Duration (Hrs)	Peak 1-hr Intensity (In/Hr)	Antecedent Dry Period (Days)
77	9/9/2016 4:25	0.03	0.92	0.03	0.5
78	9/10/2016 4:35	0.65	17.33	0.25	1.0
79	9/14/2016 10:55	0.10	0.75	0.10	3.5
80	9/17/2016 2:55	2.64	18.33	1.53	2.6
81	9/18/2016 13:10	0.14	1.17	0.13	0.7
82	9/20/2016 8:00	0.01	0.08	0.01	1.7
83	9/28/2016 16:15	1.92	48.92	0.31	8.3
84	10/1/2016 5:25	0.01	0.08	0.01	0.5
85	10/2/2016 4:30	0.20	1.00	0.20	1.0
86	10/3/2016 8:30	0.01	0.08	0.01	1.1
87	10/13/2016 1:50	0.18	2.67	0.10	9.7
88	10/16/2016 22:10	0.29	2.67	0.26	3.7
89	10/18/2016 18:35	0.20	2.33	0.16	1.7
90	10/20/2016 4:20	1.87	47.42	0.26	1.3
91	10/26/2016 13:10	0.45	17.83	0.26	4.4
92	10/27/2016 23:15	0.01	0.08	0.01	0.7
93	10/30/2016 9:20	0.22	2.33	0.17	2.4
94	10/31/2016 8:00	0.01	0.08	0.01	0.8
95	11/2/2016 23:25	0.63	9.33	0.38	2.6
96	11/8/2016 14:55	0.41	13.08	0.15	5.3
97	11/19/2016 4:25	0.44	20.25	0.21	10.0
98	11/23/2016 12:35	0.33	37.75	0.08	3.5
99	11/26/2016 6:45	0.05	2.75	0.03	1.2
100	11/28/2016 11:20	0.26	16.50	0.09	2.1
101	11/30/2016 17:50	0.22	2.42	0.14	1.6
102	12/2/2016 13:55	0.04	0.50	0.04	1.7
103	12/4/2016 20:15	0.14	2.83	0.10	2.2
104	12/6/2016 11:40	0.51	5.17	0.18	1.5
105	12/9/2016 20:00	0.02	0.33	0.02	3.1
106	12/11/2016 2:50	0.34	23.17	0.07	1.3
107	12/15/2016 6:15	0.03	0.75	0.03	3.2
108	12/17/2016 2:05	0.70	26.00	0.24	1.8
109	12/24/2016 2:55	0.06	2.92	0.03	6.0
110	12/26/2016 3:05	0.01	0.08	0.01	1.9
111	12/26/2016 19:25	0.35	2.33	0.31	0.7
112	12/29/2016 2:00	0.02	0.50	0.02	2.2
113	12/29/2016 19:05	0.07	8.08	0.04	0.7

Attachment B

Thiessen Polygon Tool in ArcGIS to Spatially Distribute Rain Gauge Data

Thiessen Polygon Tool in ArcGIS to Spatially Distribute Rain Gauge Data

During data collection for 2016, the Cleveland Heights and Wade Park permanent Rain Gauges both were was removed from service due to construction. A temporary gauge for Cleveland Heights was installed approximately a half mile from the original site. A temporary gauge was also installed on the roof of the District's GJM building located at 3900 Euclid Avenue. For the 2016 model simulation, Thiessen polygon was constructed based on the temporary gauges, following the approach described below.

1. Create rain gauge boundaries in ArcGIS via Thiessen Polygon tool.
    A) ArcToolbox → Analysis Tools → Proximity → Create Thiessen Polygons
        i. Input Features: Rain Gauge point shapefile
        ii. OK to generate Thiessen Polygons. The default processing extent is the same extent as the rain gauge point features with a 10% buffer (see Figure B1). The extent can be changed in the Environment settings.

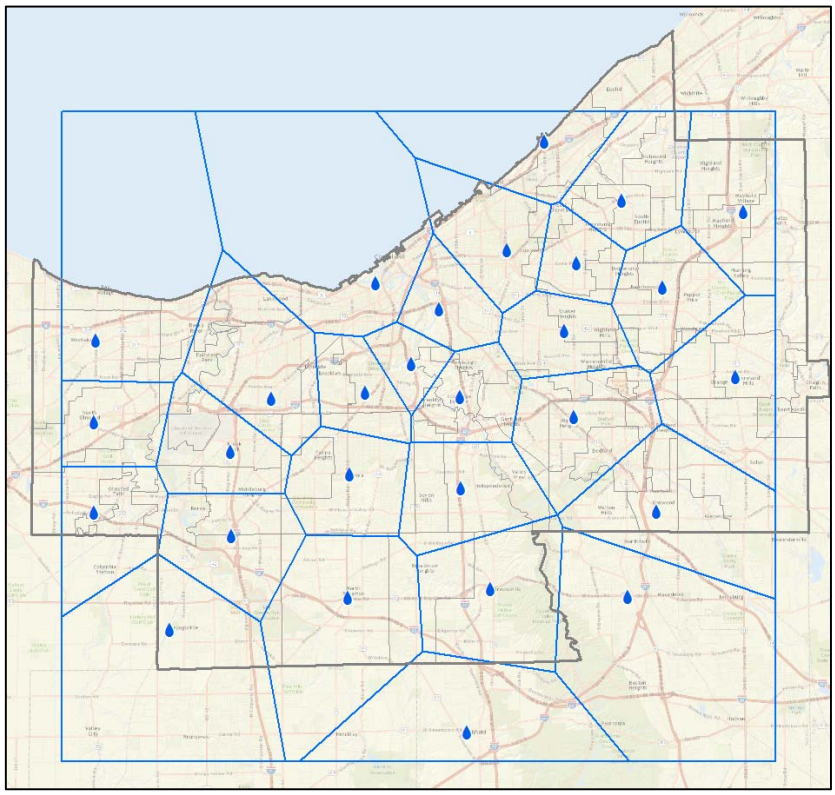


Figure B1. Rain Gauge Boundaries generated using the Thiessen Polygon tool in ArcGIS

    B) Add Field "*PROFILE*" to the rain gauge boundary shapefile of Type: SHORT.
    C) Assign each rain gauge boundary with a unique ID# under the *PROFILE* field. This will be used by InfoWorks ICM to assign rainfall profiles to subcatchments.

2. Add the rain gauge boundaries to the InfoWorks ICM model.2.

A) Import rain gauge boundary shapefile as a GIS layer.
B) GeoPlan → Rain gauge data → **Import from map data…**
   i. Select rain gauge boundary layer, then Import.
C) Verify that all the model subcatchments lie completely within the rain gauge boundaries. If they do not, the boundaries need to be manually adjusted in GIS, as shown in **Figure B2**, and re-imported into ICM.

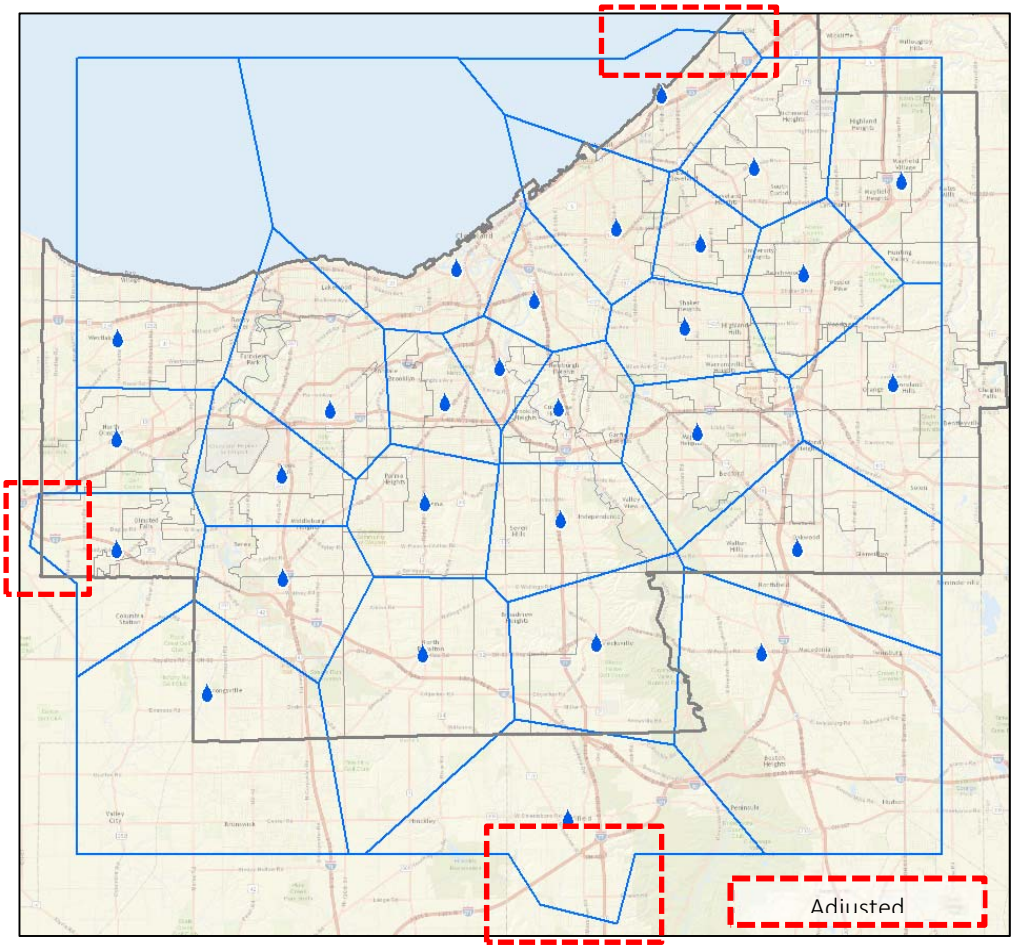


Figure B2. Rain Gauge Boundaries Manually Adjusted in ArcGIS to overlap model subcatchments.

3. **Format Raw Data for use in ICM**

   A) Fill BLANK data gaps in raw data with values of zero.

   B) Convert each time step in raw data into intensity/hour. If raw data is recorded every 5-minutes, multiply each time step by 12.

4. **Add rain gauge rainfall data to ICM.**
   A) Add new rainfall event in ICM and open Rainfall Event editor.

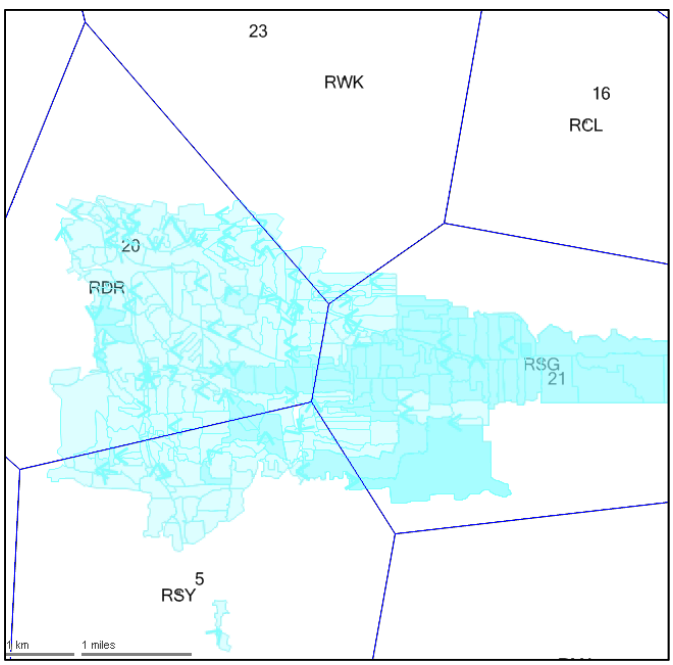
B) Append profiles for each rain gauge boundary and rename profile titles to match rain gauge boundary profiles. There should only be one rainfall event file for all models being simulated.
   i. Right-click cell → Profile Properties → Change Profile Title

C) Edit start date/time to match rainfall data
   i. Right-click cell → Sub-Event Properties
      1. Start Date: **MM/DD/YYYY**
      2. Start Time: **hh:mm:ss**
      3. Timestep: **5m** (for 5-minutes – change according to rainfall timesteps)

D) Add rainfall to each profile via copy and paste from Excel rainfall data.
   i. Select "Add timesteps to this sub-event, so all data can be pasted" → OK

E) Save and exit Rainfall Event editor window.

5. **Apply rain gauge boundaries to rainfall event.** This will override the profile number entered in the Subcatchment's *Rainfall Profile* field.
   A) GeoPlan → Rain gauge data → **Save to rainfall event**…
   B) Select rainfall event with rain gauge profiles. Make sure rainfall profile names are consistent with rain gauge boundary IDs as seen in the table heading on the right and the GeoPlan map on the left (**Figure B3**).

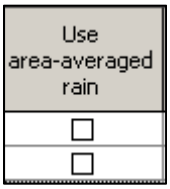


Time	20 (in/hr)	5 (in/hr)	21 (in/hr)	23 (in/hr)
SUB-EVENT 1				
08-01-2014 at 00:00	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 00:05	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 00:10	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 00:15	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 00:20	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 00:25	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 00:30	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 00:35	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 00:40	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 00:45	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 00:50	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 00:55	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:00	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:05	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:10	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:15	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:20	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:25	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:30	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:35	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:40	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:45	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:50	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:55	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 02:00	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 02:05	0.000000	0.000000	0.000000	0.000000

Figure B3. Confirm Rainfall Profile Names are Consistent with Rain Gauge Boundary Profile IDs

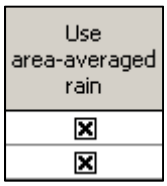
6. For subcatchments that lie within two or more rain gauge boundaries, the user can dictate whether the boundaries are assigned (A) based on the subcatchment's centroid location or (B) using an area-averaged rainfall.

A) In the Subcatchment Grid or Properties window, **un-check** the "**Use area-averaged rain**" option to toggle **off**. The rain gauge boundary that contains the centroid of the subcatchment will be used to provide rainfall data for the entire subcatchment. **This is the default and the recommended option.**



   i. The centroid is often defined by the x and y coordinates of the subcatchment.
   ii. If the subcatchment has no coordinates, ICM will use the coordinates of the drainage node.
   iii. If the drainage node has no coordinates, ICM will assume coordinates of 0, 0.
   iv. Simulations will fail if subcatchment centroids fall outside of the defined rain gauge boundary.

B) In the Subcatchment Grid or Properties window, **check** the "**Use area-averaged rain**" option to toggle **on**. This will use data from all rain gauge boundaries that the subcatchment overlaps.



   i. Simulations will fail if the subcatchment falls wholly or partly outside any rain gauge boundary.
   ii. If the subcatchment does not have a boundary, the option is ignored.
   iii. The following variables are not area-averaged. Instead, the values are from the rainfall boundary that covers the greatest area of subcatchment.
      - Antecedent rainfall
      - Local evaporation
      - Evaporation from multiple evaporation profiles
      - Temperature from multiple temperature profiles
      - Runoff initial conditions

7. **Run Simulation**
   A) Open the Schedule Hydraulic Run View.
   B) Add simulation components (e.g. model network, rainfall event, wastewater, etc.).
   C) The rainfall event with linked rain gauge boundaries will automatically override rainfall profiles defined in the subcatchment properties.

8. **QA/QC Hydrology**
   A) Verify for a few subcatchments that the rainfall volume is consistent with the corresponding rain gauge's observed rainfall volume.

Attachment C

2016 Qualitative Habitat Evaluation Index Sheets

Qualitative Habitat Evaluation Index and Use Assessment Field Sheet

QHEI Score: 65.5

Stream & Location: Big Creek (Main branch, upstream of Memphis) **RM:** 04.40 **Date:** 08/16/16

Scorers Full Name & Affiliation: M. Matteson (K. Amidon) Northeast Ohio Regional Sewer District

River Code: - - - **STORET #:** **Lat./Long.:** 41.4460 / 81.7540 (NAD 83 - decimal °) Office verified location ☐

1] SUBSTRATE

Check ONLY Two substrate TYPE BOXES; estimate % or note every type present

BEST TYPES	POOL	RIFFLE	OTHER TYPES	POOL	RIFFLE
☐ ☐ BLDR /SLABS [10]	X	X	☐ ☐ HARDPAN [4]		
■ ☐ BOULDER [9]	X	X	☐ ☐ DETRITUS [3]		
☐ ■ COBBLE [8]	X	X	☐ ☐ MUCK [2]		
☐ ☐ GRAVEL [7]	X	X	☐ ☐ SILT [2]	X	X
☐ ☐ SAND [6]	X	X	☐ ☐ ARTIFICIAL [0]	X	X
☐ ☐ BEDROCK [5]	X	X			

(Score natural substrates; ignore sludge from point-sources)

NUMBER OF BEST TYPES: ■ 4 or more [2] ☐ 3 or less [0]

Check ONE (Or 2 & average)

ORIGIN: ☐ LIMESTONE [1] ■ TILLS [1] ☐ WETLANDS [0] ☐ HARDPAN [0] ☐ SANDSTONE [0] ☐ RIP/RAP [0] ☐ LACUSTURINE [0] ☐ SHALE [-1] ☐ COAL FINES [-2]

QUALITY: SILT: ☐ HEAVY [-2] ☐ MODERATE [-1] ■ NORMAL [0] ☐ FREE [1]

EMBEDDEDNESS: ☐ EXTENSIVE [-2] ■ MODERATE [-1] ☐ NORMAL [0] ☐ NONE [1]

Comments 9+8+2+X-X

Substrate 19 (Maximum 20)

2] INSTREAM COVER

Indicate presence 0 to 3: 0-Absent; 1-Very small amounts or if more common of marginal quality; 2-Moderate amounts, but not of highest quality or in small amounts of highest quality; 3-Highest quality in moderate or greater amounts (e.g., very large boulders in deep or fast water, large diameter log that is stable, well developed rootwad in deep / fast water, or deep, well-defined, functional pools.

1 UNDERCUT BANKS [1]	___ POOLS > 70cm [2]	___ OXBOWS, BACKWATERS [1]
1 OVERHANGING VEGETATION [1]	1 ROOTWADS [1]	___ AQUATIC MACROPHYTES [1]
1 SHALLOWS (IN SLOW WATER) [1]	2 BOULDERS [1]	1 LOGS OR WOODY DEBRIS [1]
1 ROOTMATS [1]		

AMOUNT Check ONE (Or 2 & average)

☐ EXTENSIVE >75% [11] ■ MODERATE 25-75% [7] ■ SPARSE 5-<25% [3] ☐ NEARLY ABSENT <5% [1]

Comments 7+5

Cover 12 (Maximum 20)

3] CHANNEL MORPHOLOGY

Check ONE in each category (Or 2 & average)

SINUOSITY	DEVELOPMENT	CHANNELIZATION	STABILITY
☐ HIGH [4]	☐ EXCELLENT [7]	☐ NONE [6]	■ HIGH [3]
☐ MODERATE [3]	☐ GOOD [5]	☐ RECOVERED [4]	■ MODERATE [2]
☐ LOW [2]	■ FAIR [3]	☐ RECOVERING [3]	☐ LOW [1]
■ NONE [1]	☐ POOR [1]	■ RECENT OR NO RECOVERY [1]	

Comments 1+3+1+2.5

Channel 7.5 (Maximum 20)

4] BANK EROSION AND RIPARIAN ZONE

Check ONE in each category for EACH BANK (Or 2 per bank & average)

River right looking downstream

EROSION (L R)	RIPARIAN WIDTH (L R)	FLOOD PLAIN QUALITY (L R)	(L R)
☐ ☐ NONE / LITTLE [3]	☐ ■ WIDE > 50m [4]	☐ ☐ FOREST, SWAMP [3]	☐ ☐ CONSERVATION TILLAGE [1]
■ ■ MODERATE [2]	☐ ☐ MODERATE 10-50m [3]	☐ ■ SHRUB OR OLD FIELD [2]	☐ ☐ URBAN OR INDUSTRIAL [0]
☐ ☐ HEAVY / SEVERE [1]	☐ ☐ NARROW 5-10m [2]	■ ☐ RESIDENTIAL, PARK, NEW FIELD [1]	☐ ☐ MINING / CONSTRUCTION [0]
	■ ☐ VERY NARROW < 5m [1]	☐ ☐ FENCED PASTURE [1]	
	☐ ☐ NONE [0]	☐ ☐ OPEN PASTURE, ROWCROP [0]	

Indicate predominant land use(s) past 100m riparian.

Comments 2+2.5+1.5

Riparian 6 (Maximum 10)

5] POOL / GLIDE AND RIFFLE / RUN QUALITY

MAXIMUM DEPTH Check ONE (ONLY!)

☐ > 1m [6] ☐ 0.7-<1m [4] ■ 0.4-<0.7m [2] ☐ 0.2-<0.4m [1] ☐ < 0.2m [0]

CHANNEL WIDTH Check ONE (Or 2 & average)

☐ POOL WIDTH > RIFFLE WIDTH [2] ■ POOL WIDTH = RIFFLE WIDTH [1] ☐ POOL WIDTH < RIFFLE WIDTH [0]

CURRENT VELOCITY Check ALL that apply

☐ TORRENTIAL [-1] ■ SLOW [1] ☐ VERY FAST [1] ☐ INTERSTITIAL [-1] ■ FAST [1] ☐ INTERMITTENT [-2] ■ MODERATE [1] ☐ EDDIES [1]

Indicate for reach - pools and riffles.

Recreation Potential
Primary Contact
Secondary Contact
(circle one and comment on back)

Comments 2+1+3

Pool / Current 6 (Maximum 12)

Indicate for functional riffles; Best areas must be large enough to support a population of riffle-obligate species: Check ONE (Or 2 & average). ☐ NO RIFFLE [metric=0]

RIFFLE DEPTH	RUN DEPTH	RIFFLE / RUN SUBSTRATE	RIFFLE / RUN EMBEDDEDNESS
■ BEST AREAS > 10cm [2]	☐ MAXIMUM > 50cm [2]	■ STABLE (e.g., Cobble, Boulder) [2]	☐ NONE [2]
☐ BEST AREAS 5-10cm [1]	■ MAXIMUM < 50cm [1]	☐ MOD. STABLE (e.g., Large Gravel) [1]	☐ LOW [1]
☐ BEST AREAS < 5cm [metric=0]		☐ UNSTABLE (e.g., Fine Gravel, Sand) [0]	■ MODERATE [0]
			☐ EXTENSIVE [-1]

Comments 2+1+2+0

Riffle / Run 5 (Maximum 8)

6] GRADIENT

(17.60 ft/mi) ☐ VERY LOW - LOW [2-4] ■ MODERATE [6-10] ☐ HIGH - VERY HIGH [10-6]

DRAINAGE AREA (19.30 mi²)

%POOL: ( ) %GLIDE: ( )
%RUN: ( ) %RIFFLE: ( )

Gradient 10 (Maximum 10)

A] SAMPLED REACH

Check ALL that apply

METHOD

- ☐ BOAT
- ☐ WADE
- ☐ L. LINE
- ☐ OTHER

DISTANCE

- ☐ 0.5 Km
- ☐ 0.2 Km
- ☐ 0.15 Km
- ☐ 0.12 Km
- ☐ OTHER

_____ meters

STAGE

1st -sample pass- 2nd

- ☐ HIGH ☐
- ☐ UP ☐
- ☐ NORMAL ☐
- ☐ LOW ☐
- ☐ DRY ☐

CLARITY

1st --sample pass-- 2nd

- ☐ < 20 cm ☐
- ☐ 20-<40 cm ☐
- ☐ 40-70 cm ☐
- ☐ > 70 cm/ CTB ☐
- ☐ SECCHI DEPTH ☐

1st_____ cm

2nd_____ cm

CANOPY

- ☐ > 85%- OPEN
- ☐ 55%-<85%
- ☐ 30%-<55%
- ☐ 10%-<30%
- ☐ <10%- CLOSED

Comment RE: Reach consistency/ Is reach typical of steam?, *Recreation/* Observed - Inferred, *Other/* Sampling observations, Concerns, Access directions, etc.

B] AESTHETICS

- ☐ NUISANCE ALGAE
- ☐ INVASIVE MACROPHYTES
- ☐ EXCESS TURBIDITY
- ☐ DISCOLORATION
- ☐ FOAM / SCUM
- ☐ OIL SHEEN
- ☐ TRASH / LITTER
- ☐ NUISANCE ODOR
- ☐ SLUDGE DEPOSITS
- ☐ CSOs/SSOs/OUTFALLS

C] RECREATION

AREA DEPTH

POOL: ☐ >100ft² ☐ >3ft

D] MAINTENANCE

Circle some & *COMMENT*

PUBLIC / PRIVATE / BOTH / NA
ACTIVE / HISTORIC / BOTH / NA
YOUNG-SUCCESSION-OLD
SPRAY / SNAG / REMOVED
MODIFIED / DIPPED OUT / NA
LEVEED / ONE SIDED
RELOCATED / CUTOFFS
MOVING-BEDLOAD-STABLE
ARMOURED / SLUMPS
ISLANDS / SCOURED
IMPOUNDED / DESICCATED
FLOOD CONTROL / DRAINAGE

E] ISSUES

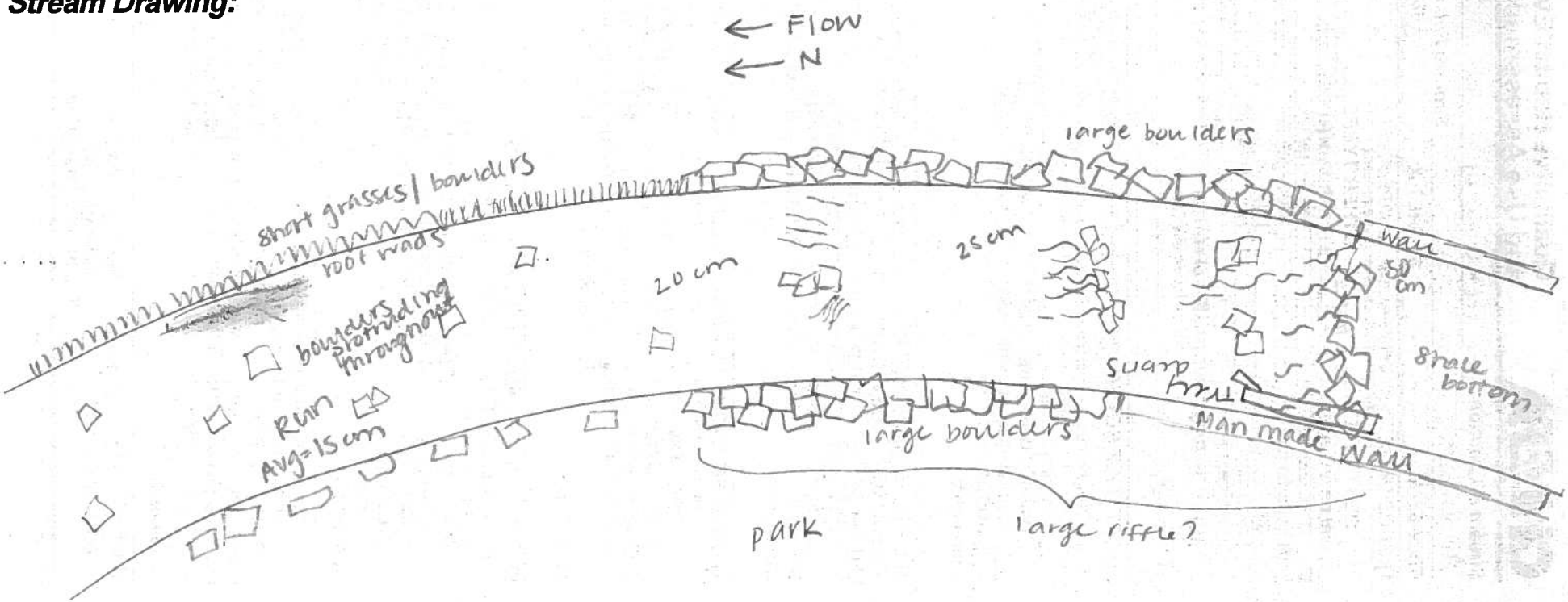
WWTP / CSO / NPDES / INDUSTRY
HARDENED / URBAN / DIRT&GRIME
CONTAMINATED / LANDFILL
BMPs-CONSTRUCTION-SEDIMENT
LOGGING / IRRIGATION / COOLING
BANK / EROSION / SURFACE
FALSE BANK / MANURE / LAGOON
WASH H_2O / TILE / H_2O TABLE
ACID / MINE / QUARRY / FLOW
NATURAL / WETLAND / STAGNANT
PARK / GOLF / LAWN / HOME
ATMOSPHERE / DATA PAUCITY

F] MEASUREMENTS

- $\bar{x}$ width
- $\bar{x}$ depth
- max. depth
- $\bar{x}$ bankfull width
- bankfull $\bar{x}$ depth
- W/D ratio
- bankfull max. depth
- floodprone x^2 width
- entrench. ratio

Legacy Tree:

Stream Drawing:



Ohio EPA — Qualitative Habitat Evaluation Index and Use Assessment Field Sheet

QHEI Score: 69.5

Stream & Location: Big Creek, Downstream of Jennings Road **RM:** 0.15 **Date:** 9/6/16

Scorers Full Name & Affiliation: Matheson — Northeast Ohio Regional Sewer District

River Code: ___-___-___ **STORET #:** _____ **Lat./Long.:** (NAD 83 - decimal °) 41.4460 181.6865 — Office verified location ☐

1] SUBSTRATE

Check ONLY Two substrate TYPE BOXES; estimate % or note every type present

BEST TYPES	POOL	RIFFLE	OTHER TYPES	POOL	RIFFLE
☐☐ BLDR/SLABS [10]	✓		☐☐ HARDPAN [4]	✓	
☐☐ BOULDER [9]	✓	✓	☐☐ DETRITUS [3]	✓	
☐☐ COBBLE [8]	✓	✓	☐☐ MUCK [2]		
☐☑ GRAVEL [7]	✓	✓	☐☐ SILT [2]	✓	
☑☐ SAND [6]	✓	✓	☐☐ ARTIFICIAL [0]	✓	✓
☐☐ BEDROCK [5]		✓			

(Score natural substrates; ignore sludge from point-sources)

NUMBER OF BEST TYPES: ☑ 4 or more [2] ☐ 3 or less [0]

Check ONE (Or 2 & average)

ORIGIN: ☐ LIMESTONE [1] ☑ TILLS [1] ☐ WETLANDS [0] ☐ HARDPAN [0] ☐ SANDSTONE [0] ☐ RIP/RAP [0] ☐ LACUSTURINE [0] ☐ SHALE [-1] ☐ COAL FINES [-2]

QUALITY: SILT ☐ HEAVY [-2] ☐ MODERATE [-1] ☑ NORMAL [0] ☐ FREE [1]; EMBEDDEDNESS ☐ EXTENSIVE [-2] ☑ MODERATE [-1] ☐ NORMAL [0] ☐ NONE [1]

Comments: 7+6+2+1 -0.5

Substrate: 15.5 (Maximum 20)

2] INSTREAM COVER

Indicate presence 0 to 3: 0-Absent; 1-Very small amounts or if more common of marginal quality; 2-Moderate amounts, but not of highest quality or in small amounts of highest quality; 3-Highest quality in moderate or greater amounts (e.g., very large boulders in deep or fast water, large diameter log that is stable, well developed rootwad in deep / fast water, or deep, well-defined, functional pools.

1 UNDERCUT BANKS [1]	2 POOLS > 70cm [2]	___ OXBOWS, BACKWATERS [1]	
___ OVERHANGING VEGETATION [1]	1 ROOTWADS [1]	___ AQUATIC MACROPHYTES [1]	
___ SHALLOWS (IN SLOW WATER) [1]	2 BOULDERS [1]	1 LOGS OR WOODY DEBRIS [1]	
___ ROOTMATS [1]			

AMOUNT Check ONE (Or 2 & average): ☐ EXTENSIVE >75% [11] ☑ MODERATE 25-75% [7] ☑ SPARSE 5-<25% [3] ☐ NEARLY ABSENT <5% [1]

Comments: 1+2+1+1+1+5

Cover: 11 (Maximum 20)

3] CHANNEL MORPHOLOGY

Check ONE in each category (Or 2 & average)

SINUOSITY	DEVELOPMENT	CHANNELIZATION	STABILITY
☐ HIGH [4]	☐ EXCELLENT [7]	☑ NONE [6]	☐ HIGH [3]
☑ MODERATE [3]	☑ GOOD [5]	☐ RECOVERED [4]	☑ MODERATE [2]
☐ LOW [2]	☑ FAIR [3]	☐ RECOVERING [3]	☑ LOW [1]
☐ NONE [1]	☐ POOR [1]	☐ RECENT OR NO RECOVERY [1]	

Comments: 3+4+6+1.5

Channel: 14.5 (Maximum 20)

4] BANK EROSION AND RIPARIAN ZONE

Check ONE in each category for EACH BANK (Or 2 per bank & average)

River right looking downstream

EROSION (L R)	RIPARIAN WIDTH (L R)	FLOOD PLAIN QUALITY (L R)	(L R)
☑☐ NONE / LITTLE [3]	☐☐ WIDE > 50m [4]	☐☐ FOREST, SWAMP [3]	☐☐ CONSERVATION TILLAGE [1]
☑☐ MODERATE [2]	☐☐ MODERATE 10-50m [3]	☐☐ SHRUB OR OLD FIELD [2]	☑☑ URBAN OR INDUSTRIAL [0]
☐☑ HEAVY / SEVERE [1]	☐☐ NARROW 5-10m [2]	☐☐ RESIDENTIAL, PARK, NEW FIELD [1]	☐☐ MINING / CONSTRUCTION [0]
	☑☑ VERY NARROW < 5m [1]	☐☐ FENCED PASTURE [1]	
	☐☐ NONE [0]	☐☐ OPEN PASTURE, ROWCROP [0]	

Indicate predominant land use(s) past 100m riparian.

Comments: 1.5+1+0

Riparian: 2.5 (Maximum 10)

5] POOL / GLIDE AND RIFFLE / RUN QUALITY

MAXIMUM DEPTH Check ONE (ONLY!): ☑ > 1m [6] ☐ 0.7-<1m [4] ☐ 0.4-<0.7m [2] ☐ 0.2-<0.4m [1] ☐ < 0.2m [0]

CHANNEL WIDTH Check ONE (Or 2 & average): ☑ POOL WIDTH > RIFFLE WIDTH [2] ☐ POOL WIDTH = RIFFLE WIDTH [1] ☐ POOL WIDTH < RIFFLE WIDTH [0]

CURRENT VELOCITY Check ALL that apply: ☐ TORRENTIAL [-1] ☑ SLOW [1] ☐ VERY FAST [1] ☐ INTERSTITIAL [-1] ☑ FAST [1] ☐ INTERMITTENT [-2] ☑ MODERATE [1] ☐ EDDIES [1]

Indicate for reach - pools and riffles.

Recreation Potential: Primary Contact / Secondary Contact (circle one and comment on back)

Comments: 6+2+3

Pool / Current: 11 (Maximum 12)

Indicate for functional riffles; Best areas must be large enough to support a population of riffle-obligate species; Check ONE (Or 2 & average). ☐ NO RIFFLE [metric=0]

RIFFLE DEPTH	RUN DEPTH	RIFFLE / RUN SUBSTRATE	RIFFLE / RUN EMBEDDEDNESS
☑ BEST AREAS > 10cm [2]	☑ MAXIMUM > 50cm [2]	☐ STABLE (e.g., Cobble, Boulder) [2]	☐ NONE [2]
☐ BEST AREAS 5-10cm [1]	☐ MAXIMUM < 50cm [1]	☑ MOD. STABLE (e.g., Large Gravel) [1]	☑ LOW [1]
☐ BEST AREAS < 5cm [metric=0]		☐ UNSTABLE (e.g., Fine Gravel, Sand) [0]	☑ MODERATE [0]
			☐ EXTENSIVE [-1]

Comments: 2+2+0.5+0.5

Riffle / Run: 5 (Maximum 8)

6] GRADIENT

(17.6 ft/mi) ☐ VERY LOW - LOW [2-4] ☑ MODERATE [6-10] ☐ HIGH - VERY HIGH [10-6]

DRAINAGE AREA (37.1 mi²)

%POOL: ___ %GLIDE: ___ %RUN: ___ %RIFFLE: ___

Gradient: 10 (Maximum 10)

A] SAMPLED REACH

Check ALL that apply

Comment RE: Reach consistency/ Is reach typical of steam?, *Recreation/* Observed - Inferred, *Other/* Sampling observations, Concerns, Access directions, etc.

METHOD

- ☐ BOAT
- ☐ WADE
- ☐ L. LINE
- ☐ OTHER

STAGE

1st -sample pass- 2nd

- ☐ HIGH ☐
- ☐ UP ☐
- ☐ NORMAL ☐
- ☐ LOW ☐
- ☐ DRY ☐

DISTANCE

- ☐ 0.5 Km
- ☐ 0.2 Km
- ☐ 0.15 Km
- ☐ 0.12 Km
- ☐ OTHER

_____ meters

CLARITY

1st --sample pass-- 2nd

- ☐ < 20 cm ☐
- ☐ 20-<40 cm ☐
- ☐ 40-70 cm ☐
- ☐ > 70 cm/ CTB ☐
- ☐ SECCHI DEPTH ☐

1st_____ cm
2nd_____ cm

CANOPY

- ☐ > 85%- OPEN
- ☐ 55%-<85%
- ☐ 30%-<55%
- ☐ 10%-<30%
- ☐ <10%- CLOSED

B] AESTHETICS

- ☐ NUISANCE ALGAE
- ☐ INVASIVE MACROPHYTES
- ☐ EXCESS TURBIDITY
- ☐ DISCOLORATION
- ☐ FOAM / SCUM
- ☐ OIL SHEEN
- ☐ TRASH / LITTER
- ☐ NUISANCE ODOR
- ☐ SLUDGE DEPOSITS
- ☐ CSOs/SSOs/OUTFALLS

C] RECREATION

AREA DEPTH

POOL: ☐ >100ft² ☐ >3ft

D] MAINTENANCE

Circle some & *COMMENT*

PUBLIC / PRIVATE / BOTH / NA
ACTIVE / HISTORIC / BOTH / NA
YOUNG-SUCCESSION-OLD
SPRAY / SNAG / REMOVED
MODIFIED / DIPPED OUT / NA
LEVEED / ONE SIDED
RELOCATED / CUTOFFS
MOVING-BEDLOAD-STABLE
ARMOURED / SLUMPS
ISLANDS / SCOURED
IMPOUNDED / DESICCATED
FLOOD CONTROL / DRAINAGE

E] ISSUES

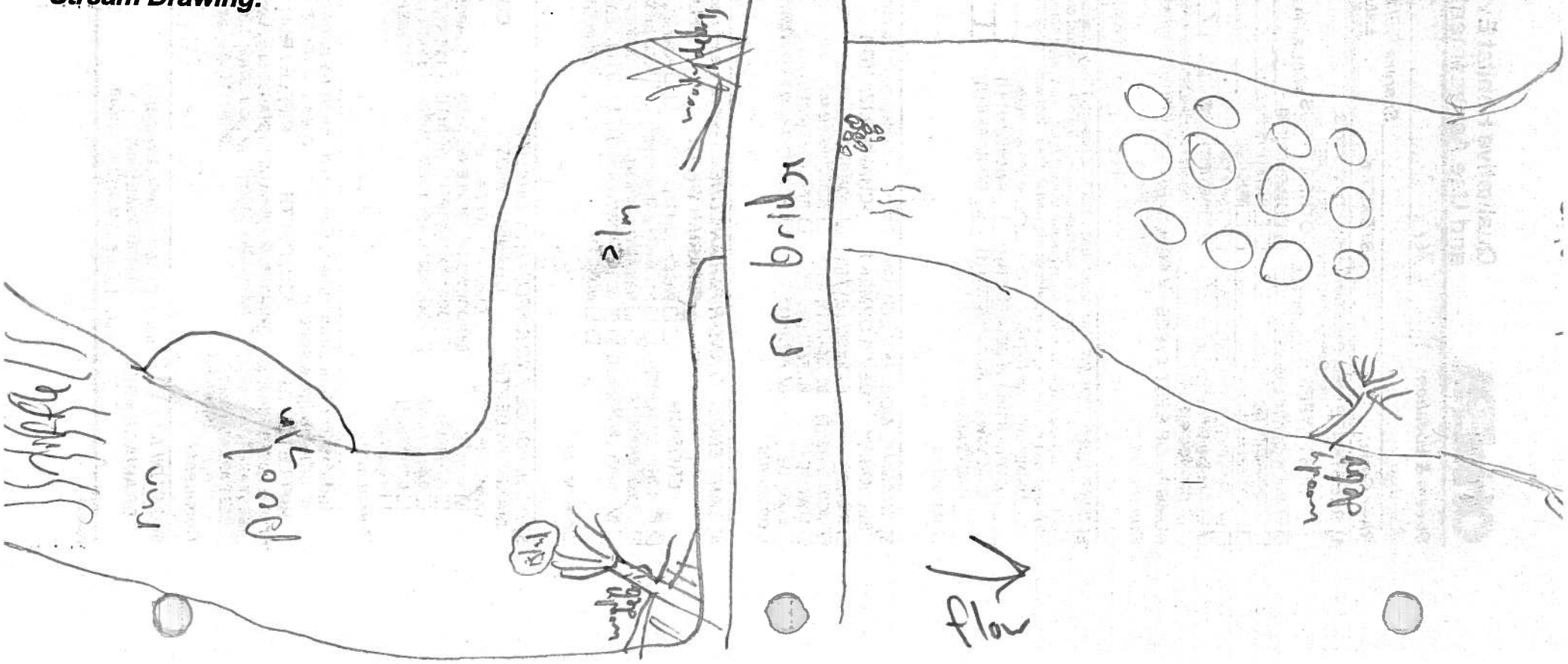
WWTP / CSO / NPDES / INDUSTRY
HARDENED / URBAN / DIRT&GRIME
CONTAMINATED / LANDFILL
BMPs-CONSTRUCTION-SEDIMENT
LOGGING / IRRIGATION / COOLING
BANK / EROSION / SURFACE
FALSE BANK / MANURE / LAGOON
WASH H_2O / TILE / H_2O TABLE
ACID / MINE / QUARRY / FLOW
NATURAL / WETLAND / STAGNANT
PARK / GOLF / LAWN / HOME
ATMOSPHERE / DATA PAUCITY

F] MEASUREMENTS

- $\bar{x}$ width
- $\bar{x}$ depth
- max. depth
- $\bar{x}$ bankfull width
- bankfull $\bar{x}$ depth
- W/D ratio
- bankfull max. depth
- floodprone x^2 width
- entrench. ratio

Legacy Tree:

Stream Drawing:



OhioEPA Qualitative Habitat Evaluation Index and Use Assessment Field Sheet

QHEI Score: 66.25

Stream & Location: Cuyahoga River US of Mill Creek **RM:** 11.95 **Date:** 08/05/16

Scorers Full Name & Affiliation: Francisco Rivera, (Mario Meany) Northeast Ohio Regional Sewer District

River Code: ___-___-___ **STORET #:** _____ **Lat./Long.:** 41.41231 81.6364 (NAD 83 - decimal °) Office verified location ☐

1] SUBSTRATE

Check ONLY Two substrate TYPE BOXES; estimate % or note every type present

BEST TYPES	POOL	RIFFLE	OTHER TYPES	POOL	RIFFLE
☐☐ BLDR /SLABS [10]	✓		☐☐ HARDPAN [4]		
☐☐ BOULDER [9]	✓		☐☐ DETRITUS [3]		
☐☐ COBBLE [8]	✓	✓	☐☐ MUCK [2]		
☐■ GRAVEL [7]	✓	✓	☐☐ SILT [2]	✓	✓
■☐ SAND [6]	✓	✓	☐☐ ARTIFICIAL [0]	✓	✓
☐☐ BEDROCK [5]			(Score natural substrates; ignore sludge from point-sources)		

NUMBER OF BEST TYPES: ■ 4 or more [2] ☐ 3 or less [0]

Check ONE (Or 2 & average)

ORIGIN: ☐ LIMESTONE [1] ■ TILLS [1] ☐ WETLANDS [0] ☐ HARDPAN [0] ☐ SANDSTONE [0] ☐ RIP/RAP [0] ☐ LACUSTURINE [0] ☐ SHALE [-1] ☐ COAL FINES [-2]

QUALITY: SILT: ☐ HEAVY [-2] ☐ MODERATE [-1] ■ NORMAL [0] ☐ FREE [1]; EMBEDDEDNESS: ☐ EXTENSIVE [-2] ■ MODERATE [-1] ■ NORMAL [0] ☐ NONE [1]

Comments

Substrate: 15.5 (Maximum 20)

2] INSTREAM COVER

Indicate presence 0 to 3: 0-Absent; 1-Very small amounts or if more common of marginal quality; 2-Moderate amounts, but not of highest quality or in small amounts of highest quality; 3-Highest quality in moderate or greater amounts (e.g., very large boulders in deep or fast water, large diameter log that is stable, well developed rootwad in deep / fast water, or deep, well-defined, functional pools.

1	UNDERCUT BANKS [1]	2	POOLS > 70cm [2]	0	OXBOWS, BACKWATERS [1]
1	OVERHANGING VEGETATION [1]	1	ROOTWADS [1]	0	AQUATIC MACROPHYTES [1]
1	SHALLOWS (IN SLOW WATER) [1]	1	BOULDERS [1]	1	LOGS OR WOODY DEBRIS [1]
0	ROOTMATS [1]				

AMOUNT Check ONE (Or 2 & average): ☐ EXTENSIVE >75% [11] ☐ MODERATE 25-75% [7] ■ SPARSE 5-<25% [3] ☐ NEARLY ABSENT <5% [1]

Comments

Cover: 11 (Maximum 20)

3] CHANNEL MORPHOLOGY

Check ONE in each category (Or 2 & average)

SINUOSITY	DEVELOPMENT	CHANNELIZATION	STABILITY
☐ HIGH [4]	☐ EXCELLENT [7]	■ NONE [6]	☐ HIGH [3]
☐ MODERATE [3]	☐ GOOD [5]	☐ RECOVERED [4]	■ MODERATE [2]
■ LOW [2]	■ FAIR [3]	☐ RECOVERING [3]	☐ LOW [1]
☐ NONE [1]	☐ POOR [1]	☐ RECENT OR NO RECOVERY [1]	

Comments

Channel: 13 (Maximum 20)

4] BANK EROSION AND RIPARIAN ZONE

Check ONE in each category for EACH BANK (Or 2 per bank & average)

River right looking downstream

EROSION (L R)	RIPARIAN WIDTH (L R)	FLOOD PLAIN QUALITY (L R)	(L R)
■■ NONE / LITTLE [3]	☐☐ WIDE > 50m [4]	☐☐ FOREST, SWAMP [3]	☐☐ CONSERVATION TILLAGE [1]
■☐ MODERATE [2]	☐☐ MODERATE 10-50m [3]	☐☐ SHRUB OR OLD FIELD [2]	■■ URBAN OR INDUSTRIAL [0]
☐☐ HEAVY / SEVERE [1]	■■ NARROW 5-10m [2]	☐☐ RESIDENTIAL, PARK, NEW FIELD [1]	☐☐ MINING / CONSTRUCTION [0]
	☐☐ VERY NARROW < 5m [1]	☐☐ FENCED PASTURE [1]	
	☐☐ NONE [0]	☐☐ OPEN PASTURE, ROWCROP [0]	

Indicate predominant land use(s) past 100m riparian.

Comments

Riparian: 4.75 (Maximum 10)

5] POOL / GLIDE AND RIFFLE / RUN QUALITY

MAXIMUM DEPTH Check ONE (ONLY!): ■ > 1m [6] ☐ 0.7-<1m [4] ☐ 0.4-<0.7m [2] ☐ 0.2-<0.4m [1] ☐ < 0.2m [0]

CHANNEL WIDTH Check ONE (Or 2 & average): ■ POOL WIDTH > RIFFLE WIDTH [2] ☐ POOL WIDTH = RIFFLE WIDTH [1] ☐ POOL WIDTH < RIFFLE WIDTH [0]

CURRENT VELOCITY Check ALL that apply: ☐ TORRENTIAL [-1] ■ SLOW [1] ☐ VERY FAST [1] ☐ INTERSTITIAL [-1] ■ FAST [1] ☐ INTERMITTENT [-2] ■ MODERATE [1] ■ EDDIES [1]

Indicate for reach - pools and riffles.

Recreation Potential: Primary Contact / Secondary Contact (circle one and comment on back)

Comments

Pool / Current: 12 (Maximum 12)

Indicate for functional riffles; Best areas must be large enough to support a population of riffle-obligate species: Check ONE (Or 2 & average). ■ NO RIFFLE [metric=0]

RIFFLE DEPTH	RUN DEPTH	RIFFLE / RUN SUBSTRATE	RIFFLE / RUN EMBEDDEDNESS
☐ BEST AREAS > 10cm [2]	■ MAXIMUM > 50cm [2]	■ STABLE (e.g., Cobble, Boulder) [2]	☐ NONE [2]
☐ BEST AREAS 5-10cm [1]	☐ MAXIMUM < 50cm [1]	■ MOD. STABLE (e.g., Large Gravel) [1]	☐ LOW [1]
☐ BEST AREAS < 5cm [metric=0]		☐ UNSTABLE (e.g., Fine Gravel, Sand) [0]	■ MODERATE [0]
			☐ EXTENSIVE [-1]

Comments Normal riffle area not functional this year

Riffle / Run: 0 (Maximum 8)

6] GRADIENT

(6.93 ft/mi) ☐ VERY LOW - LOW [2-4] ☐ MODERATE [6-10] ■ HIGH - VERY HIGH [10-6]

DRAINAGE AREA (709.00 mi²)

%POOL: ( ) %GLIDE: ( ) %RUN: ( ) %RIFFLE: ( )

Gradient: 10 (Maximum 10)

A] SAMPLED REACH
Check ALL that apply

METHOD
- ☐ BOAT
- ☐ WADE
- ☐ L. LINE
- ☐ OTHER

STAGE

1st-sample pass-	2nd
☐ HIGH	☐
☐ UP	☐
☐ NORMAL	☐
☐ LOW	☐
☐ DRY	☐

DISTANCE
- ☐ 0.5 Km
- ☐ 0.2 Km
- ☐ 0.15 Km
- ☐ 0.12 Km
- ☐ OTHER

_____ meters

CLARITY

1st --sample pass--	2nd
☐ < 20 cm	☐
☐ 20-<40 cm	☐
☐ 40-70 cm	☐
☐ > 70 cm/ CTB	☐
☐ SECCHI DEPTH	☐

CANOPY
- ☐ > 85%- OPEN
- ☐ 55%-<85%
- ☐ 30%-<55%
- ☐ 10%-<30%
- ☐ <10%- CLOSED

1st pass _____ cm
2nd _____ cm

Comment RE: Reach consistency/ Is reach typical of steam?, *Recreation/* Observed - Inferred, *Other/* Sampling observations, Concerns, Access directions, etc.

B] AESTHETICS
- ☐ NUISANCE ALGAE
- ☐ INVASIVE MACROPHYTES
- ☐ EXCESS TURBIDITY
- ☐ DISCOLORATION
- ☐ FOAM / SCUM
- ☐ OIL SHEEN
- ☐ TRASH / LITTER
- ☐ NUISANCE ODOR
- ☐ SLUDGE DEPOSITS
- ☐ CSOs/SSOs/OUTFALLS

C] RECREATION AREA DEPTH
POOL: ☐>100ft² ☐>3ft

D] MAINTENANCE
PUBLIC / PRIVATE / BOTH / NA
ACTIVE / HISTORIC / BOTH / NA
YOUNG-SUCCESSION-OLD
SPRAY / SNAG / REMOVED
MODIFIED / DIPPED OUT / NA
LEVEED / ONE SIDED
RELOCATED / CUTOFFS
MOVING-BEDLOAD-STABLE
ARMOURED / SLUMPS
ISLANDS / SCOURED
IMPOUNDED / DESICCATED
FLOOD CONTROL / DRAINAGE

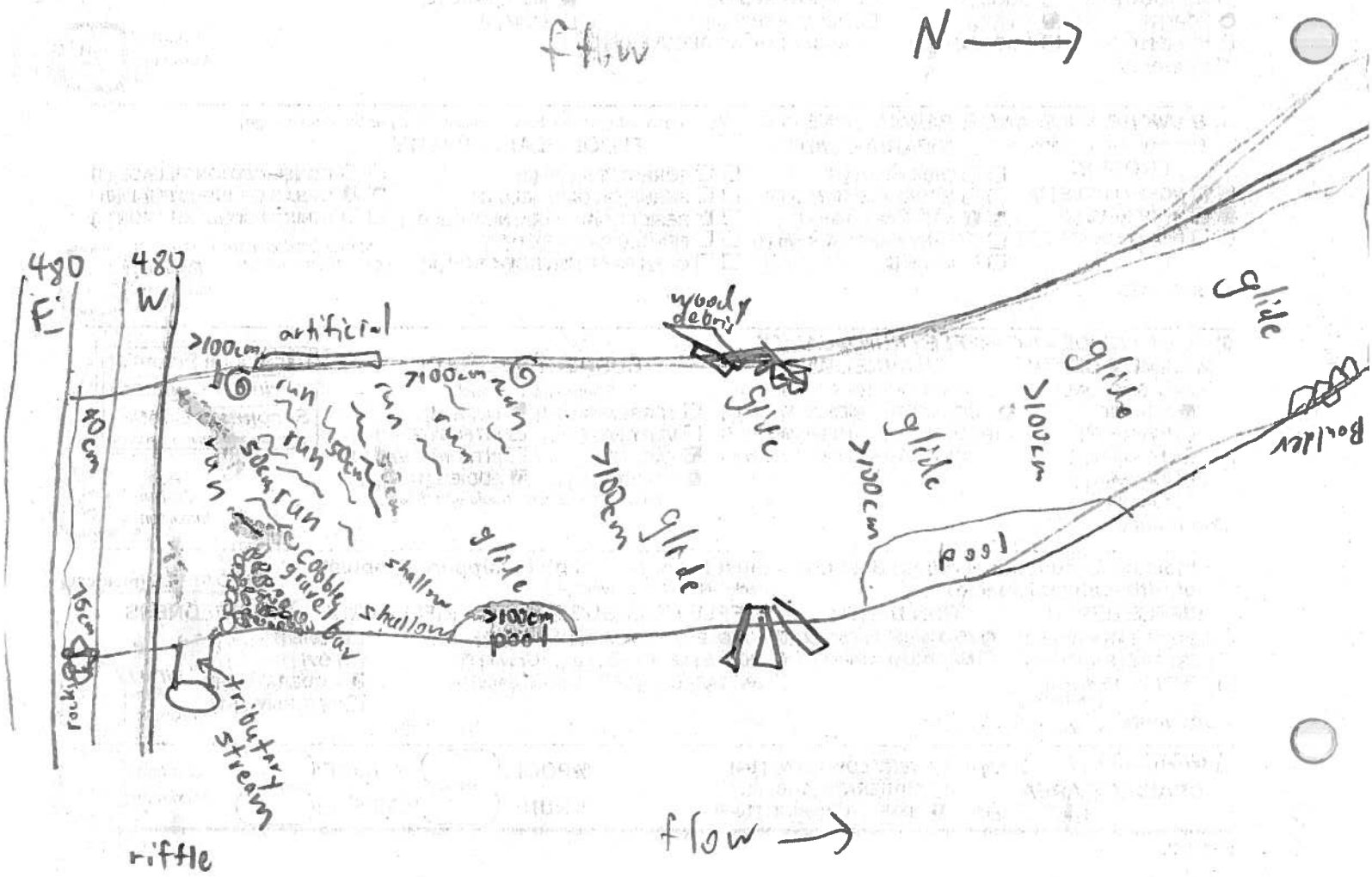
Circle some & *COMMENT*

E] ISSUES
WWTP / CSO / NPDES / INDUSTRY
HARDENED / URBAN / DIRT&GRIME
CONTAMINATED / LANDFILL
BMPs-CONSTRUCTION-SEDIMENT
LOGGING / IRRIGATION / COOLING
BANK / EROSION / SURFACE
FALSE BANK / MANURE / LAGOON
WASH H_20 / TILE / H_20 TABLE
ACID / MINE / QUARRY / FLOW
NATURAL / WETLAND / STAGNANT
PARK / GOLF / LAWN / HOME
ATMOSPHERE / DATA PAUCITY

F] MEASUREMENTS
- $\bar{x}$ width
- $\bar{x}$ depth
- max. depth
- $\bar{x}$ bankfull width
- bankfull $\bar{x}$ depth
- W/D ratio
- bankfull max. depth
- floodprone x^2 width
- entrench. ratio

Legacy Tree:

Stream Drawing:



Qualitative Habitat Evaluation Index and Use Assessment Field Sheet

QHEI Score: 64.5

Stream & Location: Cuyahoga River (Lower Harvard Ave bridge) **RM:** 07.00 **Date:** 09/06/16

Scorers Full Name & Affiliation: D. Friedman, Northeast Ohio Regional Sewer District

River Code: ___-___-___ **STORET #:** _____ **Lat./Long.:** (NAD 83 - decimal °) 41.4497 / 81.6815 **Office verified location** ☐

1] SUBSTRATE

Check ONLY Two substrate TYPE BOXES; estimate % or note every type present

BEST TYPES	POOL	RIFFLE	OTHER TYPES	POOL	RIFFLE
☐☐ BLDR /SLABS [10]			☐☐ HARDPAN [4]		
☐☐ BOULDER [9]	X		☐☐ DETRITUS [3]		
☐■ COBBLE [8]	X		☐☐ MUCK [2]	X	
☐☐ GRAVEL [7]	X		☐☐ SILT [2]	X	
■☐ SAND [6]	X	X	☐☐ ARTIFICIAL [0]	X	X
☐☐ BEDROCK [5]			(Score natural substrates; ignore sludge from point-sources)		

NUMBER OF BEST TYPES: ■ 4 or more [2] ☐ 3 or less [0]

Check ONE (Or 2 & average)

ORIGIN: ☐ LIMESTONE [1] ■ TILLS [1] ☐ WETLANDS [0] ☐ HARDPAN [0] ☐ SANDSTONE [0] ☐ RIP/RAP [0] ☐ LACUSTURINE [0] ☐ SHALE [-1] ☐ COAL FINES [-2]

QUALITY: SILT: ☐ HEAVY [-2] ☐ MODERATE [-1] ■ NORMAL [0] ☐ FREE [1]; EMBEDDEDNESS: ☐ EXTENSIVE [-2] ☐ MODERATE [-1] ■ NORMAL [0] ☐ NONE [1]

Comments 8+7+2+1+0+0

Substrate 18 (Maximum 20)

2] INSTREAM COVER

Indicate presence 0 to 3: 0-Absent; 1-Very small amounts or if more common of marginal quality; 2-Moderate amounts, but not of highest quality or in small amounts of highest quality; 3-Highest quality in moderate or greater amounts (e.g., very large boulders in deep or fast water, large diameter log that is stable, well developed rootwad in deep / fast water, or deep, well-defined, functional pools.

__ UNDERCUT BANKS [1]	3 POOLS > 70cm [2]	1 OXBOWS, BACKWATERS [1]	
1 OVERHANGING VEGETATION [1]	2 ROOTWADS [1]	__ AQUATIC MACROPHYTES [1]	
2 SHALLOWS (IN SLOW WATER) [1]	__ BOULDERS [1]	2 LOGS OR WOODY DEBRIS [1]	
__ ROOTMATS [1]			

AMOUNT Check ONE (Or 2 & average): ☐ EXTENSIVE >75% [11] ☐ MODERATE 25-75% [7] ■ SPARSE 5-<25% [3] ☐ NEARLY ABSENT <5% [1]

Comments 1+1+2+1+1+1+3

Cover 10 (Maximum 20)

3] CHANNEL MORPHOLOGY

Check ONE in each category (Or 2 & average)

SINUOSITY	DEVELOPMENT	CHANNELIZATION	STABILITY
☐ HIGH [4]	☐ EXCELLENT [7]	■ NONE [6]	☐ HIGH [3]
☐ MODERATE [3]	☐ GOOD [5]	☐ RECOVERED [4]	■ MODERATE [2]
■ LOW [2]	■ FAIR [3]	☐ RECOVERING [3]	☐ LOW [1]
☐ NONE [1]	■ POOR [1]	☐ RECENT OR NO RECOVERY [1]	

Comments 2+2+6+2

Channel 12 (Maximum 20)

4] BANK EROSION AND RIPARIAN ZONE

Check ONE in each category for EACH BANK (Or 2 per bank & average)

River right looking downstream

EROSION (L R)	RIPARIAN WIDTH (L R)	FLOOD PLAIN QUALITY (L R)	(L R)
■☐ NONE / LITTLE [3]	☐☐ WIDE > 50m [4]	☐■ FOREST, SWAMP [3]	☐☐ CONSERVATION TILLAGE [1]
☐■ MODERATE [2]	☐■ MODERATE 10-50m [3]	☐☐ SHRUB OR OLD FIELD [2]	■☐ URBAN OR INDUSTRIAL [0]
☐☐ HEAVY / SEVERE [1]	■☐ NARROW 5-10m [2]	☐☐ RESIDENTIAL, PARK, NEW FIELD [1]	☐☐ MINING / CONSTRUCTION [0]
	☐☐ VERY NARROW < 5m [1]	☐☐ FENCED PASTURE [1]	
	☐☐ NONE [0]	☐☐ OPEN PASTURE, ROWCROP [0]	

Indicate predominant land use(s) past 100m riparian.

Comments 2.5+2.5+1.5

Riparian 6.5 (Maximum 10)

5] POOL / GLIDE AND RIFFLE / RUN QUALITY

MAXIMUM DEPTH Check ONE (ONLY!): ■ > 1m [6] ☐ 0.7-<1m [4] ☐ 0.4-<0.7m [2] ☐ 0.2-<0.4m [1] ☐ < 0.2m [0]

CHANNEL WIDTH Check ONE (Or 2 & average): ☐ POOL WIDTH > RIFFLE WIDTH [2] ■ POOL WIDTH = RIFFLE WIDTH [1] ☐ POOL WIDTH < RIFFLE WIDTH [0]

CURRENT VELOCITY Check ALL that apply: ☐ TORRENTIAL [-1] ☐ VERY FAST [1] ☐ FAST [1] ☐ MODERATE [1] ■ SLOW [1] ☐ INTERSTITIAL [-1] ☐ INTERMITTENT [-2] ☐ EDDIES [1]

Indicate for reach - pools and riffles.

Recreation Potential: Primary Contact / Secondary Contact (circle one and comment on back)

Comments 6+2+1

Pool / Current 8 (Maximum 12)

Indicate for functional riffles; Best areas must be large enough to support a population of riffle-obligate species: Check ONE (Or 2 & average). ■ NO RIFFLE [metric=0]

RIFFLE DEPTH	RUN DEPTH	RIFFLE / RUN SUBSTRATE	RIFFLE / RUN EMBEDDEDNESS
☐ BEST AREAS > 10cm [2]	☐ MAXIMUM > 50cm [2]	☐ STABLE (e.g., Cobble, Boulder) [2]	☐ NONE [2]
☐ BEST AREAS 5-10cm [1]	☐ MAXIMUM < 50cm [1]	☐ MOD. STABLE (e.g., Large Gravel) [1]	☐ LOW [1]
☐ BEST AREAS < 5cm [metric=0]		☐ UNSTABLE (e.g., Fine Gravel, Sand) [0]	☐ MODERATE [0]
			☐ EXTENSIVE [-1]

Comments

Riffle / Run 0 (Maximum 8)

6] GRADIENT (2.03 ft/mi)

DRAINAGE AREA (786.00 mi²)

☐ VERY LOW - LOW [2-4] ■ MODERATE [6-10] ☐ HIGH - VERY HIGH [10-6]

%POOL: __ %GLIDE: __ %RUN: __ %RIFFLE: __

Gradient 10 (Maximum 10)

A] SAMPLED REACH

Check ALL that apply

Comment RE: Reach consistency/ Is reach typical of steam?, *Recreation/* Observed - Inferred, *Other/* Sampling observations, Concerns, Access directions, etc.

METHOD

- ☐ BOAT
- ☐ WADE
- ☐ L. LINE
- ☐ OTHER

STAGE

1st -sample pass- 2nd

- ☐ HIGH ☐
- ☐ UP ☐
- ☐ NORMAL ☐
- ☐ LOW ☐
- ☐ DRY ☐

DISTANCE

- ☐ 0.5 Km
- ☐ 0.2 Km
- ☐ 0.15 Km
- ☐ 0.12 Km
- ☐ OTHER

_____ meters

CLARITY

1st --sample pass-- 2nd

- ☐ < 20 cm ☐
- ☐ 20-<40 cm ☐
- ☐ 40-70 cm ☐
- ☐ > 70 cm/ CTB ☐
- ☐ SECCHI DEPTH ☐

CANOPY

- ☐ > 85%- OPEN
- ☐ 55%-<85%
- ☐ 30%-<55%
- ☐ 10%-<30%
- ☐ <10%- CLOSED

1st pass _____ cm

2nd _____ cm

B] AESTHETICS

- ☐ NUISANCE ALGAE
- ☐ INVASIVE MACROPHYTES
- ☐ EXCESS TURBIDITY
- ☐ DISCOLORATION
- ☐ FOAM / SCUM
- ☐ OIL SHEEN
- ☐ TRASH / LITTER
- ☐ NUISANCE ODOR
- ☐ SLUDGE DEPOSITS
- ☐ CSOs/SSOs/OUTFALLS

C] RECREATION

AREA DEPTH

POOL: ☐ >100ft² ☐ >3ft

D] MAINTENANCE

Circle some & *COMMENT*

PUBLIC / PRIVATE / BOTH / NA
ACTIVE / HISTORIC / BOTH / NA
YOUNG-SUCCESSION-OLD
SPRAY / SNAG / REMOVED
MODIFIED / DIPPED OUT / NA
LEVEED / ONE SIDED
RELOCATED / CUTOFFS
MOVING-BEDLOAD-STABLE
ARMOURED / SLUMPS
ISLANDS / SCOURED
IMPOUNDED / DESICCATED
FLOOD CONTROL / DRAINAGE

E] ISSUES

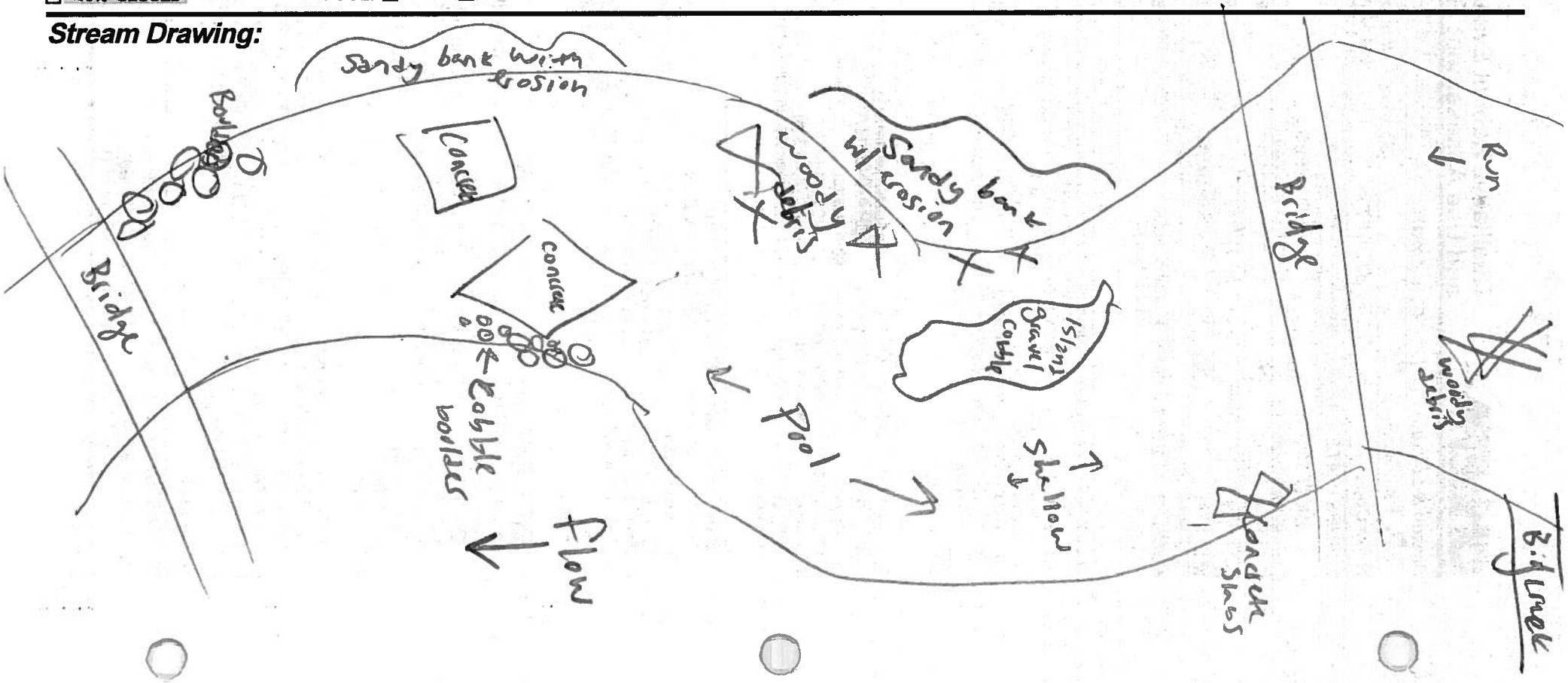
WWTP / CSO / NPDES / INDUSTRY
HARDENED / URBAN / DIRT&GRIME
CONTAMINATED / LANDFILL
BMPs-CONSTRUCTION-SEDIMENT
LOGGING / IRRIGATION / COOLING
BANK / EROSION / SURFACE
FALSE BANK / MANURE / LAGOON
WASH H_2O / TILE / H_2O TABLE
ACID / MINE / QUARRY / FLOW
NATURAL / WETLAND / STAGNANT
PARK / GOLF / LAWN / HOME
ATMOSPHERE / DATA PAUCITY

F] MEASUREMENTS

- $\bar{x}$ width
- $\bar{x}$ depth
- max. depth
- $\bar{x}$ bankfull width
- bankfull $\bar{x}$ depth
- W/D ratio
- bankfull max. depth
- floodprone x^2 width
- entrench. ratio

Legacy Tree:

Stream Drawing:



Qualitative Habitat Evaluation Index and Use Assessment Field Sheet

OhioEPA

QHEI Score: 69.5

Stream & Location: Doan Brook (Lee Road) **RM:** 06.70 **Date:** 6/24/16

Scorers Full Name & Affiliation: Matheson, Northeast Ohio Regional Sewer District

River Code: ___-___-___ **STORET #:** _____ **Lat./Long.:** (NAD 83 - decimal °) 41.4838 / 81.5643 **Office verified location** ☐

1] SUBSTRATE

Check *ONLY* Two substrate *TYPE BOXES*; estimate % or note every type present

BEST TYPES	POOL	RIFFLE	OTHER TYPES	POOL	RIFFLE
☐ ☐ BLDR /SLABS [10]		✓	☐ ☐ HARDPAN [4]		
☐ ☐ BOULDER [9]	✓	✓	☐ ☐ DETRITUS [3]		
☐ ☐ COBBLE [8]	✓	✓	☐ ☐ MUCK [2]		
☐ ☐ GRAVEL [7]	✓	✓	☐ ☐ SILT [2]	✓	✓
☐ ☐ SAND [6]	✓	✓	☐ ☐ ARTIFICIAL [0]		
☐ ☐ BEDROCK [5]					

(Score natural substrates; ignore sludge from point-sources)

NUMBER OF BEST TYPES: ☐ 4 or more [2] ☐ 3 or less [0]

Check ONE (*Or 2 & average*)

ORIGIN	QUALITY
☐ LIMESTONE [1]	☐ HEAVY [-2]
☐ TILLS [1]	☐ MODERATE [-1]
☐ WETLANDS [0]	☐ NORMAL [0]
☐ HARDPAN [0]	☐ FREE [1]
☐ SANDSTONE [0]	☐ EXTENSIVE [-2]
☐ RIP/RAP [0]	☐ MODERATE [-1]
☐ LACUSTURINE [0]	☐ NORMAL [0]
☐ SHALE [-1]	☐ NONE [1]
☐ COAL FINES [-2]	

SILT

EMBEDDEDNESS

Comments 7+7+2+1+(-1)+(-1.5)

Substrate 14.5 Maximum 20

2] INSTREAM COVER

Indicate presence 0 to 3: 0-Absent; 1-Very small amounts or if more common of marginal quality; 2-Moderate amounts, but not of highest quality or in small amounts of highest quality; 3-Highest quality in moderate or greater amounts (e.g., very large boulders in deep or fast water, large diameter log that is stable, well developed rootwad in deep / fast water, or deep, well-defined, functional pools.

1 UNDERCUT BANKS [1]	0 POOLS > 70cm [2]	2 OXBOWS, BACKWATERS [1]
1 OVERHANGING VEGETATION [1]	1 ROOTWADS [1]	0 AQUATIC MACROPHYTES [1]
1 SHALLOWS (IN SLOW WATER) [1]	2 BOULDERS [1]	2 LOGS OR WOODY DEBRIS [1]
0 ROOTMATS [1]		

AMOUNT

Check ONE (*Or 2 & average*)

☐ EXTENSIVE >75% [11]
☐ MODERATE 25-75% [7]
☐ SPARSE 5-<25% [3]
☐ NEARLY ABSENT <5% [1]

Comments 7+7

Cover 14 Maximum 20

3] CHANNEL MORPHOLOGY

Check ONE in each category (*Or 2 & average*)

SINUOSITY	DEVELOPMENT	CHANNELIZATION	STABILITY
☐ HIGH [4]	☐ EXCELLENT [7]	☐ NONE [6]	☐ HIGH [3]
☐ MODERATE [3]	☐ GOOD [5]	☐ RECOVERED [4]	☐ MODERATE [2]
☐ LOW [2]	☐ FAIR [3]	☐ RECOVERING [3]	☐ LOW [1]
☐ NONE [1]	☐ POOR [1]	☐ RECENT OR NO RECOVERY [1]	

Comments 4+4+6+2

Channel 16 Maximum 20

4] BANK EROSION AND RIPARIAN ZONE

Check ONE in each category for *EACH BANK* (*Or 2 per bank & average*)

River right looking downstream

EROSION (L R)	RIPARIAN WIDTH (L R)	FLOOD PLAIN QUALITY (L R)	(L R)
☐ ☐ NONE / LITTLE [3]	☐ ☐ WIDE > 50m [4]	☐ ☐ FOREST, SWAMP [3]	☐ ☐ CONSERVATION TILLAGE [1]
☐ ☐ MODERATE [2]	☐ ☐ MODERATE 10-50m [3]	☐ ☐ SHRUB OR OLD FIELD [2]	☐ ☐ URBAN OR INDUSTRIAL [0]
☐ ☐ HEAVY / SEVERE [1]	☐ ☐ NARROW 5-10m [2]	☐ ☐ RESIDENTIAL, PARK, NEW FIELD [1]	☐ ☐ MINING / CONSTRUCTION [0]
	☐ ☐ VERY NARROW < 5m [1]	☐ ☐ FENCED PASTURE [1]	
	☐ ☐ NONE [0]	☐ ☐ OPEN PASTURE, ROWCROP [0]	

Indicate predominant land use(s) past 100m riparian.

Comments 2+3+2

Riparian 7 Maximum 10

5] POOL / GLIDE AND RIFFLE / RUN QUALITY

MAXIMUM DEPTH	CHANNEL WIDTH	CURRENT VELOCITY
Check ONE (*ONLY!*)	Check ONE (*Or 2 & average*)	Check ALL that apply
☐ > 1m [6]	☐ POOL WIDTH > RIFFLE WIDTH [2]	☐ TORRENTIAL [-1] ☐ SLOW [1]
☐ 0.7-<1m [4]	☐ POOL WIDTH = RIFFLE WIDTH [1]	☐ VERY FAST [1] ☐ INTERSTITIAL [-1]
☐ 0.4-<0.7m [2]	☐ POOL WIDTH < RIFFLE WIDTH [0]	☐ FAST [1] ☐ INTERMITTENT [-2]
☐ 0.2-<0.4m [1]		☐ MODERATE [1] ☐ EDDIES [1]
☐ < 0.2m [0]		*Indicate for reach - pools and riffles.*

Recreation Potential
Primary Contact
Secondary Contact
(circle one and comment on back)

Comments 2+2+1+1

Pool / Current 6 Maximum 12

Indicate for functional riffles; Best areas must be large enough to support a population of riffle-obligate species: Check ONE (*Or 2 & average*). ☐ NO RIFFLE [metric=0]

RIFFLE DEPTH	RUN DEPTH	RIFFLE / RUN SUBSTRATE	RIFFLE / RUN EMBEDDEDNESS
☐ BEST AREAS > 10cm [2]	☐ MAXIMUM > 50cm [2]	☐ STABLE (e.g., Cobble, Boulder) [2]	☐ NONE [2]
☐ BEST AREAS 5-10cm [1]	☐ MAXIMUM < 50cm [1]	☐ MOD. STABLE (e.g., Large Gravel) [1]	☐ LOW [1]
☐ BEST AREAS < 5cm [metric=0]		☐ UNSTABLE (e.g., Fine Gravel, Sand) [0]	☐ MODERATE [0]
			☐ EXTENSIVE [-1]

Comments 2+1+1.5+(-0.5)

Riffle / Run 4 Maximum 8

6] GRADIENT

(56.20 ft/mi) ☐ VERY LOW - LOW [2-4] ☐ MODERATE [6-10] ☑ HIGH - VERY HIGH [10-6]

DRAINAGE AREA (1.20 mi²)

%POOL: ( ) %GLIDE: ( )
%RUN: ( ) %RIFFLE: ( )

Gradient 8 Maximum 10

A] SAMPLED REACH

Check ALL that apply

Comment RE: Reach consistency/ Is reach typical of steam?, *Recreation/* Observed - Inferred, *Other/* Sampling observations, Concerns, Access directions, etc.

METHOD

- ☐ BOAT
- ☐ WADE
- ☐ L. LINE
- ☐ OTHER

STAGE

1st -sample pass- 2nd

- ☐ HIGH ☐
- ☐ UP ☐
- ☐ NORMAL ☐
- ☐ LOW ☐
- ☐ DRY ☐

DISTANCE

- ☐ 0.5 Km
- ☐ 0.2 Km
- ☐ 0.15 Km
- ☐ 0.12 Km
- ☐ OTHER

_____ meters

CLARITY

1st --sample pass-- 2nd

- ☐ < 20 cm ☐
- ☐ 20-<40 cm ☐
- ☐ 40-70 cm ☐
- ☐ > 70 cm/ CTB ☐
- ☐ SECCHI DEPTH ☐

CANOPY

- ☐ > 85%- OPEN
- ☐ 55%-<85%
- ☐ 30%-<55%
- ☐ 10%-<30%
- ☐ <10%- CLOSED

pass 1st_____ cm 2nd_____ cm

B] AESTHETICS

- ☐ NUISANCE ALGAE
- ☐ INVASIVE MACROPHYTES
- ☐ EXCESS TURBIDITY
- ☐ DISCOLORATION
- ☐ FOAM / SCUM
- ☐ OIL SHEEN
- ☐ TRASH / LITTER
- ☐ NUISANCE ODOR
- ☐ SLUDGE DEPOSITS
- ☐ CSOs/SSOs/OUTFALLS

C] RECREATION

AREA DEPTH

POOL: ☐ >100ft² ☐ >3ft

D] MAINTENANCE

Circle some & *COMMENT*

PUBLIC / PRIVATE / BOTH / NA
ACTIVE / HISTORIC / BOTH / NA
YOUNG-SUCCESSION-OLD
SPRAY / SNAG / REMOVED
MODIFIED / DIPPED OUT / NA
LEVEED / ONE SIDED
RELOCATED / CUTOFFS
MOVING-BEDLOAD-STABLE
ARMOURED / SLUMPS
ISLANDS / SCOURED
IMPOUNDED / DESICCATED
FLOOD CONTROL / DRAINAGE

E] ISSUES

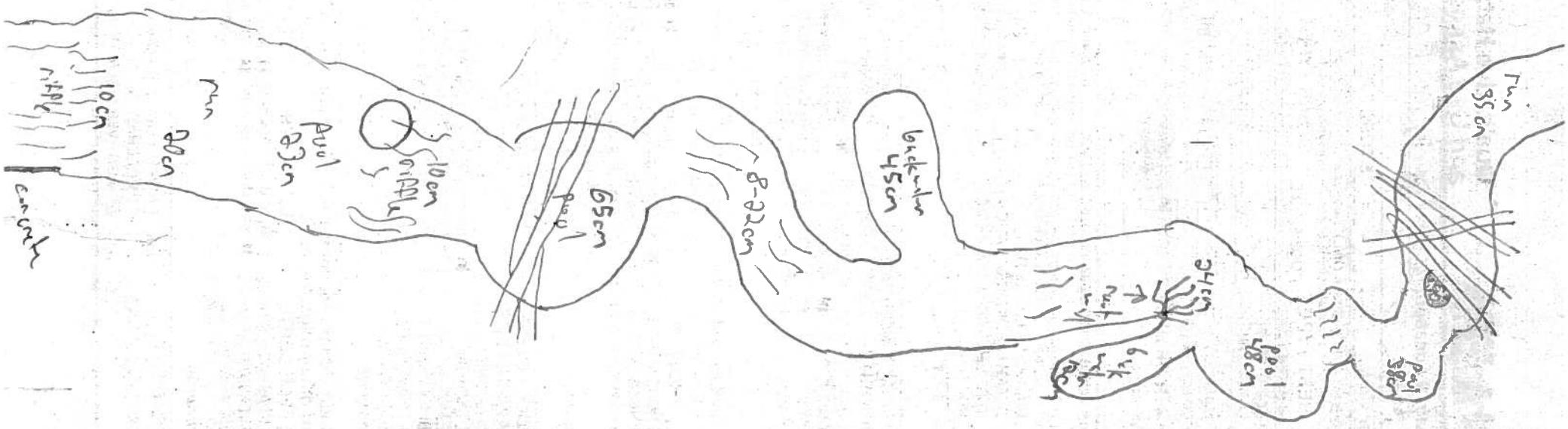
WWTP / CSO / NPDES / INDUSTRY
HARDENED / URBAN / DIRT&GRIME
CONTAMINATED / LANDFILL
BMPs-CONSTRUCTION-SEDIMENT
LOGGING / IRRIGATION / COOLING
BANK / EROSION / SURFACE
FALSE BANK / MANURE / LAGOON
WASH H_2O / TILE / H_2O TABLE
ACID / MINE / QUARRY / FLOW
NATURAL / WETLAND / STAGNANT
PARK / GOLF / LAWN / HOME
ATMOSPHERE / DATA PAUCITY

F] MEASUREMENTS

- $\bar{x}$ width
- $\bar{x}$ depth
- max. depth
- $\bar{x}$ bankfull width
- bankfull $\bar{x}$ depth
- W/D ratio
- bankfull max. depth
- floodprone x^2 width
- entrench. ratio

Legacy Tree:

Stream Drawing:



Ohio EPA — Qualitative Habitat Evaluation Index and Use Assessment Field Sheet

QHEI Score: 51

Stream & Location: Doan Brook **RM:** 0.75 **Date:** 06/16/16

Scorers Full Name & Affiliation: E. Sechnler (K. Amidon) Northeast Ohio Regional Sewer District

River Code: __-___-___ **STORET #:** _____ **Lat./Long.:** (NAD 83 - decimal °) 41.5330 / 81.6296 Office verified location ☐

1] SUBSTRATE

Check ONLY Two substrate TYPE BOXES; estimate % or note every type present

BEST TYPES	POOL	RIFFLE	OTHER TYPES	POOL	RIFFLE
☐ ☐ BLDR /SLABS [10]			☐ ☐ HARDPAN [4]		
☐ ☐ BOULDER [9]			☐ ☐ DETRITUS [3]		
☐ ☐ COBBLE [8]			☐ ☐ MUCK [2]		
☐ ☐ GRAVEL [7]			☐ ☐ SILT [2]		
☐ ☐ SAND [6]			☐ ☐ ARTIFICIAL [0]		
☐ ☐ BEDROCK [5]					

(Score natural substrates; ignore sludge from point-sources)

NUMBER OF BEST TYPES: ☐ 4 or more [2] ☐ 3 or less [0]

Check ONE (Or 2 & average)

ORIGIN	QUALITY
☐ LIMESTONE [1]	☐ HEAVY [-2]
☐ TILLS [1]	☐ MODERATE [-1]
☐ WETLANDS [0]	☐ NORMAL [0]
☐ HARDPAN [0]	☐ FREE [1]
☐ SANDSTONE [0]	☐ EXTENSIVE [-2]
☐ RIP/RAP [0]	☐ MODERATE [-1]
☐ LACUSTURINE [0]	☐ NORMAL [0]
☐ SHALE [-1]	☐ NONE [1]
☐ COAL FINES [-2]	

SILT — EMBEDDEDNESS

Substrate: 15 (Maximum 20)

Comments: sand/boulder/cobble all about even amounts.

2] INSTREAM COVER

Indicate presence 0 to 3: 0-Absent; 1-Very small amounts or if more common of marginal quality; 2-Moderate amounts, but not of highest quality or in small amounts of highest quality; 3-Highest quality in moderate or greater amounts (e.g., very large boulders in deep or fast water, large diameter log that is stable, well developed rootwad in deep / fast water, or deep, well-defined, functional pools.

0	UNDERCUT BANKS [1]	1	POOLS > 70cm [2]	0	OXBOWS, BACKWATERS [1]
1	OVERHANGING VEGETATION [1]	0	ROOTWADS [1]	0	AQUATIC MACROPHYTES [1]
0	SHALLOWS (IN SLOW WATER) [1]	2	BOULDERS [1]	1	LOGS OR WOODY DEBRIS [1]
0	ROOTMATS [1]				

AMOUNT — Check ONE (Or 2 & average)

☐ EXTENSIVE >75% [11]
☐ MODERATE 25-75% [7]
☐ SPARSE 5-<25% [3]
☐ NEARLY ABSENT <5% [1]

Comments

Cover: 6 (Maximum 20)

3] CHANNEL MORPHOLOGY

Check ONE in each category (Or 2 & average)

SINUOSITY	DEVELOPMENT	CHANNELIZATION	STABILITY
☐ HIGH [4]	☐ EXCELLENT [7]	☐ NONE [6]	☐ HIGH [3]
☐ MODERATE [3]	☐ GOOD [5]	☐ RECOVERED [4]	☐ MODERATE [2]
☐ LOW [2]	☐ FAIR [3]	☐ RECOVERING [3]	☐ LOW [1]
☐ NONE [1]	☐ POOR [1]	☐ RECENT OR NO RECOVERY [1]	

Comments

Channel: 6 (Maximum 20)

4] BANK EROSION AND RIPARIAN ZONE

Check ONE in each category for EACH BANK (Or 2 per bank & average)

River right looking downstream

EROSION (L R)	RIPARIAN WIDTH (L R)	FLOOD PLAIN QUALITY (L R)	(L R)
☐ ☐ NONE / LITTLE [3]	☐ ☐ WIDE > 50m [4]	☐ ☐ FOREST, SWAMP [3]	☐ ☐ CONSERVATION TILLAGE [1]
☐ ☐ MODERATE [2]	☐ ☐ MODERATE 10-50m [3]	☐ ☐ SHRUB OR OLD FIELD [2]	☐ ☐ URBAN OR INDUSTRIAL [0]
☐ ☐ HEAVY / SEVERE [1]	☐ ☐ NARROW 5-10m [2]	☐ ☐ RESIDENTIAL, PARK, NEW FIELD [1]	☐ ☐ MINING / CONSTRUCTION [0]
	☐ ☐ VERY NARROW < 5m [1]	☐ ☐ FENCED PASTURE [1]	
	☐ ☐ NONE [0]	☐ ☐ OPEN PASTURE, ROWCROP [0]	

Indicate predominant land use(s) past 100m riparian.

Comments

Riparian: 7 (Maximum 10)

5] POOL / GLIDE AND RIFFLE / RUN QUALITY

MAXIMUM DEPTH — Check ONE (ONLY!)

☐ > 1m [6]
☐ 0.7-<1m [4]
☐ 0.4-<0.7m [2]
☐ 0.2-<0.4m [1]
☐ < 0.2m [0]

CHANNEL WIDTH — Check ONE (Or 2 & average)

☐ POOL WIDTH > RIFFLE WIDTH [2]
☐ POOL WIDTH = RIFFLE WIDTH [1]
☐ POOL WIDTH < RIFFLE WIDTH [0]

CURRENT VELOCITY — Check ALL that apply

☐ TORRENTIAL [-1] ☐ SLOW [1]
☐ VERY FAST [1] ☐ INTERSTITIAL [-1]
☐ FAST [1] ☐ INTERMITTENT [-2]
☐ MODERATE [1] ☐ EDDIES [1]

Indicate for reach - pools and riffles.

Recreation Potential
Primary Contact
Secondary Contact
(circle one and comment on back)

Comments

Pool / Current: 9 (Maximum 12)

Indicate for functional riffles; Best areas must be large enough to support a population of riffle-obligate species: ☐ NO RIFFLE [metric=0]

Check ONE (Or 2 & average).

RIFFLE DEPTH	RUN DEPTH	RIFFLE / RUN SUBSTRATE	RIFFLE / RUN EMBEDDEDNESS
☐ BEST AREAS > 10cm [2]	☐ MAXIMUM > 50cm [2]	☐ STABLE (e.g., Cobble, Boulder) [2]	☐ NONE [2]
☐ BEST AREAS 5-10cm [1]	☐ MAXIMUM < 50cm [1]	☐ MOD. STABLE (e.g., Large Gravel) [1]	☐ LOW [1]
☐ BEST AREAS < 5cm [metric=0]		☐ UNSTABLE (e.g., Fine Gravel, Sand) [0]	☐ MODERATE [0]
			☐ EXTENSIVE [-1]

Comments

Riffle / Run: 0 (Maximum 8)

6] GRADIENT

(13.9 ft/mi) ☐ VERY LOW - LOW [2-4]
☐ MODERATE [6-10]
☐ HIGH - VERY HIGH [10-6]

DRAINAGE AREA (9.10 mi²)

%POOL: __ %GLIDE: __
%RUN: __ %RIFFLE: __

Gradient: 8 (Maximum 10)

A] SAMPLED REACH

Check ALL that apply

Comment RE: Reach consistency/ Is reach typical of steam?, *Recreation/* Observed - Inferred, *Other/* Sampling observations, Concerns, Access directions, etc.

METHOD

- ☐ BOAT
- ☐ WADE
- ☐ L. LINE
- ☐ OTHER

STAGE

1st -sample pass- 2nd

- ☐ HIGH ☐
- ☐ UP ☐
- ☐ NORMAL ☐
- ☐ LOW ☐
- ☐ DRY ☐

DISTANCE

- ☐ 0.5 Km
- ☐ 0.2 Km
- ☐ 0.15 Km
- ☐ 0.12 Km
- ☐ OTHER

_____ meters

CLARITY

1st --sample pass-- 2nd

- ☐ < 20 cm ☐
- ☐ 20-<40 cm ☐
- ☐ 40-70 cm ☐
- ☐ > 70 cm/ CTB ☐
- ☐ SECCHI DEPTH ☐

CANOPY

- ☐ > 85%- OPEN
- ☐ 55%-<85%
- ☐ 30%-<55%
- ☐ 10%-<30%
- ☐ <10%- CLOSED

1st pass _____ cm

2nd _____ cm

B] AESTHETICS

- ☐ NUISANCE ALGAE
- ☐ INVASIVE MACROPHYTES
- ☐ EXCESS TURBIDITY
- ☐ DISCOLORATION
- ☐ FOAM / SCUM
- ☐ OIL SHEEN
- ☐ TRASH / LITTER
- ☐ NUISANCE ODOR
- ☐ SLUDGE DEPOSITS
- ☐ CSOs/SSOs/OUTFALLS

C] RECREATION

POOL: AREA ☐ >100ft² DEPTH ☐ >3ft

D] MAINTENANCE

Circle some & *COMMENT*

PUBLIC / PRIVATE / BOTH / NA
ACTIVE / HISTORIC / BOTH / NA
YOUNG-SUCCESSION-OLD
SPRAY / SNAG / REMOVED
MODIFIED / DIPPED OUT / NA
LEVEED / ONE SIDED
RELOCATED / CUTOFFS
MOVING-BEDLOAD-STABLE
ARMOURED / SLUMPS
ISLANDS / SCOURED
IMPOUNDED / DESICCATED
FLOOD CONTROL / DRAINAGE

E] ISSUES

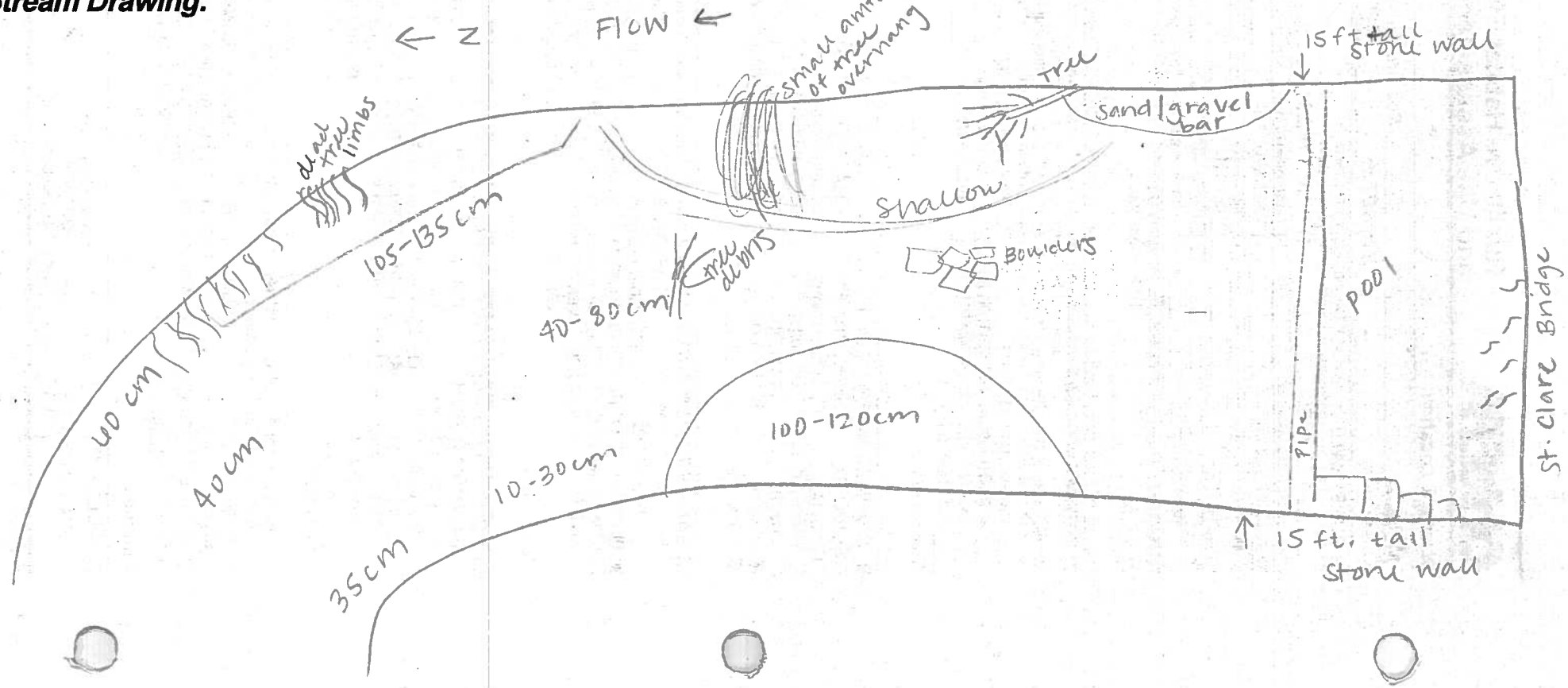
WWTP / CSO / NPDES / INDUSTRY
HARDENED / URBAN / DIRT&GRIME
CONTAMINATED / LANDFILL
BMPs-CONSTRUCTION-SEDIMENT
LOGGING / IRRIGATION / COOLING
BANK / EROSION / SURFACE
FALSE BANK / MANURE / LAGOON
WASH H_2O / TILE / H_2O TABLE
ACID / MINE / QUARRY / FLOW
NATURAL / WETLAND / STAGNANT
PARK / GOLF / LAWN / HOME
ATMOSPHERE / DATA PAUCITY

F] MEASUREMENTS

- $\bar{x}$ width
- $\bar{x}$ depth
- max. depth
- $\bar{x}$ bankfull width
- bankfull $\bar{x}$ depth
- W/D ratio
- bankfull max. depth
- floodprone x^2 width
- entrench. ratio

Legacy Tree:

Stream Drawing:



Ohio EPA — Qualitative Habitat Evaluation Index and Use Assessment Field Sheet

QHEI Score: 77.75

Stream & Location: Euclid Creek, upstream of Lakeshore Boulevard **RM:** 1.65 **Date:** 08/19/06

Scorers Full Name & Affiliation: J Rhodes, Northeast Ohio Regional Sewer District

River Code: __ - __ - __ **STORET #:** _____ **Lat./Long.:** 41.5741 / 81.5467 (NAD 83 - decimal °) **Office verified location** ☐

1] SUBSTRATE

Check ONLY Two substrate TYPE BOXES; estimate % or note every type present

BEST TYPES	POOL	RIFFLE	OTHER TYPES	POOL	RIFFLE
☐ ☐ BLDR /SLABS [10]	✓	✓	☐ ☐ HARDPAN [4]		
☐ ■ BOULDER [9]	✓	✓	☐ ☐ DETRITUS [3]		
■ ☐ COBBLE [8]	✓	✓	☐ ☐ MUCK [2]		
☐ ☐ GRAVEL [7]		✓	☐ ☐ SILT [2]	✓	✓
☐ ☐ SAND [6]		✓	☐ ☐ ARTIFICIAL [0]		✓
☐ ☐ BEDROCK [5]	✓	✓			

Score natural substrates; ignore sludge from point-sources)

NUMBER OF BEST TYPES: ■ 4 or more [2] ☐ 3 or less [0]

Check ONE (Or 2 & average)

ORIGIN	QUALITY
☐ LIMESTONE [1]	☐ HEAVY [-2]
■ TILLS [1]	☐ MODERATE [-1]
☐ WETLANDS [0]	■ NORMAL [0]
☐ HARDPAN [0]	☐ FREE [1]
☐ SANDSTONE [0]	☐ EXTENSIVE [-2]
☐ RIP/RAP [0]	■ MODERATE [-1]
☐ LACUSTURINE [0]	☐ NORMAL [0]
☐ SHALE [-1]	☐ NONE [1]
☐ COAL FINES [-2]	

SILT / EMBEDDEDNESS

Comments

Substrate 19 (Maximum 20)

2] INSTREAM COVER

Indicate presence 0 to 3: 0-Absent; 1-Very small amounts or if more common of marginal quality; 2-Moderate amounts, but not of highest quality or in small amounts of highest quality; 3-Highest quality in moderate or greater amounts (e.g., very large boulders in deep or fast water, large diameter log that is stable, well developed rootwad in deep / fast water, or deep, well-defined, functional pools.

1 UNDERCUT BANKS [1]	1 POOLS >70cm [2]	0 OXBOWS, BACKWATERS [1]
1 OVERHANGING VEGETATION [1]	1 ROOTWADS [1]	0 AQUATIC MACROPHYTES [1]
1 SHALLOWS (IN SLOW WATER) [1]	3 BOULDERS [1]	1 LOGS OR WOODY DEBRIS [1]
1 ROOTMATS [1]		

AMOUNT Check ONE (Or 2 & average)

☐ EXTENSIVE >75% [11]
☐ MODERATE 25-75% [7]
■ SPARSE 5-<25% [3]
☐ NEARLY ABSENT <5% [1]

Comments

Cover 12 (Maximum 20)

3] CHANNEL MORPHOLOGY

Check ONE in each category (Or 2 & average)

SINUOSITY	DEVELOPMENT	CHANNELIZATION	STABILITY
☐ HIGH [4]	☐ EXCELLENT [7]	■ NONE [6]	☐ HIGH [3]
☐ MODERATE [3]	■ GOOD [5] 4	■ RECOVERED [4]	■ MODERATE [2]
■ LOW [2]	■ FAIR [3]	☐ RECOVERING [3]	☐ LOW [1]
☐ NONE [1]	☐ POOR [1]	☐ RECENT OR NO RECOVERY [1]	

Comments

Channel 14 (Maximum 20)

4] BANK EROSION AND RIPARIAN ZONE

Check ONE in each category for EACH BANK (Or 2 per bank & average)

River right looking downstream

EROSION (L R)	RIPARIAN WIDTH (L R)	FLOOD PLAIN QUALITY (L R)	(L R)
■ ■ NONE / LITTLE [3]	☐ ■ WIDE > 50m [4] 3.5	☐ ☐ FOREST, SWAMP [3]	☐ ☐ CONSERVATION TILLAGE [1]
☐ ☐ MODERATE [2]	■ ■ MODERATE 10-50m [3]	☐ ☐ SHRUB OR OLD FIELD [2]	■ ■ URBAN OR INDUSTRIAL [0]
☐ ☐ HEAVY / SEVERE [1]	☐ ☐ NARROW 5-10m [2]	■ ■ RESIDENTIAL, PARK, NEW FIELD [1]	☐ ☐ MINING / CONSTRUCTION [0]
3	☐ ☐ VERY NARROW < 5m [1]	☐ ☐ FENCED PASTURE [1]	
	☐ ☐ NONE [0]	☐ ☐ OPEN PASTURE, ROWCROP [0]	
	3.25	1.5	

Indicate predominant land use(s) past 100m riparian.

Comments

Riparian 6.75 (Maximum 10)

5] POOL / GLIDE AND RIFFLE / RUN QUALITY

MAXIMUM DEPTH	CHANNEL WIDTH	CURRENT VELOCITY
Check ONE (ONLY!)	Check ONE (Or 2 & average)	Check ALL that apply
■ > 1m [6]	■ POOL WIDTH > RIFFLE WIDTH [2]	☐ TORRENTIAL [-1]
☐ 0.7-<1m [4]	☐ POOL WIDTH = RIFFLE WIDTH [1]	☐ VERY FAST [1]
☐ 0.4-<0.7m [2]	☐ POOL WIDTH < RIFFLE WIDTH [0]	☐ FAST [1]
☐ 0.2-<0.4m [1]		☐ MODERATE [1]
☐ < 0.2m [0]		■ SLOW [1]
		☐ INTERSTITIAL [-1]
		☐ INTERMITTENT [-2]
		■ EDDIES [1]

Indicate for reach - pools and riffles.

Recreation Potential
Primary Contact
Secondary Contact
(circle one and comment on back)

Comments

Pool / Current 10 (Maximum 12)

Indicate for functional riffles; Best areas must be large enough to support a population of riffle-obligate species: ☐ NO RIFFLE [metric=0]

Check ONE (Or 2 & average).

RIFFLE DEPTH	RUN DEPTH	RIFFLE / RUN SUBSTRATE	RIFFLE / RUN EMBEDDEDNESS
■ BEST AREAS > 10cm [2]	■ MAXIMUM > 50cm [2]	■ STABLE (e.g., Cobble, Boulder) [2]	☐ NONE [2]
☐ BEST AREAS 5-10cm [1]	☐ MAXIMUM < 50cm [1]	☐ MOD. STABLE (e.g., Large Gravel) [1]	☐ LOW [1]
☐ BEST AREAS < 5cm [metric=0]		☐ UNSTABLE (e.g., Fine Gravel, Sand) [0]	■ MODERATE [0]
			☐ EXTENSIVE [-1]

Comments

Riffle / Run 6 (Maximum 8)

6] GRADIENT

(16.20 ft/mi) ☐ VERY LOW - LOW [2-4]
☐ MODERATE [6-10]
☐ HIGH - VERY HIGH [10-6]

DRAINAGE AREA (21.80 mi²)

%POOL: ( ) %GLIDE: ( )
%RUN: ( ) %RIFFLE: ( )

Gradient 10 (Maximum 10)

A] SAMPLED REACH

Check ALL that apply

METHOD

- ☐ BOAT
- ☐ WADE
- ☐ L. LINE
- ☐ OTHER

STAGE

1st -sample pass- 2nd

- ☐ HIGH ☐
- ☐ UP ☐
- ☐ NORMAL ☐
- ☐ LOW ☐
- ☐ DRY ☐

DISTANCE

- ☐ 0.5 Km
- ☐ 0.2 Km
- ☐ 0.15 Km
- ☐ 0.12 Km
- ☐ OTHER

_____ meters

CLARITY

1st --sample pass-- 2nd

- ☐ < 20 cm ☐
- ☐ 20-<40 cm ☐
- ☐ 40-70 cm ☐
- ☐ > 70 cm/ CTB ☐
- ☐ SECCHI DEPTH ☐

1st _____ cm
2nd _____ cm

CANOPY

- ☐ > 85%- OPEN
- ☐ 55%-<85%
- ☐ 30%-<55%
- ☐ 10%-<30%
- ☐ <10%- CLOSED

Comment RE: Reach consistency/ Is reach typical of steam?, *Recreation/* Observed - Inferred, *Other/* Sampling observations, Concerns, Access directions, etc.

B] AESTHETICS

- ☐ NUISANCE ALGAE
- ☐ INVASIVE MACROPHYTES
- ☐ EXCESS TURBIDITY
- ☐ DISCOLORATION
- ☐ FOAM / SCUM
- ☐ OIL SHEEN
- ☐ TRASH / LITTER
- ☐ NUISANCE ODOR
- ☐ SLUDGE DEPOSITS
- ☐ CSOs/SSOs/OUTFALLS

C] RECREATION

AREA DEPTH

POOL: ☐ >100ft² ☐ >3ft

D] MAINTENANCE

Circle some & *COMMENT*

PUBLIC / PRIVATE / BOTH / NA
ACTIVE / HISTORIC / BOTH / NA
YOUNG-SUCCESSION-OLD
SPRAY / SNAG / REMOVED
MODIFIED / DIPPED OUT / NA
LEVEED / ONE SIDED
RELOCATED / CUTOFFS
MOVING-BEDLOAD-STABLE
ARMOURED / SLUMPS
ISLANDS / SCOURED
IMPOUNDED / DESICCATED
FLOOD CONTROL / DRAINAGE

E] ISSUES

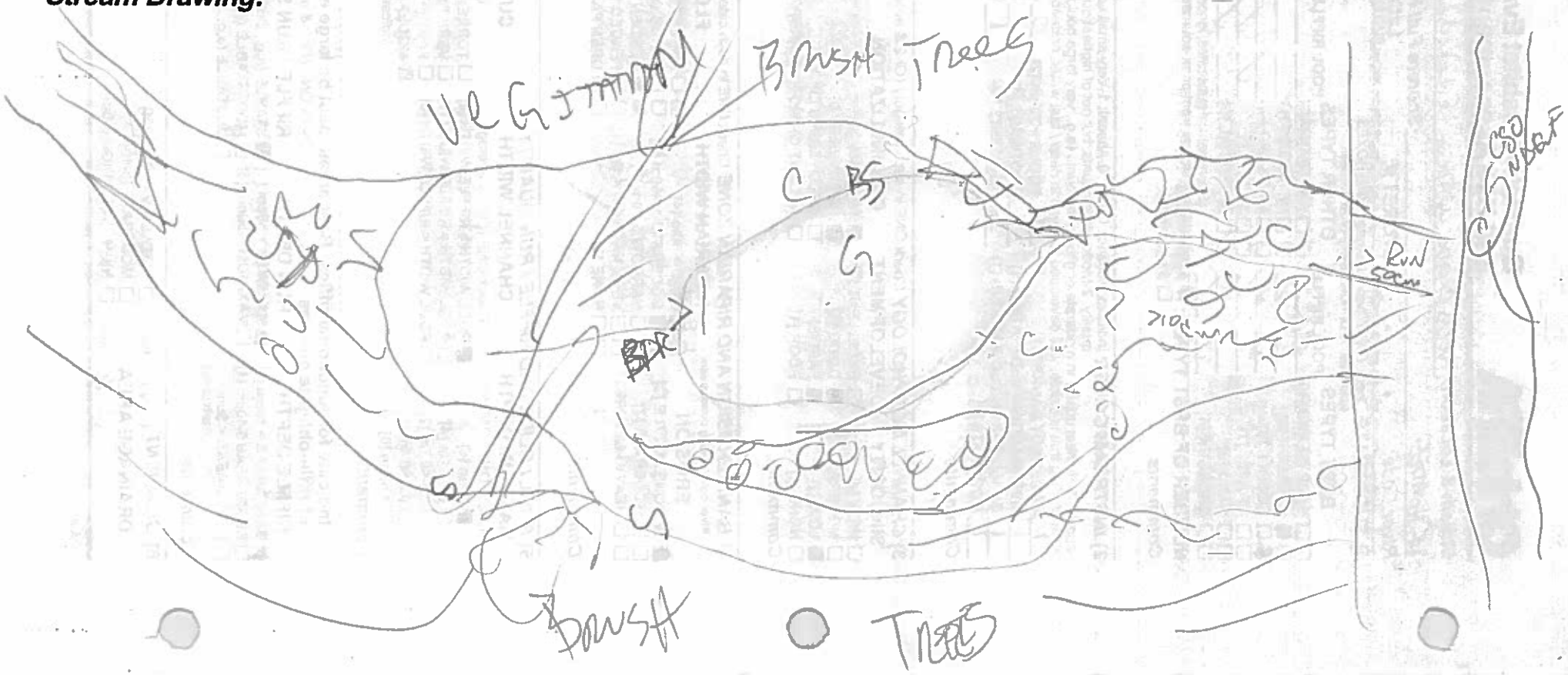
WWTP / CSO / NPDES / INDUSTRY
HARDENED / URBAN / DIRT&GRIME
CONTAMINATED / LANDFILL
BMPs-CONSTRUCTION-SEDIMENT
LOGGING / IRRIGATION / COOLING
BANK / EROSION / SURFACE
FALSE BANK / MANURE / LAGOON
WASH H_2O / TILE / H_2O TABLE
ACID / MINE / QUARRY / FLOW
NATURAL / WETLAND / STAGNANT
PARK / GOLF / LAWN / HOME
ATMOSPHERE / DATA PAUCITY

F] MEASUREMENTS

- $\bar{x}$ width
- $\bar{x}$ depth
- max. depth
- $\bar{x}$ bankfull width
- bankfull $\bar{x}$ depth
- W/D ratio
- bankfull max. depth
- floodprone $\bar{x}^2$ width
- entrench. ratio

Legacy Tree:

Stream Drawing:



OhioEPA Qualitative Habitat Evaluation Index and Use Assessment Field Sheet

QHEI Score: 65.25

Stream & Location: Euclid Creek (15057 dwnstrm of Lake Shore) **RM:** 00.55 **Date:** 06/23/16

Friedman (Matteson) **Scorers Full Name & Affiliation:** Northeast Ohio Regional Sewer District

River Code: __-___-___ **STORET #:** _____ **Lat./Long.:** (NAD 83 - decimal °) 41.58331 81.5594 **Office verified location** ☐

1] SUBSTRATE

Check ONLY Two substrate TYPE BOXES; estimate % or note every type present

BEST TYPES	POOL	RIFFLE	OTHER TYPES	POOL	RIFFLE
☐☐ BLDR /SLABS [10]			☐☐ HARDPAN [4]		
☐☐ BOULDER [9]	X		☐☐ DETRITUS [3]	X	
☐☐ COBBLE [8]	X		☐☐ MUCK [2]	X	
☐☒ GRAVEL [7]	X		☐☐ SILT [2]	X	X
☒☐ SAND [6]	X		☐☐ ARTIFICIAL [0]	X	1
☐☐ BEDROCK [5]					

(Score natural substrates; ignore sludge from point-sources)

NUMBER OF BEST TYPES: ☒ 4 or more [2] ☐ 3 or less [0]

Check ONE (Or 2 & average)

ORIGIN	SILT	QUALITY
☐ LIMESTONE [1]		☐ HEAVY [-2]
☒ TILLS [1]		☒ MODERATE [-1]
☐ WETLANDS [0]		☐ NORMAL [0]
☐ HARDPAN [0]		☐ FREE [1]
☐ SANDSTONE [0]	EMBEDDEDNESS	☐ EXTENSIVE [-2]
☐ RIP/RAP [0]		☒ MODERATE [-1]
☐ LACUSTURINE [0]		☐ NORMAL [0]
☐ SHALE [-1]		☐ NONE [1]
☐ COAL FINES [-2]		

Comments

Substrate 14 (Maximum 20)

2] INSTREAM COVER

Indicate presence 0 to 3: 0-Absent; 1-Very small amounts or if more common of marginal quality; 2-Moderate amounts, but not of highest quality or in small amounts of highest quality; 3-Highest quality in moderate or greater amounts (e.g., very large boulders in deep or fast water, large diameter log that is stable, well developed rootwad in deep / fast water, or deep, well-defined, functional pools.

3 UNDERCUT BANKS [1]	3 POOLS > 70cm [2]	1 OXBOWS, BACKWATERS [1]
3 OVERHANGING VEGETATION [1]	0 ROOTWADS [1]	AQUATIC MACROPHYTES [1]
3 SHALLOWS (IN SLOW WATER) [1]	1 BOULDERS [1]	1 LOGS OR WOODY DEBRIS [1]
1 ROOTMATS [1]		

AMOUNT Check ONE (Or 2 & average)

☐ EXTENSIVE >75% [11]
☒ MODERATE 25-75% [7]
☐ SPARSE 5-<25% [3]
☐ NEARLY ABSENT <5% [1]

Comments

Cover 16 (Maximum 20)

3] CHANNEL MORPHOLOGY

Check ONE in each category (Or 2 & average)

SINUOSITY	DEVELOPMENT	CHANNELIZATION	STABILITY
☐ HIGH [4]	☐ EXCELLENT [7]	☒ NONE [6]	☐ HIGH [3]
☒ MODERATE [3]	☐ GOOD [5]	☐ RECOVERED [4]	☐ MODERATE [2]
☐ LOW [2]	☒ FAIR [3]	☐ RECOVERING [3]	☒ LOW [1]
☐ NONE [1]	☐ POOR [1]	☐ RECENT OR NO RECOVERY [1]	

Comments

Channel 13 (Maximum 20)

4] BANK EROSION AND RIPARIAN ZONE

Check ONE in each category for EACH BANK (Or 2 per bank & average)

River right looking downstream

EROSION (L R)	RIPARIAN WIDTH (L R)	FLOOD PLAIN QUALITY (L R)	(L R)
☒☒ NONE / LITTLE [3]	☐☐ WIDE > 50m [4]	☒☐ FOREST, SWAMP [3]	☐☐ CONSERVATION TILLAGE [1]
☐☐ MODERATE [2]	☒☐ MODERATE 10-50m [3]	☐☐ SHRUB OR OLD FIELD [2]	☐☐ URBAN OR INDUSTRIAL [0]
☐☐ HEAVY / SEVERE [1]	☐☒ NARROW 5-10m [2]	☒☒ RESIDENTIAL, PARK, NEW FIELD [1]	☐☐ MINING / CONSTRUCTION [0]
	☐☐ VERY NARROW < 5m [1]	☐☐ FENCED PASTURE [1]	
	☒☐ NONE [0]	☐☐ OPEN PASTURE, ROWCROP [0]	

Indicate predominant land use(s) past 100m riparian.

Comments 3 1.75 1.5

Riparian 6.25 (Maximum 10)

5] POOL / GLIDE AND RIFFLE / RUN QUALITY

MAXIMUM DEPTH (Check ONE (ONLY!))	CHANNEL WIDTH (Check ONE (Or 2 & average))	CURRENT VELOCITY (Check ALL that apply)	
☒ > 1m [6]	☒ POOL WIDTH > RIFFLE WIDTH [2]	☐ TORRENTIAL [-1]	☒ SLOW [1]
☐ 0.7-<1m [4]	☐ POOL WIDTH = RIFFLE WIDTH [1]	☐ VERY FAST [1]	☐ INTERSTITIAL [-1]
☐ 0.4-<0.7m [2]	☐ POOL WIDTH < RIFFLE WIDTH [0]	☐ FAST [1]	☐ INTERMITTENT [-2]
☐ 0.2-<0.4m [1]		☒ MODERATE [1]	☐ EDDIES [1]
☐ < 0.2m [0]			

Indicate for reach - pools and riffles.

Recreation Potential
Primary Contact
Secondary Contact
(circle one and comment on back)

Comments

Pool / Current 10 (Maximum 12)

Indicate for functional riffles; Best areas must be large enough to support a population of riffle-obligate species: ☒ NO RIFFLE [metric=0]

Check ONE (Or 2 & average).

RIFFLE DEPTH	RUN DEPTH	RIFFLE / RUN SUBSTRATE	RIFFLE / RUN EMBEDDEDNESS
☐ BEST AREAS > 10cm [2]	☐ MAXIMUM > 50cm [2]	☐ STABLE (e.g., Cobble, Boulder) [2]	☐ NONE [2]
☐ BEST AREAS 5-10cm [1]	☐ MAXIMUM < 50cm [1]	☐ MOD. STABLE (e.g., Large Gravel) [1]	☐ LOW [1]
☐ BEST AREAS < 5cm [metric=0]		☐ UNSTABLE (e.g., Fine Gravel, Sand) [0]	☐ MODERATE [0]
			☐ EXTENSIVE [-1]

Comments

Riffle / Run 0 (Maximum 8)

6] GRADIENT

(5.9 ft/mi) ☐ VERY LOW - LOW [2-4] ☒ MODERATE [6-10] ☐ HIGH - VERY HIGH [10-6]

DRAINAGE AREA (23 mi²)

%POOL: ( ) %GLIDE: ( )
%RUN: ( ) %RIFFLE: ( )

Gradient 6 (Maximum 10)

A] SAMPLED REACH

Check ALL that apply

Comment RE: Reach consistency/ Is reach typical of steam?, *Recreation/* Observed - Inferred, *Other/* Sampling observations, Concerns, Access directions, etc.

METHOD

- ☐ BOAT
- ☐ WADE
- ☐ L. LINE
- ☐ OTHER

STAGE

1st -sample pass- 2nd

- ☐ HIGH ☐
- ☐ UP ☐
- ☐ NORMAL ☐
- ☐ LOW ☐
- ☐ DRY ☐

DISTANCE

- ☐ 0.5 Km
- ☐ 0.2 Km
- ☐ 0.15 Km
- ☐ 0.12 Km
- ☐ OTHER

_____ meters

CLARITY

1st --sample pass-- 2nd

- ☐ < 20 cm ☐
- ☐ 20-<40 cm ☐
- ☐ 40-70 cm ☐
- ☐ > 70 cm/ CTB ☐
- ☐ SECCHI DEPTH ☐

CANOPY

- ☐ > 85%- OPEN
- ☐ 55%-<85%
- ☐ 30%-<55%
- ☐ 10%-<30%
- ☐ <10%- CLOSED

1st pass _____ cm

2nd _____ cm

B] AESTHETICS

- ☐ NUISANCE ALGAE
- ☐ INVASIVE MACROPHYTES
- ☐ EXCESS TURBIDITY
- ☐ DISCOLORATION
- ☐ FOAM / SCUM
- ☐ OIL SHEEN
- ☐ TRASH / LITTER
- ☐ NUISANCE ODOR
- ☐ SLUDGE DEPOSITS
- ☐ CSOs/SSOs/OUTFALLS

C] RECREATION

AREA DEPTH

POOL: ☐ >100ft² ☐ >3ft

D] MAINTENANCE

Circle some & *COMMENT*

PUBLIC / PRIVATE / BOTH / NA
ACTIVE / HISTORIC / BOTH / NA
YOUNG-SUCCESSION-OLD
SPRAY / SNAG / REMOVED
MODIFIED / DIPPED OUT / NA
LEVEED / ONE SIDED
RELOCATED / CUTOFFS
MOVING-BEDLOAD-STABLE
ARMOURED / SLUMPS
ISLANDS / SCOURED
IMPOUNDED / DESICCATED
FLOOD CONTROL / DRAINAGE

E] ISSUES

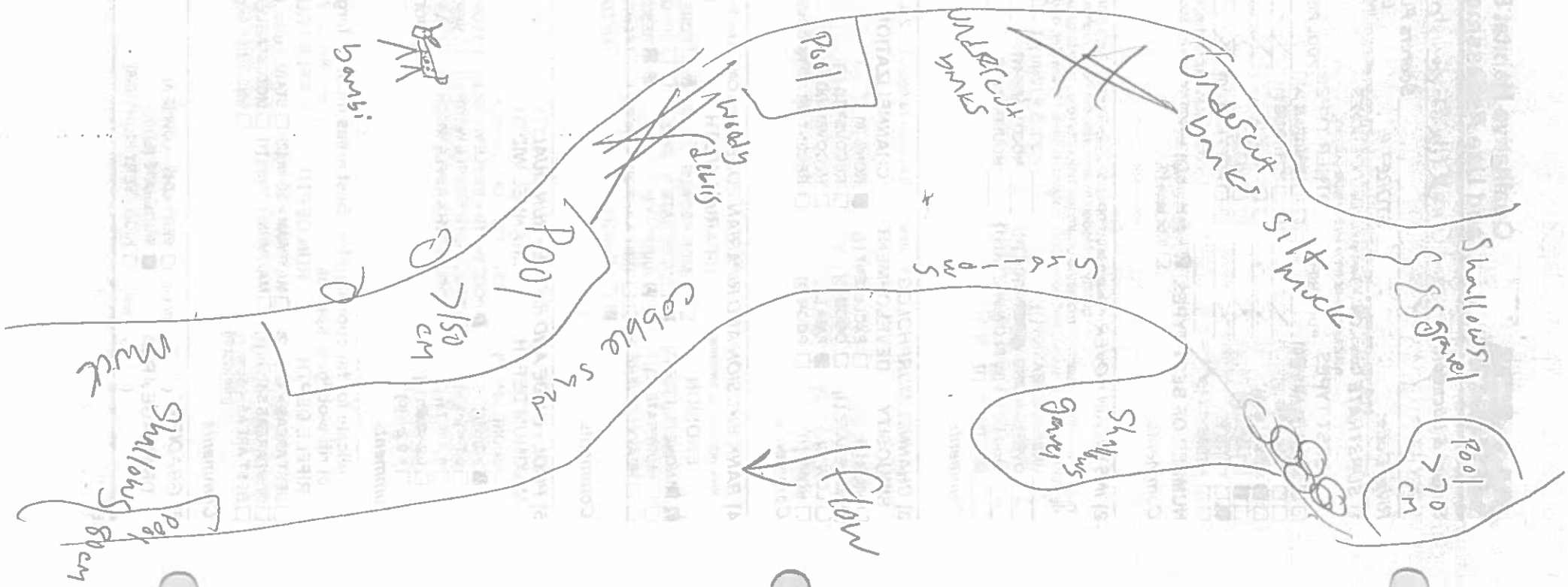
WWTP / CSO / NPDES / INDUSTRY
HARDENED / URBAN / DIRT&GRIME
CONTAMINATED / LANDFILL
BMPs-CONSTRUCTION-SEDIMENT
LOGGING / IRRIGATION / COOLING
BANK / EROSION / SURFACE
FALSE BANK / MANURE / LAGOON
WASH H_2O / TILE / H_2O TABLE
ACID / MINE / QUARRY / FLOW
NATURAL / WETLAND / STAGNANT
PARK / GOLF / LAWN / HOME
ATMOSPHERE / DATA PAUCITY

F] MEASUREMENTS

- $\bar{x}$ width
- $\bar{x}$ depth
- max. depth
- $\bar{x}$ bankfull width
- bankfull $\bar{x}$ depth
- W/D ratio
- bankfull max. depth
- floodprone x^2 width
- entrench. ratio

Legacy Tree:

Stream Drawing:



Qualitative Habitat Evaluation Index and Use Assessment Field Sheet

QHEI Score: 73

Stream & Location: West Creek (Downstream I-480) **RM:** 02.10 **Date:** 8/1/16

Scorers Full Name & Affiliation: Matteson, Northeast Ohio Regional Sewer District

River Code: ___-___-___ **STORET #:** _____ **Lat./Long.:** 41.4136 / 81.6705 (NAD 83 - decimal °) Office verified location ☐

1] SUBSTRATE

Check ONLY Two substrate TYPE BOXES; estimate % or note every type present

BEST TYPES	POOL	RIFFLE	OTHER TYPES	POOL	RIFFLE
☐☐ BLDR /SLABS [10]		✓	☐☐ HARDPAN [4]		
☐☐ BOULDER [9]		✓	☐☐ DETRITUS [3]		
☑☐ COBBLE [8]	✓	✓	☐☐ MUCK [2]		
☐☑ GRAVEL [7]	✓	✓	☐☐ SILT [2]	✓	✓
☐☐ SAND [6]	✓	✓	☐☐ ARTIFICIAL [0]		✓
☐☐ BEDROCK [5]	✓				

(Score natural substrates; ignore sludge from point-sources)

NUMBER OF BEST TYPES: ☑ 4 or more [2] ☐ 3 or less [0]

Check ONE (Or 2 & average)

ORIGIN: ☐ LIMESTONE [1] ☑ TILLS [1] ☐ WETLANDS [0] ☐ HARDPAN [0] ☐ SANDSTONE [0] ☐ RIP/RAP [0] ☐ LACUSTURINE [0] ☐ SHALE [-1] ☐ COAL FINES [-2]

QUALITY: SILT: ☐ HEAVY [-2] ☐ MODERATE [-1] ☑ NORMAL [0] ☐ FREE [1]

EMBEDDEDNESS: ☐ EXTENSIVE [-2] ☑ MODERATE [-1] ☑ NORMAL [0] ☐ NONE [1]

Comments 8+7+2+1+(-0.5)

Substrate 17.5 (Maximum 20)

2] INSTREAM COVER

Indicate presence 0 to 3: 0-Absent; 1-Very small amounts or if more common of marginal quality; 2-Moderate amounts, but not of highest quality or in small amounts of highest quality; 3-Highest quality in moderate or greater amounts (e.g., very large boulders in deep or fast water, large diameter log that is stable, well developed rootwad in deep / fast water, or deep, well-defined, functional pools.

__	UNDERCUT BANKS [1]	1	POOLS > 70cm [2]	__	OXBOWS, BACKWATERS [1]
1	OVERHANGING VEGETATION [1]	__	ROOTWADS [1]	1	AQUATIC MACROPHYTES [1]
__	SHALLOWS (IN SLOW WATER) [1]	2	BOULDERS [1]	1	LOGS OR WOODY DEBRIS [1]
__	ROOTMATS [1]				

AMOUNT Check ONE (Or 2 & average)

☐ EXTENSIVE >75% [11] ☑ MODERATE 25-75% [7] ☑ SPARSE 5-<25% [3] ☐ NEARLY ABSENT <5% [1]

Comments 6+5

Cover 11 (Maximum 20)

3] CHANNEL MORPHOLOGY

Check ONE in each category (Or 2 & average)

SINUOSITY: ☐ HIGH [4] ☐ MODERATE [3] ☐ LOW [2] ☑ NONE [1]

DEVELOPMENT: ☐ EXCELLENT [7] ☑ GOOD [5] ☐ FAIR [3] ☐ POOR [1]

CHANNELIZATION: ☐ NONE [6] ☐ RECOVERED [4] ☑ RECOVERING [3] ☐ RECENT OR NO RECOVERY [1]

STABILITY: ☑ HIGH [3] ☐ MODERATE [2] ☐ LOW [1]

Comments 1+5+3+3

Channel 12 (Maximum 20)

4] BANK EROSION AND RIPARIAN ZONE

Check ONE in each category for EACH BANK (Or 2 per bank & average)

River right looking downstream

EROSION (L R): ☑☑ NONE / LITTLE [3] ☐☐ MODERATE [2] ☐☐ HEAVY / SEVERE [1]

RIPARIAN WIDTH (L R): ☑☐ WIDE > 50m [4] ☐☐ MODERATE 10-50m [3] ☐☑ NARROW 5-10m [2] ☐☐ VERY NARROW < 5m [1] ☐☐ NONE [0]

FLOOD PLAIN QUALITY (L R): ☑☐ FOREST, SWAMP [3] ☐☐ SHRUB OR OLD FIELD [2] ☐☐ RESIDENTIAL, PARK, NEW FIELD [1] ☐☐ FENCED PASTURE [1] ☐☐ OPEN PASTURE, ROWCROP [0]

☐☐ CONSERVATION TILLAGE [1] ☐☑ URBAN OR INDUSTRIAL [0] ☐☐ MINING / CONSTRUCTION [0]

Indicate predominant land use(s) past 100m riparian.

Comments 3+3+1.5

Riparian 7.5 (Maximum 10)

5] POOL / GLIDE AND RIFFLE / RUN QUALITY

MAXIMUM DEPTH Check ONE (ONLY!): ☑ > 1m [6] ☐ 0.7-<1m [4] ☐ 0.4-<0.7m [2] ☐ 0.2-<0.4m [1] ☐ < 0.2m [0]

CHANNEL WIDTH Check ONE (Or 2 & average): ☑ POOL WIDTH > RIFFLE WIDTH [2] ☐ POOL WIDTH = RIFFLE WIDTH [1] ☐ POOL WIDTH < RIFFLE WIDTH [0]

CURRENT VELOCITY Check ALL that apply: ☐ TORRENTIAL [-1] ☐ VERY FAST [1] ☑ FAST [1] ☑ MODERATE [1] ☑ SLOW [1] ☐ INTERSTITIAL [-1] ☐ INTERMITTENT [-2] ☐ EDDIES [1]

Indicate for reach - pools and riffles.

Recreation Potential Primary Contact / Secondary Contact (circle one and comment on back)

Comments 6+1.5+3

Pool / Current 10.5 (Maximum 12)

Indicate for functional riffles; Best areas must be large enough to support a population of riffle-obligate species: Check ONE (Or 2 & average). ☐ NO RIFFLE [metric=0]

RIFFLE DEPTH: ☑ BEST AREAS > 10cm [2] ☐ BEST AREAS 5-10cm [1] ☐ BEST AREAS < 5cm [metric=0]

RUN DEPTH: ☑ MAXIMUM > 50cm [2] ☐ MAXIMUM < 50cm [1]

RIFFLE / RUN SUBSTRATE: ☑ STABLE (e.g., Cobble, Boulder) [2] ☐ MOD. STABLE (e.g., Large Gravel) [1] ☐ UNSTABLE (e.g., Fine Gravel, Sand) [0]

RIFFLE / RUN EMBEDDEDNESS: ☐ NONE [2] ☑ LOW [1] ☑ MODERATE [0] ☐ EXTENSIVE [-1]

Comments 2+2+2+0.5

Riffle / Run 6.5 (Maximum 8)

6] GRADIENT (36.4 ft/mi)

DRAINAGE AREA (8.7 mi²)

☐ VERY LOW - LOW [2-4] ☐ MODERATE [6-10] ☑ HIGH - VERY HIGH [10-6]

%POOL: __ %GLIDE: __ %RUN: __ %RIFFLE: __

Gradient 8 (Maximum 10)

A] SAMPLED REACH

Check ALL that apply

METHOD

- ☐ BOAT
- ☐ WADE
- ☐ L. LINE
- ☐ OTHER

DISTANCE

- ☐ 0.5 Km
- ☐ 0.2 Km
- ☐ 0.15 Km
- ☐ 0.12 Km
- ☐ OTHER

_____ meters

STAGE

1st -sample pass- 2nd

- ☐ HIGH ☐
- ☐ UP ☐
- ☐ NORMAL ☐
- ☐ LOW ☐
- ☐ DRY ☐

CLARITY

1st --sample pass-- 2nd

- ☐ < 20 cm ☐
- ☐ 20-<40 cm ☐
- ☐ 40-70 cm ☐
- ☐ > 70 cm/ CTB ☐
- ☐ SECCHI DEPTH ☐

CANOPY

- ☐ > 85%- OPEN
- ☐ 55%-<85%
- ☐ 30%-<55%
- ☐ 10%-<30%
- ☐ <10%- CLOSED

1st_____ cm

pass

2nd_____ cm

Comment RE: Reach consistency/ Is reach typical of steam?, *Recreation/* Observed - Inferred, *Other/* Sampling observations, Concerns, Access directions, etc.

_____

_____

_____

_____

_____

Circle some & *COMMENT*

B] AESTHETICS

- ☐ NUISANCE ALGAE
- ☐ INVASIVE MACROPHYTES
- ☐ EXCESS TURBIDITY
- ☐ DISCOLORATION
- ☐ FOAM / SCUM
- ☐ OIL SHEEN
- ☐ TRASH / LITTER
- ☐ NUISANCE ODOR
- ☐ SLUDGE DEPOSITS
- ☐ CSOs/SSOs/OUTFALLS

C] RECREATION

AREA DEPTH

POOL: ☐ >100ft² ☐ >3ft

D] MAINTENANCE

PUBLIC / PRIVATE / BOTH / NA
ACTIVE / HISTORIC / BOTH / NA
YOUNG-SUCCESSION-OLD
SPRAY / SNAG / REMOVED
MODIFIED / DIPPED OUT / NA
LEVEED / ONE SIDED
RELOCATED / CUTOFFS
MOVING-BEDLOAD-STABLE
ARMOURED / SLUMPS
ISLANDS / SCOURED
IMPOUNDED / DESICCATED
FLOOD CONTROL / DRAINAGE

E] ISSUES

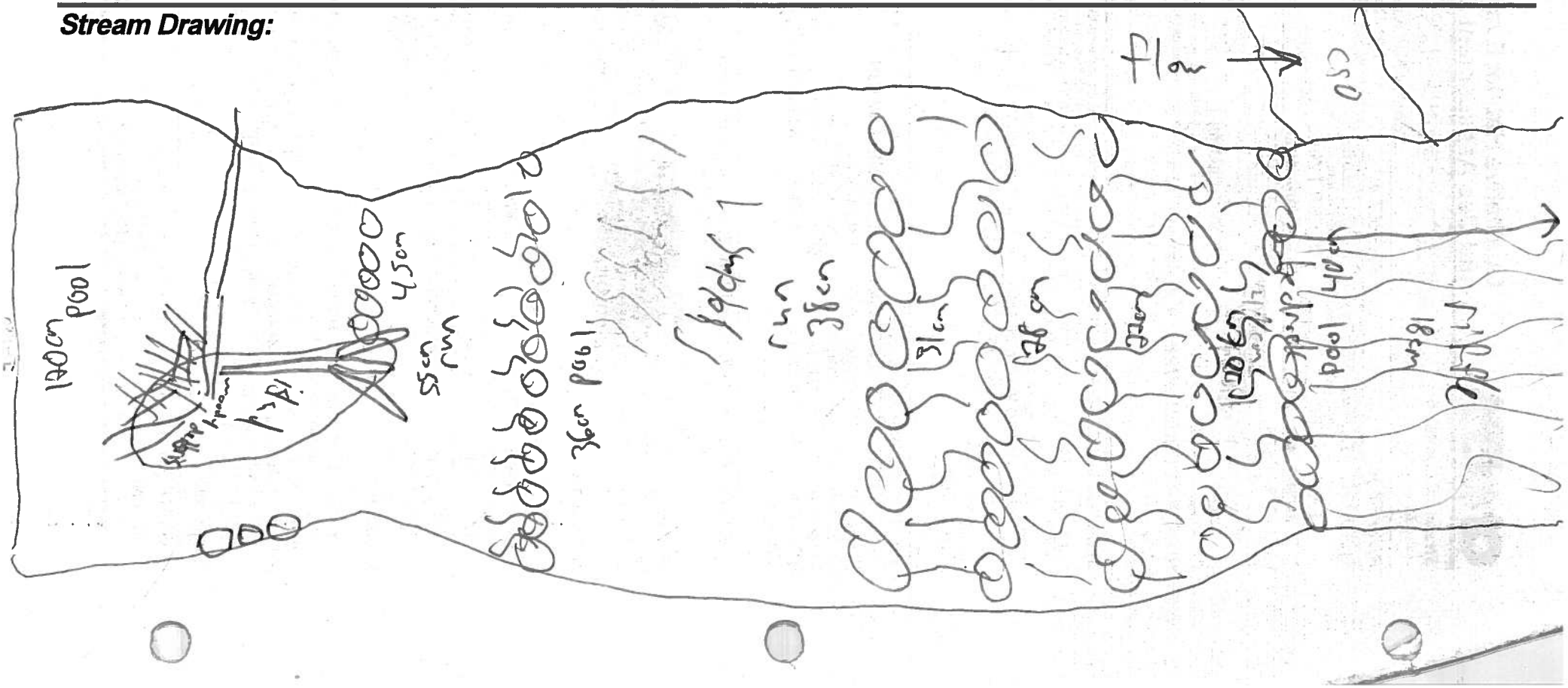
WWTP / CSO / NPDES / INDUSTRY
HARDENED / URBAN / DIRT&GRIME
CONTAMINATED / LANDFILL
BMPs-CONSTRUCTION-SEDIMENT
LOGGING / IRRIGATION / COOLING
BANK / EROSION / SURFACE
FALSE BANK / MANURE / LAGOON
WASH H_2O / TILE / H_2O TABLE
ACID / MINE / QUARRY / FLOW
NATURAL / WETLAND / STAGNANT
PARK / GOLF / LAWN / HOME
ATMOSPHERE / DATA PAUCITY

F] MEASUREMENTS

- $\bar{x}$ width
- $\bar{x}$ depth
- max. depth
- $\bar{x}$ bankfull width
- bankfull $\bar{x}$ depth
- W/D ratio
- bankfull max. depth
- floodprone x^2 width
- entrench. ratio

Legacy Tree:

Stream Drawing:



Qualitative Habitat Evaluation Index and Use Assessment Field Sheet

QHEI Score: 59

Stream & Location: West Creek (Downstream Granger Rd) **RM:** 00.20 **Date:** 06/17/16

Scorers Full Name & Affiliation: Matteson (Friedman) Northeast Ohio Regional Sewer District

River Code: _ _ - _ _ - _ _ **STORET #:** _ _ _ _ _ _ **Lat./Long.:** (NAD 83 - decimal °) 41.4145 / 81.6477 Office verified location ☐

1] SUBSTRATE

Check ONLY Two substrate TYPE BOXES; estimate % or note every type present

BEST TYPES	POOL	RIFFLE	OTHER TYPES	POOL	RIFFLE
☐ ☐ BLDR /SLABS [10]	✓		☐ ☐ HARDPAN [4]		
☐ ☐ BOULDER [9]	✓	✓	☐ ☐ DETRITUS [3]		
☐ ☐ COBBLE [8]	✓	✓	☐ ☐ MUCK [2]		
☐ ☐ GRAVEL [7]	✓	✓	☐ ☐ SILT [2]		
☐ ☐ SAND [6]	✓	✓	☐ ☐ ARTIFICIAL [0]	✓	✓
☐ ☐ BEDROCK [5]					

(Score natural substrates; ignore sludge from point-sources)

NUMBER OF BEST TYPES: ☐ 4 or more [2] ☐ 3 or less [0]

Check ONE (Or 2 & average)

ORIGIN	SILT	QUALITY
☐ LIMESTONE [1]		☐ HEAVY [-2]
☐ TILLS [1]		☐ MODERATE [-1]
☐ WETLANDS [0]		☐ NORMAL [0]
☐ HARDPAN [0]		☐ FREE [1]
☐ SANDSTONE [0]	EMBEDDEDNESS	☐ EXTENSIVE [-2]
☐ RIP/RAP [0]		☐ MODERATE [-1]
☐ LACUSTURINE [0]		☐ NORMAL [0]
☐ SHALE [-1]		☐ NONE [1]
☐ COAL FINES [-2]		

Comments 8+7+2+1+0+(-1)

Substrate 17 Maximum 20

2] INSTREAM COVER

Indicate presence 0 to 3: 0-Absent; 1-Very small amounts or if more common of marginal quality; 2-Moderate amounts, but not of highest quality or in small amounts of highest quality; 3-Highest quality in moderate or greater amounts (e.g., very large boulders in deep or fast water, large diameter log that is stable, well developed rootwad in deep / fast water, or deep, well-defined, functional pools.

__ UNDERCUT BANKS [1]	__ POOLS > 70cm [2]	__ OXBOWS, BACKWATERS [1]
__ OVERHANGING VEGETATION [1]	__ ROOTWADS [1]	__ AQUATIC MACROPHYTES [1]
2 SHALLOWS (IN SLOW WATER) [1]	3 BOULDERS [1]	__ LOGS OR WOODY DEBRIS [1]
__ ROOTMATS [1]		

AMOUNT — Check ONE (Or 2 & average)

☐ EXTENSIVE >75% [11]
☐ MODERATE 25-75% [7]
☐ SPARSE 5-<25% [3]
☐ NEARLY ABSENT <5% [1]

Comments 2+5

Cover Maximum 20: 7

3] CHANNEL MORPHOLOGY

Check ONE in each category (Or 2 & average)

SINUOSITY	DEVELOPMENT	CHANNELIZATION	STABILITY
☐ HIGH [4]	☐ EXCELLENT [7]	☐ NONE [6]	☒ HIGH [3]
☐ MODERATE [3]	☐ GOOD [5]	☐ RECOVERED [4]	☐ MODERATE [2]
☐ LOW [2]	☒ FAIR [3]	☐ RECOVERING [3]	☐ LOW [1]
☐ NONE [1]	☒ POOR [1]	☐ RECENT OR NO RECOVERY [1]	

Comments 2+2+ +3

Channel Maximum 20: 10

4] BANK EROSION AND RIPARIAN ZONE

Check ONE in each category for EACH BANK (Or 2 per bank & average)

River right looking downstream

EROSION (L R)	RIPARIAN WIDTH (L R)	FLOOD PLAIN QUALITY (L R)	(L R)
☒ ☒ NONE / LITTLE [3]	☒ ☒ WIDE > 50m [4]	☐ ☐ FOREST, SWAMP [3]	☐ ☐ CONSERVATION TILLAGE [1]
☐ ☐ MODERATE [2]	☐ ☐ MODERATE 10-50m [3]	☒ ☒ SHRUB OR OLD FIELD [2]	☐ ☐ URBAN OR INDUSTRIAL [0]
☐ ☐ HEAVY / SEVERE [1]	☐ ☐ NARROW 5-10m [2]	☐ ☐ RESIDENTIAL, PARK, NEW FIELD [1]	☐ ☐ MINING / CONSTRUCTION [0]
	☐ ☐ VERY NARROW < 5m [1]	☐ ☐ FENCED PASTURE [1]	
	☐ ☐ NONE [0]	☐ ☐ OPEN PASTURE, ROWCROP [0]	

Indicate predominant land use(s) past 100m riparian.

Comments 3+4+2

Riparian Maximum 10: 9

5] POOL / GLIDE AND RIFFLE / RUN QUALITY

MAXIMUM DEPTH	CHANNEL WIDTH	CURRENT VELOCITY	
Check ONE (ONLY!)	Check ONE (Or 2 & average)	Check ALL that apply	
☐ > 1m [6]	☐ POOL WIDTH > RIFFLE WIDTH [2]	☐ TORRENTIAL [-1]	☒ SLOW [1]
☐ 0.7-<1m [4]	☐ POOL WIDTH = RIFFLE WIDTH [1]	☐ VERY FAST [1]	☐ INTERSTITIAL [-1]
☒ 0.4-<0.7m [2]	☒ POOL WIDTH < RIFFLE WIDTH [0]	☒ FAST [1]	☐ INTERMITTENT [-2]
☐ 0.2-<0.4m [1]		☒ MODERATE [1]	☐ EDDIES [1]
☐ < 0.2m [0]			

Indicate for reach - pools and riffles.

Recreation Potential
Primary Contact
Secondary Contact
(circle one and comment on back)

Comments 2+0+3

Pool / Current Maximum 12: 5

Indicate for functional riffles; Best areas must be large enough to support a population of riffle-obligate species: Check ONE (Or 2 & average). ☐ NO RIFFLE [metric=0]

RIFFLE DEPTH	RUN DEPTH	RIFFLE / RUN SUBSTRATE	RIFFLE / RUN EMBEDDEDNESS
☒ BEST AREAS > 10cm [2]	☐ MAXIMUM > 50cm [2]	☒ STABLE (e.g., Cobble, Boulder) [2]	☐ NONE [2]
☐ BEST AREAS 5-10cm [1]	☒ MAXIMUM < 50cm [1]	☐ MOD. STABLE (e.g., Large Gravel) [1]	☐ LOW [1]
☐ BEST AREAS < 5cm [metric=0]		☐ UNSTABLE (e.g., Fine Gravel, Sand) [0]	☒ MODERATE [0]
			☐ EXTENSIVE [-1]

Comments 2+1+2+0

Riffle / Run Maximum 8: 5

6] GRADIENT

(5.4 ft/mi) DRAINAGE AREA (13.2 mi²)

☑ VERY LOW - LOW [2-4]
☐ MODERATE [6-10]
☐ HIGH - VERY HIGH [10-6]

%POOL: ( ) %GLIDE: ( )
%RUN: ( ) %RIFFLE: ( )

Gradient Maximum 10: 6

A] SAMPLED REACH

Check ALL that apply

METHOD

- ☐ BOAT
- ☐ WADE
- ☐ L. LINE
- ☐ OTHER

STAGE

1st -sample pass- 2nd

- ☐ HIGH ☐
- ☐ UP ☐
- ☐ NORMAL ☐
- ☐ LOW ☐
- ☐ DRY ☐

DISTANCE

- ☐ 0.5 Km
- ☐ 0.2 Km
- ☐ 0.15 Km
- ☐ 0.12 Km
- ☐ OTHER

_____ meters

CLARITY

1st --sample pass-- 2nd

- ☐ < 20 cm ☐
- ☐ 20-<40 cm ☐
- ☐ 40-70 cm ☐
- ☐ > 70 cm/ CTB ☐
- ☐ SECCHI DEPTH ☐

CANOPY

- ☐ > 85%- OPEN
- ☐ 55%-<85%
- ☐ 30%-<55%
- ☐ 10%-<30%
- ☐ <10%- CLOSED

1st pass _____ cm

2nd _____ cm

Comment RE: Reach consistency/ Is reach typical of steam?, *Recreation/* Observed - Inferred, *Other/* Sampling observations, Concerns, Access directions, etc.

B] AESTHETICS

- ☐ NUISANCE ALGAE
- ☐ INVASIVE MACROPHYTES
- ☐ EXCESS TURBIDITY
- ☐ DISCOLORATION
- ☐ FOAM / SCUM
- ☐ OIL SHEEN
- ☐ TRASH / LITTER
- ☐ NUISANCE ODOR
- ☐ SLUDGE DEPOSITS
- ☐ CSOs/SSOs/OUTFALLS

C] RECREATION

	AREA	DEPTH
POOL:	☐ >100ft²	☐ >3ft

D] MAINTENANCE

Circle some & *COMMENT*

PUBLIC / PRIVATE / BOTH / NA
ACTIVE / HISTORIC / BOTH / NA
YOUNG-SUCCESSION-OLD
SPRAY / SNAG / REMOVED
MODIFIED / DIPPED OUT / NA
LEVEED / ONE SIDED
RELOCATED / CUTOFFS
MOVING-BEDLOAD-STABLE
ARMOURED / SLUMPS
ISLANDS / SCOURED
IMPOUNDED / DESICCATED
FLOOD CONTROL / DRAINAGE

E] ISSUES

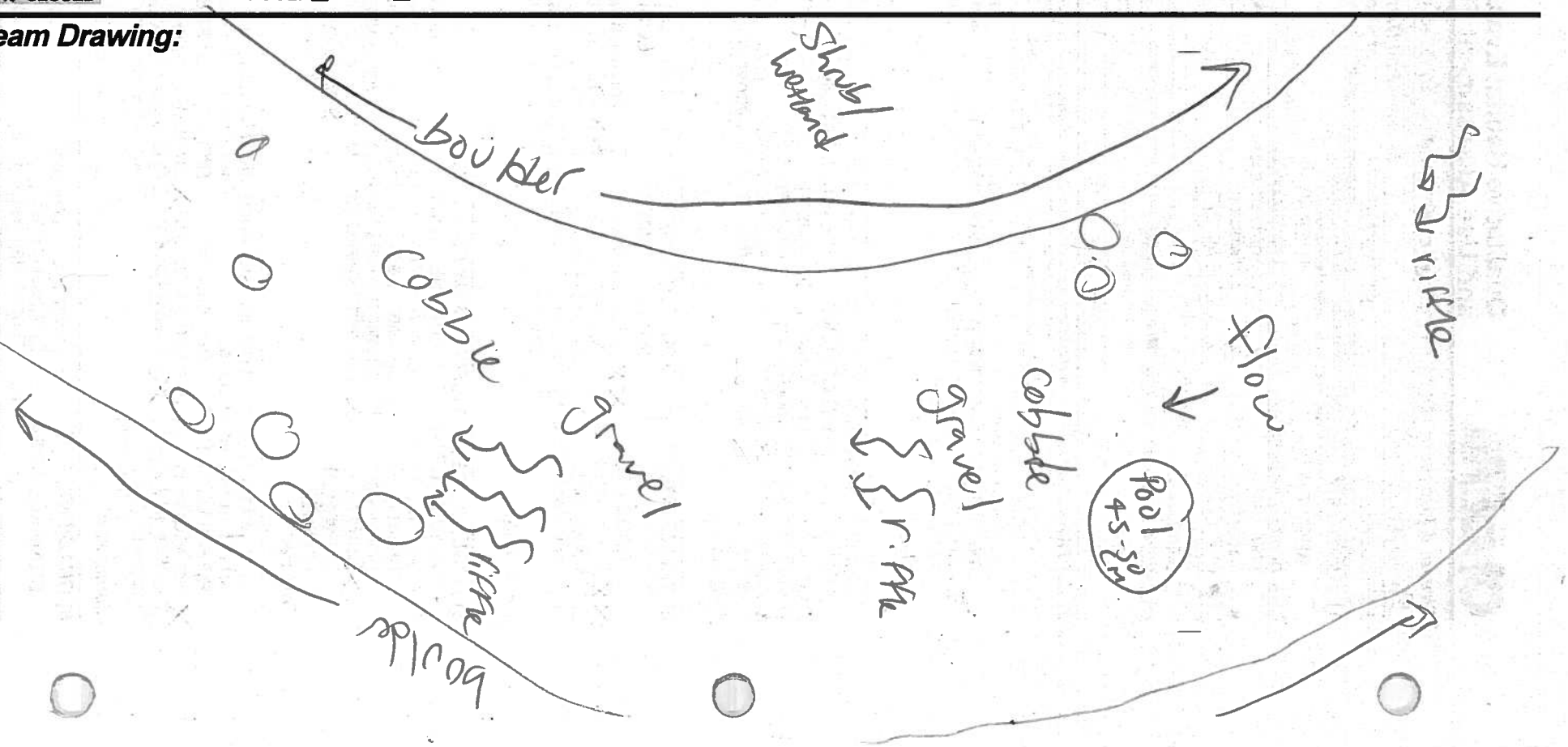
WWTP / CSO / NPDES / INDUSTRY
HARDENED / URBAN / DIRT&GRIME
CONTAMINATED / LANDFILL
BMPs-CONSTRUCTION-SEDIMENT
LOGGING / IRRIGATION / COOLING
BANK / EROSION / SURFACE
FALSE BANK / MANURE / LAGOON
WASH H_2O / TILE / H_2O TABLE
ACID / MINE / QUARRY / FLOW
NATURAL / WETLAND / STAGNANT
PARK / GOLF / LAWN / HOME
ATMOSPHERE / DATA PAUCITY

F] MEASUREMENTS

- $\bar{x}$ width
- $\bar{x}$ depth
- max. depth
- $\bar{x}$ bankfull width
- bankfull $\bar{x}$ depth
- W/D ratio
- bankfull max. depth
- floodprone x^2 width
- entrench. ratio

Legacy Tree:

Stream Drawing:



Attachment D

2016 Macroinvertebrate Field Sheets and Results

NEORSD Macroinvertebrate Field Sheet

Stream: Big Creek River Mile: 4.40 Year: 2016

Location: Memphis/Tiedeman Park Project: Big Creek

Drainage Area (mi²): 19.30 Latitude (°N)/Longitude (°W): 41.445891 / -81.753977

Site Type: (WWH) EWH Coldwater Lacustuary Other: _____ *Eco-Region:* EOLP

Hester-Dendy Deployment Information

Install Date: 07/21/2016 Crew (QDC Circled): (J. Rhoades) N. Velez

Current at HD (fps): 1.5 Depth (cm): 15 Pictures Obtained: (Yes) No

Replicate/Reinstall Date: _____ Crew (QDC Circled): _____

Current (fps): _____ Depth (cm): _____ Reason: _____

Sampling/Retrieval Information

Sampling Method: Hester-Dendy (Dipnet) Ekman (6x6) Other: _____

Sampling Date: 9/2/16 Crew (QDC Circled): (Knitte) Meany

OEPA Comment Field Codes: _____ Water Temp: _____ °C / °F

HD Condition- *Current (fps):* _____ *Depth (cm):* _____ *Comments:* _____

Number of HD Blocks Obtained: _____

Disturbed: Yes No *Debris:* Yes No

Silt/Solids: None Slight Moderate Heavy *Sample ID:* _____

Replicate: *Current (fps):* _____ *Depth (cm):* _____ *Comments:* _____

Number of HD Blocks Obtained: _____

Disturbed: Yes No *Debris:* Yes No

Silt/Solids: None Slight Moderate Heavy *Sample ID:* _____

Dipnet- Time Sampled (min): 50 X *Number of Crew:* 2 = Total (min): 100

Start Time: 0950 *End Time:* 1040 *Sample ID:* 160064

Habitats Sampled: Pool (Riffle) Run (Margin) Backwater

River Sampling Conditions

Weather: Clear Partly Cloudy (Overcast) Light Rain Other: _____

Canopy (over HD): (Open) 75 % 50 % 25 % Closed

Flow Condition: Dry Intermittent Interstitial Low (Normal) Above Normal Flood

Current Velocity: Non-detect (Slow) (Moderate) Fast upstream of main riffle

Channel Morphology: (Natural) Channelized (Channelized (Recovered)) Impounded

Bank Erosion: None Slight (Moderate) Extensive

Water Clarity: Clear (Muddy) Tea Milky Other: _____

Water Color: None Green (Brown) Grey Other: _____

Evidence of Pollution: _____

Potential Pollution Sources: _____

Comment Section: HD believed to be missing at retrieval time. -JK

Samples Analyzed By: Bert Remley QDC #: 00837 Date: 10/19/16

Company/Entity: Third Rock Consultants, Inc.

NEORSD Macroinvertebrate Field Sheet

Physical Characteristics

Substrate Characteristics

	Riffle	Units	~~Run~~	Units	~~Pool~~	Units
Bedrock	✓					
Boulder	✓					
Cobble/Rubble	✓					
Gravel – Course	✓					
Gravel – Fine	✓					
Sand	✓					
Silt						
Clay/Hardpan						
Detritus						
Peat						
Muck						
Other						
Macrophytes						
Algae						
Artifacts	✓					
Compaction (F,M,S)	F					
Depth (Avg)	6 in					
Width (Avg)	10ft					

Cobble is up to 10 in; Coarse Gravel; Fine Gravel; sand

Predominant Land Use (Indicate *Left*, *Right* or *Both*)

Forest	Urban	Open Pasture
Shrub	Residential/Park B	Closed Pasture
Old Field	Mining/Construction	Wetland
Rowcrop	Industrial	Other _____

Predominant Riparian Vegetation

Left	*Right*	*Type*
		Large Trees
	✓	Small Trees
✓		Shrubs
		Grass/Weeds
		None
		Riparian Width

Riffle Habitat

Embedded: Yes No

Development:

	Extensive
✓	Moderate
	Sparse
	Absent

Quality: Good Fair Poor

Margin Habitat

Margin Quality: Good Fair Poor _____ %

Types Present:

Root Mats	Undercut Banks	Rip Rap
Tree Roots	Shallows	Bulkhead
Woody Debris	Soft Clay	
Macrophytes/Grass	Other _____	

Biological Characteristics

Overall Collection

(V=>151; A= 150-101; C= 100-11; R= 10-1)

Est. Amt	
/	Porifera, Bryozoa
C-R/C-	Turbellaria, Oligochaeta, Hirudinea
C-/R	Isopoda, Amphipoda
/	Decapoda, Hydracarina
	Ephemeroptera
C+	Baetidae
/ /	Heptageniidae, Leptohyphidae, Caenidae
	Other _____
/C	Zygoptera, Anisoptera
	Plecoptera
	Hemiptera
/	Megaloptera, Neuroptera
	Trichoptera
C-	Hydropsychidae
/	Hydroptilidae, Leptoceridae
	Other _____
	Coleoptera
R	Elimidae
	Other _____
	Diptera
C	Chironomidae
R/R	Tipulidae, Simuliidae
R	Other mollusks
/	Gastropoda, Bivalvia
	Other _____

V= Very Abundant; A= Abundant; C= Common; R= Rare

Habitat Specific Organisms

Riffle: _____ %
Predominant Organism: Baetids, caddis
Other Common Organisms: Flatheads
Density: High Moderate Low
Diversity: High Moderate Low

Run: _____ %
Predominant Organism: _____
Other Common Organisms: _____
Density: High Moderate Low
Diversity: High Moderate Low

Pool: _____ %
Predominant Organism: _____
Other Common Organisms: _____
Density: High Moderate Low
Diversity: High Moderate Low

Margin:
Predominant Organism: Damsels, snowbugs
Other Common Organisms: _____
Density: High Moderate Low
Diversity: High Moderate Low

Other Notable Collections: _____

Field Narrative Rating: E VG G MG F P VP

Last Modified 10/21/15

NEORSD Macroinvertebrate Field Sheet

Stream: Big Creek River Mile: 0.15 Year: 2016

Location: DS Tennings Project: 2016 Big Creek Environ Monitoring

Drainage Area (mi²): 37.10 Latitude (°N)/Longitude (°W): 41.4460, -81.6865

Site Type: WWH EWH Coldwater Lacustuary Other: _____ *Eco-Region:* EOLA

Hester-Dendy Deployment Information

Install Date: 07-21-16 @ 1102 Crew (QDC Circled): R. Mackle D. Phillips

Current at HD (fps): 0.41 Depth (cm): Surface Pictures Obtained: Yes No

Replicate/Reinstall Date: 8/3/16 Crew (QDC Circled): J. Knittle D. Friedman

Current (fps): 0.52 Depth (cm): 17 Reason: blown out

Sampling/Retrieval Information

Sampling Method: Hester-Dendy Dipnet Ekman (6x6) Other: _____

Sampling Date: ~~09/16~~ 9/19/16 Crew (QDC Circled): E. Soehnlen N. Aron

OEPA Comment Field Codes: _____ Water Temp: 21.4 °C / °F

HD Condition- *Current (fps):* _____ *Depth (cm):* _____ *Comments:* HD lost

Number of HD Blocks Obtained: 0

Disturbed: Yes No *Debris:* Yes No

Silt/Solids: None Slight Moderate Heavy *Sample ID:* _____

Replicate: *Current (fps):* _____ *Depth (cm):* _____ *Comments:* _____

Number of HD Blocks Obtained: _____

Disturbed: Yes No *Debris:* Yes No

Silt/Solids: None Slight Moderate Heavy *Sample ID:* _____

Dipnet- Time Sampled (min): 35 X *Number of Crew:* 2 = Total (min): 70

Start Time: 1:50 *End Time:* 2:25 *Sample ID:* _____

Habitats Sampled: Pool Riffle Run Margin Backwater

River Sampling Conditions

Weather:	Clear	Partly Cloudy	Overcast	Light Rain	Other: _____
Canopy (over HD):	Open	75 %	50 %	25 %	Closed
Flow Condition:	Dry	Intermittent	Interstitial	Low	Normal Above Normal Flood
Current Velocity:	Non-detect	Slow	Moderate	Fast	
Channel Morphology:	Natural	Channelized	Channelized (Recovered)	Impounded	
Bank Erosion:	None	Slight	Moderate	Extensive	
Water Clarity:	Clear	Muddy	Tea	Milky	Other: _____
Water Color:	None	Green	Brown	Grey	Other: _____

Evidence of Pollution: _____

Potential Pollution Sources: _____

Comment Section: Just DS of Outfall; center of Creek

Samples Analyzed By: Bert Remley QDC #: 00837 Date: 10/4/16

Company/Entity: Third Rock Consultants, Inc.

NEORSD Macroinvertebrate Field Sheet

No Riffle

Substrate Characteristics

	Riffle	Units	Run	Units	Pool	Units
Bedrock						
Boulder						
Cobble/Rubble			X			
Gravel – Course			X		X	
Gravel – Fine			X		X	
Sand			X		X	
Silt			X		X	
Clay/Hardpan						
Detritus			X		X	
Peat						
Muck					X	
Other						
Macrophytes						
Algae						
Artifacts			X		X	
Compaction (F,M,S)			F		S	
Depth (Avg)			1'		5'	
Width (Avg)			15'		10'	

Cobble (5 up to 10 in) / Coarse Gravel / Fine Gravel / Silt

Physical Characteristics

Predominant Land Use (Indicate *Left*, *Right* or *Both*)

Forest	Urban	Open Pasture
Shrub	Residential/Park	Closed Pasture
Old Field	Mining/Construction	Wetland
Rowcrop	Industrial Both	Other _____

Predominant Riparian Vegetation

Left	Right	Type
		Large Trees
		Small Trees
X		Shrubs
	X	Grass/Weeds
		None
		Riparian Width

Riffle Habitat

Embedded: Yes No N/A

Development: Extensive / Moderate / Sparse / Absent

Quality: Good Fair Poor

Margin Habitat

Margin Quality: Good Fair Poor _____ %

Types Present:

Root Mats	Undercut Banks	Rip Rap
Tree Roots	Shallows	Bulkhead
Woody Debris	Soft Clay	
Macrophytes/Grass	Other _____	

Biological Characteristics

Overall Collection

Est. Amt	(V=>151; A= 150-101; C= 100-11; R= 10-1)
	Porifera, Bryozoa
R C R	Turbellaria, Oligochaeta, Hirudinea
C R	Isopoda, Amphipoda
	Decapoda, Hydracarina
	Ephemeroptera
C	Baetidae
	Heptageniidae, Leptohyphidae, Caenidae
	Other _____
	Zygoptera, Anisoptera
	Plecoptera
	Hemiptera
	Megaloptera, Neuroptera
	Trichoptera
R-	Hydropsychidae
	Hydroptilidae, Leptoceridae
	Other _____
	Coleoptera
	Elimidae
	Other _____
	Diptera
C-	Chironomidae
R-	Tipulidae, Simuliidae
	Other _____
	Gastropoda, Bivalvia
R	Other Horsehair Worm

V= Very Abundant; A= Abundant; C= Common; R= Rare

Habitat Specific Organisms

Riffle: _____ %
- Predominant Organism: _____
- Other Common Organisms: _____
- Density: High Moderate Low
- Diversity: High Moderate Low

Run: 50 %
- Predominant Organism: Baetidae
- Other Common Organisms: _____
- Density: High Moderate Low
- Diversity: High Moderate Low

Pool: 50 %
- Predominant Organism: Chironomidae
- Other Common Organisms: _____
- Density: High Moderate Low
- Diversity: High Moderate Low

Margin:
- Predominant Organism: isopoda
- Other Common Organisms: _____
- Density: High Moderate Low
- Diversity: High Moderate Low

Other Notable Collections: _____

Field Narrative Rating: E VG G MG F P VP

Last Modified 10/21/15

NEORSD Macroinvertebrate Field Sheet

Stream: Cuyahoga River River Mile: 12.10 Year: 2016

Location: US Mill Creek Project: 2016 Cuyahoga River Monitoring NEORSD

Drainage Area (mi^2): 709 Latitude (°N)/Longitude (°W): 41.4101 - 81.6346

Hester-Dendy Deployment Information

Install Date: 08/03/16 Crew (QDC Circled): E. Soehnlen / N. Velez

Current at HD (fps): 0.82 Depth (cm): 30 Pictures Obtained: Yes No

Reinstall Date: Crew (QDC Circled):

Current (fps): Depth (cm): Reason:

Reinstall Date: Crew (QDC Circled):

Current (fps): Depth (cm): Reason:

Sampling/Retrieval Information

Sampling Method: Hester-Dendy Dipnet Surber Core Other:

Sample ID: HD: Qualitative: Other:

Sampling Date: 9/16/16 Crew (QDC Circled): Knittle / Ann

HD Condition- Current (fps): 1.53 Depth (cm): 25 Water Temp: °F / °C

Number of HD Blocks Obtained: 5 Remarks:

Disturbed: Yes No Comments:

Debris: Yes No Comments: twigs, leaves

Silt/Solids: None Slight Moderate Heavy

Dipnet- Time Sampled (min): 105 X Number of Crew: 2 = Total (min): 130

Habitats Sampled: Pool Riffle Run Margin Backwater

River Sampling Conditions

Flow Condition:	Flood	Above Normal	Normal	Low	Interstitial	Intermittent	Dry
Current Velocity:	Fast	Moderate	Slow	Non-detect			
Channel Morphology:	Natural	Channelized	Channelized (Recovered)		Impounded		
Bank Erosion:	Extensive	Moderate	Slight	None			
Riffle Development:	Extensive	Moderate	Sparse	Absent			
Riffle Quality:	Good	Fair	Poor		*Embedded:*	Yes	No
Water Clarity:	Clear	Murky	Turbid		Other:		
Water Color:	None	Green	Brown	Grey	Other:		
Canopy over HD:	Open	75 %	50 %	25 %	Closed		

Comment Section: 2 Replicates installed here flows 0.95, 0.73 depths 25, 20

OEPA Comment Field Codes:

Samples Analyzed By: Bert Remley QDC #: 00837 Date: 11/7/16

Third Rock Consultants, Inc.

Last Modified 01/31/13

Physical Characteristics

Substrate Characteristics

	Pool	Units	Riffle	Units	Run	Units
Bedrock						
Boulder						
Rubble						
Coarse Gravel					✓	
Fine Gravel					✓	
Sand					✓	
Silt					✓	
Clay/Hardpan					✓	
Detritus					✓	
Peat						
Muck						
Other						
Macrophytes						
Algae						
Artifacts					✓	
Compaction (F,M,S)					M	
Depth (Avg)					12m	
Width (Avg)					[illegible]	

Predominant Land Use (Left, Right or Both)

Forest	Urban	Open Pasture
Shrub	Residential/Park	Closed Pasture
Old Field	Mining/Construction	
Rowcrop	Wetland	
Industrial	Other	

Predominant Riparian Vegetation

Left	Right	Type
		Large Trees
✓	✓	Small Trees
✓		Shrubs
		Grass/Weeds
		None

Margin Habitat

Margin Quality: Good Fair Poor

Undercut Banks	Root Mats	Tree Roots
Grass	Water Willow	Woody Debris
Shallows	Clay/Hardpan	Macrophytes
Rip Rap	Bulkhead	
Other		

Biological Characteristics

Riffle:

Predominant Organism:

Other Common Organisms:

Density: High Moderate Low

Diversity: High Moderate Low

Run:

Predominant Organism: Baetids

Other Common Organisms: Heptagenidae, Chiron

Density: High Moderate Low

Diversity: High Moderate Low

Pool:

Predominant Organism:

Other Common Organisms:

Density: High Moderate Low

Diversity: High Moderate Low

Margin:

Predominant Organism: Baetids, Elmidae

Other Common Organisms: Chironomids

Density: High Moderate Low

Diversity: High Moderate Low

Other Notable Collections:

V= Very Abundant; A= Abundant; C= Common; R= Rare

Overall Amount (V= >151; A= 150-101; C= 100-11; R= 10-1)	
/	Porifera, Bryozoa
R/R/	Turbellaria, Oligochaeta, Hirudinea
R-/R	Isopoda, Amphipoda
/R	Decapoda, Hydracarina
	Ephemeroptera
C	Baetidae
C/ /	Heptageniidae, Leptohyphidae, Caenidae
R	Other MISC
R/	Zygoptera, Anisoptera
	Plecoptera
	Hemiptera
/	Megaloptera, Neuroptera
	Trichoptera
C—	Hydropsychidae
/R	Hydroptilidae, Leptoceridae
R	Other MISC
	Coleoptera
C—	Elimidae
	Other
	Diptera
C	Chironomidae
	Other
/C—	Gastropoda, Bivalvia
	Other

Field Narrative Rating: E VG G MG F P VP

Last Modified 01/31/13

NEORSD Macroinvertebrate Field Sheet

Stream: Cuyahoga River River Mile: 7.00 Year: 2016

Location: DS of Big Creek Project: 2016 Cuyahoga River Monitoring NEORSD

Drainage Area (mi^2): 786 Latitude (°N)/Longitude (°W): 41.4497/-81.6815

Hester-Dendy Deployment Information

Install Date: 08/03/16 Crew (QDC Circled): E. Soehnlen / N. Velez

Current at HD (fps): 0.77 Depth (cm): 24 Pictures Obtained: Yes No

Reinstall Date: Crew (QDC Circled):

Current (fps): Depth (cm): Reason:

Reinstall Date: Crew (QDC Circled):

Current (fps): Depth (cm): Reason:

Sampling/Retrieval Information

Sampling Method: Hester-Dendy Dipnet Surber Core Other:

Sample ID: HD: Qualitative: Other:

Sampling Date: 9/14/16 Crew (QDC Circled): J. Knittle / N. Aron

HD Condition- Current (fps): 1.43 Depth (cm): 16 Water Temp: 21.5 °F / °C

Number of HD Blocks Obtained: 5 Remarks:

Disturbed: Yes No Comments:

Debris: Yes No Comments:

Silt/Solids: None Slight Moderate Heavy

Dipnet- Time Sampled (min): 50 X Number of Crew: 2 = Total (min): 100

Habitats Sampled: Pool Riffle Run Margin Backwater

River Sampling Conditions

Flow Condition:	Flood	Above Normal	Normal	Low	Interstitial	Intermittent	Dry
Current Velocity:	Fast	Moderate	Slow	Non-detect			
Channel Morphology:	Natural	Channelized	Channelized (Recovered)		Impounded		
Bank Erosion:	Extensive	Moderate	Slight	None			
Riffle Development:	Extensive	Moderate	Sparse	Absent			
Riffle Quality:	Good	Fair	Poor		*Embedded:*	Yes	No
Water Clarity:	Clear	Murky	Turbid		Other:		
Water Color:	None	Green	Brown	Grey	Other:		
Canopy over HD:	Open	75 %	50 %	25 %	Closed		

Comment Section:

OEPA Comment Field Codes:

Samples Analyzed By: Bert Remley QDC #: 00837 Date: 11/18/16

Third Rock Consultants, Inc.

Physical Characteristics

Substrate Characteristics

	Pool	Units	Riffle	Units	Run	Units
Bedrock						
Boulder						
Rubble	✓		✓		✓	
Coarse Gravel	✓		✓		✓	
Fine Gravel	✓		✓		✓	
Sand	✓		✓		✓	
Silt	✓		✓		✓	
Clay/Hardpan						
Detritus						
Peat						
Muck						
Other						
Macrophytes						
Algae						
Artifacts	✓		✓		✓	
Compaction (F,M,S)	M		M		M	
Depth (Avg)	4ft		4in		2ft	
Width (Avg)	8ft		3ft		15ft	

Predominant Land Use (Left, Right or Both)

Forest	Urban	Open Pasture
Shrub	Residential/Park	Closed Pasture
Old Field	Mining/Construction	
Rowcrop	Wetland	
Industrial B	Other	

Predominant Riparian Vegetation

Left	Right	Type
✓	✓	Large Trees
		Small Trees
		Shrubs
		Grass/Weeds
		None

Margin Habitat

Margin Quality: Good Fair Poor

Undercut Banks	Root Mats	Tree Roots
Grass	Water Willow	Woody Debris
Shallows	Clay/Hardpan	Macrophytes
Rip Rap	Bulkhead	
Other		

Biological Characteristics

Riffle:
- Predominant Organism: Baetids
- Other Common Organisms: Hydro / Hept.
- Density: High Moderate Low
- Diversity: High Moderate Low

Run:
- Predominant Organism: Chironomidae
- Other Common Organisms:
- Density: High Moderate Low
- Diversity: High Moderate Low

Pool:
- Predominant Organism: Chironomidae
- Other Common Organisms:
- Density: High Moderate Low
- Diversity: High Moderate Low

Margin:
- Predominant Organism: Baetids
- Other Common Organisms:
- Density: High Moderate Low
- Diversity: High Moderate Low

Other Notable Collections:

V= Very Abundant; A= Abundant; C= Common; R= Rare

Overall Amount (V=>151; A=150-101; C=100-11; R=10-1)	
R/R	Porifera, Bryozoa
/ /R	Turbellaria, Oligochaeta, Hirudinea
R/	Isopoda, Amphipoda
R/	Decapoda, Hydracarina
	Ephemeroptera
C –	Baetidae
C/ /	Heptageniidae, Leptohyphidae, Caenidae
	Other
R/	Zygoptera, Anisoptera
	Plecoptera
	Hemiptera
/	Megaloptera, Neuroptera
	Trichoptera
C–	Hydropsychidae
/R	Hydroptilidae, Leptoceridae
	Other
	Coleoptera
R	Elimidae
	Other
	Diptera
C	Chironomidae
	Other
/	Gastropoda, Bivalvia
	Other

Field Narrative Rating: E VG G MG F P VP

NEORSD Macroinvertebrate Field Sheet

Stream: Doan Brook River Mile: 6.70 Year: 2016

Location: Lee Road Project: 2016 Doan Brook Env. Mon.

Drainage Area (mi^2): 1.20 Latitude (°N)/Longitude (°W): 41.48382 -81.56460

Site Type: (WWH) EWH Coldwater Lacustuary Other: _____ *Eco-Region:* EOLP

Hester-Dendy Deployment Information

Install Date: 6/15/16 Crew (QDC Circled): (E. Soehnlen) D. Phillips

Current at HD (fps): 0.02 Depth (cm): 2.5 Pictures Obtained: (Yes) No

Replicate/Reinstall Date: _____ Crew (QDC Circled): _____

Current (fps): _____ Depth (cm): _____ Reason: _____

Sampling/Retrieval Information

Sampling Method: (Hester-Dendy) (Dipnet) Ekman (6x6) Other: _____

Sampling Date: 7/28/16 @ 1300 Crew (QDC Circled): (E. Mackie) D. Phillips S. Foley B. Boggan

OEPA Comment Field Codes: _____ Water Temp: 22.4 (°C)/ °F

HD Condition- *Current (fps):* 0.03 *Depth (cm):* 2.5 *Comments:* _____

Number of HD Blocks Obtained: 5

Disturbed: (Yes) No *Debris:* (Yes) No Rocks

Silt/Solids: None (Slight) Moderate Heavy *Sample ID:* 16H007

Replicate: *Current (fps):* _____ *Depth (cm):* _____ *Comments:* _____

Number of HD Blocks Obtained: _____

Disturbed: Yes No *Debris:* Yes No

Silt/Solids: None Slight Moderate Heavy *Sample ID:* _____

Dipnet- Time Sampled (min): 30 X *Number of Crew:* 3 = Total (min): 90

Start Time: 1300 *End Time:* 1340 *Sample ID:* 16Q008

Habitats Sampled: (Pool) (Riffle) (Run) (Margin) Backwater

River Sampling Conditions

Weather:	Clear	Partly Cloudy	(Overcast)	Light Rain	Other:		
Canopy (over HD):	Open	75 %	50 %	(25 %)	Closed		
Flow Condition:	Dry	Intermittent	Interstitial	Low	(Normal)	Above Normal	Flood
Current Velocity:	Non-detect	(Slow)	Moderate	Fast			
Channel Morphology:	(Natural)	Channelized	Channelized (Recovered)	Impounded			
Bank Erosion:	None	Slight	Moderate	(Extensive)			
Water Clarity:	(Clear)	(Muddy)	Tea	Milky	Other:		
Water Color:	(None)	Green	Brown	Grey	Other:		

Evidence of Pollution: _____

Potential Pollution Sources: _____

Comment Section: _____

Samples Analyzed By: Bert Remley QDC #: 00837 Date: 8/4/16

Company/Entity: Third Rock Consultants, Inc.

NEORSD Macroinvertebrate Field Sheet

Physical Characteristics

Substrate Characteristics

Cobble is up to 10 in; Coarse Gravel; Fine Gravel

	Riffle	Units	Run	Units	Pool	Units
Bedrock						
Boulder						
Cobble/Rubble	✓		✓		✓	
Gravel – Course	✓		✓		✓	
Gravel – Fine	✓				✓	
Sand	✓		✓		✓	
Silt	✓		✓		✓	
Clay/Hardpan	✓		✓		✓	
Detritus						
Peat						
Muck						
Other						
Macrophytes						
Algae	✓		✓		✓	
Artifacts	✓		✓		✓	
Compaction (F,M,S)	M		M		M	
Depth (Avg)	1	in	5	in	8	in
Width (Avg)	2	ft	3	ft	5	ft

Predominant Land Use (Indicate *Left*, *Right* or *Both*)

Forest	Urban	Open Pasture
Shrub	Residential/Parks	Closed Pasture
Old Field	Mining/Construction	Wetland
Rowcrop	Industrial	Other _____

Predominant Riparian Vegetation

Left	*Right*	*Type*
		Large Trees
✓	✓	Small Trees
		Shrubs
✓	✓	Grass/Weeds
		None
		Riparian Width

Riffle Habitat

Embedded: Yes No

Development:

	Extensive
	Moderate
✓	Sparse
	Absent

Quality: Good Fair Poor

Margin Habitat

Margin Quality: Good Fair Poor <5 %

Types Present:

Root Mats	Undercut Banks	Rip Rap
Tree Roots	Shallows	Bulkhead
Woody Debris	Soft Clay	
Macrophytes/Grass	Other _____	

Biological Characteristics

Overall Collection

(V=>151; A= 150-101; C= 100-11; R= 10-1)

Est. Amt	
	Porifera, Bryozoa
R	Turbellaria, Oligochaeta, Hirudinea
	Isopoda, Amphipoda
R	Decapoda, Hydracarina
	Ephemeroptera
	Baetidae
	Heptageniidae, Leptohyphidae, Caenidae
	Other _____
R	Zygoptera, Anisoptera
	Plecoptera
	Hemiptera
	Megaloptera, Neuroptera
	Trichoptera
	Hydropsychidae
	Hydroptilidae, Leptoceridae
	Other _____
	Coleoptera
	Elimidae
	Other _____
	Diptera
	Chironomidae
	Tipulidae, Simuliidae
	Other _____
R?	Gastropoda, Bivalvia
	Other _____

V= Very Abundant; A= Abundant; C= Common; R= Rare

Habitat Specific Organisms

Riffle: 25 %
- Predominant Organism: Flat worms
- Other Common Organisms: _____
- Density: High Moderate Low
- Diversity: High Moderate Low

Run: 25 %
- Predominant Organism: Midges
- Other Common Organisms: _____
- Density: High Moderate Low
- Diversity: High Moderate Low

Pool: 50 %
- Predominant Organism: worms
- Other Common Organisms: _____
- Density: High Moderate Low
- Diversity: High Moderate Low

Margin:
- Predominant Organism: Flat worms
- Other Common Organisms: _____
- Density: High Moderate Low
- Diversity: High Moderate Low

Other Notable Collections: _____

Field Narrative Rating: E VG G MG F P VP

Last Modified 10.21.15

NEORSD Macroinvertebrate Field Sheet

Stream: Doan Brook River Mile: 0.75 Year: 2016

Location: Downstream St. Clair Project: 2016 Doan Brook Env. Mon.

Drainage Area (mi^2): 9.10 Latitude (°N)/Longitude (°W): 41.53303 -81.62950

Site Type: WWH EWH Coldwater Lacustuary Other: _____ *Eco-Region:* EOLP

Hester-Dendy Deployment Information

Install Date: 06/15/16 Crew (QDC Circled): E. Soehnlen D. Phillips

Current at HD (fps): 0.06 Depth (cm): 18cm Pictures Obtained: Yes No

Replicate/Reinstall Date: _____ Crew (QDC Circled): _____

Current (fps): _____ Depth (cm): 10 Reason: _____

Sampling/Retrieval Information

Sampling Method: Hester-Dendy Dipnet Ekman (6x6) Other: _____

Sampling Date: 7/28/16 @ 9:01am Crew (QDC Circled): R. Marhle, D. Phillips, B. Boggan, S. Foley

OEPA Comment Field Codes: _____ Water Temp: 21.6 °C °F

HD Condition- *Current (fps):* 0.17 *Depth (cm):* 10 *Comments:* _____

Number of HD Blocks Obtained: 5

Disturbed: Yes No *Debris:* Yes No

Silt/Solids: None Slight Moderate Heavy *Sample ID:* 16H003

Replicate: *Current (fps):* _____ *Depth (cm):* _____ *Comments:* _____

Number of HD Blocks Obtained: _____

Disturbed: Yes No *Debris:* Yes No

Silt/Solids: None Slight Moderate Heavy *Sample ID:* _____

Dipnet- Time Sampled (min): 40 X *Number of Crew:* 3 = Total (min): 120

Start Time: 9:10am *End Time:* 9:50am *Sample ID:* 16Q004

Habitats Sampled: Pool Riffle Run Margin Backwater

River Sampling Conditions

Weather:	Clear	Partly Cloudy	Overcast	Light Rain	Other: _____
Canopy (over HD):	Open	75 %	50 %	25 %	Closed
Flow Condition:	Dry	Intermittent	Interstitial	Low	Normal Above Normal Flood
Current Velocity:	Non-detect	Slow	Moderate	Fast	
Channel Morphology:	Natural	Channelized	Channelized (Recovered)	Impounded	
Bank Erosion:	None	Slight	Moderate	Extensive	
Water Clarity:	Clear	Muddy	Tea	Milky	Other: _____
Water Color:	None	Green	Brown	Grey	Other: _____

Evidence of Pollution: Trash

Potential Pollution Sources: Urban Run off

Comment Section: _____

Samples Analyzed By: Bert Remley QDC #: 00837 Date: 8/8/16

Company/Entity: Third Rock Consultants, Inc.

NEORSD Macroinvertebrate Field Sheet

Physical Characteristics

Substrate Characteristics

Cobble is up to 10 in

		Riffle	Units	Run	Units	Pool	Units
Bedrock				✓			
Boulder				✓		✓	
Cobble/Rubble				✓		✓	
Gravel	Course			✓		✓	
	Fine						
Sand				✓		✓	
Silt				✓		✓	
Clay/Hardpan							
Detritus							
Peat							
Muck							
Other							
Macrophytes							
Algae				✓		✓	
Artifacts				✓		✓	
Compaction (F,M,S)				M		M	
Depth (Avg)				6 in		12 in	
Width (Avg)				4 ft		6 ft	

Coarse Gravel

Fine Gravel

Predominant Land Use (Indicate *Left*, *Right* or *Both*)

Forest	Urban	Open Pasture
Shrub	Residential/Park (B)	Closed Pasture
Old Field	Mining/Construction	Wetland
Rowcrop	Industrial	Other _____

Predominant Riparian Vegetation

Left	*Right*	*Type*
		Large Trees
	✓	Small Trees
		Shrubs
✓		Grass/Weeds
		None
		Riparian Width

Riffle Habitat

Embedded: Yes No

Development:

	Extensive
	Moderate
	Sparse
✓	Absent

Quality: Good Fair Poor

Margin Habitat

Margin Quality: Good Fair (Poor) 50 %

Types Present:

Root Mats	Undercut Banks	Rip Rap
Tree Roots	Shallows	(Bulkhead)
Woody Debris	Soft Clay	
Macrophytes/Grass	Other _____	

Biological Characteristics

Overall Collection

Est. Amt	(V=>151; A=150-101; C=100-11; R=10-1)
R	Porifera, Bryozoa
R+ R R	Turbellaria, Oligochaeta, Hirudinea
	Isopoda, Amphipoda
	Decapoda, Hydracarina
	Ephemeroptera
	Baetidae
	Heptageniidae, Leptohyphidae, Caenidae
	Other _____
	Zygoptera, Anisoptera
	Plecoptera
	Hemiptera
	Megaloptera, Neuroptera
	Trichoptera
	Hydropsychidae
	Hydroptilidae, Leptoceridae
	Other _____
	Coleoptera
	Elimidae
	Other _____
	Diptera
R+	Chironomidae
	Tipulidae, Simuliidae
	Other _____
R?	Gastropoda, Bivalvia
	Other _____

V= Very Abundant; A= Abundant; C= Common; R= Rare

Habitat Specific Organisms

Riffle: _____ %
Predominant Organism: _____
Other Common Organisms: _____
Density: High Moderate Low
Diversity: High Moderate Low

Run: 85 %
Predominant Organism: Flat worms
Other Common Organisms: _____
Density: High Moderate (Low)
Diversity: High Moderate (Low)

Pool: 15 %
Predominant Organism: Flat worms
Other Common Organisms: _____
Density: High Moderate (Low)
Diversity: High Moderate (Low)

Margin:
Predominant Organism: Midges
Other Common Organisms: _____
Density: High Moderate (Low)
Diversity: High Moderate (Low)

Other Notable Collections: _____

Field Narrative Rating: E VG G MG F P (VP)

Last Modified 10 21 15

NEORSD Macroinvertebrate Field Sheet

Stream: Euclid Creek River Mile: 1.65 Year: 2016

Location: Upstream of St. Clair Project: 2016 Euclid Creek Env. Mon.

Drainage Area (mi^2): 21.80 Latitude (°N)/Longitude (°W): 41.57389 - 81.54604

Site Type: (WWH) EWH Coldwater Lacustuary Other: _____ *Eco-Region:* EOLP

Hester-Dendy Deployment Information

Install Date: 06/15/16 Crew (QDC Circled): E. Seahnlen D. Phillips

Current at HD (fps): 0.46 Depth (cm): 13 Pictures Obtained: (Yes) No

Replicate/Reinstall Date: _____ Crew (QDC Circled): _____

Current (fps): _____ Depth (cm): _____ Reason: _____

Sampling/Retrieval Information

Sampling Method: (Hester-Dendy) (Dipnet) Ekman (6x6) Other: _____

Sampling Date: 07-27-16 @ 0915 Crew (QDC Circled): (R. Maichle) N. Velez

OEPA Comment Field Codes: _____ Water Temp: 22.1 (°C) °F

HD Condition- *Current (fps):* 0.47 *Depth (cm):* 10 *Comments:* _____

Number of HD Blocks Obtained: 5

Disturbed: Yes (No) *Debris:* (Yes) No leaves

Silt/Solids: None (Slight) Moderate Heavy *Sample ID:* 16H011

Replicate: *Current (fps):* _____ *Depth (cm):* _____ *Comments:* _____

Number of HD Blocks Obtained: _____

Disturbed: Yes No *Debris:* Yes No

Silt/Solids: None Slight Moderate Heavy *Sample ID:* _____

Dipnet- Time Sampled (min): 65 X *Number of Crew:* 2 = Total (min): 130

Start Time: 925 hrs *End Time:* 1030 *Sample ID:* 16Q012

Habitats Sampled: (Pool) (Riffle) (Run) (Margin) Backwater

River Sampling Conditions

Weather: (Clear) Partly Cloudy Overcast Light Rain Other: _____

Canopy (over HD): Open 75 % (50 %) 25 % Closed

Flow Condition: Dry Intermittent Interstitial Low (Normal) Above Normal Flood

Current Velocity: Non-detect Slow (Moderate) Fast

Channel Morphology: (Natural) Channelized Channelized (Recovered) Impounded

Bank Erosion: None Slight (Moderate) Extensive

Water Clarity: (Clear) Muddy Tea Milky Other: _____

Water Color: (None) Green Brown Grey Other: _____

Evidence of Pollution: Artifacts

Potential Pollution Sources: Urban Runoff

Comment Section: _____

Samples Analyzed By: Bert Remley QDC #: 00837 Date: 8/10/16

Company/Entity: Third Rock Consultants, Inc.

NEORSD Macroinvertebrate Field Sheet

Physical Characteristics

Substrate Characteristics

	Riffle	Units	Run	Units	Pool	Units
Bedrock					✓	
Boulder	✓		✓		✓	
Cobble/Rubble	✓		✓		✓	
Gravel – Course	✓		✓		✓	
Gravel – Fine	✓					
Sand	✓		✓		✓	
Silt	✓		✓		✓	
Clay/Hardpan						
Detritus						
Peat						
Muck						
Other						
Macrophytes						
Algae	✓		✓		✓	
Artifacts	✓		✓		✓	
Compaction (F,M,S)	M		M		F	
Depth (Avg)	4	in	6	in	1	ft
Width (Avg)	4	ft	5	ft	10	ft

Cobble is up to 10 in; Coarse Gravel; Fine Gravel

Predominant Land Use (Indicate *Left*, *Right* or *Both*)

Forest	Urban (circled)	Open Pasture
Shrub	Residential/Park	Closed Pasture
Old Field	Mining/Construction	Wetland
Rowcrop	Industrial	Other _____

Predominant Riparian Vegetation

Left	*Right*	*Type*
✓		Large Trees
✓	✓	Small Trees
		Shrubs
		Grass/Weeds
		None
<250 ft	>100 ft	Riparian Width

Riffle Habitat

Embedded: Yes (No circled)

Development:

- [ ] Extensive
- [x] Moderate
- [ ] Sparse
- [ ] Absent

Quality: Good (Fair circled) Poor

Margin Habitat

Margin Quality: Good Fair (Poor circled) 5 %

Types Present:

Root Mats	Undercut Banks	Rip Rap
Tree Roots (circled)	Shallows (circled)	Bulkhead
Woody Debris	Soft Clay	
Macrophytes/Grass	Other _____	

Biological Characteristics

Overall Collection

Est. Amt	(V=>151; A=150-101; C=100-11; R=10-1)
	Porifera, Bryozoa
A	Turbellaria, Oligochaeta, Hirudinea
C- C	Isopoda, Amphipoda
C+	Decapoda, Hydracarina
	Ephemeroptera
C	Baetidae
	Heptageniidae, Leptohyphidae, Caenidae
	Other _____
R	Zygoptera, Anisoptera
	Plecoptera
	Hemiptera
	Megaloptera, Neuroptera
	Trichoptera
C	Hydropsychidae
	Hydroptilidae, Leptoceridae
C+	Other Free living
	Coleoptera
C-	Elimidae
	Other _____
	Diptera
C	Chironomidae
	Tipulidae, Simuliidae
R-	Other Misc
R	Gastropoda, Bivalvia
	Other _____

V= Very Abundant; A= Abundant; C= Common; R= Rare

Habitat Specific Organisms

Riffle: 40 %
- Predominant Organism: flatworm
- Other Common Organisms: Free living caddis
- Density: High (Moderate circled) Low
- Diversity: High Moderate (Low circled)

Run: 50 %
- Predominant Organism: Caddisfly
- Other Common Organisms: flatworms
- Density: High (Moderate circled) Low
- Diversity: High Moderate (Low circled)

Pool: 10 %
- Predominant Organism: Midges
- Other Common Organisms: _____
- Density: High Moderate (Low circled)
- Diversity: High Moderate (Low circled)

Margin:
- Predominant Organism: Scuds
- Other Common Organisms: Decapods
- Density: High (Moderate circled) Low
- Diversity: High (Moderate circled) Low

Other Notable Collections: _____

Field Narrative Rating: E VG G (MG circled) F P VP

Last Modified 10.21.15

NEORSD Macroinvertebrate Field Sheet

Stream: Euclid Creek River Mile: 0.55 Year: 2016

Location: Downstream of Lakeshore BLVD Project: 2016 Euclid Creek Env. Mon.

Drainage Area (mi^2): 23.00 Latitude (°N)/Longitude (°W): 41.58340 - 81.55928

Site Type: (WWH) EWH Coldwater Lacustuary Other: _____ *Eco-Region:* EOLP

Hester-Dendy Deployment Information

Install Date: 06/15/16 Crew (QDC Circled): (E. Sochnlen) D. Phillips

Current at HD (fps): 0.08 Depth (cm): 47 Pictures Obtained: (Yes) No

Replicate/Reinstall Date: _____ Crew (QDC Circled): _____

Current (fps): _____ Depth (cm): _____ Reason: _____

Sampling/Retrieval Information

Sampling Method: (Hester-Dendy) (Dipnet) Ekman (6x6) Other: _____

Sampling Date: 07/27/16 @ 11:00HR Crew (QDC Circled): (R. Maichle) N. Velez

OEPA Comment Field Codes: _____ Water Temp: 25.0 (°C) / °F

HD Condition- *Current (fps):* 0.33 *Depth (cm):* 32 cm *Comments:* _____

Number of HD Blocks Obtained: 5

Disturbed: Yes (No) *Debris:* (Yes) No Blocks partially buried/algae

Silt/Solids: None Slight (Moderate) Heavy *Sample ID:* 16H069

Replicate: *Current (fps):* _____ *Depth (cm):* _____ *Comments:* _____

Number of HD Blocks Obtained: _____

Disturbed: Yes No *Debris:* Yes No

Silt/Solids: None Slight Moderate Heavy *Sample ID:* _____

Dipnet- Time Sampled (min): 45 X *Number of Crew:* 2 = Total (min): 90

Start Time: 1115 HRS *End Time:* 1200HR *Sample ID:* 16Q010

Habitats Sampled: Pool Riffle (Run) (Margin) Backwater

River Sampling Conditions

Weather: (Clear) Partly Cloudy Overcast Light Rain Other: _____

Canopy (over HD): (Open) 75 % 50 % 25 % Closed

Flow Condition: Dry Intermittent Interstitial Low (Normal) Above Normal Flood

Current Velocity: Non-detect (Slow) Moderate Fast

Channel Morphology: Natural Channelized (Channelized (Recovered)) Impounded

Bank Erosion: None Slight (Moderate) Extensive

Water Clarity: (Clear) Muddy Tea Milky Other: _____

Water Color: (None) Green Brown Grey Other: _____

Evidence of Pollution: odor, black organic material

Potential Pollution Sources: CSOs, IDDEs

Comment Section: _____

Samples Analyzed By: Bert Remley QDC #: 00837 Date: 8/5/16, 8/20/16

Company/Entity: Third Rock Consultants, Inc.

NEORSD Macroinvertebrate Field Sheet

Physical Characteristics

Substrate Characteristics

		Riffle	Units	Run	Units	Pool	Units
Cobble is up to 10 in	Bedrock						
	Boulder						
	Cobble/Rubble					✓	
Coarse Gravel	Gravel Course			✓		✓	
	Gravel Fine						
	Sand			✓		✓	
	Silt			✓		✓	
	Clay/Hardpan						
	Detritus			✓		✓	
	Peat						
	Muck			✓		✓	
	Other						
Fine Gravel	Macrophytes			✓		✓	
	Algae			✓		✓	
	Artifacts			✓		✓	
	Compaction (F,M,S)			S		S	
	Depth (Avg)			12	in	24	in
	Width (Avg)			60	in	8	ft

Predominant Land Use (Indicate *Left*, *Right* or *Both*)

Forest	Urban	Open Pasture
Shrub	Residential/Park B	Closed Pasture
Old Field	Mining/Construction	Wetland
Rowcrop	Industrial	Other _____

Predominant Riparian Vegetation

Left	*Right*	*Type*
		Large Trees
		Small Trees
	✓	Shrubs
✓		Grass/Weeds
		None
100 ft	10 ft	Riparian Width

Riffle Habitat

Embedded: Yes (No)

Development:

	Extensive
	Moderate
	Sparse
✓	Absent

Quality: Good Fair Poor

Margin Habitat

Margin Quality: Good (Fair) Poor 50 %

Types Present:

(Root Mats)	Undercut Banks	(Rip Rap)
(Tree Roots)	Shallows	Bulkhead
(Woody Debris)	Soft Clay	
(Macrophytes/Grass)	Other _____	

Biological Characteristics

Overall Collection

(V= >151; A= 150-101; C= 100-11; R= 10-1)

Est. Amt	
	Porifera, Bryozoa
R R	Turbellaria, Oligochaeta, Hirudinea
R	Isopoda, Amphipoda
R R	Decapoda, Hydracarina
	Ephemeroptera
	Baetidae
	Heptageniidae, Leptohyphidae, Caenidae
	Other _____
	Zygoptera, Anisoptera
	Plecoptera
	Hemiptera
	Megaloptera, Neuroptera
	Trichoptera
	Hydropsychidae
	Hydroptilidae, Leptoceridae
	Other _____
	Coleoptera
R	Elimidae
	Other _____
	Diptera
C	Chironomidae
	Tipulidae, Simuliidae
	Other _____
R	Gastropoda, Bivalvia
	Other _____

V= Very Abundant; A= Abundant; C= Common; R= Rare

Habitat Specific Organisms

~~*Riffle:* _____ %~~
~~Predominant Organism: _____~~
~~Other Common Organisms: _____~~
~~Density: High Moderate Low~~
~~Diversity: High Moderate Low~~

Run: 75 %
Predominant Organism: Midges
Other Common Organisms: _____
Density: High Moderate (Low)
Diversity: High Moderate (Low)

Pool: 25 %
Predominant Organism: Midges
Other Common Organisms: _____
Density: High Moderate (Low)
Diversity: High Moderate (Low)

Margin:
Predominant Organism: Midges
Other Common Organisms: _____
Density: High Moderate (Low)
Diversity: High Moderate (Low)

Other Notable Collections: _____

Field Narrative Rating: E VG G MG F P (VP)

NEORSD Macroinvertebrate Field Sheet

Stream: West Creek River Mile: 2.10 Year: 2016

Location: DS I-480 Project: 2016 West Creek Environmental Monitoring

Drainage Area (mi^2): 8.7 Latitude (°N)/Longitude (°W): 41.4136, -81.6705

Site Type: (WWH) EWH Coldwater Lacustuary Other: _____ *Eco-Region:* EOLP

Hester-Dendy Deployment Information

Install Date: 07-12-16 @ 0947 Crew (QDC Circled): (E. Maichle) B. Boggan

Current at HD (fps): 0.46 Depth (cm): Surface Pictures Obtained: (Yes) No

Replicate/Reinstall Date: 07/26/16 Crew (QDC Circled): (E. Soehnlein) D. Phillips

Current (fps): 0.43 Depth (cm): 19 cm Reason: lost HD / washout

Sampling/Retrieval Information

Sampling Method: (Hester-Dendy) (Dipnet) Ekman (6x6) Other: _____

Sampling Date: 09/06 Crew (QDC Circled): (E. Soehnlein) / N. Aron

OEPA Comment Field Codes: _____ Water Temp: 20.1 °C / °F

HD Condition- *Current (fps):* 0.22 *Depth (cm):* 15 *Comments:* _____

Number of HD Blocks Obtained: 5

Disturbed: Yes (No) *Debris:* Yes (No)

Silt/Solids: None Slight (Moderate) Heavy *Sample ID:* _____

Replicate: *Current (fps):* _____ *Depth (cm):* _____ *Comments:* _____

Number of HD Blocks Obtained: _____

Disturbed: Yes No *Debris:* Yes No

Silt/Solids: None Slight Moderate Heavy *Sample ID:* _____

Dipnet- Time Sampled (min): 55 X *Number of Crew:* 2 = Total (min): 110

Start Time: 10:55 *End Time:* 11:50 *Sample ID:* _____

Habitats Sampled: (Pool) (Riffle) (Run) (Margin) (Backwater)

River Sampling Conditions

Weather:	Clear	Partly Cloudy	(Overcast)	Light Rain	Other: _____
Canopy (over HD):	(Open)	75 %	50 %	25 %	Closed
Flow Condition:	Dry	Intermittent	Interstitial	(Low)	Normal Above Normal Flood
Current Velocity:	Non-detect	(Slow)	Moderate	Fast	
Channel Morphology:	Natural	Channelized	(Channelized (Recovered))	Impounded	
Bank Erosion:	None	Slight	Moderate	(Extensive)	
Water Clarity:	(Clear)	Muddy	Tea	Milky	Other: _____
Water Color:	(None)	Green	Brown	Grey	Other: _____

Evidence of Pollution: _____

Potential Pollution Sources: _____

Comment Section: Far RL near DS end of fallen Tree

Samples Analyzed By: Bert Remley QDC #: 00837 Date: 10/17/16

Company/Entity: Third Rock Consultants, Inc.

NEORSD Macroinvertebrate Field Sheet

Physical Characteristics

Substrate Characteristics

	Riffle	Units	Run	Units	Pool	Units
Bedrock			X		X	
Boulder	X					
Cobble/Rubble	X		X			
Gravel – Course	X		X		X	
Gravel – Fine	X		X		X	
Sand	X		X		X	
Silt	X		X		X	
Clay/Hardpan						
Detritus						
Peat						
Muck						
Other						
Macrophytes						
Algae	X		X		X	
Artifacts						
Compaction (F,M,S)	F		M		S	
Depth (Avg)	6"		12"		2'	
Width (Avg)	10'		20'		5'	

Predominant Land Use (Indicate *Left*, *Right* or *Both*)

Forest	Urban	Open Pasture
Shrub	Residential/Park	Closed Pasture
Old Field	Mining/Construction	Wetland
Rowcrop	Industrial	Other _____

Predominant Riparian Vegetation

Left	*Right*	*Type*
		Large Trees
		Small Trees
		Shrubs
X	X	Grass/Weeds
		None
		Riparian Width

Riffle Habitat

Embedded: Yes No

Development:

- [ ] Extensive
- [X] Moderate
- [ ] Sparse
- [ ] Absent

Quality: Good Fair Poor

Margin Habitat

Margin Quality: Good Fair Poor _____ %

Types Present:

Root Mats	Undercut Banks	Rip Rap
Tree Roots	Shallows	Bulkhead
Woody Debris	Soft Clay	
Macrophytes/Grass	Other _____	

Biological Characteristics

Overall Collection

Est. Amt	(V=>151; A=150-101; C=100-11; R=10-1)
	Porifera, Bryozoa
A- R	Turbellaria, Oligochaeta, Hirudinea
R- R-	Isopoda, Amphipoda
	Decapoda, Hydracarina
	Ephemeroptera
C+	Baetidae
	Heptageniidae, Leptohyphidae, Caenidae
	Other _____
R	Zygoptera, Anisoptera
	Plecoptera
	Hemiptera
	Megaloptera, Neuroptera
	Trichoptera
C	Hydropsychidae
	Hydroptilidae, Leptoceridae
R	Other Philopotamidae
	Coleoptera
R	Elimidae
R	Other Diving Beetle Dytiscidae?
	Diptera
A	Chironomidae
R- R	Tipulidae, Simuliidae
	Other _____
R-	Gastropoda, Bivalvia
	Other _____

V= Very Abundant; A= Abundant; C= Common; R= Rare

Habitat Specific Organisms

Riffle: 30 %
- Predominant Organism: Baetidae
- Other Common Organisms: Platworm
- Density: High Moderate Low
- Diversity: High Moderate Low

Run: 65 %
- Predominant Organism: Chironomidae
- Other Common Organisms: Platworm
- Density: High Moderate Low
- Diversity: High Moderate Low

Pool: 5 %
- Predominant Organism: Chironomidae
- Other Common Organisms: _____
- Density: High Moderate Low
- Diversity: High Moderate Low

Margin:
- Predominant Organism: Baetidae
- Other Common Organisms: _____
- Density: High Moderate Low
- Diversity: High Moderate Low

Other Notable Collections: _____

Field Narrative Rating: E VG G MG F P VP

NEORSD Macroinvertebrate Field Sheet

Stream: West Creek River Mile: 0.20 Year: 2016

Location: DS of Grafton Rd Project: 2016 West Creek Environmental Monitoring

Drainage Area (mi^2): 13.2 Latitude (°N)/Longitude (°W): 41.4145, -81.6477

Site Type: (WWH) EWH Coldwater Lacustuary Other: _____ *Eco-Region:* EOLP

Hester-Dendy Deployment Information

Install Date: 07-12-16 @ 0845 Crew (QDC Circled): (E. Maiche) B. Boggan

Current at HD (fps): 0.61 Depth (cm): 7 Pictures Obtained: (Yes) No

Replicate/Reinstall Date: _____ Crew (QDC Circled): _____

Current (fps): _____ Depth (cm): _____ Reason: _____

Sampling/Retrieval Information

Sampling Method: Hester-Dendy (Dipnet) Ekman (6x6) Other: _____

Sampling Date: 08/23/16 Crew (QDC Circled): (E. Soehnlein) N. Aron

OEPA Comment Field Codes: _____ Water Temp: _____ °C / °F

HD Condition- *Current (fps):* _____ *Depth (cm):* _____ *Comments:* HD missing

Number of HD Blocks Obtained: 0

Disturbed: Yes No *Debris:* Yes No

Silt/Solids: None Slight Moderate Heavy *Sample ID:* _____

Replicate: *Current (fps):* _____ *Depth (cm):* _____ *Comments:* _____

Number of HD Blocks Obtained: _____

Disturbed: Yes No *Debris:* Yes No

Silt/Solids: None Slight Moderate Heavy *Sample ID:* _____

Dipnet- Time Sampled (min): 55 X *Number of Crew:* 2 = Total (min): 110

Start Time: 9:30 *End Time:* 10:25 *Sample ID:* _____

Habitats Sampled: Pool Riffle Run Margin Backwater

River Sampling Conditions

Weather:	(Clear)	Partly Cloudy	Overcast	Light Rain	Other: _____
Canopy (over HD):	(Open)	75 %	50 %	25 %	Closed
Flow Condition:	Dry	Intermittent	Interstitial	Low	(Normal) Above Normal Flood
Current Velocity:	Non-detect	Slow	(Moderate)	Fast	
Channel Morphology:	Natural	(Channelized)	Channelized (Recovered)	Impounded	
Bank Erosion:	(None)	Slight	Moderate	Extensive	
Water Clarity:	(Clear)	Muddy	Tea	Milky	Other: _____
Water Color:	(None)	Green	Brown	Grey	Other: _____

Evidence of Pollution: _____

Potential Pollution Sources: _____

Comment Section: Inline w/Building, Near 3rd block in center, slightly RR

Heavy silt during eval sampling

Samples Analyzed By: Bert Remley QDC #: 00837 Date: 10/12/16

Company/Entity: Third Rock Consultants, Inc.

NEORSD Macroinvertebrate Field Sheet

Physical Characteristics

Substrate Characteristics

		Riffle	Run	Pool
Cobble is up to 10 in	Bedrock			
	Boulder	X	X	X
	Cobble/Rubble	X	X	X
	Gravel Course	X	X	X
	Gravel Fine	X	X	X
Coarse Gravel	Sand	X	X	X
	Silt	X	X	X
	Clay/Hardpan			
	Detritus	X	X	X
	Peat			
	Muck			
	Other			
	Macrophytes			
Fine Gravel	Algae	X	X	X
	Artifacts	X	X	X
	Compaction (F,M,S)	M	M	M
	Depth (Avg)	6"	1'	2'
	Width (Avg)	10'	15'	3'

Units

Predominant Land Use (Indicate *Left*, *Right* or *Both*)

Forest, Urban, Open Pasture, Shrub, Residential/Park, Closed Pasture, Old Field, Mining/Construction, Wetland, Rowcrop, Industrial both, Other _____

Predominant Riparian Vegetation

Left	*Right*	*Type*
		Large Trees
		Small Trees
		Shrubs
X	X	Grass/Weeds
		None
		Riparian Width

Riffle Habitat

Embedded: Yes No

Development:

- [ ] Extensive
- [X] Moderate
- [ ] Sparse
- [ ] Absent

Quality: Good Fair Poor

Margin Habitat

Margin Quality: Good Fair Poor _____ %

Types Present:

Root Mats, Undercut Banks, Rip Rap, Tree Roots, Shallows, Bulkhead, Woody Debris, Soft Clay, Macrophytes/Grass, Other _____

Biological Characteristics

Overall Collection

(V= >151; A= 150-101; C= 100-11; R= 10-1)

Est. Amt	
	Porifera, Bryozoa
C C R	Turbellaria, Oligochaeta, Hirudinea
C- R+	Isopoda, Amphipoda
	Decapoda, Hydracarina
	Ephemeroptera
A	Baetidae
R-	Heptageniidae, Leptohyphidae, Caenidae
	Other _____
C-	Zygoptera, Anisoptera
	Plecoptera
	Hemiptera
	Megaloptera, Neuroptera
	Trichoptera
C	Hydropsychidae
	Hydroptilidae, Leptoceridae
R-	Other misc
	Coleoptera
R	Elimidae
R-	Other Pred. Diving beetle
	Diptera
C	Chironomidae
R R-	Tipulidae, Simuliidae
R	Other misc
	Gastropoda, Bivalvia
	Other _____

V= Very Abundant; A= Abundant; C= Common; R= Rare

Habitat Specific Organisms

Riffle: 10% %
Predominant Organism: Baetidae/Hydropsychidae
Other Common Organisms: _____
Density: High Moderate Low
Diversity: High Moderate Low

Run: 85% %
Predominant Organism: chironomidae
Other Common Organisms: Baetidae
Density: High Moderate Low
Diversity: High Moderate Low

Pool: 5 %
Predominant Organism: chironomidae
Other Common Organisms: _____
Density: High Moderate Low
Diversity: High Moderate Low

Margin:
Predominant Organism: Damsel fly
Other Common Organisms: _____
Density: High Moderate Low
Diversity: High Moderate Low

Other Notable Collections: _____

Field Narrative Rating: E VG G MG F P VP

Big Creek at Memphis Park

River Mile: **4.40**

Drainage Area: **19.3** **miles^2**

OEPA Taxa Code	Species	Qualitative EPT Taxa	Qualitative Taxa	Coldwater Taxa	Pollution Tolerance
1801	Turbellaria		y		F
3600	Oligochaeta		y		T
4960	Erpobdella sp (= Mooreobdella)		y		MT
5800	Caecidotea sp		y		T
6700	Crangonyx sp		y		MT
11120	Baetis flavistriga	y	y		F
11130	Baetis intercalaris	y	y		F
21200	Calopteryx sp		y		F
21300	Hetaerina sp		y		F
27000	Corduliidae or Libellulidae		y		
50301	Chimarra aterrima	y	y		MI
52200	Cheumatopsyche sp	y	y		F
52431	Ceratopsyche morosa	y	y		MI
52450	Ceratopsyche sparna	y	y		F
52530	Hydropsyche depravata group	y	y		F
69400	Stenelmis sp		y		F
71900	Tipula sp		y		F
74100	Simulium sp		y		F
77120	Ablabesmyia mallochi		y		F
78655	Procladius (Holotanypus) sp		y		MT
79100	Thienemannimyia group		y		F
80420	Cricotopus (C.) bicinctus		y		T
80430	Cricotopus (C.) tremulus group		y		MT
81825	Rheocricotopus (Psilocricotopus) robacki		y		F
83040	Dicrotendipes neomodestus		y		F
84440	Polypedilum (Uresipedilum) aviceps		y	y	MI
84470	Polypedilum (P.) illinoense		y		T
84540	Polypedilum (Tripodura) scalaenum group		y		F
		7	28	1	

Big Creek Downstream of Jennings Road

River Mile: **0.15**

Drainage Area: **37.1** **miles^2**

OEPA Taxa Code	Species	Qualitative EPT Taxa	Qualitative Taxa	Coldwater Taxa	Pollution Tolerance
1801	Turbellaria		y		F
3600	Oligochaeta		y		T
4935	Erpobdella punctata punctata		y		MT
5800	Caecidotea sp		y		T
6700	Crangonyx sp		y		MT
11120	Baetis flavistriga	y	y		F
11130	Baetis intercalaris	y	y		F
22001	Coenagrionidae		y		T
22300	Argia sp		y		F
52530	Hydropsyche depravata group	y	y		F
77120	Ablabesmyia mallochi		y		F
80430	Cricotopus (C.) tremulus group		y		MT
84470	Polypedilum (P.) illinoense		y		T
84540	Polypedilum (Tripodura) scalaenum group		y		F
85840	Tanytarsus sepp		y		F
87601	Dolichopodidae		y		MT
		3	16	0	

Cuyahoga River Upstream of Mill Creek

River Mile: 12.10

Drainage Area: 709.0 miles^2

OEPA Taxa Code	Species	Number HD	Number Qual
1801	Turbellaria	1	+
2600	Nematomorpha		+
3360	Plumatella sp	1	
3600	Oligochaeta	455	+
5800	Caecidotea sp	5	+
6810	Gammarus fasciatus	1	+
11130	Baetis intercalaris	160	+
13510	Maccaffertium exiguum	2	+
13570	Maccaffertium terminatum	621	+
16700	Tricorythodes sp	163	+
17200	Caenis sp	1	
21200	Calopteryx sp		+
21300	Hetaerina sp		+
22001	Coenagrionidae		+
22300	Argia sp	1	+
24501	Gomphidae	1	
51300	Neureclipsis sp		+
52200	Cheumatopsyche sp	700	+
52431	Ceratopsyche morosa	85	+
52450	Ceratopsyche sparna		+
52530	Hydropsyche depravata group	9	
52560	Hydropsyche orris	68	
53800	Hydroptila sp	1	
59407	Nectopsyche candida		+
68601	Ancyronyx variegata	20	+
68901	Macronychus glabratus	86	+
69400	Stenelmis sp	3	+
74100	Simulium sp		+
77120	Ablabesmyia mallochi		+
79100	Thienemannimyia group	126	+
80420	Cricotopus (C.) bicinctus	18	
80430	Cricotopus (C.) tremulus group	54	
80470	Cricotopus (C.) or Orthocladius (O.) sp	90	
82130	Thienemanniella similis	54	+
83040	Dicrotendipes neomodestus	180	+
84060	Parachironomus pectinatellae		+
84450	Polypedilum (Uresipedilum) flavum	126	+
84470	Polypedilum (P.) illinoense		+
84520	Polypedilum (Tripodura) halterale group		+
84540	Polypedilum (Tripodura) scalaenum group	162	
85625	Rheotanytarsus sp	503	+
85821	Tanytarsus glabrescens group sp 7	431	
85840	Tanytarsus sepp	18	+
87540	Hemerodromia sp	32	
95900	Gyraulus sp		+
96900	Ferrissia sp	38	+
97601	Corbicula fluminea	1	+

Cuyahoga River Upstream of Mill Creek

River Mile:	**12.10**	
Drainage Area:	**709.0**	**miles^2**

Number of Organisms	4217
ICI Score	30
Number of Quantitative Taxa	34
Number of Qualitative Taxa	35
Number of Qualitative EPT Taxa	9
Total Number of Taxa	47

Cuyahoga River Downstream of Big Creek

River Mile: **7.00**

Drainage Area: **786.0** **miles^2**

OEPA Taxa Code	Species	Number HD	Number Qual
401	Spongillidae		+
1801	Turbellaria	11	
2600	Nematomorpha	2	
3360	Plumatella sp	4	+
3600	Oligochaeta	885	+
4960	Erpobdella sp (= Mooreobdella)		+
5800	Caecidotea sp	1	+
8200	Orconectes sp		+
11120	Baetis flavistriga	24	
11130	Baetis intercalaris	482	+
13000	Leucrocuta sp		+
13510	Maccaffertium exiguum	1	
13570	Maccaffertium terminatum	325	+
16700	Tricorythodes sp	645	+
21200	Calopteryx sp		+
22300	Argia sp	2	+
52200	Cheumatopsyche sp	483	+
52431	Ceratopsyche morosa	83	+
52450	Ceratopsyche sparna	16	
52530	Hydropsyche depravata group	8	
52560	Hydropsyche orris	17	
53800	Hydroptila sp	30	
59407	Nectopsyche candida		+
68601	Ancyronyx variegata	12	
68901	Macronychus glabratus	49	+
69400	Stenelmis sp	5	+
71900	Tipula sp		+
74100	Simulium sp	5	
77120	Ablabesmyia mallochi		+
79020	Tanypus neopunctipennis		+
79100	Thienemannimyia group	185	+
80415	Cricotopus (Isocladius) absurdus	34	
80420	Cricotopus (C.) bicinctus	101	+
80430	Cricotopus (C.) tremulus group	436	
81231	Nanocladius (N.) crassicornus or N. (N.) "rectinervis"	34	
82130	Thienemanniella similis	146	
82141	Thienemanniella xena	16	
82730	Chironomus (C.) decorus group		+
83040	Dicrotendipes neomodestus	168	+
83051	Dicrotendipes simpsoni	17	
83300	Glyptotendipes (G.) sp	50	
84450	Polypedilum (Uresipedilum) flavum	134	
85625	Rheotanytarsus sp	134	
85821	Tanytarsus glabrescens group sp 7	185	
85840	Tanytarsus sepp	34	
87540	Hemerodromia sp	22	

Cuyahoga River Downstream of Big Creek

River Mile:	**7.00**	
Drainage Area:	**786.0**	**miles^2**

Number of Organisms	4786
ICI Score	32
Number of Quantitative Taxa	36
Number of Qualitative Taxa	24
Number of Qualitative EPT Taxa	7
Total Number of Taxa	46

Doan Brook Upstream of Lee Road

River Mile: **6.70**

Drainage Area: **1.2** **miles^2**

OEPA Taxa Code	Species	Number HD	Number Qual
1320	Hydra sp	59	
1801	Turbellaria	109	+
3600	Oligochaeta	14	+
8601	Hydrachnidia	1	
21300	Hetaerina sp		+
22300	Argia sp	5	
53800	Hydroptila sp		+
74501	Ceratopogonidae	17	
78655	Procladius (Holotanypus) sp		+
82730	Chironomus (C.) decorus group	12	
82820	Cryptochironomus sp		+
83040	Dicrotendipes neomodestus	61	
83051	Dicrotendipes simpsoni	916	
84210	Paratendipes albimanus or P. duplicatus	147	+
85800	Tanytarsus sp	12	
95100	Physella sp	4	+
95900	Gyraulus sp	18	

Number of Organisms	1375
ICI Score	4
Number of Quantitative Taxa	13
Number of Qualitative Taxa	8
Number of Qualitative EPT Taxa	1
Total Number of Taxa	17

Doan Brook Downstream of St. Clair Avenue

River Mile: **0.75**

Drainage Area: **9.1** **miles^2**

OEPA Taxa Code	Species	Number HD	Number Qual
401	Spongillidae		+
1320	Hydra sp	315	
1801	Turbellaria	176	+
3600	Oligochaeta	304	+
4664	Helobdella stagnalis	12	+
4960	Erpobdella sp (= Mooreobdella)		+
8601	Hydrachnidia	2	
53800	Hydroptila sp	1	
77120	Ablabesmyia mallochi	24	+
78655	Procladius (Holotanypus) sp		+
79000	Tanypus sp	12	
79100	Thienemannimyia group	85	
82730	Chironomus (C.) decorus group	12	
83040	Dicrotendipes neomodestus	36	
84210	Paratendipes albimanus or P. duplicatus		+
84300	Phaenopsectra obediens group	157	+
84315	Phaenopsectra flavipes	36	
84450	Polypedilum (Uresipedilum) flavum	24	
84470	Polypedilum (P.) illinoense	399	+
85400	Micropsectra sp	157	
85500	Paratanytarsus sp	338	+
87540	Hemerodromia sp	157	
93200	Hydrobiidae		+
95100	Physella sp	20	
95900	Gyraulus sp	14	
96900	Ferrissia sp	1	

Number of Organisms	2282
ICI Score	16
Number of Quantitative Taxa	21
Number of Qualitative Taxa	12
Number of Qualitative EPT Taxa	0
Total Number of Taxa	26

Euclid Creek Upstream of St. Clair Avenue

River Mile: 1.65

Drainage Area: 21.8 miles^2

OEPA Taxa Code	Species	Number HD	Number Qual
1320	Hydra sp	26	
1801	Turbellaria	163	+
3600	Oligochaeta	3	
4901	Erpobdellidae	3	
5800	Caecidotea sp	107	+
6700	Crangonyx sp	72	+
8601	Hydrachnidia	125	+
11120	Baetis flavistriga	37	+
11130	Baetis intercalaris		+
13521	Stenonema femoratum	3	
21200	Calopteryx sp	2	+
50301	Chimarra aterrima		+
50315	Chimarra obscura		+
51001	Polycentropodidae	1	
52200	Cheumatopsyche sp	42	+
52431	Ceratopsyche morosa	52	+
52450	Ceratopsyche sparna	3	
52530	Hydropsyche depravata group	28	+
53800	Hydroptila sp	83	
69400	Stenelmis sp	15	+
70600	Antocha sp	51	+
74501	Ceratopogonidae		+
77120	Ablabesmyia mallochi	147	+
79100	Thienemannimyia group	330	+
80310	Cardiocladius obscurus		+
80420	Cricotopus (C.) bicinctus	92	+
80430	Cricotopus (C.) tremulus group	110	+
81825	Rheocricotopus (Psilocricotopus) robacki	18	
82730	Chironomus (C.) decorus group		+
83040	Dicrotendipes neomodestus	37	+
84210	Paratendipes albimanus or P. duplicatus	18	+
84540	Polypedilum (Tripodura) scalaenum group	55	
85500	Paratanytarsus sp	403	+
85625	Rheotanytarsus sp	92	
85821	Tanytarsus glabrescens group sp 7	330	
85840	Tanytarsus sepp	18	+
87540	Hemerodromia sp	14	
95100	Physella sp		+
95900	Gyraulus sp	1	
96900	Ferrissia sp	1	

Number of Organisms	2482
ICI Score	38
Number of Quantitative Taxa	33
Number of Qualitative Taxa	26
Number of Qualitative EPT Taxa	7
Total Number of Taxa	40

Euclid Creek Downstream of Lakeshore Avenue

River Mile: **0.55**

Drainage Area: **23.0** **miles^2**

OEPA Taxa Code	Species	Number HD	Number Qual
1320	Hydra sp		+
1801	Turbellaria	31	+
3600	Oligochaeta	136	+
4664	Helobdella stagnalis	1	
4901	Erpobdellidae		+
5800	Caecidotea sp	7	+
7701	Cambaridae		+
8601	Hydrachnidia		+
53800	Hydroptila sp	2	
69400	Stenelmis sp	1	+
77120	Ablabesmyia mallochi	61	+
78655	Procladius (Holotanypus) sp		+
79100	Thienemannimyia group	26	
80420	Cricotopus (C.) bicinctus		+
80430	Cricotopus (C.) tremulus group	9	
80470	Cricotopus (C.) or Orthocladius (O.) sp	9	
80510	Cricotopus (Isocladius) sylvestris group		+
82730	Chironomus (C.) decorus group	9	+
83040	Dicrotendipes neomodestus	303	
84210	Paratendipes albimanus or P. duplicatus	78	+
84300	Phaenopsectra obediens group	95	+
84460	Polypedilum (P.) fallax group	9	
84540	Polypedilum (Tripodura) scalaenum group		+
85500	Paratanytarsus sp	234	
85821	Tanytarsus glabrescens group sp 7	9	
85840	Tanytarsus sepp		+
95100	Physella sp	1	+
95900	Gyraulus sp		+
96900	Ferrissia sp	1	

Number of Organisms	1022
ICI Score	16
Number of Quantitative Taxa	19
Number of Qualitative Taxa	19
Number of Qualitative EPT Taxa	0
Total Number of Taxa	29

West Creek Downstream of I-480

River Mile: **2.10**

Drainage Area: **8.7** **miles^2**

OEPA Taxa Code	Species	Number HD	Number Qual
1801	Turbellaria	35	+
3600	Oligochaeta	1484	+
4960	Erpobdella sp (= Mooreobdella)		+
5800	Caecidotea sp	1	+
6700	Crangonyx sp		+
11120	Baetis flavistriga	1	+
11130	Baetis intercalaris		+
21200	Calopteryx sp	1	+
22001	Coenagrionidae		+
50301	Chimarra aterrima		+
50315	Chimarra obscura		+
52200	Cheumatopsyche sp	12	+
52431	Ceratopsyche morosa	1	+
52450	Ceratopsyche sparna	3	+
52530	Hydropsyche depravata group	13	+
53800	Hydroptila sp	5	
67800	Tropisternus sp		+
69400	Stenelmis sp	2	+
72700	Anopheles sp		+
74100	Simulium sp		+
79100	Thienemannimyia group	456	+
80310	Cardiocladius obscurus		+
80415	Cricotopus (Isocladius) absurdus	33	
80420	Cricotopus (C.) bicinctus		+
80430	Cricotopus (C.) tremulus group	1336	+
80470	Cricotopus (C.) or Orthocladius (O.) sp	293	
82730	Chironomus (C.) decorus group		+
82820	Cryptochironomus sp		+
83040	Dicrotendipes neomodestus	228	+
83840	Microtendipes pedellus group		+
84450	Polypedilum (Uresipedilum) flavum		+
84470	Polypedilum (P.) illinoense	33	
85500	Paratanytarsus sp	33	+
85821	Tanytarsus glabrescens group sp 7	1173	
95100	Physella sp		+

Number of Organisms	5143
ICI Score	26
Number of Quantitative Taxa	19
Number of Qualitative Taxa	30
Number of Qualitative EPT Taxa	8
Total Number of Taxa	35

West Creek Downstream of Granger Road

River Mile: **0.20**

Drainage Area: **6.6** **miles^2**

OEPA Taxa Code	Species	Qualitative EPT Taxa	Qualitative Taxa	Coldwater Taxa	Pollution Tolerance
1801	Turbellaria		y		F
3600	Oligochaeta		y		T
5800	Caecidotea sp		y		T
11120	Baetis flavistriga	y	y		F
21200	Calopteryx sp		y		F
23600	Aeshna sp		y		MT
50301	Chimarra aterrima	y	y		MI
52200	Cheumatopsyche sp	y	y		F
52431	Ceratopsyche morosa	y	y		MI
52450	Ceratopsyche sparna	y	y		F
52530	Hydropsyche depravata group	y	y		F
65700	Anacaena sp		y		MT
69400	Stenelmis sp		y		F
70600	Antocha sp		y		MI
80310	Cardiocladius obscurus		y		MI
80415	Cricotopus (Isocladius) absurdus		y		MI
80420	Cricotopus (C.) bicinctus		y		T
80430	Cricotopus (C.) tremulus group		y		MT
80470	Cricotopus (C.) or Orthocladius (O.) sp		y		
82220	Tvetenia discoloripes group		y		MI
		6	20	0	

Attachment E

2016 Fish Data Sheets

OhioEPA **FISH DATA SHEET** Sheet ID For Office Use Only

New Station (requires lat/long & county) ☐ Mix Zone ☐ Page 1 of 1

Station ID _____ River Code _____ RM 4.40 Date 8/16/16 Time 1200 hrs

Stream Big Creek Location Main branch, upstream of Memphis Av

Comments DA 19.30, Grad 17.60

Lat 41.4460 Long -81.7540 County Cuyahoga ALP _____ Time Fished 2571 sec

Crew K Amidon Netter M. Matteson* Others M Meany / D Phillips Sampler Type E

Distance 150m Flow _____ Temp. C _____ Secchi _____ Source _____ Project 2016 Big Creek

*Crew Leader

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights	Counts		DELT ANOMALIES Deformities, Erosions, Lesions, Tumors Multiple DELTs on one fish					
1	43-013 creek chub		106		(104) (2)			D	E	L	T	M	*
	V 10x												
2	43-044 central stoneroller		90		(89) (1)			D	E	L	T	M	*
	V 10x												
3	43-011 blacknose dace		185		(185)			D	E	L	T	M	*
	V 10x												
	40-016 white sucker		7		(7)			D	E	L	T	M	*
	V 10x												
5	43-033 bigmouth shiner		16		(15) (1)			D	E	L	T	M	*
	V15 10x												
6	43-003 golden shiner		1		(1)			D	E	L	T	M	*
	V 10x												
7	43-034 sand shiner		10		(10)			D	E	L	T	M	*
	V 10x												
8	43-043 Bluntnose minnow		6		(6)			D	E	L	T	M	*
	V7 10x												
9								D	E	L	T	M	*
	V 10x												

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

EPA 4508 11/4/2005

Page _____ of _____

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights Counts										
10								D	E	L	T	M	*
	V	10x											
11								D	E	L	T	M	*
	V	10x											
12								D	E	L	T	M	*
	V	10x											
13								D	E	L	T	M	*
	V	10x											
14								D	E	L	T	M	*
	V	10x											
15								D	E	L	T	M	*
	V	10x											
16								D	E	L	T	M	*
	V	10x											
17								D	E	L	T	M	*
	V	10x											
18								D	E	L	T	M	*
	V	10x											
19								D	E	L	T	M	*
	V	10x											
20								D	E	L	T	M	*
	V	10x											
21								D	E	L	T	M	*
	V	10x											

OhioEPA **FISH DATA SHEET**

Sheet ID For Office Use Only: _____

New Station (requires lat/long & county) ☐ Mix Zone ☐ Page 1 of 2

Station ID _____ River Code _____ RM 0.15 Date 9-6-15 Time 0940 hrs

Stream Big Creek Location Main branch, downstrm of Fenning Rd

Comments DA 37.10, Grad 17.60

Lat 41.4460 Long -81.6865 County Cuyahoga ALP _____ Time Fished 3157 sec

Crew Matteson* Netter Friedman Others Amidon, Meany Sampler Type B

Distance 0.20km Flow _____ Temp. C _____ Secchi _____ Source _____ Project 2016 Big Creek

* Crew Leader

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights	Counts			DELT ANOMALIES (Deformities, Erosions, Lesions, Tumors; Multiple DELTs on one fish)
1	40-016 White sucker	18	18	0.150	0.150	18			D E L T M *
	V 10x								
2	43-002 Goldfish	11	11	3.10	3.100	11			D E L T M *
	V 10x								
3	87-001 Round goby	13	13	0.100	0.100	13			D E L T M *
	V 10x								
	40-015 Hogsucker	2	2	0.200	0.200	2			D E L T M *
	V 10x								
5	43-011 Blacknose dace	2	2	0.008	0.008	2			D E L T M *
	V 10x								
6	43-044 Stoneroller	9	9	0.040	0.040	9			D E L T M *
	V 10x								
7	47-004 Yellow bullhead	11	11	0.400	0.400	11			D E L T M *
	V 10x								
8	80-011 Logperch	5	5	0.040	0.04	5			D E L T M *
	V 10x								
9	77-006 Largemouth bass	2	2	0.745	0.420	1			D E L T M *
					0.325	1			
	V 10x								

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

EPA 4508 11/4/2005

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights Counts			D	E	L	T	M	*
10	77-004 Smallmouth bass	1	1	0.010	0.010 (1)								
	V 10x												
11	77-008 Green sunfish	6	6	0.230	0.140 (5) 0.090 (1)								
	V 10x												
12	43-013 Creek chub	1	1	0.006	0.006 (1)								
	V 10x												
13	40-005 Quillback Carpsucker	1	1	0.020	0.020 (1)								
	V 10x												
14	43-020 emerald shiner	20	20	0.090	0.090 (20)								
	V 10x												
15	43-034 Sand shiner	24	24	0.080	0.080 (24)								
	V 10x												
16	43-003 Golden shiner	1	1	0.004	0.004 (1)								
	V 10x												
17	43-043 Bluntnose minnow	14	14	0.030	0.030 (14)								
	V 10x												
18	43-025 Striped shiner	5	5	0.010	0.010 (5)								
	V 10x												
19	43-032 Spotfin shiner	6	6	0.021	0.009 (3) 0.004 (1) 0.008 (2)								
	V 10x												
20													
	V 10x												
21													
	V 10x												

Ohio EPA **FISH DATA SHEET**

Sheet ID For Office Use Only: _____

New Station (requires lat/long & county) ☐ Mix Zone ☐ Page 1 of 2

Station ID _____ River Code _____ RM 0.15 Date 10/6/16 Time 1:00pm

Stream Big Creek Location Main branch, dst. Jennings Rd

Comments DA 37.10, Grad 17.60

Lat 41.4460 Long -81.6865 County Cuyahoga ALP _____ Time Fished 2350

Crew Matheson* Netter Friedman Others Baker/Holleran Sampler Type B

Distance 0.20km Flow _____ Temp. C _____ Secchi _____ Source _____ Project 2016 Big Creek

*Crew leader

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights (Counts)	DELT ANOMALIES (Deformities, Erosions, Lesions, Tumors; Multiple DELTs on one fish)
1	47-002 Channel catfish V 10x	1	1	3.628	816 (1) 3.628	D F L T M * 1
2	43-044 Stonecroller V 10x	8	8	0.019	0.012 (7) 0.007 (1)	D E L T M *
3	40-015 Hogsucker V 10x	2	2	0.10	0.100 (2)	D L L T M *
4	87-001 Round goby V 10x	10	10	0.072	0.072 (10)	D E L T M *
5	70-001 Brook silverside V 10x	2	2	0.004	0.004 (2)	D E L T M *
6	43-020 Emerald shiner V 10x	5	15	0.030	0.030 (15)	D E L T M *
7	43-042 Fathead minnow V 10x	3	3	0.007	0.007 (3)	D E L T M *
8	43-043 Bluntnose minnow V 10x	3	3	0.014	0.014 (3)	D E L T M *
9	77-008 Green sunfish V 10x	2	2	0.047	0.015 (1) 0.032 (1)	D E L T M *

* A-anchor worm, B-black spot; C-leeches, F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye, Z-other

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights (Counts)			D	E	L	T	M	*
10	77-009 Bluegill	3	3	0.031	0.015 (1) 0.016 (2)								
	V 10x												
11	43-034 Sand shiner	15	15	0.018	0.018 (15)								
	V 10x												
12	43-032 Spotfin shiner	2	2	0.010	0.010 (2)								
	V 10x												
13	40-016 White sucker	6	6	0.223	0.008 (1) 0.215 (5)								
	V 10x												
14	47-004 Yellow bullhead	7	7	0.615	0.615 (7)				1				
	V 10x												
15													
	V 10x												
16													
	V 10x												
17													
	V 10x												
18													
	V 10x												
19													
	V 10x												
20													
	V 10x												
21													
	V 10x												

OhioEPA **FISH DATA SHEET**

Sheet ID For Office Use Only: _____

New Station (requires lat/long & county) ☐ Mix Zone ☐ Page 1 of 3

Station ID _____ River Code _____ RM 11.95 Date 8/5/16 Time 0950

Stream Cuyahoga River Location Upstrm of Granger Rd bridge (bug & wtr chem site)

Comments DA 709.00, grad 6.93

Lat 41.4101 Long -81.6346 County Cuyahoga ALP _____ Time Fished 3379 sec

Crew Matteson* Netter Hotlom Others Amidon, Meany Sampler Type B

Distance 0.5 km Flow 222 Temp. C _____ Secchi _____ Source _____ Project 2016 Cuyahoga River

* Crew Leader

DELT ANOMALIES: Deformities, Erosions, Lesions, Tumors; Multiple DELTs on one fish

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights	Counts		D	E	L	T	M	*
1	47-002	7	7	6.81	1.52 (1)	0.700 (1)			1	1			
	Channel Catfish				2.40 (1)	0.900 (1)							
	V 2 10x				1.05 (1)	0.24 (2)							
2	77-001	3	3	0.480	0.480 (3)								
	Black Crappie												
	V 2 10x												
3	77-009	1	1	0.078	0.078 (1)								
	Bluegill												
	V 10x												
	77-013	1	1	0.030	0.030 (1)								
	Pumpkinseed Sunfish												
	V 10x												
5	77-008	2	2	0.030	0.020 (1)								
	Green Sunfish				0.010 (1)								
	V 10x												
6	80-003	1	1	0.032	0.032 (1)								
	Yellow Perch												
	V 10x												
7	43-001	5	5	11.339	5 lbs (1)	3.5 lbs (1)			1				
	Common Carp				5.5 lbs (1)	7.5 lbs (1)							
	V 10x				3.5 lbs (1)								
8	77-003	1	1	0.010	0.010 (1)								
	Rockbass												
	V 10x												
9	40-010	11	11	6.911	2.300 (3)	0.006 (1)							
	Golden Redhorse				2.500 (3)	0.005 (1)							
	V 2 10x				2.100 (3)								

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights Counts			D	E	L	T	M	*
10	40-016	8	8	0.042	0.035 (6)								
	White Sucker				0.004 (1)								
	V 10x				0.003 (1)								
11	47-007	1	1	0.350	0.35 (1)								
	Flathead Catfish												
	V 10x												
12	77-004	8	8	2.78	0.300 (2)	0.48 (1)							
	Smallmouth Bass				0.800 (1)	0.200 (1)							
	V2 10x				0.78 (2)	0.220 (1)							
13	40-011	2	2	0.700	0.7 (2)								
	Shorthead Redhorse												
	V2 10x												
14	74-001	4	4	0.320	0.32 (4)								
	White Bass												
	V 10x												
15	74-003	1	1	0.025	0.025 (1)								
	White Perch												
	V 10x												
16	20-003	6	6	0.500	0.500 (6)								
	Gizzard Shad												
	V1 10x												
17	43-044	1	1	0.008	0.008 (1)								
	Central Stoneroller Minnow												
	V 10x												
18	43-034	11	11	0.017	0.003 (1)								
	Sand Shiner				0.004 (1)								
	V 10x				0.010 (9)								
19	40-015	8	8	1.30	0.780 (5)								
	Northern Hog Sucker				0.520 (3)								
	V 10x												
20	43-043	1	1	0.008	0.008 (1)								
	Bluntnose Minnow												
	V 10x												
21	87-001	1	1	0.003	0.003 (1)								
	Round Goby												
	V 10x												

OhioEPA **FISH DATA SHEET**

Sheet ID For Office Use Only: _____

New Station (requires lat/long & county) ☐ Mix Zone ☐

Station ID _____ River Code _____ RM 11.95 Date 8/5/16 Time 0950

Stream Cuyahoga River Location US of Granger Rd Bridge

Comments DA: 709 mi² Grid 6.93

Lat 41.4101 Long -81.6346 County Cuyahoga ALP _____ Time Fished 3379 sec.

Crew M. Matteson Netter S. Hothem Others M. Meany / K. Amidon Sampler Type B

Distance 0.5 km Flow 222 Temp. C _____ Secchi _____ Source _____ Project 2016 Cuyahoga River

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights	Counts		DELT ANOMALIES (Deformities, Erosions, Lesions, Tumors; Multiple DELTs on one fish)					
1	43-020 Emerald Shiner	22	22	0.110	0.110	22		D	E	L	T	M	*
	V	10x											
2	43-032 Spotfin Shiner	56	56	0.170	0.170	56		D	E	L	T	M	*
	V	10x											
3								D	E	L	T	M	*
	V	10x											
4								D	E	L	T	M	*
	V	10x											
5								D	E	L	T	M	*
	V	10x											
6								D	E	L	T	M	*
	V	10x											
7								D	E	L	T	M	*
	V	10x											
8								D	E	L	T	M	*
	V	10x											
9								D	E	L	T	M	*
	V	10x											

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

Page ____ of ____

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights Counts			D	E	L	T	M	*
10	V 10x												
11	V 10x												
12	V 10x												
13	V 10x												
14	V 10x												
15	V 10x												
16	V 10x												
17	V 10x												
18	V 10x												
19	V 10x												
20	V 10x												
21	V 10x												

Ohio EPA FISH DATA SHEET Sheet ID For Office Use Only

New Station (requires lat/long & county) ☐ Mix Zone ☐ Page 1 of 2

Station ID _____ River Code _____ RM 11.95 Date 9/28/16 Time 10:12am

Stream Cuyahoga River Location Ust Granger Rd Bridge

Comments DA 709 Grad 6.93

Lat 41.4101 Long -81.6346 County Cuyahoga ALP _____ Time Fished 2941

Crew Matteson* Netter Meany Others Hothen, Amidon Sampler Type B

Distance 500m Flow _____ Temp. C _____ Secchi _____ Source _____ Project 2016 Cuyahoga River

*Crew Leader

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights (Counts)	DELT ANOMALIES Deformities, Erosions, Lesions, Tumors Multiple DELTs on one fish
1	43-001 Common Carp V 10x	4	4	6.801	3 lbs (1) 1.360; 5.5 lbs (1) 2.494; 4 lbs (1) 1.814; 2.5 lbs (1) 1.133	D E L T M *
2	47-002 Channel catfish V 10x	2	2	1.30	0.600 (1); 0.700 (1)	D E L T M *
3	85-001 Freshwater drum V 10x	1	1	1.10	1.100 (1)	D E L T M *
4	43-043 Bluntnose Minnow V 10x	1	1	0.004	0.004 (1)	D E L T M *
5	43-034 Sand Shiner V 10x	3	3	0.012	0.008 (2); 0.004 (1)	D E L T M *
6	87-001 Round goby V 10x	1	1	0.002	0.002 (1)	D E L T M *
7	40-015 Northern hogsucker V 10x	12	12	2.295	0.600 (2); 0.165 (1); 1.440 (4); 0.090 (5)	D E L T M *
8	77-009 Bluegill V 10x	2	2	0.138	0.138 (2)	D E L T M *
9	77-008 Green sunfish 10x	1	1	0.050	0.050 (1)	D E L T M *

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

EPA 4508 11/4/2005

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights (Counts)			D	E	L	T	M	*
10	77-003 Rock bass	1	1	0.045	0.045 (1)								
	V 10x												
11	43-020 Emerald shiner	16	16	0.08	0.080 (16)								
	V 10x												
12	43-032 Spotfin shiner	54	54	0.119	0.119 (54)								
	V 10x												
13	40-010 Golden redhorse	7	7	1.982	1.08 (1) 0.875 (1) 0.012 (2)	0.015 (3)							
	V 10x												
14	40-016 White sucker	3	3	0.03	0.030 (3)								
	V 10x												
15	43-044 Central stoneroller	2	2	0.035	0.035 (2)								
	V 10x												
16	80-011 Logperch	1	1	0.008	0.008 (1)								
	V 10x												
17	80-022 Rainbow darter	1	1	0.002	0.002 (1)								
	V 10x												
18	80-003 Gizzard shad	13	13	2.405	1.65 (8) 0.755 (5)								
	V 10x												
19	77-004 Smallmouth bass	14	14	2.39	0.360 (1) 0.680 (1) 0.335 (2)	0.480 (1) 0.375 (2) 0.160 (7)							
	V 10x												
20	77-006 Largemouth bass	1	1	0.062	0.062 (1)								
	V 10x												
21													
	V 10x												

OhioEPA **FISH DATA SHEET** Sheet ID For Office Use Only

New Station (requires lat/long & county) ☐ Mix Zone ☐ Page 1 of 2

Station ID _____ River Code _____ RM 7.00 Date 9/6/16 Time 1140 hrs

Stream CUYAHOGA RIVER Location DS OF BIG CREEK

Comments DA: 786.00 Grad 2.03

Lat 41.4497 Long -81.6815 County CUYAHOGA ALP _____ Time Fished 4029 SC

Crew M. Matteson* Netter M. Meany Others K. Amidon D. Friedman Sampler Type B

Distance 0.5 km Flow _____ Temp. C _____ Secchi _____ Source _____ Project 20116 Cuyahoga River

*Crew Leader

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights	Counts		DELT ANOMALIES Deformities, Erosions, Lesions, Tumors Multiple DELTs on one fish
1	77-004 smallmouth bass	6	6	1.85	0.725 (1)	0.400 (3)		D E L T M *
					0.400 (1)			
	V 10x				0.325 (1)			
2	47-002 channel catfish	11	11	8.618	19 lbs (11)	8.618		D E L T M *
	V 10x							
3	20-003 gizzard shad	22	22	3.70	2.08 (12)			D E L T M *
					1.62 (10)			
	V 10x							
	40-015 hog sucker	3	3	0.625	0.625 (3)			D E L T M *
	V 10x							
5	77-006 largemouth bass	1	1	0.125	0.125 (1)			D E L T M *
	V 10x							
6	47-004 yellow bullhead	1	1	0.008	0.008 (1)			D E L T M *
	V 10x							
7	87-001 round goby	3	3	0.050	0.050			D E L T M *
	V 10x							
8	43-043 bluntnose minnow	7	7	0.008	0.008 (7)			D E L T M *
	V 10x							
9	40-016 white sucker	2	2	1.375	0.550 (1)			D E L T M *
					0.825 (1)			
	V 10x							

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

EPA 4508 11/4/2005

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights	Counts			D	E	L	T	M	*
10	80-011 logperch darter	1	1	0.008	0.008	1								
	V 10x													
11	43-044 stoneroller minnow	1	1	0.007	0.007	1								
	V 10x													
12	77-003 rock bass	1	1	0.015	0.015	1								
	V 10x													
13	40-010 golden redhorse	15	15	2.352	5 lbs 0.085	3 12	2.267							
	V 10x													
14	43-034 sand shiner	1	1	0.003	0.003	1								
	V 10x													
15	43-013 creek chub	1	1	0.005	0.005	1								
	V 10x													
16	43-032 ne	1	1	0.006	0.006	1								
	V 10x													
17	43-020 emer a sh r	20	20	0.050	0.050	20								
	V 10x													
18	40-011 shorthead redhorse	1	1	0.020	0.020	1								
	V 10x													
19														
	V 10x													
20														
	V 10x													
21														
	V 10x													

OhioEPA **FISH DATA SHEET**

Sheet ID For Office Use Only: [ ]

New Station (requires lat/long & county) [ ] Mix Zone [ ] Page 1 of 2

Station ID ____ River Code ____ RM 7.00 Date 10/6/16 Time 1400

Stream Cuyahoga River Location Harvard Ave

Comments DA 78600, Grad 2.03

Lat 41.4494 Long -81.6815 County Cuyahoga ALP ____ Time Fished 2795 sec

Crew Matteson Netter Hothem* Others Baker / Friedman Sampler Type B

Distance 500m Flow ____ Temp. C ____ Secchi ____ Source ____ Project 2016 Cuyahoga River

*Crew Leader

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights (Counts)	DELT ANOMALIES (Deformities, Erosions, Lesions, Tumors; Multiple DELTs on one fish)
1	25-002 Rainbow Trout	7	7	19.956	7 lbs (1) 3.175; 25 lbs (4) 11.339; 7 lbs (1) 3.175; 5 lbs (1) 2.267	D E L T M *
2	77-004 Smallmouth Bass	10	10	3.68	0.88 (1); 0.40 (1); 0.7 (1); 0.70 (2); 0.35 (1); 0.65 (4)	D E L T M *
3	47-002 Channel Catfish	6	6	10.23	2.150 (1); 1.78 (1); 3.000 (2); 1.000 (1); 2.3 (1)	D E L T M *
4	85-001 Freshwater Drum	1	1	1.780	1.780 (1)	D E L T M *
5	43-001 Common Carp	1	1	2.041	4.5 lbs (1) 2.041	D E L T M *
6	10-004 Longnose Gar	1	1	0.250	0.250 (1)	D E L T M *
7	43-020 Emerald Shiner	322	322	0.906	0.485 (167); 0.418 (154); 0.003 (1)	D E L T M *
8	87-001 Round Goby	2	2	0.005	0.001 (1); 0.004 (1)	D E L T M *
9	20-003 Gizzard Shad	111	111	2.85	1.24 (35); 1.41 (64); 0.200 (12)	D E L T M * 1

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

EPA 4508 11/4/2005

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights (Counts)	D	E	L	T	M	*
10	74-003 White Perch	2	2	0.115	0.115 (2)						
	V 10x										
11	80-011 Logperch Darter	1	1	0.030	0.030 (1)						
	V 10x										
12	40-015 Northern Hogsucker	5	5	0.10	0.100 (5)						
	V 10x										
13	40-010 Golden Redhorse	6	6	1.74	0.950 (1) 0.750 (1) 0.040 (4)						
	V 10x										
14	77-001 White Crappie	1	1	0.10	0.100 (1)						
	V 10x										
15	77-009 Bluegill Sunfish	1	1	0.002	0.002 (1)						
	V 10x										
16	40-005 Quillback Carpsucker	1	1	0.008	0.008 (1)						
	V 10x										
17	43-043 Bluntnose Minnow	1	1	0.003	0.003 (1)						
	V 10x										
18	70-011 Brook Silverside	5	5	0.010	0.006 (3) 0.004 (2)						
	V 10x										
19											
	V 10x										
20											
	V 10x										
21											
	V 10x										

OhioEPA **FISH DATA SHEET**

Sheet ID For Office Use Only

New Station (requires lat/long & county) ☐ Mix Zone ☐ Page 1 of 1

Station ID _____ River Code _____ RM 6.70 Date 6/24/16 Time 11:00

Stream Doan Brook Location Lee Road

Comments DA 1.20, Grad 56.20

Lat 41.4838 Long -81.5643 County Cuyahoga ALP _____ Time Fished 1940

Crew Schiel Netter Friedman Others Amidon / Matteson* Sampler Type E

Distance 0.15 Flow _____ Temp. C _____ Secchi _____ Source _____ Project 2016 Doan Brook

* Crew Leader

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights	Counts	DELT ANOMALIES (Deformities, Erosions, Lesions, Tumors; Multiple DELTs on one fish)	D	E	L	T	M	*
1	43-013 Creek chub		207		62 29 26 34 56								
	V 10x												
2	43-044 Stoneroller		9		3 1 3 1 1								
	V 10x												
3	43-011 Blacknose dace		4		4								
	V 10x												
	77-008 Green sunfish		10		10								
	V 10x												
5													
	V 10x												
6													
	V 10x												
7													
	V 10x												
8													
	V 10x												
9													
	V 10x												

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

EPA 4508 11/4/2005

Page _____ of _____

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights	Counts		D	E	L	T	M	*
10													
	V	10x											
11													
	V	10x											
12													
	V	10x											
13													
	V	10x											
14													
	V	10x											
15													
	V	10x											
16													
	V	10x											
17													
	V	10x											
18													
	V	10x											
19													
	V	10x											
20													
	V	10x											
21													
	V	10x											

OhioEPA **FISH DATA SHEET**

Sheet ID For Office Use Only: _____

New Station (requires lat/long & county) ☐ Mix Zone ☐ Page 1 of 1

Station ID _____ River Code _____ RM 0.75 Date 6/16/16 Time 1400hrs

Stream Dean Brook Location off Mill Dr, downstream of St. Clair Ave

Comments DA 9.10, Grad 13.90

Lat 41.5330 Long -81.6296 County Cuyahoga ALP _____ Time Fished 1569sec

Crew M. Matteson * Netter K Amidon/E. Sochnun Others B. Boggan/J. Femito Sampler Type E

Distance 0.15km Flow _____ Temp. C _____ Secchi _____ Source _____ Project 2016 Dean Brook

* Crew Leader

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights	Counts	DELT ANOMALIES (Deformities, Erosions, Lesions, Tumors; Multiple DELTs on one fish)	D	E	L	T	M	*
1	87-001 round goby		45		2	43							
	V2 10x												
2	77-013 pumpkinseed sunfish		3		3								
	V2 10x												
3	43-042 fathead minnow		1		1								
	V1 10x												
4	47-004 yellow bullhead		4		1	3							
	V2 10x												
5	77-008 green sunfish		22		2	20							
	V2 10x												
6	77-009 bluegill sunfish		20		2	18							
	V 10x												
7													
	V 10x												
8													
	V 10x												
9													
	V 10x												

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

EPA 4508 11/4/2005

Page ____ of ____

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights	Counts		D	E	L	T	M	*
10	V 10x												
11	V 10x												
12	V 10x												
13	V 10x												
14	V 10x												
15	V 10x												
16	V 10x												
17	V 10x												
18	V 10x												
19	V 10x												
20	V 10x												
21	V 10x												

OhioEPA **FISH DATA SHEET**

Sheet ID For Office Use Only: _____

New Station (requires lat/long & county) ☐ Mix Zone ☐ Page 1 of 1

Station ID _____ River Code _____ RM 1.65 Date 6/23/16 Time 2:35 pm

Stream Euclid Creek Location 100 ft upstream of St. Clair A

Comments DA 21.8, Grad 16.2

Lat 41.5741 Long -81.5467 County Cuyahoga ALP _____ Time Fished 1478 sec

Crew M. Matteson * Netter K. Amidon Others L. Baker / D. Friedman Sampler Type E

Distance 0.2 km Flow _____ Temp. C _____ Secchi _____ Source _____ Project 2016 Euclid Creek

*Crew Leader

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights	Counts		DELT ANOMALIES (Deformities, Erosions, Lesions, Tumors; Multiple DELTs on one fish)					
1	43-013 Creekchub	29	29	0.558	0.160	(5)		D	E	L	T	M	*
					0.390	(23)							
	V / 10x				0.008	(1)							
2	77-009 Bluegill	8	8	0.060	0.060	(8)		D	E	L	T	M	*
	V / 10x												
3	77-013 Pumpkin Seed Sunfish	2	2	0.030	0.030	(2)		D	E	L	T	M	*
	V / 10x												
	43-044 Stonerollers	76	76	0.46	0.07	(12)		D	E	L	T	M	*
					0.390	(64)							
	V / 10x												
5	43-011 Black nose Dace	421	421	0.872	0.250	(110)		D	E	L	T	M	*
		0.			0.002	(1)							
	V / 10x				0.620	(310)							
6	40-016 White sucker	6	6	0.226	0.095	(1)		D	E	L	T	M	*
					0.130	(4)							
	V / 10x				0.001	(1)							
7	43-043 Blunt nose minnow	1	1	0.004	.004	(1)		D	E	L	T	M	*
	V / 10x												
8								D	E	L	T	M	*
	V / 10x												
9								D	E	L	T	M	*
	V / 10x												

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

EPA 4508 11/4/2005

Page _____ of _____

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights Counts											
10	V 10x							D	E	L	T	M	*			
11	V 10x							D	E	L	T	M	*			
12	V 10x							D	E	L	T	M	*			
13	V 10x							D	E	L	T	M	*			
14	V 10x							D	E	L	T	M	*			
15	V 10x							D	E	L	T	M	*			
16	V 10x							D	E	L	T	M	*			
17	V 10x							D	E	L	T	M	*			
18	V 10x							D	E	L	T	M	*			
19	V 10x							D	E	L	T	M	*			
20	V 10x							D	E	L	T	M	*			
21	V 10x							D	E	L	T	M	*			

Ohio EPA **FISH DATA SHEET**

Sheet ID For Office Use Only

New Station (requires lat/long & county) ☐ Mix Zone ☐ Page 1 of 1

Station ID _____ River Code _____ RM 1.65 Date 08/19/16 Time 1135

Stream EUCLID CREEK Location US of ST. CLAIR AVENUE

Comments DA: 21.8 mi²

Lat 41.5741 Long -81.5467 County CUYAHOGA ALP _____ Time Fished 1800

Crew J. RHOADES* Netter K. AMIDON Others S. HORTON / M. MATTESON Sampler Type E

Distance 0.2 KM Flow _____ Temp. C _____ Secchi _____ Source _____ Project 2016 EUCLID CR PSP

*Crew Leader

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights	Counts		DELT ANOMALIES (Deformities, Erosions, Lesions, Tumors; Multiple DELTs on one fish)					
1	47-004 YELLOW BULLHEAD	1	1	.005	.005	(1)		D	E	L	T	M	*
	V / 10x												
2	77-009 BLUEGILL	8	8	.115	.060	(6)		D	E	L	T	M	*
					.035	(1)							
	V / 10x				.020	(1)							
3	43-042 FATHEAD MINNOWS	2	2	.006	.006	(2)		D	E	L	T	M	*
	V / 10x												
4	43-044 STONEROLLER MINNOWS	114	114	0.584	.580	(113)		D	E	L	T	M	*
					.004	(1)							
	V / 10x												
5	43-043 BLUNTNOSE MINNOW	13	13	.012	.012	(13)		D	E	L	T	M	*
	V / 10x												
6	43-011 BLACKNOSE DACE	403	403	1.002	1.000	(402)		D	E	L	T	M	*
					.002	(1)							
	V / 10x												
7	40-016 WHITE SUCKERS	11	11	0.400	0.400	(11)		D	E	L	T	M	*
	V / 10x												
8	43-013 CREEK CHUBS	103	103	0.551	0.530	(96)		D	E	L	T	M	*
					.019	(6)							
	V / 10x				.002	(1)							
9								D	E	L	T	M	*
	V / 10x												

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

EPA 4508 11/4/2005

Page _____ of _____

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights	Counts		D	E	L	T	M	*
10	V 10x												
11	V 10x												
12	V 10x												
13	V 10x												
14	V 10x												
15	V 10x												
16	V 10x												
17	V 10x												
18	V 10x												
19	V 10x												
20	V 10x												
21	V 10x												

OhioEPA **FISH DATA SHEET**

Sheet ID For Office Use Only: _____

New Station (requires lat/long & county) ☐ Mix Zone ☐ Page 1 of 3

Station ID _____ River Code _____ RM 0.55 Date 6/23/16 Time 1030 hrs

Stream Euclid Creek Location 150 ft downstream of Lake Shore Blvd

Comments DA 23, Grad. 5.9

Lat 41.5833 Long -81.5594 County Cuyahoga ALP _____ Time Fished 4511 sec

Crew M. Matkson* Netter Amidon/Friedman Others Baker Sampler Type E

Distance 0.2 km Flow _____ Temp. C _____ Secchi _____ Source _____ Project 2016 Euclid Creek

* Crew Leader

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights	Counts	DELT ANOMALIES (Deformities, Erosions, Lesions, Tumors; Multiple DELTs on one fish) D	E	L	T	M	*
1	77-004 smallmouth bass	1	1	0.670	0.670 (1)							
	V 10x											
2	87-001 round goby	106	106	0.556	0.550 (105)							
					0.006 (1)							
	V 10x											
3	40-016 white sucker	153	153	2.75	1.10 (64)							
					1.65 (89)							
	V 10x											
4	43-011 blacknose dace	31	31	0.052	0.040 (27)	0.008 (2)						
					0.002 (2)							
	V 10x				0.002 (1)							
5	43-044 central stoneroller	68	68	0.170	0.170 (68)							
	V 10x											
6	43-013 creek chub	80	80	1.120	0.630 (50)							
					0.490 (30)							
	V 10x											
7	40-010 golden redhorse	1	1	0.037	0.037 (1)							
	V 10x											
8	80-011 logperch darter	1	1	0.019	0.019 (1)							
	V 10x											
9	43-039 silverjaw minnow	1	1	0.010	0.010 (1)							
	V 10x											

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

EPA 4508 11/4/2005

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights (Counts)			D	E	L	T	M	*
10	20-003 gizzard shad	1	1	0.061	0.061 (1)								
	V1 10x												
11	43-032 spotfin shiner	22	22	0.062	0.040 (16)								
					0.002 (1)								
	V2 10x				0.020 (5)								
12	43-042 fathead minnow	1	1	0.001	0.001 (1)								
	V 10x												
13	43-043 bluntnose minnow	34	34	0.070	0.050 (24)								
					0.020 (10)								
	V 10x												
14	43-020 emerald shiner	15	15	0.053	0.003 (1)								
					0.050 (14)								
	V2 10x												
15	43-034 sand shiner	3	3	0.006	0.006 (3)								
	V 10x												
16	77-009 bluegill sunfish	129	129	0.880	0.270 (41)								
					0.610 (88)								
	V 10x												
17	77-006 largemouth bass	1	1	0.030	0.030 (1)								
	V1 10x												
18	77-003 rockbass	3	3	0.310	0.310 (3)								
	V2 10x												
19	40-005 quillback carpsucker	1	1	0.002	0.002 (1)								
	V1 10x												
20	77-008 green sunfish	4	4	0.105	0.105 (4)								
	V 10x												
21	47-005 brown bullhead	7	7	2.10	0.440 (1)								
					0.890 (1)								
	V1 10x				0.770 (5)								

OhioEPA **FISH DATA SHEET**

Sheet ID For Office Use Only: _____

New Station (requires lat/long & county) ☐ Mix Zone ☐ Page 3 of 3

Station ID _____ River Code _____ RM 0.55 Date 6/23/16 Time 1030 hrs

Stream Euclid Creek Location 150ft dst Lakeshore Blvd

Comments DA 23.0, Grad 5.7

Lat 41.5833 Long -81.5594 County Cuyahoga ALP _____ Time Fished 4511 sec

Crew Matteson* Netter Amidon/Friedman Others Baker Sampler Type E

Distance 0.2 km Flow _____ Temp. C _____ Secchi _____ Source _____ Project 2016 Euclid Creek

*Crew Leader

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights (Counts)			DELT ANOMALIES (Deformities, Erosions, Lesions, Tumors; Multiple DELTs on one fish)					
1	47-004 Yellow bullhead	19	19	0.862	(8) 0.112			D	E	L	T	M	*
					(11) 0.75								
	V 10x												
2	43-035 Mimic shiner	18	18	0.027	(2) 0.003			D	E	L	T	M	*
					(16) 0.024								
	V 18 10x												
3	47-006 Black bullhead	1	1	0.235	(1) 0.235			D	E	L	T	M	*
	V 1 10x												
4								D	E	L	T	M	*
	V 10x												
5								D	E	L	T	M	*
	V 10x												
6								D	E	L	T	M	*
	V 10x												
7								D	E	L	T	M	*
	V 10x												
8								D	E	L	T	M	*
	V 10x												
9								D	E	L	T	M	*
	V 10x												

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

Page _____ of _____

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights Counts			D	E	L	T	M	*
10	V 10x												
11	V 10x												
12	V 10x												
13	V 10x												
14	V 10x												
15	V 10x												
16	V 10x												
17	V 10x												
18	V 10x												
19	V 10x												
20	V 10x												
21	V 10x												

OhioEPA **FISH DATA SHEET**

Sheet ID For Office Use Only: _____

New Station (requires lat/long & county) ☐ Mix Zone ☐ Page 1 of 3

Station ID _____ River Code _____ RM 0.55 Date 8/19/16 Time 9:40

Stream Euclid Creek Location DS of Lakeshore

Comments DA: 23 mi² Grad 5.9

Lat 41.5833 Long -81.5594 County _____ ALP _____ Time Fished 2172 sec

Crew Rhoades Netter Hothem*/Mattson Others Amidon Sampler Type E

Distance 200m Flow _____ Temp. C _____ Secchi _____ Source _____ Project 2016 Euclid Creek

* Crew Leader

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights (Counts)		DELT ANOMALIES (Deformities, Erosions, Lesions, Tumors; Multiple DELTs on one fish)					
1	25-002 Rainbow Trout	1	1	1.814	4 lbs (1) 1.814		D	E	L	T	M	*
	V 10x											
2	40-008 Silver redhorse	1	1	2.268	5 lbs (1)		D	E	L	T	M	*
	V 10x											
3	80-003 Yellow Perch	1	1	0.035	0.035 (1)		D	E	L	T	M	*
	V 10x											
4	43-002 Goldfish	1	1	0.050	0.050 (1)		D	E	L	T	M	*
	V 10x											
5	43-020 Emerald Shiner	5	5	0.028	0.028 (5)		D	E	L	T	M	*
	V 10x											
6	43-035 Mimic Shiner	2	2	0.008	0.008 (2)		D	E	L	T	M	*
	V 10x											
7	43-034 Sand Shiner	2	2	0.008	0.008 (2)		D	E	L	T	M	*
	V 10x											
8	87-001 Round Goby	16	16	0.031	0.030 (15) 0.001 (1)		D	E	L	T	M	*
	V 10x											
9	43-043 Bluntnose Minnow	19	19	0.072	0.060 (16) 0.012 (3)		D	E	L	T	M	*
	V 10x											

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

EPA 4508 11/4/2005

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights (Counts)			D	E	L	T	M	*
10	43-013	116	116	2.390	1.010 (48)	0.170 (3)							
	Creek Chub				0.800 (10)								
	V 10x				0.410 (55)								
11	74-003	2	2	0.014	0.014 (2)								
	White Perch												
	V 10x												
12	43-042	1	1	0.010	0.010 (1)								
	Fathead Minnow												
	V 10x												
13	43-032	6	6	0.032	0.032 (6)								
	Spotfin Shiner												
	V 10x												
14	77-006	6	6	0.050	0.050 (6)								
	Largemouth Bass												
	V 10x												
15	77-004	18	18	0.150	0.150 (18)								
	Smallmouth Bass												
	V 10x												
16	47-005	6	6	0.550	0.550 (6)								
	Brown Bullhead												
	V 10x												
17	47-004	8	8	0.220	0.220 (8)								
	Yellow Bullhead												
	V 10x												
18	40-005	3	3	0.035	0.035 (3)								
	Quillback Carpsucker												
	V 10x												
19	43-011	8	8	0.044	0.042 (7)								
	Blacknose Dace				0.002 (1)								
	V 10x												
20	43-044	87	87	0.340	0.340 (87)								
	Central Stonecroller Minnow												
	V 10x												
21	40-016	204	204	4.745	0.680 (22)	1.100 (33)							
	White Sucker				0.900 (59)	0.450 (14)							
	V 10x				0.900 (45)	0.715 (31)							

OhioEPA **FISH DATA SHEET**

Sheet ID For Office Use Only

New Station (requires lat/long & county) ☐ Mix Zone ☐

Station ID _____ River Code _____ RM 0.55 Date 8/19/16 Time 9:40

Stream Euclid Creek Location DS. Lakeshore

Comments DA 23.0, Grad 5.9

Lat 41.5833 Long -81.9594 County _____ ALP _____ Time Fished 2172

Crew Rhoades Netter Holton*/Matheson Others Amidon Sampler Type E

Distance 200m Flow _____ Temp. C _____ Secchi _____ Source _____ Project 2016 Euclid Creek

*Crew Leader

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights	Counts			DELT ANOMALIES (Deformities, Erosions, Lesions, Tumors; Multiple DELTs on one fish)					
1	77-009 Bluegill Sunfish	64	64	0.710	0.710	64			D	E	L	T	M	*
	V 10x													
2	77-013 Pumpkinseed Sunfish	10	10	0.240	0.240	10			D	E	L	T	M	*
	V 10x													
3	77-003 Rockbass	2	2	0.074	0.074	2			D	E	L	T	M	*
	V 10x													
									D	E	L	T	M	*
	V 10x													
5									D	E	L	T	M	*
	V 10x													
6									D	E	L	T	M	*
	V 10x													
7									D	E	L	T	M	*
	V 10x													
8									D	E	L	T	M	*
	V 10x													
9									D	E	L	T	M	*
	V 10x													

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

Page _____ of _____

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights Counts			D	E	L	T	M	*
10	V 10x												
11	V 10x												
12	V 10x												
13	V 10x												
14	V 10x												
15	V 10x												
16	V 10x												
17	V 10x												
18	V 10x												
19	V 10x												
20	V 10x												
21	V 10x												

OhioEPA **FISH DATA SHEET**

Sheet ID For Office Use Only: _____

New Station (requires lat/long & county) ☐ Mix Zone ☐ Page 1 of 1

Station ID _____ River Code _____ RM 2.10 Date 8/11/16 Time 1345

Stream West Creek Location Downstream I-480

Comments DA 8.7, Grad 8.6.4

Lat 41.4136 Long -81.6705 County Cuyahoga ALP _____ Time Fished 3092

Crew Meany Netter Mattson*/Phillips Others Foley/Friedman Sampler Type E

Distance 150m Flow _____ Temp. C _____ Secchi _____ Source _____ Project 2016 West Creek

* Crew Leader

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights (Counts)		DELT ANOMALIES (Deformities, Erosions, Lesions, Tumors; Multiple DELTs on one fish)					
1	43-044 Stoneroller		642		96, 103, 61, 191, 187		D	E	L	T	M	*
	V / 10x											
2	43-011 Blacknose dace		1194		261, 262, 4, 64, 95, 105, 397, 45		D	E	L	T	M	*
	V / 10x											
3	43-013 Creek chub		153		44, 26, 18, 65		D	E	L	T	M	*
	V / 10x											
4	40-016 White sucker		34		20, 14		D	E	L	T	M	*
	V / 10x											
5	47-004 Yellow bullhead		1		1		D	E	L	T	M	*
	V / 10x											
6	77-009 Blue Gill		1		1		D	E	L	T	M	*
	V / 10x											
7							D	E	L	T	M	*
	V / 10x											
8							D	E	L	T	M	*
	V / 10x											
9							D	E	L	T	M	*
	V / 10x											

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

EPA 4508 11/4/2005

Page _____ of _____

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights	Counts		D	E	L	T	M	*
10	V 10x												
11	V 10x												
12	V 10x												
13	V 10x												
14	V 10x												
15	V 10x												
16	V 10x												
17	V 10x												
18	V 10x												
19	V 10x												
20	V 10x												
21	V 10x												

OhioEPA **FISH DATA SHEET**

Sheet ID For Office Use Only: _____

New Station (requires lat/long & county) ☐ Mix Zone ☐ Page 1 of 2

Station ID _____ River Code _____ RM 0.20 Date 6/17/16 Time 10:00

Stream West Creek Location Downstream Granger Road

Comments DA 13.2, Grad 5.4

Lat 41.4145 Long -81.6477 County Cuyahoga ALP _____ Time Fished 2026

Crew Friedman Netter Matteson*/Amidon Others Ferritto Sampler Type E

Distance 0.15 km Flow _____ Temp. C _____ Secchi _____ Source _____ Project 2016 West Creek

*Crew Leader

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights	Counts		DELT ANOMALIES (Deformities, Erosions, Lesions, Tumors; Multiple DELTs on one fish) D	E	L	T	M	*
1	43-001 Common Carp V 10x		1		1								
2	40-016 White Sucker V 2 10x		192		2	190							
3	43-013 Creek Chub V 2 10x		2		2								
4	43-011 Blacknose dace V 2 10x		206		2	202	2						
5	43-044 Stoneroller minnow V 2 10x		243		2	241							
6	43-043 Bluntnose minnow V 2 10x		10		2	7	1						
7	25-002 Rainbow trout V 2 10x		2		2								
8	80-015 Greenside darter V 1 10x		1		1								
9	87-001 Round goby V 10x		2		2								

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

EPA 4508 11/4/2005

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights	Counts		D	E	L	T	M	*
10	47-004 Yellow bullhead		1			1							
	V 10x												
11	43-042 Fathead Minnow		3			2							
	V1 10x					1							
12	77-008 Green sunfish		1			1							
	V 10x												
13	43-026 Common shiner		2			2							
	V2 10x												
14	77-009 Bluegill sunfish		1			1							
	V 10x												
15	43-032 Spotfin shiner		1			1							
	V1 10x												
16	43-034 Sand shiner		54			2							
	V2 10x					8							
						44							
17													
	V 10x												
18													
	V 10x												
19													
	V 10x												
20													
	V 10x												
21													
	V 10x												

OhioEPA **FISH DATA SHEET**

Sheet ID For Office Use Only: _____

New Station (requires lat/long & county) ☐ Mix Zone ☐ Page 1 of 2

Station ID _____ River Code _____ RM 0.20 Date 7/22/16 Time 0900

Stream West Creek Location Downstream Granger Road

Comments DA 13.2, Grad 5.4

Lat 41.4145 Long -81.6472 County Cuyahoga ALP _____ Time Fished 1678

Crew J. Rhoades * Netter M. Matteson Others D. Phillips, L. Baker Sampler Type E

Distance 0.15 Flow _____ Temp. C _____ Secchi _____ Source _____ Project 296 West Creek PSP

* Crew Leader

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights (Counts)		DELT ANOMALIES (Deformities, Erosions, Lesions, Tumors; Multiple DELTs on one fish)					
1	43-044 Stoneroller		646		(181) (250) (2) (1) (119) (2) (1) (3) (81)		D	E	L	T	M	*
	V 10x											
2	43-013 Creek Chub		22		(22)		D	E	L	T	M	*
	V 10x											
3	43-043 Bluntnose minnow		26		(22) (1) (1) (2)		D	E	L	T	M	*
	V 10x											
	40-016 White Sucker		138		(3) (4) (131)		D	E	L	T	M	*
	V 10x											
5	43-011 Blacknose Dace		284		(1) (1) (245) (24) (3) (9) (1)		D	E	L	T	M	*
	V 10x											
6	47-008 Stonecat madtom		1		(1)		D	E	L	T	M	*
1	(V) 10x											
7	47-004 Yellow Bullhead		3		(1) (1) (1)		D	E	L	T	M	*
	V 10x											
8	40-015 Northern Hogsucker		4		(2) (2)		D	E	L	T	M	*
2	(V) 10x											
9	40-010 Golden Redhorse		2		(1) (1)		D	E	L	T	M	*
	V 10x											

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

EPA 4508 11/4/2005

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights	Counts		D	E	L	T	M	*
10	40-005 Quillback Carpsucker		1			1							
	V 10x												
11	43-003 Golden Shiner		1			1							
	V 10x												
12	43-039 Silverjaw Minnow		4			1 3							
	V 10x												
13	87-001 Round Goby		2			1 1							
	V 10x												
14	80-022 Rainbow Darter		2			1 1							
	V 10x												
15	43-001 Carp		1			1							
	V 10x												
16	43-034 Sand Shiner		116			80 1 34 1							
	V 10x												
17	43-026 Common Shiner		10			10							
	V 10x												
18	43-042 Fathead Minnow		6			6							
	V 10x												
19													
	V 10x												
20													
	V 10x												
21													
	V 10x												

Attachment F

2016 Water Chemistry Results

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	*CaCO3		220	mg/LCaCO3	18-Aug-16	1		EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	*CaCO3		180	mg/LCaCO3	17-Aug-16	1		EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	*CaCO3		179	mg/LCaCO3	24-Aug-16	1		EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	*CaCO3		197	mg/LCaCO3	31-Aug-16	1		EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	*CaCO3		134	mg/LCaCO3	11-Oct-16	1		EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Ag	<	0.228	ug/L	18-Aug-16	0.228	1	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Ag	<	0.228	ug/L	17-Aug-16	0.228	1	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Ag	<	0.228	ug/L	24-Aug-16	0.228	1	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Ag	<	0.228	ug/L	31-Aug-16	0.228	1	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Ag	<	0.228	ug/L	11-Oct-16	0.228	1	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Al		25.58	ug/L	18-Aug-16	4.282	10	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Al		45.08	ug/L	17-Aug-16	4.282	10	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Al		298.9	ug/L	24-Aug-16	4.282	10	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Al		46.22	ug/L	31-Aug-16	4.282	10	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Al		113.8	ug/L	11-Oct-16	4.282	10	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Alkalinity		110	mg/LCaCO3	27-Jul-16	4.3	10	EPA-310.2
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Alkalinity		109.5	mg/LCaCO3	4-Aug-16	4.3	10	EPA-310.2
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Alkalinity		96.2	mg/LCaCO3	11-Aug-16	4.3	10	EPA-310.2
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Alkalinity		107.8	mg/LCaCO3	18-Aug-16	4.3	10	EPA-310.2
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Alkalinity		74.8	mg/LCaCO3	26-Aug-16	4.3	10	EPA-310.2
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	As	<	2	ug/L	18-Aug-16	2	4	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	As	<	2	ug/L	17-Aug-16	2	4	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	As	<	2	ug/L	24-Aug-16	2	4	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	As	<	2	ug/L	31-Aug-16	2	4	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	As	<	2	ug/L	11-Oct-16	2	4	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Ba		30.36	ug/L	18-Aug-16	0.218	1	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Ba		25.1	ug/L	17-Aug-16	0.218	1	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Ba		25.36	ug/L	24-Aug-16	0.218	1	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Ba		29.48	ug/L	31-Aug-16	0.218	1	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Ba		21.03	ug/L	11-Oct-16	0.218	1	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Be	<	0.218	ug/L	18-Aug-16	0.218	1	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Be	<	0.218	ug/L	17-Aug-16	0.218	1	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Be	<	0.218	ug/L	24-Aug-16	0.218	1	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Be	<	0.218	ug/L	1-Sep-16	0.218	1	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Be	<	0.218	ug/L	11-Oct-16	0.218	1	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	BOD		3.6	mg/L	27-Jul-16	2		SM 5210
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	BOD	<	2	mg/L	3-Aug-16	2		SM 5210
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	BOD	<	2	mg/L	10-Aug-16	2		SM 5210
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	BOD	<	2	mg/L	16-Aug-16	2		SM 5210
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	BOD	<	2	mg/L	23-Aug-16	2		SM 5210

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Ca		57390	ug/L	18-Aug-16	55.83	250	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Ca		48840	ug/L	17-Aug-16	55.83	250	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Ca		50960	ug/L	24-Aug-16	55.83	250	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Ca		54890	ug/L	31-Aug-16	55.83	250	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Ca		38250	ug/L	11-Oct-16	55.83	250	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Cd	<	0.11	ug/L	18-Aug-16	0.11	1	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Cd	<	0.11	ug/L	17-Aug-16	0.11	1	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Cd	<	0.11	ug/L	24-Aug-16	0.11	1	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Cd	<	0.11	ug/L	31-Aug-16	0.11	1	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Cd	<	0.11	ug/L	11-Oct-16	0.11	1	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Chloride		154.9	mg/L	28-Jul-16	2	5	EPA 300.0
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Chloride		133.3	mg/L	11-Aug-16	2	5	EPA 300.0
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Chloride		113.8	mg/L	13-Aug-16	2	5	EPA 300.0
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Chloride		161.6	mg/L	19-Aug-16	2	5	EPA 300.0
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Chloride		110	mg/L	26-Aug-16	2	5	EPA 300.0
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Co	j	0.195	ug/L	18-Aug-16	0.102	1	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Co	j	0.174	ug/L	17-Aug-16	0.102	1	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Co	j	0.424	ug/L	24-Aug-16	0.102	1	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Co	j	0.168	ug/L	31-Aug-16	0.102	1	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Co	j	0.21	ug/L	11-Oct-16	0.102	1	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	COD		12.8	mg/L	28-Jul-16	2.1	10	EPA 410.4
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	COD		14.1	mg/L	4-Aug-16	2.1	10	EPA 410.4
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	COD		12	mg/L	15-Aug-16	2.1	10	EPA 410.4
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	COD		14.6	mg/L	23-Aug-16	2.1	10	EPA 410.4
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	COD		24	mg/L	24-Aug-16	2.1	10	EPA 410.4
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Conduct		920.2	uS/cm	8-Aug-16	0.2	1	SM 2510B
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Conduct		813.7	uS/cm	8-Aug-16	0.2	1	SM 2510B
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Conduct		715.5	uS/cm	19-Aug-16	0.2	1	SM 2510B
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Conduct		919	uS/cm	19-Aug-16	0.2	1	SM 2510B
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Conduct	HT	642	uS/cm	21-Sep-16	0.2	1	SM 2510B
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Cr	j	1.83	ug/L	18-Aug-16	0.168	2	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Cr	j	1.701	ug/L	17-Aug-16	0.168	2	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Cr	j	1.461	ug/L	24-Aug-16	0.168	2	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Cr	j	1.138	ug/L	31-Aug-16	0.168	2	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Cr	j	1.136	ug/L	11-Oct-16	0.168	2	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Cu		2.714	ug/L	18-Aug-16	0.966	2	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Cu		2.462	ug/L	17-Aug-16	0.966	2	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Cu		2.671	ug/L	24-Aug-16	0.704	2	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Cu		2.878	ug/L	31-Aug-16	0.704	2	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Cu		2.605	ug/L	11-Oct-16	0.704	2	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	DRPhos		0.09	mg/L	27-Jul-16	0.005	0.01	EPA 365.1
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	DRPhos		0.083	mg/L	2-Aug-16	0.005	0.01	EPA 365.1
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	DRPhos		0.116	mg/L	10-Aug-16	0.005	0.01	EPA 365.1
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	DRPhos		0.084	mg/L	17-Aug-16	0.005	0.01	EPA 365.1
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	DRPhos		0.065	mg/L	24-Aug-16	0.005	0.01	EPA 365.1
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	E. coli		793	MPN/100 mL	26-Jul-16	1		SM 9223 Colilert
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	E. coli		830	MPN/100 mL	2-Aug-16	1		SM 9223 Colilert
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	E. coli		626	MPN/100 mL	9-Aug-16	1		SM 9223 Colilert
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	E. coli		1050	MPN/100 mL	16-Aug-16	1		SM 9223 Colilert
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	E. coli		1050	MPN/100 mL	16-Aug-16	1		
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	E. coli		2918	MPN/100 mL	23-Aug-16	1		SM 9223 Colilert
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Fe		168.3	ug/L	18-Aug-16	4.016	10	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Fe		200.3	ug/L	17-Aug-16	4.016	10	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Fe		586	ug/L	24-Aug-16	4.016	10	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Fe		201	ug/L	31-Aug-16	4.016	10	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Fe		365.7	ug/L	11-Oct-16	4.016	10	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Field Cond		844	umhos/cm				SM 2510A
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Field Cond		844	umhos/cm				SM 2510B
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Field Cond		886	umhos/cm				SM 2510A
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Field Cond		886	umhos/cm				SM 2510B
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Field Cond		749.5	umhos/cm				SM 2510A
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Field Cond		749.5	umhos/cm				SM 2510B
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Field Cond		800.4	umhos/cm				SM 2510A
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Field Cond		800.4	umhos/cm				SM 2510B
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Field Cond		687	umhos/cm				SM 2510A
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Field Cond		687	umhos/cm				SM 2510B
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Field Cond		746	umhos/cm				SM 2510A
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Field Cond		746	umhos/cm				SM 2510B
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Field Cond		885.2	umhos/cm				SM 2510A
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Field Cond		885.2	umhos/cm				SM 2510B
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Field Cond		917	umhos/cm				SM 2510A
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Field Cond		917	umhos/cm				SM 2510B
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Field Cond		576	umhos/cm				SM 2510A
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Field Cond		576	umhos/cm				SM 2510B
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Field Cond		659.1	umhos/cm				SM 2510A
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Field Cond		659.1	umhos/cm				SM 2510B
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Field DO		8.39	mg/L				SM 4500-0 G
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Field DO		8.39	mg/L				
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Field DO		97.1	%				SM 4500-0 G
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Field DO		97.1	%				

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Field DO		103	%				SM 4500-0 G
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Field DO		103	%				
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Field DO		8.81	mg/L				SM 4500-0 G
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Field DO		8.81	mg/L				
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Field DO		8.9	mg/L				SM 4500-0 G
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Field DO		8.9	mg/L				
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Field DO		99.8	%				SM 4500-0 G
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Field DO		99.8	%				
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Field DO		8.53	mg/L				SM 4500-0 G
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Field DO		8.53	mg/L				
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Field DO		99.8	%				SM 4500-0 G
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Field DO		99.8	%				
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Field DO		9.23	mg/L				SM 4500-0 G
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Field DO		9.23	mg/L				
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Field DO		98.6	%				SM 4500-0 G
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Field DO		98.6	%				
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Field Temp		22.5	C				EPA 170.1
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Field Temp		21.7	C				EPA 170.1
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Field Temp		20.9	C				EPA 170.1
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Field Temp		23.1	C				EPA 170.1
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Field Temp		18.5	C				EPA 170.1
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Hg	<	0.005	ug/L	2-Aug-16	0.005	0.05	EPA 245.1
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Hg	<	0.005	ug/L	5-Aug-16	0.005	0.05	EPA 245.1
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Hg	<	0.005	ug/L	15-Aug-16	0.005	0.05	EPA 245.1
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Hg	<	0.005	ug/L	24-Aug-16	0.005	0.05	EPA 245.1
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Hg	<	0.005	ug/L	30-Aug-16	0.005	0.05	EPA 245.1
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	K		4395	ug/L	18-Aug-16	162.4	500	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	K		3817	ug/L	17-Aug-16	162.4	500	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	K		3386	ug/L	24-Aug-16	162.4	1000	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	K		4187	ug/L	31-Aug-16	162.4	1000	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	K		3110	ug/L	11-Oct-16	162.4	1000	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Mg		18560	ug/L	18-Aug-16	23.49	250	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Mg		14210	ug/L	17-Aug-16	23.49	250	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Mg		12570	ug/L	24-Aug-16	23.49	250	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Mg		14570	ug/L	31-Aug-16	23.49	250	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Mg		9386	ug/L	11-Oct-16	23.49	250	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Mn		10.18	ug/L	18-Aug-16	0.164	2	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Mn		10.92	ug/L	17-Aug-16	0.164	2	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Mn		15.41	ug/L	24-Aug-16	0.164	2	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Mn		8.558	ug/L	31-Aug-16	0.164	2	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Mn		10.39	ug/L	11-Oct-16	0.164	2	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Mo		3.872	ug/L	18-Aug-16	0.18	1	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Mo		3.958	ug/L	17-Aug-16	0.18	1	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Mo		3.782	ug/L	24-Aug-16	0.18	1	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Mo		4.652	ug/L	31-Aug-16	0.18	1	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Mo		2.818	ug/L	11-Oct-16	0.18	1	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Na		90060	ug/L	18-Aug-16	169	500	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Na		84750	ug/L	17-Aug-16	169	500	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Na		71280	ug/L	24-Aug-16	169	500	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Na		107200	ug/L	31-Aug-16	169	500	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Na		67220	ug/L	11-Oct-16	169	500	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	NH3		0.024	mg/L	27-Jul-16	0.009	0.02	EPA-350.1
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	NH3	<	0.009	mg/L	3-Aug-16	0.009	0.02	EPA-350.1
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	NH3	j	0.017	mg/L	10-Aug-16	0.009	0.02	EPA-350.1
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	NH3	<	0.009	mg/L	17-Aug-16	0.009	0.02	EPA-350.1
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	NH3	<	0.009	mg/L	24-Aug-16	0.009	0.02	EPA-350.1
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Ni	j	2.336	ug/L	18-Aug-16	0.414	4	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Ni	j	2.418	ug/L	17-Aug-16	0.414	4	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Ni	j	3.043	ug/L	24-Aug-16	0.414	4	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Ni	j	2.566	ug/L	31-Aug-16	0.414	4	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Ni	j	2.352	ug/L	11-Oct-16	0.414	4	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	NO2	<	0.008	mg/L	27-Jul-16	0.008	0.02	EPA 300.0
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	NO2	<	0.008	mg/L	27-Jul-16	0.008	0.02	SM 4500-NO2-B
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	NO2	<	0.008	mg/L	3-Aug-16	0.008	0.02	EPA 300.0
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	NO2	<	0.008	mg/L	3-Aug-16	0.008	0.02	SM 4500-NO2-B
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	NO2	<	0.008	mg/L	10-Aug-16	0.008	0.02	EPA 300.0
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	NO2	<	0.008	mg/L	10-Aug-16	0.008	0.02	SM 4500-NO2-B
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	NO2	<	0.008	mg/L	17-Aug-16	0.008	0.02	EPA 300.0
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	NO2	<	0.008	mg/L	17-Aug-16	0.008	0.02	SM 4500-NO2-B
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	NO2	j	0.009	mg/L	24-Aug-16	0.008	0.02	EPA 300.0
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	NO2	j	0.009	mg/L	24-Aug-16	0.008	0.02	SM 4500-NO2-B
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	NO3		0.306	mg/L	27-Jul-16	0.007	0.02	EPA 300.0
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	NO3		0.306	mg/L	27-Jul-16	0.007	0.02	EPA 353.2
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	NO3		0.399	mg/L	3-Aug-16	0.007	0.02	EPA 300.0
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	NO3		0.399	mg/L	3-Aug-16	0.007	0.02	EPA 353.2
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	NO3		0.214	mg/L	10-Aug-16	0.007	0.02	EPA 300.0
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	NO3		0.214	mg/L	10-Aug-16	0.007	0.02	EPA 353.2
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	NO3		0.617	mg/L	17-Aug-16	0.007	0.02	EPA 300.0
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	NO3		0.617	mg/L	17-Aug-16	0.007	0.02	EPA 353.2
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	NO3		0.488	mg/L	24-Aug-16	0.007	0.02	EPA 300.0

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	NO3		0.488	mg/L	24-Aug-16	0.007	0.02	EPA 353.2
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	NO3+NO2		0.306	mg/L	27-Jul-16	0.007	0.02	EPA 353.2
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	NO3+NO2		0.399	mg/L	3-Aug-16	0.007	0.02	EPA 353.2
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	NO3+NO2		0.214	mg/L	10-Aug-16	0.007	0.02	EPA 353.2
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	NO3+NO2		0.617	mg/L	17-Aug-16	0.007	0.02	EPA 353.2
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	NO3+NO2		0.497	mg/L	24-Aug-16	0.007	0.02	EPA 353.2
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Pb	j	0.18	ug/L	18-Aug-16	0.11	1	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Pb	j	0.199	ug/L	17-Aug-16	0.11	1	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Pb	j	0.819	ug/L	24-Aug-16	0.11	1	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Pb	j	0.193	ug/L	31-Aug-16	0.11	1	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Pb	j	0.526	ug/L	11-Oct-16	0.11	1	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	pH		8.21	S.U.				EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	pH		8.21	S.U.				
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	pH		7.97	S.U.				EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	pH		7.97	S.U.				
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	pH		8.2	S.U.				EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	pH		8.2	S.U.				
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	pH		7.97	S.U.				EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	pH		7.97	S.U.				
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	pH		7.71	S.U.				EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	pH		7.71	S.U.				
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Sb	j	0.396	ug/L	18-Aug-16	0.236	1	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Sb	j	0.502	ug/L	17-Aug-16	0.236	1	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Sb	j	0.398	ug/L	24-Aug-16	0.236	1	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Sb	j	0.505	ug/L	31-Aug-16	0.236	1	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Sb	j	0.482	ug/L	11-Oct-16	0.236	1	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Se	<	1.034	ug/L	18-Aug-16	1.034	5	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Se	<	1.034	ug/L	17-Aug-16	1.034	5	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Se	<	1.034	ug/L	24-Aug-16	1.034	5	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Se	<	1.034	ug/L	31-Aug-16	1.034	5	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Se	<	1.034	ug/L	11-Oct-16	1.034	5	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Sn	<	0.336	ug/L	18-Aug-16	0.336	1	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Sn	<	0.336	ug/L	17-Aug-16	0.336	1	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Sn	<	0.336	ug/L	24-Aug-16	0.336	1	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Sn	<	0.336	ug/L	31-Aug-16	0.336	1	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Sn	<	0.336	ug/L	11-Oct-16	0.336	1	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	SO4		80.19	mg/L	28-Jul-16	0.5	5	EPA 300.0
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	SO4		64.5	mg/L	11-Aug-16	0.5	5	EPA 300.0
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	SO4		52.21	mg/L	13-Aug-16	0.5	5	EPA 300.0
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	SO4		70.24	mg/L	19-Aug-16	0.5	5	EPA 300.0

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	SO4		49.03	mg/L	26-Aug-16	0.5	5	EPA 300.0
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Sr		304.552	ug/L	18-Aug-16	0.234	1	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Sr		263.695	ug/L	17-Aug-16	0.234	1	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Sr		266.901	ug/L	24-Aug-16	0.234	1	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Sr		304.859	ug/L	31-Aug-16	0.234	1	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Sr		204.477	ug/L	11-Oct-16	0.234	1	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	TDS		545	mg/L	28-Jul-16	1	5	SM2540C
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	TDS		476	mg/L	3-Aug-16	1	5	SM2540C
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	TDS		434	mg/L	10-Aug-16	1	5	SM2540C
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	TDS		554	mg/L	18-Aug-16	1	5	SM2540C
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	TDS		334	mg/L	25-Aug-16	1	5	SM2540C
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Ti	j	1.192	ug/L	18-Aug-16	0.692	2	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Ti	j	1.891	ug/L	17-Aug-16	0.692	2	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Ti		4	ug/L	24-Aug-16	0.692	2	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Ti	j	1.056	ug/L	31-Aug-16	0.692	2	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Ti		2.113	ug/L	11-Oct-16	0.692	2	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	TKN		1.255	mg/L	29-Jul-16	0.242	0.5	EPA-351.1
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	TKN	<	0.242	mg/L	8-Aug-16	0.242	0.5	EPA-351.1
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	TKN	j	0.29	mg/L	12-Aug-16	0.242	0.5	EPA-351.1
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	TKN	j	0.402	mg/L	18-Aug-16	0.242	0.5	EPA-351.1
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	TKN	j	0.417	mg/L	29-Aug-16	0.242	0.5	EPA-351.1
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Tl	<	0.236	ug/L	18-Aug-16	0.236	1	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Tl	<	0.236	ug/L	17-Aug-16	0.236	1	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Tl	<	0.236	ug/L	24-Aug-16	0.236	1	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Tl	<	0.236	ug/L	31-Aug-16	0.236	1	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Tl	<	0.236	ug/L	11-Oct-16	0.236	1	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	TMET	<	10	ug/L	18-Aug-16	10		EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	TMET	<	10	ug/L	17-Aug-16	10		EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	TMET		13.1	ug/L	24-Aug-16	10		EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	TMET	<	10	ug/L	31-Aug-16	10		EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	TMET		11.3	ug/L	11-Oct-16	10		EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Total-P		0.109	mg/L	27-Jul-16	0.003	0.01	EPA 365.1
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Total-P		0.098	mg/L	3-Aug-16	0.003	0.01	EPA 365.1
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Total-P		0.155	mg/L	12-Aug-16	0.003	0.01	EPA 365.1
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Total-P		0.102	mg/L	18-Aug-16	0.003	0.01	EPA 365.1
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Total-P		0.108	mg/L	25-Aug-16	0.003	0.01	EPA 365.1
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	TS		558	mg/L	26-Jul-16	1	5	SM2540B
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	TS		492	mg/L	3-Aug-16	1	5	SM2540B
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	TS		468	mg/L	10-Aug-16	1	5	SM2540B
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	TS		540	mg/L	17-Aug-16	1	5	SM2540B

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	TS		404	mg/L	26-Aug-16	1	5	SM2540B
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	TSS		1.5	mg/L	27-Jul-16	0.5	1	SM2540D
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	TSS		1.5	mg/L	3-Aug-16	0.5	1	SM2540D
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	TSS		19.3	mg/L	10-Aug-16	0.5	1	SM2540D
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	TSS	j	0.8	mg/L	17-Aug-16	0.5	1	SM2540D
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	TSS		3.9	mg/L	25-Aug-16	0.5	1	SM2540D
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Turbidity		1.23	NTU				EPA 180.1
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Turbidity		3.16	NTU				EPA 180.1
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Turbidity		22.4	NTU				EPA 180.1
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Turbidity		2.44	NTU				EPA 180.1
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Turbidity		6.79	NTU				EPA 180.1
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	V	<	2.676	ug/L	18-Aug-16	2.676	10	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	V	<	2.676	ug/L	17-Aug-16	2.676	10	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	V	<	2.676	ug/L	24-Aug-16	2.676	10	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	V	<	2.676	ug/L	31-Aug-16	2.676	10	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	V	<	2.676	ug/L	11-Oct-16	2.676	10	EPA-200.8
Big Creek	River Mile 4.40	7/26/2016 10:00	R-1607200007	Zn	j	0.838	ug/L	18-Aug-16	0.664	10	EPA-200.8
Big Creek	River Mile 4.40	8/2/2016 10:15	R-1607280003	Zn	j	2.701	ug/L	17-Aug-16	0.664	10	EPA-200.8
Big Creek	River Mile 4.40	8/9/2016 10:00	R-1608020024	Zn	j	5.969	ug/L	24-Aug-16	0.664	10	EPA-200.8
Big Creek	River Mile 4.40	8/16/2016 9:35	R-1608110004	Zn	j	3.097	ug/L	31-Aug-16	0.664	10	EPA-200.8
Big Creek	River Mile 4.40	8/23/2016 10:12	R-1608190003	Zn	j	5.191	ug/L	11-Oct-16	0.664	10	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	*CaCO3		198	mg/LCaCO3	18-Aug-16	1		EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	*CaCO3		176	mg/LCaCO3	17-Aug-16	1		EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	*CaCO3		197	mg/LCaCO3	24-Aug-16	1		EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	*CaCO3		208	mg/LCaCO3	31-Aug-16	1		EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	*CaCO3		138	mg/LCaCO3	11-Oct-16	1		EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Ag	<	0.228	ug/L	18-Aug-16	0.228	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Ag	<	0.228	ug/L	17-Aug-16	0.228	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Ag	<	0.228	ug/L	24-Aug-16	0.228	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Ag	<	0.228	ug/L	31-Aug-16	0.228	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Ag	<	0.228	ug/L	11-Oct-16	0.228	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Al		33.75	ug/L	18-Aug-16	4.282	10	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Al		82.27	ug/L	17-Aug-16	4.282	10	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Al		69.87	ug/L	24-Aug-16	4.282	10	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Al		89.94	ug/L	31-Aug-16	4.282	10	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Al		135.5	ug/L	11-Oct-16	4.282	10	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Alkalinity		115.7	mg/LCaCO3	27-Jul-16	4.3	10	EPA-310.2
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Alkalinity		106.6	mg/LCaCO3	4-Aug-16	4.3	10	EPA-310.2
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Alkalinity		110.2	mg/LCaCO3	11-Aug-16	4.3	10	EPA-310.2
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Alkalinity		114.3	mg/LCaCO3	18-Aug-16	4.3	10	EPA-310.2
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Alkalinity		78.5	mg/LCaCO3	26-Aug-16	4.3	10	EPA-310.2
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	As	<	2	ug/L	18-Aug-16	2	4	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	As	<	2	ug/L	17-Aug-16	2	4	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	As	<	2	ug/L	24-Aug-16	2	4	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	As	<	2	ug/L	31-Aug-16	2	4	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	As	<	2	ug/L	11-Oct-16	2	4	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Ba		35.93	ug/L	18-Aug-16	0.218	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Ba		31.21	ug/L	17-Aug-16	0.218	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Ba		34.21	ug/L	24-Aug-16	0.218	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Ba		37.64	ug/L	31-Aug-16	0.218	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Ba		24.61	ug/L	11-Oct-16	0.218	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Be	<	0.218	ug/L	18-Aug-16	0.218	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Be	<	0.218	ug/L	17-Aug-16	0.218	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Be	<	0.218	ug/L	24-Aug-16	0.218	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Be	<	0.218	ug/L	1-Sep-16	0.218	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Be	<	0.218	ug/L	11-Oct-16	0.218	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	BOD		2.2	mg/L	27-Jul-16	2		SM 5210
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	BOD	<	2	mg/L	3-Aug-16	2		SM 5210
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	BOD	<	2	mg/L	10-Aug-16	2		SM 5210
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	BOD	<	2	mg/L	16-Aug-16	2		SM 5210
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	BOD	<	2	mg/L	23-Aug-16	2		SM 5210
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Ca		54320	ug/L	18-Aug-16	55.83	250	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Ca		48230	ug/L	17-Aug-16	55.83	250	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Ca		56380	ug/L	24-Aug-16	55.83	250	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Ca		60600	ug/L	31-Aug-16	55.83	250	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Ca		40140	ug/L	11-Oct-16	55.83	250	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Cd	<	0.11	ug/L	18-Aug-16	0.11	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Cd	<	0.11	ug/L	17-Aug-16	0.11	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Cd	<	0.11	ug/L	24-Aug-16	0.11	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Cd	<	0.11	ug/L	31-Aug-16	0.11	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Cd	<	0.11	ug/L	11-Oct-16	0.11	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Chloride		228.3	mg/L	28-Jul-16	4	10	EPA 300.0
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Chloride		161	mg/L	11-Aug-16	2	5	EPA 300.0
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Chloride		188.6	mg/L	13-Aug-16	2	5	EPA 300.0
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Chloride		220.9	mg/L	19-Aug-16	4	10	EPA 300.0
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Chloride		140.9	mg/L	26-Aug-16	2	5	EPA 300.0
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Co	j	0.256	ug/L	18-Aug-16	0.102	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Co	j	0.27	ug/L	17-Aug-16	0.102	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Co	j	0.263	ug/L	24-Aug-16	0.102	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Co	j	0.258	ug/L	31-Aug-16	0.102	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Co	j	0.233	ug/L	11-Oct-16	0.102	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	COD		20.5	mg/L	28-Jul-16	2.1	10	EPA 410.4
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	COD		19.4	mg/L	4-Aug-16	2.1	10	EPA 410.4
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	COD		17	mg/L	15-Aug-16	2.1	10	EPA 410.4
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	COD		20	mg/L	23-Aug-16	2.1	10	EPA 410.4
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	COD		20	mg/L	24-Aug-16	2.1	10	EPA 410.4
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Conduct		1.144	uS/cm	8-Aug-16	0.2	1	SM 2510B
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Conduct		897.9	uS/cm	8-Aug-16	0.2	1	SM 2510B
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Conduct		994.1	uS/cm	19-Aug-16	0.2	1	SM 2510B
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Conduct		1146	uS/cm	19-Aug-16	0.2	1	SM 2510B
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Conduct	HT	755.5	uS/cm	21-Sep-16	0.2	1	SM 2510B
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Cr	j	1.708	ug/L	18-Aug-16	0.168	2	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Cr	<	0.168	ug/L	17-Aug-16	0.168	2	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Cr	j	0.995	ug/L	24-Aug-16	0.168	2	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Cr	j	1.104	ug/L	31-Aug-16	0.168	2	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Cr	j	1.134	ug/L	11-Oct-16	0.168	2	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Cu		2.946	ug/L	18-Aug-16	0.966	2	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Cu	<	0.966	ug/L	17-Aug-16	0.966	2	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Cu		2.672	ug/L	24-Aug-16	0.704	2	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Cu		3.43	ug/L	31-Aug-16	0.704	2	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Cu		2.596	ug/L	11-Oct-16	0.704	2	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	DRPhos		0.07	mg/L	27-Jul-16	0.005	0.01	EPA 365.1
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	DRPhos		0.063	mg/L	2-Aug-16	0.005	0.01	EPA 365.1

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	DRPhos		0.061	mg/L	10-Aug-16	0.005	0.01	EPA 365.1
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	DRPhos		0.06	mg/L	17-Aug-16	0.005	0.01	EPA 365.1
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	DRPhos		0.039	mg/L	24-Aug-16	0.005	0.01	EPA 365.1
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	E. coli		898	MPN/100 mL	26-Jul-16	1		SM 9223 Colilert
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	E. coli		898	MPN/100 mL	26-Jul-16	1		
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	E. coli		1903	MPN/100 mL	2-Aug-16	1		SM 9223 Colilert
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	E. coli		3285	MPN/100 mL	9-Aug-16	1		SM 9223 Colilert
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	E. coli		1814	MPN/100 mL	16-Aug-16	1		SM 9223 Colilert
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	E. coli		1814	MPN/100 mL	16-Aug-16	1		
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	E. coli		3642	MPN/100 mL	23-Aug-16	1		SM 9223 Colilert
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	E. coli		3642	MPN/100 mL	23-Aug-16	1		
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Fe		258.1	ug/L	18-Aug-16	4.016	10	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Fe		353	ug/L	17-Aug-16	4.016	10	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Fe		336.7	ug/L	24-Aug-16	4.016	10	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Fe		363.6	ug/L	31-Aug-16	4.016	10	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Fe		410.8	ug/L	11-Oct-16	4.016	10	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Field Cond		1114	umhos/cm				SM 2510A
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Field Cond		1114	umhos/cm				SM 2510B
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Field Cond		1124	umhos/cm				SM 2510A
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Field Cond		1124	umhos/cm				SM 2510B
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Field Cond		868.4	umhos/cm				SM 2510A
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Field Cond		868.4	umhos/cm				SM 2510B
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Field Cond		889.3	umhos/cm				SM 2510A
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Field Cond		889.3	umhos/cm				SM 2510B
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Field Cond		1033	umhos/cm				SM 2510A
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Field Cond		1033	umhos/cm				SM 2510B
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Field Cond		983	umhos/cm				SM 2510A
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Field Cond		983	umhos/cm				SM 2510B
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Field Cond		1124	umhos/cm				SM 2510A
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Field Cond		1124	umhos/cm				SM 2510B
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Field Cond		1155	umhos/cm				SM 2510A
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Field Cond		1155	umhos/cm				SM 2510B
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Field Cond		679.4	umhos/cm				SM 2510A
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Field Cond		679.4	umhos/cm				SM 2510B
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Field Cond		758.5	umhos/cm				SM 2510A
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Field Cond		758.5	umhos/cm				SM 2510B
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Field DO		7.03	mg/L				SM 4500-0 G
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Field DO		7.03	mg/L				
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Field DO		84.5	%				SM 4500-0 G
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Field DO		84.5	%				
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Field DO		7.41	mg/L				SM 4500-0 G

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Field DO		7.41	mg/L				
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Field DO		87.9	%				SM 4500-0 G
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Field DO		87.9	%				
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Field DO		8.14	mg/L				SM 4500-0 G
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Field DO		8.14	mg/L				
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Field DO		96.5	%				SM 4500-0 G
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Field DO		96.5	%				
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Field DO		7.92	mg/L				SM 4500-0 G
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Field DO		7.92	mg/L				
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Field DO		93.7	%				SM 4500-0 G
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Field DO		93.7	%				
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Field DO		8.55	mg/L				SM 4500-0 G
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Field DO		8.55	mg/L				
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Field DO		93.4	%				SM 4500-0 G
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Field DO		93.4	%				
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Field Temp		24.5	C				EPA 170.1
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Field Temp		23.8	C				EPA 170.1
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Field Temp		22.5	C				EPA 170.1
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Field Temp		23.6	C				EPA 170.1
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Field Temp		19.5	C				EPA 170.1
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Hg	<	0.005	ug/L	2-Aug-16	0.005	0.05	EPA 245.1
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Hg	<	0.005	ug/L	5-Aug-16	0.005	0.05	EPA 245.1
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Hg	<	0.005	ug/L	15-Aug-16	0.005	0.05	EPA 245.1
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Hg	<	0.005	ug/L	24-Aug-16	0.005	0.05	EPA 245.1
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Hg	<	0.005	ug/L	30-Aug-16	0.005	0.05	EPA 245.1
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	K		5472	ug/L	18-Aug-16	162.4	500	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	K		4265	ug/L	17-Aug-16	162.4	500	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	K		4833	ug/L	24-Aug-16	162.4	1000	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	K		4981	ug/L	31-Aug-16	162.4	500	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	K		3533	ug/L	11-Oct-16	162.4	1000	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Mg		15190	ug/L	18-Aug-16	23.49	250	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Mg		13490	ug/L	17-Aug-16	23.49	250	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Mg		13580	ug/L	24-Aug-16	23.49	250	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Mg		13660	ug/L	31-Aug-16	23.49	250	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Mg		9062	ug/L	11-Oct-16	23.49	250	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Mn		34.56	ug/L	18-Aug-16	0.164	2	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Mn		48.6	ug/L	17-Aug-16	0.164	2	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Mn		42.79	ug/L	24-Aug-16	0.164	2	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Mn		32.66	ug/L	31-Aug-16	0.164	2	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Mn		24.05	ug/L	11-Oct-16	0.164	2	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Mo		8.112	ug/L	18-Aug-16	0.18	1	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Mo		7.039	ug/L	17-Aug-16	0.18	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Mo		9.746	ug/L	24-Aug-16	0.18	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Mo		8.431	ug/L	31-Aug-16	0.18	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Mo		4.552	ug/L	11-Oct-16	0.18	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Na		129800	ug/L	18-Aug-16	169	500	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Na		104500	ug/L	17-Aug-16	169	500	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Na		124900	ug/L	24-Aug-16	169	500	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Na		147000	ug/L	31-Aug-16	169	500	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Na		93080	ug/L	11-Oct-16	169	500	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	NH3		0.073	mg/L	27-Jul-16	0.009	0.02	EPA-350.1
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	NH3		0.073	mg/L	3-Aug-16	0.009	0.02	EPA-350.1
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	NH3		0.061	mg/L	10-Aug-16	0.009	0.02	EPA-350.1
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	NH3		0.06	mg/L	17-Aug-16	0.009	0.02	EPA-350.1
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	NH3		0.034	mg/L	24-Aug-16	0.009	0.02	EPA-350.1
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Ni	j	2.942	ug/L	18-Aug-16	0.414	4	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Ni	j	3.239	ug/L	17-Aug-16	0.414	4	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Ni		4.12	ug/L	24-Aug-16	0.414	4	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Ni	j	3.862	ug/L	31-Aug-16	0.414	4	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Ni	j	2.519	ug/L	11-Oct-16	0.414	4	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	NO2		0.023	mg/L	27-Jul-16	0.008	0.02	EPA 300.0
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	NO2		0.023	mg/L	27-Jul-16	0.008	0.02	SM 4500-NO2-B
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	NO2	j	0.018	mg/L	3-Aug-16	0.008	0.02	EPA 300.0
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	NO2	j	0.018	mg/L	3-Aug-16	0.008	0.02	SM 4500-NO2-B
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	NO2	j	0.011	mg/L	10-Aug-16	0.008	0.02	EPA 300.0
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	NO2	j	0.011	mg/L	10-Aug-16	0.008	0.02	SM 4500-NO2-B
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	NO2	<	0.008	mg/L	17-Aug-16	0.008	0.02	EPA 300.0
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	NO2	<	0.008	mg/L	17-Aug-16	0.008	0.02	SM 4500-NO2-B
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	NO2	<	0.008	mg/L	24-Aug-16	0.008	0.02	EPA 300.0
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	NO2	<	0.008	mg/L	24-Aug-16	0.008	0.02	SM 4500-NO2-B
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	NO3		0.345	mg/L	27-Jul-16	0.007	0.02	EPA 300.0
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	NO3		0.345	mg/L	27-Jul-16	0.007	0.02	EPA 353.2
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	NO3		0.31	mg/L	3-Aug-16	0.007	0.02	EPA 300.0
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	NO3		0.31	mg/L	3-Aug-16	0.007	0.02	EPA 353.2
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	NO3		0.172	mg/L	10-Aug-16	0.007	0.02	EPA 300.0
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	NO3		0.172	mg/L	10-Aug-16	0.007	0.02	EPA 353.2
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	NO3		0.518	mg/L	17-Aug-16	0.007	0.02	EPA 300.0
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	NO3		0.518	mg/L	17-Aug-16	0.007	0.02	EPA 353.2
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	NO3		0.37	mg/L	24-Aug-16	0.007	0.02	EPA 300.0
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	NO3		0.37	mg/L	24-Aug-16	0.007	0.02	EPA 353.2
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	NO3+NO2		0.368	mg/L	27-Jul-16	0.007	0.02	EPA 353.2
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	NO3+NO2		0.327	mg/L	3-Aug-16	0.007	0.02	EPA 353.2

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	NO3+NO2		0.184	mg/L	10-Aug-16	0.007	0.02	EPA 353.2
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	NO3+NO2		0.523	mg/L	17-Aug-16	0.007	0.02	EPA 353.2
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	NO3+NO2		0.37	mg/L	24-Aug-16	0.007	0.02	EPA 353.2
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Pb	j	0.406	ug/L	18-Aug-16	0.11	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Pb	j	0.8	ug/L	17-Aug-16	0.11	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Pb	j	0.599	ug/L	24-Aug-16	0.11	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Pb	j	0.604	ug/L	31-Aug-16	0.11	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Pb	j	0.573	ug/L	11-Oct-16	0.11	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	pH		7.96	S.U.				EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	pH		7.96	S.U.				
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	pH		7.61	S.U.				EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	pH		7.61	S.U.				
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	pH		8.06	S.U.				EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	pH		8.06	S.U.				
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	pH		7.84	S.U.				EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	pH		7.84	S.U.				
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	pH		7.41	S.U.				EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	pH		7.41	S.U.				
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Sb	j	0.484	ug/L	18-Aug-16	0.236	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Sb	j	0.614	ug/L	17-Aug-16	0.236	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Sb	j	0.457	ug/L	24-Aug-16	0.236	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Sb	j	0.697	ug/L	31-Aug-16	0.236	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Sb	j	0.518	ug/L	11-Oct-16	0.236	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Se	<	1.034	ug/L	18-Aug-16	1.034	5	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Se	<	1.034	ug/L	17-Aug-16	1.034	5	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Se	<	1.034	ug/L	24-Aug-16	1.034	5	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Se	<	1.034	ug/L	31-Aug-16	1.034	5	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Se	<	1.034	ug/L	11-Oct-16	1.034	5	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Sn	<	0.336	ug/L	18-Aug-16	0.336	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Sn		1.816	ug/L	17-Aug-16	0.336	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Sn	<	0.336	ug/L	24-Aug-16	0.336	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Sn	<	0.336	ug/L	31-Aug-16	0.336	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Sn	<	0.336	ug/L	11-Oct-16	0.336	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	SO4		64.41	mg/L	28-Jul-16	0.5	5	EPA 300.0
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	SO4		60.62	mg/L	11-Aug-16	0.5	5	EPA 300.0
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	SO4		61.57	mg/L	13-Aug-16	0.5	5	EPA 300.0
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	SO4		77.63	mg/L	19-Aug-16	0.5	5	EPA 300.0
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	SO4		44.91	mg/L	26-Aug-16	0.5	5	EPA 300.0
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Sr		341.569	ug/L	18-Aug-16	0.234	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Sr		285.977	ug/L	17-Aug-16	0.234	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Sr		353.1	ug/L	24-Aug-16	0.234	1	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Sr		396.042	ug/L	31-Aug-16	0.234	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Sr		235.492	ug/L	11-Oct-16	0.234	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	TDS		674	mg/L	28-Jul-16	1	5	SM2540C
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	TDS		529	mg/L	3-Aug-16	1	5	SM2540C
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	TDS		580	mg/L	10-Aug-16	1	5	SM2540C
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	TDS		662	mg/L	18-Aug-16	1	5	SM2540C
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	TDS		400	mg/L	25-Aug-16	1	5	SM2540C
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Ti	j	1.453	ug/L	18-Aug-16	0.692	2	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Ti		2.341	ug/L	17-Aug-16	0.692	2	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Ti	j	1.55	ug/L	24-Aug-16	0.692	2	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Ti	j	1.96	ug/L	31-Aug-16	0.692	2	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Ti		2.294	ug/L	11-Oct-16	0.692	2	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	TKN		0.622	mg/L	29-Jul-16	0.242	0.5	EPA-351.1
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	TKN		0.54	mg/L	12-Aug-16	0.242	0.5	EPA-351.1
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	TKN	j	0.394	mg/L	12-Aug-16	0.242	0.5	EPA-351.1
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	TKN		0.592	mg/L	18-Aug-16	0.242	0.5	EPA-351.1
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	TKN	j	0.431	mg/L	29-Aug-16	0.242	0.5	EPA-351.1
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Tl	<	0.236	ug/L	18-Aug-16	0.236	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Tl	<	0.236	ug/L	17-Aug-16	0.236	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Tl	<	0.236	ug/L	24-Aug-16	0.236	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Tl	<	0.236	ug/L	31-Aug-16	0.236	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Tl	<	0.236	ug/L	11-Oct-16	0.236	1	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	TMET		11.3	ug/L	18-Aug-16	10		EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	TMET	<	10	ug/L	17-Aug-16	10		EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	TMET		12.4	ug/L	24-Aug-16	10		EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	TMET		13.4	ug/L	31-Aug-16	10		EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	TMET		10.9	ug/L	11-Oct-16	10		EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Total-P		0.104	mg/L	27-Jul-16	0.003	0.01	EPA 365.1
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Total-P		0.106	mg/L	3-Aug-16	0.003	0.01	EPA 365.1
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Total-P		0.096	mg/L	12-Aug-16	0.003	0.01	EPA 365.1
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Total-P		0.094	mg/L	18-Aug-16	0.003	0.01	EPA 365.1
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Total-P		0.078	mg/L	25-Aug-16	0.003	0.01	EPA 365.1
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	TS		654	mg/L	26-Jul-16	1	5	SM2540B
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	TS		534	mg/L	3-Aug-16	1	5	SM2540B
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	TS		648	mg/L	10-Aug-16	1	5	SM2540B
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	TS		640	mg/L	17-Aug-16	1	5	SM2540B
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	TS		446	mg/L	26-Aug-16	1	5	SM2540B
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	TSS		4.2	mg/L	27-Jul-16	0.5	1	SM2540D
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	TSS		4.8	mg/L	3-Aug-16	0.5	1	SM2540D
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	TSS		4.6	mg/L	10-Aug-16	0.5	1	SM2540D
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	TSS		2.5	mg/L	17-Aug-16	0.5	1	SM2540D

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	TSS		3.7	mg/L	25-Aug-16	0.5	1	SM2540D
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Turbidity		1.65	NTU				EPA 180.1
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Turbidity		4.45	NTU				EPA 180.1
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Turbidity		2.32	NTU				EPA 180.1
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Turbidity		3.99	NTU				EPA 180.1
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Turbidity		8.92	NTU				EPA 180.1
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	V	<	2.676	ug/L	18-Aug-16	2.676	10	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	V	<	2.676	ug/L	17-Aug-16	2.676	10	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	V	<	2.676	ug/L	24-Aug-16	2.676	10	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	V	<	2.676	ug/L	31-Aug-16	2.676	10	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	V	<	2.676	ug/L	11-Oct-16	2.676	10	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	7/26/2016 9:07	R-1607200006	Zn	j	3.698	ug/L	18-Aug-16	0.664	10	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/2/2016 9:30	R-1607280002	Zn	j	5.533	ug/L	17-Aug-16	0.664	10	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/9/2016 9:15	R-1608020023	Zn	j	4.625	ug/L	24-Aug-16	0.664	10	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/16/2016 9:40	R-1608110003	Zn	j	5.031	ug/L	31-Aug-16	0.664	10	EPA-200.8
Big Creek	River Mile 0.15 (EM1)	8/23/2016 8:58	R-1608190002	Zn	j	4.617	ug/L	11-Oct-16	0.664	10	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	*CaCO3		190	mg/LCaCO3	17-Aug-16	1		EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	*CaCO3		226	mg/LCaCO3	24-Aug-16	1		EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	*CaCO3		261	mg/LCaCO3	24-Aug-16	1		EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	*CaCO3		215	mg/LCaCO3	11-Oct-16	1		EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	*CaCO3		222	mg/LCaCO3	13-Oct-16	1		EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Ag	<	0.228	ug/L	17-Aug-16	0.228	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Ag	<	0.228	ug/L	24-Aug-16	0.228	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Ag	<	0.228	ug/L	24-Aug-16	0.228	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Ag	<	0.228	ug/L	11-Oct-16	0.228	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Ag	<	0.228	ug/L	13-Oct-16	0.228	1	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Al		404.3	ug/L	17-Aug-16	4.282	10	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Al		706.8	ug/L	24-Aug-16	4.282	10	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Al		125.5	ug/L	24-Aug-16	4.282	10	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Al		619.1	ug/L	11-Oct-16	4.282	10	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Al		187.2	ug/L	13-Oct-16	4.282	10	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Alkalinity		102.2	mg/LCaCO3	29-Jul-16	4.3	10	EPA-310.2
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Alkalinity		138.1	mg/LCaCO3	5-Aug-16	4.3	10	EPA-310.2
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Alkalinity		123.9	mg/LCaCO3	11-Aug-16	4.3	10	EPA-310.2
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Alkalinity		128.3	mg/LCaCO3	18-Aug-16	4.3	10	EPA-310.2
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Alkalinity		130.5	mg/LCaCO3	26-Aug-16	4.3	10	EPA-310.2
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	As	<	2	ug/L	17-Aug-16	2	4	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	As	j	2.122	ug/L	24-Aug-16	2	4	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	As	j	2.244	ug/L	24-Aug-16	2	4	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	As	j	2.445	ug/L	11-Oct-16	2	4	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	As	<	2	ug/L	13-Oct-16	2	4	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Ba		44.7	ug/L	17-Aug-16	0.218	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Ba		53.74	ug/L	24-Aug-16	0.218	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Ba		50.7	ug/L	24-Aug-16	0.218	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Ba		47.29	ug/L	11-Oct-16	0.218	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Ba		45.32	ug/L	13-Oct-16	0.218	1	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Be	<	0.218	ug/L	17-Aug-16	0.218	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Be	<	0.218	ug/L	24-Aug-16	0.218	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Be	<	0.218	ug/L	24-Aug-16	0.218	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Be	<	0.218	ug/L	11-Oct-16	0.218	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Be	<	0.218	ug/L	13-Oct-16	0.218	1	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	BOD		3.6	mg/L	28-Jul-16	2		SM 5210
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	BOD		2.1	mg/L	4-Aug-16	2		SM 5210
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	BOD		2.5	mg/L	11-Aug-16	2		SM 5210
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	BOD		2.1	mg/L	18-Aug-16	2		SM 5210
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	BOD		2.7	mg/L	25-Aug-16	2		SM 5210
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Ca		54180	ug/L	17-Aug-16	55.83	250	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Ca		66150	ug/L	24-Aug-16	55.83	250	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Ca		74830	ug/L	24-Aug-16	55.83	250	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Ca		62090	ug/L	11-Oct-16	55.83	250	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Ca		63530	ug/L	13-Oct-16	55.83	250	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Cd	<	0.11	ug/L	17-Aug-16	0.11	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Cd	<	0.11	ug/L	24-Aug-16	0.11	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Cd	<	0.11	ug/L	24-Aug-16	0.11	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Cd	<	0.11	ug/L	11-Oct-16	0.11	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Cd	<	0.11	ug/L	13-Oct-16	0.11	1	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Chloride		125.8	mg/L	28-Jul-16	2	5	EPA 300.0
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Chloride		154.6	mg/L	11-Aug-16	2	5	EPA 300.0
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Chloride		189.1	mg/L	19-Aug-16	2	5	EPA 300.0
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Chloride		155.8	mg/L	24-Aug-16	2	5	EPA 300.0
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Chloride		160.6	mg/L	30-Aug-16	2	5	EPA 300.0
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Chloride		160.6	mg/L	30-Aug-16	2	5	
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Co	j	0.679	ug/L	17-Aug-16	0.102	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Co		1.05	ug/L	24-Aug-16	0.102	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Co	j	0.61	ug/L	24-Aug-16	0.102	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Co	j	0.984	ug/L	11-Oct-16	0.102	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Co	j	0.528	ug/L	13-Oct-16	0.102	1	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	COD		11.8	mg/L	28-Jul-16	2.1	10	EPA 410.4
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	COD		18.9	mg/L	4-Aug-16	2.1	10	EPA 410.4
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	COD		25.5	mg/L	15-Aug-16	2.1	10	EPA 410.4
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	COD		22.4	mg/L	23-Aug-16	2.1	10	EPA 410.4
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	COD		21.3	mg/L	25-Aug-16	2.1	10	EPA 410.4
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Conduct		784.3	uS/cm	8-Aug-16	0.2	1	SM 2510B
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Conduct		953.6	uS/cm	8-Aug-16	0.2	1	SM 2510B
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Conduct		1109	uS/cm	19-Aug-16	0.2	1	SM 2510B
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Conduct		948.8	uS/cm	19-Aug-16	0.2	1	SM 2510B
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Conduct		959	uS/cm	21-Sep-16	0.2	1	SM 2510B
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Cr		2.444	ug/L	17-Aug-16	0.168	2	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Cr	j	1.999	ug/L	24-Aug-16	0.168	2	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Cr	j	0.975	ug/L	24-Aug-16	0.168	2	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Cr	j	1.844	ug/L	11-Oct-16	0.168	2	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Cr	j	1.162	ug/L	13-Oct-16	0.168	2	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Cu		3.397	ug/L	17-Aug-16	0.966	2	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Cu		4.247	ug/L	24-Aug-16	0.704	2	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Cu		3.108	ug/L	24-Aug-16	0.704	2	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Cu		3.978	ug/L	11-Oct-16	0.704	2	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Cu		2.8	ug/L	13-Oct-16	0.704	2	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	DRPhos		0.087	mg/L	28-Jul-16	0.005	0.01	EPA 365.1

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	DRPhos		0.074	mg/L	4-Aug-16	0.005	0.01	EPA 365.1
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	DRPhos		0.045	mg/L	10-Aug-16	0.005	0.01	EPA 365.1
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	DRPhos		0.054	mg/L	17-Aug-16	0.005	0.01	EPA 365.1
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	DRPhos		0.033	mg/L	24-Aug-16	0.005	0.01	EPA 365.1
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	E. coli		710	MPN/100 mL	27-Jul-16	1		SM 9223 Colilert
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	E. coli		786	MPN/100 mL	3-Aug-16	1		SM 9223 Colilert
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	E. coli		1050	MPN/100 mL	10-Aug-16	1		SM 9223 Colilert
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	E. coli		533	MPN/100 mL	17-Aug-16	1		SM 9223 Colilert
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	E. coli		152	MPN/100 mL	24-Aug-16	1		SM 9223 Colilert
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Fe		947.1	ug/L	17-Aug-16	4.016	10	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Fe		1755	ug/L	24-Aug-16	4.016	10	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Fe		467.1	ug/L	24-Aug-16	4.016	10	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Fe		1667	ug/L	11-Oct-16	4.016	10	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Fe		653.4	ug/L	13-Oct-16	4.016	10	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Field Cond		779.4	umhos/cm				SM 2510A
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Field Cond		779.4	umhos/cm				SM 2510B
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Field Cond		788	umhos/cm				SM 2510A
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Field Cond		788	umhos/cm				SM 2510B
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Field Cond		940.2	umhos/cm				SM 2510A
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Field Cond		940.2	umhos/cm				SM 2510B
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Field Cond		949.4	umhos/cm				SM 2510A
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Field Cond		949.4	umhos/cm				SM 2510B
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Field Cond		1140	umhos/cm				SM 2510A
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Field Cond		1140	umhos/cm				SM 2510B
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Field Cond		1161	umhos/cm				SM 2510A
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Field Cond		1161	umhos/cm				SM 2510B
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Field Cond		937.7	umhos/cm				SM 2510A
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Field Cond		937.7	umhos/cm				SM 2510B
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Field Cond		949.7	umhos/cm				SM 2510A
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Field Cond		949.7	umhos/cm				SM 2510B
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Field Cond		923	umhos/cm				SM 2510A
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Field Cond		923	umhos/cm				SM 2510B
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Field Cond		979	umhos/cm				SM 2510A
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Field Cond		979	umhos/cm				SM 2510B
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Field DO		7.02	mg/L				SM 4500-0 G
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Field DO		7.02	mg/L				
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Field DO		84.2	%				SM 4500-0 G
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Field DO		84.2	%				
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Field DO		7.11	mg/L				SM 4500-0 G
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Field DO		7.11	mg/L				
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Field DO		85.5	%				SM 4500-0 G

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Field DO		85.5	%				
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Field DO		7.72	mg/L				SM 4500-0 G
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Field DO		7.72	mg/L				
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Field DO		95.5	%				SM 4500-0 G
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Field DO		95.5	%				
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Field DO		7.63	mg/L				SM 4500-0 G
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Field DO		7.63	mg/L				
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Field DO		91.4	%				SM 4500-0 G
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Field DO		91.4	%				
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Field DO		8.24	mg/L				SM 4500-0 G
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Field DO		8.24	mg/L				
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Field DO		94.5	%				SM 4500-0 G
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Field DO		94.5	%				
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Field Temp		24.4	C				EPA 170.1
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Field Temp		24.5	C				EPA 170.1
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Field Temp		26	C				EPA 170.1
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Field Temp		24.3	C				EPA 170.1
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Field Temp		22	C				EPA 170.1
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Hg	<	0.005	ug/L	2-Aug-16	0.005	0.05	EPA 245.1
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Hg	<	0.005	ug/L	9-Aug-16	0.005	0.05	EPA 245.1
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Hg	<	0.005	ug/L	15-Aug-16	0.005	0.05	EPA 245.1
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Hg	<	0.005	ug/L	24-Aug-16	0.005	0.05	EPA 245.1
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Hg	<	0.005	ug/L	7-Sep-16	0.005	0.05	EPA 245.1
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	K		4906	ug/L	17-Aug-16	162.4	500	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	K		5723	ug/L	24-Aug-16	162.4	1000	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	K		7222	ug/L	24-Aug-16	162.4	1000	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	K		5183	ug/L	11-Oct-16	162.4	1000	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	K		5950	ug/L	13-Oct-16	162.4	500	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Mg		13230	ug/L	17-Aug-16	23.49	250	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Mg		14790	ug/L	24-Aug-16	23.49	250	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Mg		17940	ug/L	24-Aug-16	23.49	250	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Mg		14630	ug/L	11-Oct-16	23.49	250	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Mg		15400	ug/L	13-Oct-16	23.49	250	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Mn		77.83	ug/L	17-Aug-16	0.164	2	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Mn		87.36	ug/L	24-Aug-16	0.164	2	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Mn		52.1	ug/L	24-Aug-16	0.164	2	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Mn		69.89	ug/L	11-Oct-16	0.164	2	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Mn		45.33	ug/L	13-Oct-16	0.164	2	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Mo		4.411	ug/L	17-Aug-16	0.18	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Mo		4.647	ug/L	24-Aug-16	0.18	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Mo		5.926	ug/L	24-Aug-16	0.18	1	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Mo		6.779	ug/L	11-Oct-16	0.18	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Mo		4.378	ug/L	13-Oct-16	0.18	1	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Na		75900	ug/L	17-Aug-16	169	500	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Na		94770	ug/L	24-Aug-16	169	500	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Na		113100	ug/L	24-Aug-16	169	500	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Na		92330	ug/L	11-Oct-16	169	500	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Na		95750	ug/L	13-Oct-16	169	500	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	NH3		0.046	mg/L	29-Jul-16	0.009	0.02	EPA-350.1
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	NH3		0.05	mg/L	4-Aug-16	0.009	0.02	EPA-350.1
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	NH3		0.33	mg/L	10-Aug-16	0.009	0.02	EPA-350.1
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	NH3	j	0.015	mg/L	17-Aug-16	0.009	0.02	EPA-350.1
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	NH3	j	0.011	mg/L	24-Aug-16	0.009	0.02	EPA-350.1
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Ni	j	3.066	ug/L	17-Aug-16	0.414	4	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Ni		4.189	ug/L	24-Aug-16	0.414	4	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Ni	j	3.422	ug/L	24-Aug-16	0.414	4	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Ni		4.014	ug/L	11-Oct-16	0.414	4	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Ni	j	3.116	ug/L	13-Oct-16	0.414	4	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	NO2		0.022	mg/L	27-Jul-16	0.008	0.02	EPA 300.0
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	NO2		0.022	mg/L	27-Jul-16	0.008	0.02	SM 4500-NO2-B
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	NO2		0.031	mg/L	4-Aug-16	0.008	0.02	EPA 300.0
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	NO2		0.031	mg/L	4-Aug-16	0.008	0.02	SM 4500-NO2-B
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	NO2		0.031	mg/L	10-Aug-16	0.008	0.02	EPA 300.0
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	NO2		0.031	mg/L	10-Aug-16	0.008	0.02	SM 4500-NO2-B
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	NO2	<	0.008	mg/L	17-Aug-16	0.008	0.02	EPA 300.0
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	NO2	<	0.008	mg/L	17-Aug-16	0.008	0.02	SM 4500-NO2-B
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	NO2	j	0.013	mg/L	24-Aug-16	0.008	0.02	EPA 300.0
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	NO2	j	0.013	mg/L	24-Aug-16	0.008	0.02	SM 4500-NO2-B
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	NO2	j	0.013	mg/L	24-Aug-16	0.008	0.02	
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	NO3		2.83	mg/L	29-Jul-16	0.014	0.04	EPA 300.0
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	NO3		2.83	mg/L	29-Jul-16	0.014	0.04	EPA 353.2
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	NO3		3.93	mg/L	10-Aug-16	0.035	0.1	EPA 300.0
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	NO3		3.93	mg/L	10-Aug-16	0.035	0.1	EPA 353.2
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	NO3		6.284	mg/L	10-Aug-16	0.035	0.1	EPA 300.0
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	NO3		6.284	mg/L	10-Aug-16	0.035	0.1	EPA 353.2
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	NO3		2.554	mg/L	17-Aug-16	0.014	0.04	EPA 300.0
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	NO3		2.554	mg/L	17-Aug-16	0.014	0.04	EPA 353.2
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	NO3		3.645	mg/L	24-Aug-16	0.014	0.04	EPA 300.0
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	NO3		3.645	mg/L	24-Aug-16	0.014	0.04	EPA 353.2
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	NO3		3.645	mg/L	24-Aug-16	0.014	0.04	
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	NO3+NO2		2.852	mg/L	29-Jul-16	0.014	0.04	EPA 353.2
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	NO3+NO2		3.959	mg/L	10-Aug-16	0.035	0.1	EPA 353.2

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	NO3+NO2		6.315	mg/L	10-Aug-16	0.035	0.1	EPA 353.2
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	NO3+NO2		2.554	mg/L	17-Aug-16	0.014	0.04	EPA 353.2
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	NO3+NO2		3.658	mg/L	24-Aug-16	0.014	0.04	EPA 353.2
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Pb		1.704	ug/L	17-Aug-16	0.11	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Pb		1.921	ug/L	24-Aug-16	0.11	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Pb	j	0.643	ug/L	24-Aug-16	0.11	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Pb		1.622	ug/L	11-Oct-16	0.11	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Pb	j	0.668	ug/L	13-Oct-16	0.11	1	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	pH		7.72	S.U.				EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	pH		7.72	S.U.				
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	pH		7.71	S.U.				EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	pH		7.71	S.U.				
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	pH		7.96	S.U.				EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	pH		7.96	S.U.				
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	pH		7.97	S.U.				EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	pH		7.97	S.U.				
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	pH		7.93	S.U.				EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	pH		7.93	S.U.				
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Sb	j	0.33	ug/L	17-Aug-16	0.236	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Sb	j	0.379	ug/L	24-Aug-16	0.236	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Sb	j	0.32	ug/L	24-Aug-16	0.236	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Sb	j	0.347	ug/L	11-Oct-16	0.236	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Sb	<	0.236	ug/L	13-Oct-16	0.236	1	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Se	<	1.034	ug/L	17-Aug-16	1.034	5	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Se	<	1.034	ug/L	24-Aug-16	1.034	5	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Se	<	1.034	ug/L	24-Aug-16	1.034	5	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Se	<	1.034	ug/L	11-Oct-16	1.034	5	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Se	<	1.034	ug/L	13-Oct-16	1.034	5	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Sn	j	0.531	ug/L	17-Aug-16	0.336	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Sn	<	0.336	ug/L	24-Aug-16	0.336	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Sn	<	0.336	ug/L	24-Aug-16	0.336	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Sn	j	0.351	ug/L	11-Oct-16	0.336	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Sn	<	0.336	ug/L	13-Oct-16	0.336	1	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	SO4		52.02	mg/L	28-Jul-16	0.5	5	EPA 300.0
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	SO4		63.7	mg/L	11-Aug-16	0.5	5	EPA 300.0
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	SO4		77.25	mg/L	19-Aug-16	0.5	5	EPA 300.0
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	SO4		66.91	mg/L	24-Aug-16	0.5	5	EPA 300.0
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	SO4		61.86	mg/L	30-Aug-16	0.5	5	EPA 300.0
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	SO4		61.86	mg/L	30-Aug-16	0.5	5	
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Sr		206.322	ug/L	17-Aug-16	0.234	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Sr		257.978	ug/L	24-Aug-16	0.234	1	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Sr		275.09	ug/L	24-Aug-16	0.234	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Sr		284.34	ug/L	11-Oct-16	0.234	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Sr		266.633	ug/L	13-Oct-16	0.234	1	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	TDS		452	mg/L	29-Jul-16	1	5	SM2540C
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	TDS		552	mg/L	5-Aug-16	1	5	SM2540C
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	TDS		686	mg/L	16-Aug-16	1	5	SM2540C
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	TDS		560	mg/L	22-Aug-16	1	5	SM2540C
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	TDS		576	mg/L	29-Aug-16	1	5	SM2540C
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Ti		7.518	ug/L	17-Aug-16	0.692	2	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Ti		10.33	ug/L	24-Aug-16	0.692	2	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Ti		2.494	ug/L	24-Aug-16	0.692	2	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Ti		8.313	ug/L	11-Oct-16	0.692	2	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Ti		3.292	ug/L	13-Oct-16	0.692	2	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	TKN		0.839	mg/L	8-Aug-16	0.242	0.5	EPA-351.1
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	TKN		0.863	mg/L	8-Aug-16	0.242	0.5	EPA-351.1
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	TKN		0.851	mg/L	12-Aug-16	0.242	0.5	EPA-351.1
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	TKN		0.838	mg/L	18-Aug-16	0.242	0.5	EPA-351.1
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	TKN		0.752	mg/L	2-Sep-16	0.242	0.5	EPA-351.1
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Tl	<	0.236	ug/L	17-Aug-16	0.236	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Tl	<	0.236	ug/L	24-Aug-16	0.236	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Tl	<	0.236	ug/L	24-Aug-16	0.236	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Tl	<	0.236	ug/L	11-Oct-16	0.236	1	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Tl	<	0.236	ug/L	13-Oct-16	0.236	1	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	TMET		18.3	ug/L	17-Aug-16	10		EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	TMET		23.7	ug/L	24-Aug-16	10		EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	TMET		18.4	ug/L	24-Aug-16	10		EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	TMET		21.9	ug/L	11-Oct-16	10		EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	TMET		20.4	ug/L	13-Oct-16	10		EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Total-P		0.138	mg/L	29-Jul-16	0.003	0.01	EPA 365.1
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Total-P		0.146	mg/L	9-Aug-16	0.003	0.01	EPA 365.1
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Total-P		0.088	mg/L	16-Aug-16	0.003	0.01	EPA 365.1
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Total-P		0.12	mg/L	19-Aug-16	0.003	0.01	EPA 365.1
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Total-P		0.08	mg/L	30-Aug-16	0.003	0.01	EPA 365.1
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	TS		560	mg/L	27-Jul-16	1	5	SM2540B
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	TS		652	mg/L	5-Aug-16	1	5	SM2540B
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	TS		724	mg/L	12-Aug-16	1	5	SM2540B
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	TS		672	mg/L	18-Aug-16	1	5	SM2540B
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	TS		670	mg/L	26-Aug-16	1	5	SM2540B
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	TSS		27.8	mg/L	28-Jul-16	0.5	1	SM2540D
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	TSS		42.4	mg/L	5-Aug-16	0.5	1	SM2540D
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	TSS		10.9	mg/L	12-Aug-16	0.5	1	SM2540D

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	TSS		39.8	mg/L	19-Aug-16	0.5	1	SM2540D
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	TSS		11.8	mg/L	25-Aug-16	0.5	1	SM2540D
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Turbidity		14.5	NTU				EPA 180.1
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Turbidity		34	NTU				EPA 180.1
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Turbidity		8.73	NTU				EPA 180.1
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Turbidity		28.9	NTU				EPA 180.1
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Turbidity		9.08	NTU				EPA 180.1
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	V	<	2.676	ug/L	17-Aug-16	2.676	10	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	V	<	2.676	ug/L	24-Aug-16	2.676	10	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	V	<	2.676	ug/L	24-Aug-16	2.676	10	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	V	<	2.676	ug/L	11-Oct-16	2.676	10	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	V	<	2.676	ug/L	13-Oct-16	2.676	10	EPA-200.8
Cuyahoga River	River Mile 12.10	7/27/2016 10:20	R-1607260016	Zn	j	9.403	ug/L	17-Aug-16	0.664	10	EPA-200.8
Cuyahoga River	River Mile 12.10	8/3/2016 10:25	R-1607280023	Zn		13.24	ug/L	24-Aug-16	0.664	10	EPA-200.8
Cuyahoga River	River Mile 12.10	8/10/2016 10:56	R-1608020010	Zn		10.94	ug/L	24-Aug-16	0.664	10	EPA-200.8
Cuyahoga River	River Mile 12.10	8/17/2016 10:30	R-1608110022	Zn		12.07	ug/L	11-Oct-16	0.664	10	EPA-200.8
Cuyahoga River	River Mile 12.10	8/24/2016 10:08	R-1608220010	Zn		13.37	ug/L	13-Oct-16	0.664	10	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	*CaCO3		192	mg/LCaCO3	23-Aug-16	1		EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	*CaCO3		208	mg/LCaCO3	24-Aug-16	1		EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	*CaCO3		190	mg/LCaCO3	24-Aug-16	1		EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	*CaCO3		216	mg/LCaCO3	31-Aug-16	1		EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	*CaCO3		214	mg/LCaCO3	13-Oct-16	1		EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Ag	<	0.228	ug/L	23-Aug-16	0.228	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Ag	<	0.228	ug/L	24-Aug-16	0.228	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Ag	<	0.228	ug/L	24-Aug-16	0.228	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Ag	<	0.228	ug/L	31-Aug-16	0.228	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Ag	<	0.228	ug/L	13-Oct-16	0.228	1	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Al		203.7	ug/L	23-Aug-16	4.282	10	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Al		408.4	ug/L	24-Aug-16	4.282	10	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Al		282.6	ug/L	24-Aug-16	4.282	10	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Al		306.9	ug/L	31-Aug-16	4.282	10	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Al		175.2	ug/L	13-Oct-16	4.282	10	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Alkalinity		99.6	mg/LCaCO3	28-Jul-16	4.3	10	EPA-310.2
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Alkalinity		126.4	mg/LCaCO3	5-Aug-16	4.3	10	EPA-310.2
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Alkalinity		89.1	mg/LCaCO3	11-Aug-16	4.3	10	EPA-310.2
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Alkalinity		118.2	mg/LCaCO3	18-Aug-16	4.3	10	EPA-310.2
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Alkalinity		116.6	mg/LCaCO3	26-Aug-16	4.3	10	EPA-310.2
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	As	j	2.193	ug/L	23-Aug-16	2	4	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	As	j	2.182	ug/L	24-Aug-16	2	4	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	As	j	2.265	ug/L	24-Aug-16	2	4	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	As	<	2	ug/L	31-Aug-16	2	4	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	As	<	2	ug/L	13-Oct-16	2	4	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Ba		38.94	ug/L	23-Aug-16	0.218	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Ba		42.21	ug/L	24-Aug-16	0.218	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Ba		30.14	ug/L	24-Aug-16	0.218	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Ba		41.51	ug/L	31-Aug-16	0.218	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Ba		37.9	ug/L	13-Oct-16	0.218	1	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Be	<	0.218	ug/L	23-Aug-16	0.218	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Be	<	0.218	ug/L	24-Aug-16	0.218	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Be	<	0.218	ug/L	24-Aug-16	0.218	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Be	<	0.218	ug/L	1-Sep-16	0.218	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Be	<	0.218	ug/L	13-Oct-16	0.218	1	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	BOD		3.2	mg/L	28-Jul-16	2		SM 5210
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	BOD		3.5	mg/L	4-Aug-16	2		SM 5210
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	BOD		4.5	mg/L	11-Aug-16	2		SM 5210
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	BOD		2.2	mg/L	18-Aug-16	2		SM 5210
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	BOD		2.5	mg/L	25-Aug-16	2		SM 5210
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Ca		55140	ug/L	23-Aug-16	55.83	250	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Ca		59600	ug/L	24-Aug-16	55.83	250	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Ca		54830	ug/L	24-Aug-16	55.83	250	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Ca		62360	ug/L	31-Aug-16	55.83	250	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Ca		61080	ug/L	13-Oct-16	55.83	250	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Cd	<	0.11	ug/L	23-Aug-16	0.11	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Cd	<	0.11	ug/L	24-Aug-16	0.11	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Cd	j	0.116	ug/L	24-Aug-16	0.11	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Cd	<	0.11	ug/L	31-Aug-16	0.11	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Cd	<	0.11	ug/L	13-Oct-16	0.11	1	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Chloride		134.1	mg/L	28-Jul-16	2	5	EPA 300.0
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Chloride		150.2	mg/L	13-Aug-16	2	5	EPA 300.0
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Chloride		148	mg/L	19-Aug-16	2	5	EPA 300.0
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Chloride		151.9	mg/L	24-Aug-16	2	5	EPA 300.0
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Chloride		159.6	mg/L	30-Aug-16	2	5	EPA 300.0
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Co	j	0.579	ug/L	23-Aug-16	0.102	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Co	j	0.858	ug/L	24-Aug-16	0.102	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Co	j	0.764	ug/L	24-Aug-16	0.102	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Co	j	0.733	ug/L	31-Aug-16	0.102	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Co	j	0.549	ug/L	13-Oct-16	0.102	1	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	COD	j	6.6	mg/L	28-Jul-16	2.1	10	EPA 410.4
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	COD		19.2	mg/L	4-Aug-16	2.1	10	EPA 410.4
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	COD		24.5	mg/L	15-Aug-16	2.1	10	EPA 410.4
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	COD		23.9	mg/L	23-Aug-16	2.1	10	EPA 410.4
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	COD		19.2	mg/L	1-Sep-16	2.1	10	EPA 410.4
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Conduct		828.5	uS/cm	8-Aug-16	0.2	1	SM 2510B
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Conduct		947.1	uS/cm	8-Aug-16	0.2	1	SM 2510B
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Conduct		925.2	uS/cm	19-Aug-16	0.2	1	SM 2510B
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Conduct		939.3	uS/cm	19-Aug-16	0.2	1	SM 2510B
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Conduct		953	uS/cm	21-Sep-16	0.2	1	SM 2510B
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Cr	j	1.173	ug/L	23-Aug-16	0.168	2	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Cr	j	1.468	ug/L	24-Aug-16	0.168	2	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Cr	j	1.56	ug/L	24-Aug-16	0.168	2	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Cr	j	1.476	ug/L	31-Aug-16	0.168	2	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Cr	j	1.151	ug/L	13-Oct-16	0.168	2	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Cu		3.312	ug/L	23-Aug-16	0.704	2	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Cu		3.739	ug/L	24-Aug-16	0.704	2	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Cu		6.392	ug/L	24-Aug-16	0.704	2	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Cu		4.146	ug/L	31-Aug-16	0.704	2	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Cu		3.485	ug/L	13-Oct-16	0.704	2	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	DRPhos		0.186	mg/L	28-Jul-16	0.005	0.01	EPA 365.1
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	DRPhos		0.095	mg/L	4-Aug-16	0.005	0.01	EPA 365.1

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	DRPhos		0.171	mg/L	10-Aug-16	0.005	0.01	EPA 365.1
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	DRPhos		0.145	mg/L	17-Aug-16	0.005	0.01	EPA 365.1
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	DRPhos		0.109	mg/L	24-Aug-16	0.005	0.01	EPA 365.1
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	E. coli		320	MPN/100 mL	27-Jul-16	1		SM 9223 Colilert
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	E. coli		744	MPN/100 mL	3-Aug-16	1		SM 9223 Colilert
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	E. coli		5536	MPN/100 mL	10-Aug-16	1		SM 9223 Colilert
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	E. coli		1189	MPN/100 mL	17-Aug-16	1		SM 9223 Colilert
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	E. coli		178	MPN/100 mL	24-Aug-16	1		SM 9223 Colilert
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Fe		600.6	ug/L	23-Aug-16	4.016	10	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Fe		1036	ug/L	24-Aug-16	4.016	10	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Fe		736.9	ug/L	24-Aug-16	4.016	10	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Fe		890.3	ug/L	31-Aug-16	4.016	10	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Fe		642.8	ug/L	13-Oct-16	4.016	10	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Field Cond		822	umhos/cm				SM 2510A
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Field Cond		822	umhos/cm				SM 2510B
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Field Cond		830.2	umhos/cm				SM 2510A
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Field Cond		830.2	umhos/cm				SM 2510B
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Field Cond		951.2	umhos/cm				SM 2510A
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Field Cond		951.2	umhos/cm				SM 2510B
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Field Cond		956.7	umhos/cm				SM 2510A
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Field Cond		956.7	umhos/cm				SM 2510B
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Field Cond		962	umhos/cm				SM 2510A
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Field Cond		962	umhos/cm				SM 2510B
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Field Cond		967	umhos/cm				SM 2510A
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Field Cond		967	umhos/cm				SM 2510B
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Field Cond		940.5	umhos/cm				SM 2510A
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Field Cond		940.5	umhos/cm				SM 2510B
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Field Cond		946.9	umhos/cm				SM 2510A
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Field Cond		946.9	umhos/cm				SM 2510B
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Field Cond		930.8	umhos/cm				SM 2510A
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Field Cond		930.8	umhos/cm				SM 2510B
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Field Cond		972.1	umhos/cm				SM 2510A
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Field Cond		972.1	umhos/cm				SM 2510B
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Field DO		7.06	mg/L				SM 4500-0 G
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Field DO		7.06	mg/L				
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Field DO		84.9	%				SM 4500-0 G
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Field DO		84.9	%				
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Field DO		7.07	mg/L				SM 4500-0 G
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Field DO		7.07	mg/L				
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Field DO		85.3	%				SM 4500-0 G
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Field DO		85.3	%				

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Field DO		112	%				SM 4500-0 G
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Field DO		112	%				
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Field DO		9.13	mg/L				SM 4500-0 G
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Field DO		9.13	mg/L				
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Field DO		7.79	mg/L				SM 4500-0 G
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Field DO		7.79	mg/L				
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Field DO		95.8	%				SM 4500-0 G
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Field DO		95.8	%				
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Field DO		7.78	mg/L				SM 4500-0 G
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Field DO		7.78	mg/L				
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Field DO		90.6	%				SM 4500-0 G
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Field DO		90.6	%				
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Field Temp		24.5	C				EPA 170.1
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Field Temp		24.7	C				EPA 170.1
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Field Temp		25.9	C				EPA 170.1
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Field Temp		24.6	C				EPA 170.1
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Field Temp		22.8	C				EPA 170.1
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Hg	<	0.005	ug/L	2-Aug-16	0.005	0.05	EPA 245.1
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Hg	<	0.005	ug/L	9-Aug-16	0.005	0.05	EPA 245.1
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Hg	<	0.005	ug/L	22-Aug-16	0.005	0.05	EPA 245.1
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Hg	<	0.005	ug/L	24-Aug-16	0.005	0.05	EPA 245.1
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Hg	<	0.005	ug/L	7-Sep-16	0.005	0.05	EPA 245.1
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	K		6580	ug/L	23-Aug-16	162.4	1000	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	K		7090	ug/L	24-Aug-16	162.4	1000	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	K		8575	ug/L	24-Aug-16	162.4	1000	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	K		6810	ug/L	31-Aug-16	162.4	1000	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	K		7496	ug/L	13-Oct-16	162.4	500	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Mg		13280	ug/L	23-Aug-16	23.49	250	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Mg		14300	ug/L	24-Aug-16	23.49	250	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Mg		13010	ug/L	24-Aug-16	23.49	250	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Mg		14590	ug/L	31-Aug-16	23.49	250	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Mg		14850	ug/L	13-Oct-16	23.49	250	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Mn		60.43	ug/L	23-Aug-16	0.164	2	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Mn		72.39	ug/L	24-Aug-16	0.164	2	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Mn		59.06	ug/L	24-Aug-16	0.164	2	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Mn		56.21	ug/L	31-Aug-16	0.164	2	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Mn		43.62	ug/L	13-Oct-16	0.164	2	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Mo		6.608	ug/L	23-Aug-16	0.18	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Mo		6.157	ug/L	24-Aug-16	0.18	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Mo		10.66	ug/L	24-Aug-16	0.18	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Mo		7.935	ug/L	31-Aug-16	0.18	1	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Mo		5.544	ug/L	13-Oct-16	0.18	1	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Na		82650	ug/L	23-Aug-16	169	500	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Na		97630	ug/L	24-Aug-16	169	500	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Na		99800	ug/L	24-Aug-16	169	500	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Na		102100	ug/L	31-Aug-16	169	500	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Na		97500	ug/L	13-Oct-16	169	500	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	NH3		0.119	mg/L	29-Jul-16	0.009	0.02	EPA-350.1
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	NH3		0.149	mg/L	4-Aug-16	0.009	0.02	EPA-350.1
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	NH3	j	0.012	mg/L	10-Aug-16	0.009	0.02	EPA-350.1
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	NH3		0.078	mg/L	17-Aug-16	0.009	0.02	EPA-350.1
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	NH3		0.061	mg/L	24-Aug-16	0.009	0.02	EPA-350.1
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Ni	j	3.672	ug/L	23-Aug-16	0.414	4	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Ni		4.971	ug/L	24-Aug-16	0.414	4	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Ni		5.65	ug/L	24-Aug-16	0.414	4	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Ni		4.715	ug/L	31-Aug-16	0.414	4	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Ni		4.2	ug/L	13-Oct-16	0.414	4	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	NO2		0.091	mg/L	27-Jul-16	0.008	0.02	EPA 300.0
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	NO2		0.091	mg/L	27-Jul-16	0.008	0.02	SM 4500-NO2-B
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	NO2		0.113	mg/L	4-Aug-16	0.008	0.02	EPA 300.0
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	NO2		0.113	mg/L	4-Aug-16	0.008	0.02	SM 4500-NO2-B
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	NO2		0.163	mg/L	10-Aug-16	0.008	0.02	EPA 300.0
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	NO2		0.163	mg/L	10-Aug-16	0.008	0.02	SM 4500-NO2-B
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	NO2		0.053	mg/L	17-Aug-16	0.008	0.02	EPA 300.0
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	NO2		0.053	mg/L	17-Aug-16	0.008	0.02	SM 4500-NO2-B
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	NO2		0.051	mg/L	24-Aug-16	0.008	0.02	EPA 300.0
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	NO2		0.051	mg/L	24-Aug-16	0.008	0.02	SM 4500-NO2-B
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	NO3		4.623	mg/L	29-Jul-16	0.035	0.1	EPA 300.0
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	NO3		4.623	mg/L	29-Jul-16	0.035	0.1	EPA 353.2
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	NO3		5.602	mg/L	10-Aug-16	0.035	0.1	EPA 300.0
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	NO3		5.602	mg/L	10-Aug-16	0.035	0.1	EPA 353.2
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	NO3		5.47	mg/L	10-Aug-16	0.035	0.1	EPA 300.0
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	NO3		5.47	mg/L	10-Aug-16	0.035	0.1	EPA 353.2
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	NO3		4.009	mg/L	17-Aug-16	0.035	0.1	EPA 300.0
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	NO3		4.009	mg/L	17-Aug-16	0.035	0.1	EPA 353.2
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	NO3		5.309	mg/L	24-Aug-16	0.035	0.1	EPA 300.0
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	NO3		5.309	mg/L	24-Aug-16	0.035	0.1	EPA 353.2
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	NO3+NO2		4.714	mg/L	29-Jul-16	0.035	0.1	EPA 353.2
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	NO3+NO2		5.715	mg/L	10-Aug-16	0.035	0.1	EPA 353.2
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	NO3+NO2		5.633	mg/L	10-Aug-16	0.035	0.1	EPA 353.2
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	NO3+NO2		4.062	mg/L	17-Aug-16	0.035	0.1	EPA 353.2
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	NO3+NO2		5.36	mg/L	24-Aug-16	0.035	0.1	EPA 353.2

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Pb		1.08	ug/L	23-Aug-16	0.11	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Pb		1.473	ug/L	24-Aug-16	0.11	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Pb		2.259	ug/L	24-Aug-16	0.11	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Pb		1.323	ug/L	31-Aug-16	0.11	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Pb	j	0.735	ug/L	13-Oct-16	0.11	1	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	pH		7.65	S.U.				EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	pH		7.65	S.U.				
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	pH		7.59	S.U.				EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	pH		7.59	S.U.				
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	pH		7.5	S.U.				EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	pH		7.5	S.U.				
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	pH		7.74	S.U.				EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	pH		7.74	S.U.				
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	pH		7.8	S.U.				EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	pH		7.8	S.U.				
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Sb	<	0.236	ug/L	23-Aug-16	0.236	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Sb	j	0.466	ug/L	24-Aug-16	0.236	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Sb	j	0.636	ug/L	24-Aug-16	0.236	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Sb	j	0.377	ug/L	31-Aug-16	0.236	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Sb	j	0.378	ug/L	13-Oct-16	0.236	1	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Se	<	1.034	ug/L	23-Aug-16	1.034	5	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Se	<	1.034	ug/L	24-Aug-16	1.034	5	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Se	<	1.034	ug/L	24-Aug-16	1.034	5	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Se	<	1.034	ug/L	31-Aug-16	1.034	5	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Se	<	1.034	ug/L	13-Oct-16	1.034	5	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Sn	<	0.336	ug/L	23-Aug-16	0.336	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Sn	<	0.336	ug/L	24-Aug-16	0.336	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Sn	j	0.545	ug/L	24-Aug-16	0.336	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Sn	<	0.336	ug/L	31-Aug-16	0.336	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Sn	j	0.49	ug/L	13-Oct-16	0.336	1	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	SO4		57.81	mg/L	28-Jul-16	0.5	5	EPA 300.0
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	SO4		65.06	mg/L	13-Aug-16	0.5	5	EPA 300.0
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	SO4		71.77	mg/L	19-Aug-16	0.5	5	EPA 300.0
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	SO4		64.39	mg/L	24-Aug-16	0.5	5	EPA 300.0
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	SO4		64.07	mg/L	30-Aug-16	0.5	5	EPA 300.0
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Sr		233.074	ug/L	23-Aug-16	0.234	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Sr		258.849	ug/L	24-Aug-16	0.234	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Sr		238.892	ug/L	24-Aug-16	0.234	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Sr		294.758	ug/L	31-Aug-16	0.234	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Sr		269.48	ug/L	13-Oct-16	0.234	1	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	TDS		528	mg/L	28-Jul-16	1	5	SM2540C

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	TDS		574	mg/L	5-Aug-16	1	5	SM2540C
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	TDS		566	mg/L	16-Aug-16	1	5	SM2540C
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	TDS		564	mg/L	22-Aug-16	1	5	SM2540C
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	TDS		594	mg/L	29-Aug-16	1	5	SM2540C
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Ti		4.349	ug/L	23-Aug-16	0.692	2	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Ti		6.364	ug/L	24-Aug-16	0.692	2	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Ti		5.225	ug/L	24-Aug-16	0.692	2	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Ti		4.75	ug/L	31-Aug-16	0.692	2	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Ti		3.568	ug/L	13-Oct-16	0.692	2	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	TKN		0.974	mg/L	8-Aug-16	0.242	0.5	EPA-351.1
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	TKN		0.718	mg/L	8-Aug-16	0.242	0.5	EPA-351.1
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	TKN		1.458	mg/L	18-Aug-16	0.242	0.5	EPA-351.1
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	TKN		0.872	mg/L	18-Aug-16	0.242	0.5	EPA-351.1
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	TKN		0.833	mg/L	29-Aug-16	0.242	0.5	EPA-351.1
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Tl	<	0.236	ug/L	23-Aug-16	0.236	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Tl	<	0.236	ug/L	24-Aug-16	0.236	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Tl	<	0.236	ug/L	24-Aug-16	0.236	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Tl	<	0.236	ug/L	31-Aug-16	0.236	1	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Tl	<	0.236	ug/L	13-Oct-16	0.236	1	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	TMET		17.4	ug/L	23-Aug-16	10		EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	TMET		21.2	ug/L	24-Aug-16	10		EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	TMET		33.7	ug/L	24-Aug-16	10		EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	TMET		22.6	ug/L	31-Aug-16	10		EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	TMET		19.4	ug/L	13-Oct-16	10		EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Total-P		0.217	mg/L	29-Jul-16	0.003	0.01	EPA 365.1
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Total-P		0.159	mg/L	9-Aug-16	0.003	0.01	EPA 365.1
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Total-P		0.279	mg/L	16-Aug-16	0.003	0.01	EPA 365.1
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Total-P		0.199	mg/L	19-Aug-16	0.003	0.01	EPA 365.1
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Total-P		0.169	mg/L	30-Aug-16	0.003	0.01	EPA 365.1
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	TS		572	mg/L	27-Jul-16	1	5	SM2540B
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	TS		712	mg/L	5-Aug-16	1	5	SM2540B
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	TS		620	mg/L	12-Aug-16	1	5	SM2540B
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	TS		624	mg/L	18-Aug-16	1	5	SM2540B
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	TS		436	mg/L	26-Aug-16	1	5	SM2540B
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	TSS		16.6	mg/L	28-Jul-16	0.5	1	SM2540D
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	TSS		132	mg/L	5-Aug-16	0.5	1	SM2540D
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	TSS		21	mg/L	12-Aug-16	0.5	1	SM2540D
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	TSS		31.4	mg/L	19-Aug-16	0.5	1	SM2540D
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	TSS		12.7	mg/L	25-Aug-16	0.5	1	SM2540D
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Turbidity		10.9	NTU				EPA 180.1
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Turbidity		29.7	NTU				EPA 180.1

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Turbidity		20.5	NTU				EPA 180.1
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Turbidity		20.8	NTU				EPA 180.1
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Turbidity		8.61	NTU				EPA 180.1
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	V	<	2.676	ug/L	23-Aug-16	2.676	10	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	V	<	2.676	ug/L	24-Aug-16	2.676	10	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	V	<	2.676	ug/L	24-Aug-16	2.676	10	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	V	<	2.676	ug/L	31-Aug-16	2.676	10	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	V	<	2.676	ug/L	13-Oct-16	2.676	10	EPA-200.8
Cuyahoga River	River Mile 7.00	7/27/2016 10:10	R-1607260011	Zn	j	9.282	ug/L	23-Aug-16	0.664	10	EPA-200.8
Cuyahoga River	River Mile 7.00	8/3/2016 11:50	R-1607280018	Zn		11.05	ug/L	24-Aug-16	0.664	10	EPA-200.8
Cuyahoga River	River Mile 7.00	8/10/2016 10:45	R-1608020005	Zn		20.14	ug/L	24-Aug-16	0.664	10	EPA-200.8
Cuyahoga River	River Mile 7.00	8/17/2016 11:55	R-1608110017	Zn		12.28	ug/L	31-Aug-16	0.664	10	EPA-200.8
Cuyahoga River	River Mile 7.00	8/24/2016 11:30	R-1608220005	Zn		10.52	ug/L	13-Oct-16	0.664	10	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	*CaCO3		176	mg/LCaCO3	22-Jun-16	1		EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	*CaCO3		175	mg/LCaCO3	22-Jun-16	1		EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	*CaCO3		176	mg/LCaCO3	29-Jun-16	1		EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	*CaCO3		187	mg/LCaCO3	22-Jul-16	1		EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	*CaCO3		179	mg/LCaCO3	22-Jul-16	1		EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	*CaCO3		174	mg/LCaCO3	15-Aug-16	1		EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Ag	<	0.228	ug/L	22-Jun-16	0.228	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Ag	<	0.228	ug/L	22-Jun-16	0.228	1	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Ag	<	0.228	ug/L	29-Jun-16	0.228	1	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Ag	<	0.228	ug/L	22-Jul-16	0.228	1	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Ag	<	0.228	ug/L	22-Jul-16	0.228	1	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Ag	<	0.228	ug/L	15-Aug-16	0.228	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Al	j	8.31	ug/L	22-Jun-16	4.282	10	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Al	j	7.397	ug/L	22-Jun-16	4.282	10	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Al	j	6.214	ug/L	29-Jun-16	4.282	10	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Al		137.6	ug/L	22-Jul-16	4.282	10	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Al		16.3	ug/L	22-Jul-16	4.282	10	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Al		25.06	ug/L	15-Aug-16	4.282	10	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Alkalinity		149.5	mg/LCaCO3	16-Jun-16	4.3	10	EPA-310.2
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Alkalinity		149.8	mg/LCaCO3	16-Jun-16	4.3	10	EPA-310.2
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Alkalinity		138.3	mg/LCaCO3	22-Jun-16	4.3	10	EPA-310.2
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Alkalinity		144.3	mg/LCaCO3	30-Jun-16	4.3	10	EPA-310.2
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Alkalinity		134.7	mg/LCaCO3	7-Jul-16	4.3	10	EPA-310.2
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Alkalinity		141.1	mg/LCaCO3	13-Jul-16	4.3	10	EPA-310.2
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	As	j	2.689	ug/L	22-Jun-16	2	4	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	As	j	2.29	ug/L	22-Jun-16	2	4	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	As	j	2.751	ug/L	29-Jun-16	2	4	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	As	j	2.915	ug/L	22-Jul-16	2	4	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	As	j	2.222	ug/L	22-Jul-16	2	4	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	As	j	2.338	ug/L	15-Aug-16	2	4	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Ba		27.66	ug/L	22-Jun-16	0.218	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Ba		27.36	ug/L	22-Jun-16	0.218	1	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Ba		26.32	ug/L	29-Jun-16	0.218	1	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Ba		29.79	ug/L	22-Jul-16	0.218	1	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Ba		25.94	ug/L	22-Jul-16	0.218	1	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Ba		26.71	ug/L	15-Aug-16	0.218	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Be	<	0.218	ug/L	22-Jun-16	0.218	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Be	<	0.218	ug/L	22-Jun-16	0.218	1	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Be	<	0.218	ug/L	29-Jun-16	0.218	1	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Be	<	0.218	ug/L	22-Jul-16	0.218	1	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Be	<	0.218	ug/L	22-Jul-16	0.218	1	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Be	<	0.218	ug/L	15-Aug-16	0.218	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	BOD	<	2	mg/L	16-Jun-16	2		SM 5210
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	BOD	AE		mg/L	16-Jun-16	2		SM 5210
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	BOD	<	2	mg/L	22-Jun-15	2		SM 5210
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	BOD	AE		mg/L	28-Jun-16	2		SM 5210
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	BOD	<	2	mg/L	5-Jul-16	2		SM 5210
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	BOD	AE		mg/L	13-Jul-16	2		SM 5210
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Ca		53550	ug/L	22-Jun-16	55.83	250	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Ca		53510	ug/L	22-Jun-16	55.83	250	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Ca		53110	ug/L	29-Jun-16	55.83	250	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Ca		55310	ug/L	22-Jul-16	55.83	250	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Ca		53460	ug/L	22-Jul-16	55.83	250	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Ca		54340	ug/L	15-Aug-16	55.83	250	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Cd	<	0.11	ug/L	22-Jun-16	0.11	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Cd	<	0.11	ug/L	22-Jun-16	0.11	1	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Cd	<	0.11	ug/L	29-Jun-16	0.11	1	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Cd	<	0.11	ug/L	22-Jul-16	0.11	1	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Cd	<	0.11	ug/L	22-Jul-16	0.11	1	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Cd	<	0.11	ug/L	15-Aug-16	0.11	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Chloride		291	mg/L	24-Jun-16	4	10	EPA 300.0
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Chloride		290.7	mg/L	24-Jun-16	4	10	EPA 300.0
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Chloride		293	mg/L	30-Jun-16	4	10	EPA 300.0
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Chloride		293	mg/L	30-Jun-16	4	10	
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Chloride		304.6	mg/L	30-Jun-16	4	10	EPA 300.0
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Chloride		302	mg/L	8-Jul-16	4	10	EPA 300.0
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Chloride		310.3	mg/L	13-Jul-16	4	10	EPA 300.0
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Co	j	0.257	ug/L	22-Jun-16	0.102	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Co	j	0.259	ug/L	22-Jun-16	0.102	1	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Co	j	0.192	ug/L	29-Jun-16	0.102	1	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Co	j	0.418	ug/L	22-Jul-16	0.102	1	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Co	j	0.17	ug/L	22-Jul-16	0.102	1	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Co	j	0.225	ug/L	15-Aug-16	0.102	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	COD		14.5	mg/L	21-Jun-16	2.1	10	EPA 410.4
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	COD		14.8	mg/L	21-Jun-16	2.1	10	EPA 410.4
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	COD		10.9	mg/L	23-Jun-16	2.1	10	EPA 410.4
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	COD		19.2	mg/L	29-Jun-16	2.1	10	EPA 410.4
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	COD		23	mg/L	8-Jul-16	2.1	10	EPA 410.4
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	COD	j	9.5	mg/L	13-Jul-16	2.1	10	EPA 410.4
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Conduct	HT	1333	uS/cm	18-Jul-16	0.168	0.838	SM 2510B
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Conduct	HT	1321	uS/cm	18-Jul-16	0.168	0.838	SM 2510B
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Conduct		1306	uS/cm	18-Jul-16	0.168	0.838	SM 2510B

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Conduct		1358	uS/cm	18-Jul-16	0.168	0.838	SM 2510B
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Conduct		1300	uS/cm	18-Jul-16	0.168	0.838	SM 2510B
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Conduct		1384	uS/cm	19-Jul-16	0.168	0.838	SM 2510B
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Cr	j	0.547	ug/L	22-Jun-16	0.168	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Cr	j	0.532	ug/L	22-Jun-16	0.168	1	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Cr	j	0.66	ug/L	29-Jun-16	0.168	1	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Cr		1.095	ug/L	22-Jul-16	0.168	1	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Cr	j	0.893	ug/L	22-Jul-16	0.168	1	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Cr	j	1.557	ug/L	15-Aug-16	0.168	2	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Cu		2.25	ug/L	22-Jun-16	0.966	2	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Cu		2.251	ug/L	22-Jun-16	0.966	2	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Cu	j	1.597	ug/L	21-Jul-16	0.704	2	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Cu		2.051	ug/L	22-Jul-16	0.704	2	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Cu	j	1.524	ug/L	22-Jul-16	0.966	2	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Cu	j	1.391	ug/L	15-Aug-16	0.704	2	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	DRPhos		0.042	mg/L	16-Jun-16	0.005	0.01	EPA 365.1
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	DRPhos		0.04	mg/L	16-Jun-16	0.005	0.01	EPA 365.1
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	DRPhos		0.04	mg/L	22-Jun-16	0.005	0.01	EPA 365.1
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	DRPhos		0.042	mg/L	28-Jun-16	0.005	0.01	EPA 365.1
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	DRPhos		0.035	mg/L	6-Jul-16	0.005	0.01	EPA 365.1
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	DRPhos		0.051	mg/L	12-Jul-16	0.005	0.01	EPA 365.1
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	E. coli		186	MPN/100 mL	15-Jun-16	1		SM 9223 Colilert
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	E. coli		200	MPN/100 mL	15-Jun-16	1		SM 9223 Colilert
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	E. coli		118	MPN/100 mL	21-Jun-16	1		SM 9223 Colilert
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	E. coli		118	MPN/100 mL	21-Jun-16	1		
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	E. coli		124	MPN/100 mL	28-Jun-16	1		SM 9223 Colilert
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	E. coli		278	MPN/100 mL	5-Jul-16	1		SM 9223 Colilert
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	E. coli		320	MPN/100 mL	12-Jul-16	1		SM 9223 Colilert
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Fe		230.8	ug/L	22-Jun-16	4.016	10	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Fe		231.3	ug/L	22-Jun-16	4.016	10	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Fe		220.6	ug/L	29-Jun-16	4.016	10	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Fe		462.6	ug/L	22-Jul-16	4.016	10	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Fe		269.7	ug/L	22-Jul-16	4.016	10	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Fe		357.7	ug/L	15-Aug-16	4.016	10	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Field Cond		1130	umhos/cm				SM 2510A
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Field Cond		1130	umhos/cm				SM 2510B
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Field Cond		1306	umhos/cm				SM 2510A
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Field Cond		1306	umhos/cm				SM 2510B
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Field Cond		1203	umhos/cm				SM 2510A
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Field Cond		1203	umhos/cm				SM 2510B
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Field Cond		1320	umhos/cm				SM 2510A

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Field Cond		1320	umhos/cm				SM 2510B
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Field Cond		1239	umhos/cm				SM 2510A
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Field Cond		1239	umhos/cm				SM 2510B
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Field Cond		1355	umhos/cm				SM 2510A
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Field Cond		1355	umhos/cm				SM 2510B
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Field Cond		1202	umhos/cm				SM 2510A
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Field Cond		1202	umhos/cm				SM 2510B
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Field Cond		1349	umhos/cm				SM 2510A
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Field Cond		1349	umhos/cm				SM 2510B
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Field Cond		1291	umhos/cm				SM 2510A
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Field Cond		1291	umhos/cm				SM 2510B
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Field Cond		1359	umhos/cm				SM 2510A
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Field Cond		1359	umhos/cm				SM 2510B
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Field DO		5.82	mg/L				SM 4500-0 G
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Field DO		5.82	mg/L				
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Field DO		65.4	%				SM 4500-0 G
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Field DO		65.4	%				
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Field DO		5.29	mg/L				SM 4500-0 G
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Field DO		5.29	mg/L				
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Field DO		58.8	%				SM 4500-0 G
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Field DO		58.8	%				
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Field DO		5.18	mg/L				SM 4500-0 G
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Field DO		5.18	mg/L				
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Field DO		57.7	%				SM 4500-0 G
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Field DO		57.7	%				
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Field DO		6.65	mg/L				SM 4500-0 G
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Field DO		6.65	mg/L				
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Field DO		72.4	%				SM 4500-0 G
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Field DO		72.4	%				
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Field DO		6.95	mg/L				SM 4500-0 G
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Field DO		6.95	mg/L				
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Field DO		80.3	%				SM 4500-0 G
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Field DO		80.3	%				
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Field Temp		18	C				EPA 170.1
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Field Temp		20.4	C				EPA 170.1
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Field Temp		20.5	C				EPA 170.1
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Field Temp		19.3	C				EPA 170.1
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Field Temp		22.4	C				EPA 170.1
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Hg	<	0.005	ug/L	20-Jun-16	0.005	0.05	EPA 245.1
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Hg	<	0.005	ug/L	20-Jun-16	0.005	0.05	EPA 245.1
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Hg	<	0.005	ug/L	28-Jun-16	0.005	0.05	EPA 245.1

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Hg	<	0.005	ug/L	7-Jul-16	0.005	0.05	EPA 245.1
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Hg	<	0.005	ug/L	7-Jul-16	0.005	0.05	EPA 245.1
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Hg	<	0.005	ug/L	19-Jul-16	0.005	0.05	EPA 245.1
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	K		3056	ug/L	22-Jun-16	162.4	500	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	K		3003	ug/L	22-Jun-16	162.4	500	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	K		3342	ug/L	29-Jun-16	162.4	500	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	K		3509	ug/L	22-Jul-16	162.4	500	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	K		3382	ug/L	22-Jul-16	162.4	500	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	K		3415	ug/L	15-Aug-16	162.4	1000	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Mg		10240	ug/L	22-Jun-16	23.49	250	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Mg		9977	ug/L	22-Jun-16	23.49	250	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Mg		10560	ug/L	29-Jun-16	23.49	250	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Mg		11920	ug/L	22-Jul-16	23.49	250	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Mg		11160	ug/L	22-Jul-16	23.49	250	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Mg		9378	ug/L	15-Aug-16	23.49	250	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Mn		276.9	ug/L	22-Jun-16	0.164	2	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Mn		268	ug/L	22-Jun-16	0.164	2	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Mn		210.7	ug/L	29-Jun-16	0.164	2	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Mn		320.8	ug/L	22-Jul-16	0.164	2	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Mn		132	ug/L	22-Jul-16	0.164	2	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Mn		185	ug/L	15-Aug-16	0.164	2	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Mo		2.869	ug/L	22-Jun-16	0.18	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Mo		2.802	ug/L	22-Jun-16	0.18	1	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Mo		3.009	ug/L	29-Jun-16	0.18	1	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Mo		3.014	ug/L	22-Jul-16	0.18	1	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Mo		2.773	ug/L	22-Jul-16	0.18	1	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Mo		3.268	ug/L	15-Aug-16	0.18	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Na		177500	ug/L	22-Jun-16	169	500	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Na		173200	ug/L	22-Jun-16	169	500	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Na		198400	ug/L	29-Jun-16	169	500	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Na		207400	ug/L	22-Jul-16	169	500	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Na		201000	ug/L	22-Jul-16	169	500	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Na		203900	ug/L	15-Aug-16	169	500	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	NH3		0.032	mg/L	16-Jun-16	0.009	0.02	EPA-350.1
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	NH3		0.031	mg/L	16-Jun-16	0.009	0.02	EPA-350.1
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	NH3		0.028	mg/L	22-Jun-16	0.009	0.02	EPA-350.1
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	NH3		0.027	mg/L	29-Jun-16	0.009	0.02	EPA-350.1
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	NH3	j	0.017	mg/L	6-Jul-16	0.009	0.02	EPA-350.1
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	NH3	j	0.015	mg/L	13-Jul-16	0.009	0.02	EPA-350.1
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Ni	j	2.172	ug/L	22-Jun-16	0.414	4	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Ni	j	2.102	ug/L	22-Jun-16	0.414	4	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Ni	j	1.921	ug/L	29-Jun-16	0.414	4	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Ni	j	2.373	ug/L	22-Jul-16	0.414	4	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Ni	j	1.899	ug/L	22-Jul-16	0.414	4	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Ni	j	2.069	ug/L	15-Aug-16	0.414	4	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	NO2	<	0.008	mg/L	16-Jun-16	0.008	0.02	EPA 300.0
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	NO2	<	0.008	mg/L	16-Jun-16	0.008	0.02	SM 4500-NO2-B
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	NO2	<	0.008	mg/L	16-Jun-16	0.008	0.02	EPA 300.0
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	NO2	<	0.008	mg/L	16-Jun-16	0.008	0.02	SM 4500-NO2-B
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	NO2	<	0.008	mg/L	22-Jun-16	0.008	0.02	EPA 300.0
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	NO2	<	0.008	mg/L	22-Jun-16	0.008	0.02	SM 4500-NO2-B
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	NO2	<	0.008	mg/L	22-Jun-16	0.008	0.02	
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	NO2	<	0.008	mg/L	29-Jun-16	0.008	0.02	EPA 300.0
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	NO2	<	0.008	mg/L	29-Jun-16	0.008	0.02	SM 4500-NO2-B
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	NO2	<	0.008	mg/L	6-Jul-16	0.008	0.02	EPA 300.0
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	NO2	<	0.008	mg/L	6-Jul-16	0.008	0.02	SM 4500-NO2-B
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	NO2	<	0.008	mg/L	13-Jul-16	0.008	0.02	EPA 300.0
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	NO2	<	0.008	mg/L	13-Jul-16	0.008	0.02	SM 4500-NO2-B
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	NO3		0.132	mg/L	16-Jun-16	0.007	0.02	EPA 300.0
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	NO3		0.132	mg/L	16-Jun-16	0.007	0.02	EPA 353.2
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	NO3		0.138	mg/L	16-Jun-16	0.007	0.02	EPA 300.0
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	NO3		0.138	mg/L	16-Jun-16	0.007	0.02	EPA 353.2
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	NO3		0.126	mg/L	22-Jun-16	0.007	0.02	EPA 300.0
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	NO3		0.126	mg/L	22-Jun-16	0.007	0.02	EPA 353.2
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	NO3		0.126	mg/L	22-Jun-16	0.007	0.02	
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	NO3		0.113	mg/L	29-Jun-16	0.007	0.02	EPA 300.0
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	NO3		0.113	mg/L	29-Jun-16	0.007	0.02	EPA 353.2
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	NO3		0.179	mg/L	6-Jul-16	0.007	0.02	EPA 300.0
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	NO3		0.179	mg/L	6-Jul-16	0.007	0.02	EPA 353.2
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	NO3		0.114	mg/L	13-Jul-16	0.007	0.02	EPA 300.0
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	NO3		0.114	mg/L	13-Jul-16	0.007	0.02	EPA 353.2
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	NO3+NO2		0.13	mg/L	16-Jun-16	0.007	0.02	EPA 353.2
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	NO3+NO2		0.138	mg/L	16-Jun-16	0.007	0.02	EPA 353.2
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	NO3+NO2		0.121	mg/L	22-Jun-16	0.007	0.02	EPA 353.2
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	NO3+NO2		0.113	mg/L	29-Jun-16	0.007	0.02	EPA 353.2
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	NO3+NO2		0.179	mg/L	6-Jul-16	0.007	0.02	EPA 353.2
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	NO3+NO2		0.114	mg/L	13-Jul-16	0.007	0.02	EPA 353.2
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Pb	j	0.122	ug/L	22-Jun-16	0.11	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Pb	j	0.119	ug/L	22-Jun-16	0.11	1	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Pb	<	0.11	ug/L	29-Jun-16	0.11	1	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Pb	j	0.798	ug/L	22-Jul-16	0.11	1	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Pb	<	0.11	ug/L	22-Jul-16	0.11	1	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Pb	j	0.134	ug/L	15-Aug-16	0.11	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	pH		7.61	S.U.				EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	pH		7.61	S.U.				
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	pH		7.48	S.U.				EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	pH		7.48	S.U.				
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	pH		7.56	S.U.				EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	pH		7.56	S.U.				
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	pH		7.63	S.U.				EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	pH		7.63	S.U.				
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	pH		7.78	S.U.				EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	pH		7.78	S.U.				
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Sb	<	0.236	ug/L	22-Jun-16	0.236	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Sb	<	0.236	ug/L	22-Jun-16	0.236	1	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Sb	<	0.236	ug/L	29-Jun-16	0.236	1	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Sb	<	0.236	ug/L	22-Jul-16	0.236	1	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Sb	<	0.236	ug/L	22-Jul-16	0.236	1	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Sb	<	0.236	ug/L	15-Aug-16	0.236	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Se	<	1.034	ug/L	22-Jun-16	1.034	5	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Se	<	1.034	ug/L	22-Jun-16	1.034	5	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Se	<	1.034	ug/L	29-Jun-16	1.034	5	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Se	<	1.034	ug/L	22-Jul-16	1.034	5	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Se	<	1.034	ug/L	22-Jul-16	1.034	5	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Se	<	1.034	ug/L	15-Aug-16	1.034	5	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Sn	j	0.362	ug/L	22-Jun-16	0.336	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Sn	<	0.336	ug/L	22-Jun-16	0.336	1	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Sn	<	0.336	ug/L	29-Jun-16	0.336	1	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Sn	<	0.336	ug/L	22-Jul-16	0.336	1	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Sn	<	0.336	ug/L	22-Jul-16	0.336	1	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Sn	<	0.336	ug/L	15-Aug-16	0.336	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	SO4		36.01	mg/L	24-Jun-16	0.5	5	EPA 300.0
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	SO4		36.16	mg/L	24-Jun-16	0.5	5	EPA 300.0
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	SO4		32.2	mg/L	30-Jun-16	0.5	5	EPA 300.0
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	SO4		32.2	mg/L	30-Jun-16	0.5	5	
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	SO4		31.9	mg/L	30-Jun-16	0.5	5	EPA 300.0
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	SO4		30.24	mg/L	8-Jul-16	0.5	5	EPA 300.0
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	SO4		25.64	mg/L	13-Jul-16	0.5	5	EPA 300.0
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Sr		297.162	ug/L	22-Jun-16	0.234	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Sr		294.555	ug/L	22-Jun-16	0.234	1	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Sr		299.706	ug/L	29-Jun-16	0.234	1	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Sr		303.739	ug/L	22-Jul-16	0.234	1	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Sr		299.809	ug/L	22-Jul-16	0.234	1	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Sr		291.159	ug/L	15-Aug-16	0.234	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	TDS		686	mg/L	16-Jun-16	1	5	SM2540C
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	TDS		696	mg/L	16-Jun-16	1	5	SM2540C
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	TDS		690	mg/L	23-Jun-16	1	5	SM2540C
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	TDS		706	mg/L	30-Jun-16	1	5	SM2540C
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	TDS		730	mg/L	7-Jul-16	1	5	SM2540C
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	TDS		710	mg/L	14-Jul-16	1	5	SM2540C
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Ti	j	0.852	ug/L	22-Jun-16	0.692	2	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Ti	j	0.884	ug/L	22-Jun-16	0.692	2	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Ti	j	0.785	ug/L	29-Jun-16	0.692	2	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Ti		2.657	ug/L	22-Jul-16	0.692	2	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Ti	j	1.073	ug/L	22-Jul-16	0.692	2	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Ti	j	1.786	ug/L	15-Aug-16	0.692	2	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	TKN		0.612	mg/L	24-Jun-16	0.242	0.5	EPA-351.1
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	TKN		0.604	mg/L	24-Jun-16	0.242	0.5	EPA-351.1
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	TKN		0.643	mg/L	24-Jun-16	0.242	0.5	EPA-351.1
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	TKN		0.57	mg/L	1-Jul-16	0.242	0.5	EPA-351.1
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	TKN		0.64	mg/L	11-Jul-16	0.242	0.5	EPA-351.1
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	TKN		0.695	mg/L	20-Jul-16	0.242	0.5	EPA-351.1
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Tl	<	0.236	ug/L	22-Jun-16	0.236	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Tl	<	0.236	ug/L	22-Jun-16	0.236	1	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Tl	<	0.236	ug/L	29-Jun-16	0.236	1	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Tl	<	0.236	ug/L	22-Jul-16	0.236	1	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Tl	<	0.236	ug/L	22-Jul-16	0.236	1	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Tl	<	0.236	ug/L	15-Aug-16	0.236	1	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	TMET	<	10	ug/L	22-Jun-16	10		EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	TMET	<	10	ug/L	22-Jun-16	10		EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	TMET	<	10	ug/L	21-Jul-16	10		EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	TMET		13.2	ug/L	22-Jul-16	10		EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	TMET	<	10	ug/L	22-Jul-16	10		EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	TMET	<	10	ug/L	15-Aug-16	10		EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Total-P		0.062	mg/L	17-Jun-16	0.003	0.01	EPA 365.1
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Total-P		0.06	mg/L	17-Jun-16	0.003	0.01	EPA 365.1
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Total-P		0.068	mg/L	28-Jun-16	0.003	0.01	EPA 365.1
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Total-P		0.07	mg/L	1-Jul-16	0.003	0.01	EPA 365.1
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Total-P		0.062	mg/L	7-Jul-16	0.003	0.01	EPA 365.1
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Total-P		0.074	mg/L	19-Jul-16	0.003	0.01	EPA 365.1
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	TS		824	mg/L	16-Jun-16	1	5	SM2540B
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	TS		788	mg/L	16-Jun-16	1	5	SM2540B
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	TS		740	mg/L	22-Jun-16	1	5	SM2540B
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	TS		764	mg/L	29-Jun-16	1	5	SM2540B

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	TS		716	mg/L	6-Jul-16	1	5	SM2540B
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	TS		768	mg/L	13-Jul-16	1	5	SM2540B
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	TSS		38.8	mg/L	16-Jun-16	0.5	1	SM2540D
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	TSS		25.6	mg/L	16-Jun-16	0.5	1	SM2540D
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	TSS	j	0.9	mg/L	22-Jun-16	0.5	1	SM2540D
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	TSS		5.3	mg/L	29-Jun-16	0.5	1	SM2540D
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	TSS		1.2	mg/L	6-Jul-16	0.5	1	SM2540D
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	TSS		19.1	mg/L	13-Jul-16	0.5	1	SM2540D
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Turbidity		1.08	NTU				EPA 180.1
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Turbidity		1.03	NTU				EPA 180.1
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Turbidity		1.38	NTU				EPA 180.1
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Turbidity		5.09	NTU				EPA 180.1
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Turbidity		2.33	NTU				EPA 180.1
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Turbidity		1.56	NTU				EPA 180.1
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	V	<	2.676	ug/L	22-Jun-16	2.676	10	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	V	<	2.676	ug/L	22-Jun-16	2.676	10	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	V	<	2.676	ug/L	29-Jun-16	2.676	10	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	V	<	2.676	ug/L	22-Jul-16	2.676	10	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	V	<	2.676	ug/L	22-Jul-16	2.676	10	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	V	<	2.676	ug/L	15-Aug-16	2.676	10	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140003	Zn	j	1.246	ug/L	22-Jun-16	0.664	10	EPA-200.8
Doan Brook	River Mile 6.70	6/15/2016 13:20	R-1606140004	Zn	j	1.141	ug/L	22-Jun-16	0.664	10	EPA-200.8
Doan Brook	River Mile 6.70	6/21/2016 11:15	R-1606170015	Zn	j	0.862	ug/L	29-Jun-16	0.664	10	EPA-200.8
Doan Brook	River Mile 6.70	6/28/2016 11:23	R-1606240006	Zn	j	2.657	ug/L	22-Jul-16	0.664	10	EPA-200.8
Doan Brook	River Mile 6.70	7/5/2016 12:00	R-1607010003	Zn	j	1.864	ug/L	22-Jul-16	0.664	10	EPA-200.8
Doan Brook	River Mile 6.70	7/12/2016 11:50	R-1607080006	Zn	j	1.004	ug/L	15-Aug-16	0.664	10	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	*CaCO3		244	mg/LCaCO3	22-Jun-16	1		EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	*CaCO3		244	mg/LCaCO3	29-Jun-16	1		EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	*CaCO3		270	mg/LCaCO3	22-Jul-16	1		EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	*CaCO3		270	mg/LCaCO3	22-Jul-16	1		EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	*CaCO3		235	mg/LCaCO3	15-Aug-16	1		EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Ag	<	0.228	ug/L	22-Jun-16	0.228	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Ag	<	0.228	ug/L	29-Jun-16	0.228	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Ag	<	0.228	ug/L	22-Jul-16	0.228	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Ag	<	0.228	ug/L	22-Jul-16	0.228	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Ag	<	0.228	ug/L	15-Aug-16	0.228	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Al		15.12	ug/L	22-Jun-16	4.282	10	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Al		12.03	ug/L	29-Jun-16	4.282	10	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Al		21.93	ug/L	22-Jul-16	4.282	10	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Al		14.59	ug/L	22-Jul-16	4.282	10	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Al		19.62	ug/L	15-Aug-16	4.282	10	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Alkalinity		148	mg/LCaCO3	16-Jun-16	4.3	10	EPA-310.2
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Alkalinity		140.6	mg/LCaCO3	22-Jun-16	4.3	10	EPA-310.2
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Alkalinity		139.2	mg/LCaCO3	30-Jun-16	4.3	10	EPA-310.2
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Alkalinity		134.6	mg/LCaCO3	7-Jul-16	4.3	10	EPA-310.2
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Alkalinity		129.7	mg/LCaCO3	13-Jul-16	4.3	10	EPA-310.2
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	As	<	2	ug/L	22-Jun-16	2	4	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	As	<	2	ug/L	29-Jun-16	2	4	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	As	<	2	ug/L	22-Jul-16	2	4	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	As	<	2	ug/L	22-Jul-16	2	4	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	As	<	2	ug/L	15-Aug-16	2	4	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Ba		40.48	ug/L	22-Jun-16	0.218	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Ba		40.39	ug/L	29-Jun-16	0.218	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Ba		41.53	ug/L	22-Jul-16	0.218	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Ba		43.78	ug/L	22-Jul-16	0.218	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Ba		38.05	ug/L	15-Aug-16	0.218	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Be	<	0.218	ug/L	22-Jun-16	0.218	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Be	<	0.218	ug/L	29-Jun-16	0.218	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Be	<	0.218	ug/L	22-Jul-16	0.218	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Be	<	0.218	ug/L	22-Jul-16	0.218	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Be	<	0.218	ug/L	15-Aug-16	0.218	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	BOD	AE		mg/L	16-Jun-16	2		SM 5210
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	BOD	<	2	mg/L	22-Jun-15	2		SM 5210
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	BOD	AE		mg/L	28-Jun-16	2		SM 5210
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	BOD	<	2	mg/L	5-Jul-16	2		SM 5210
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	BOD	AE		mg/L	13-Jul-16	2		SM 5210
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Ca		72020	ug/L	22-Jun-16	55.83	250	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Ca		71400	ug/L	29-Jun-16	55.83	250	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Ca		76680	ug/L	22-Jul-16	55.83	250	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Ca		78770	ug/L	22-Jul-16	55.83	250	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Ca		70900	ug/L	15-Aug-16	55.83	250	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Cd	<	0.11	ug/L	22-Jun-16	0.11	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Cd	<	0.11	ug/L	29-Jun-16	0.11	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Cd	<	0.11	ug/L	22-Jul-16	0.11	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Cd	<	0.11	ug/L	22-Jul-16	0.11	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Cd	<	0.11	ug/L	15-Aug-16	0.11	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Chloride		284.8	mg/L	24-Jun-16	4	10	EPA 300.0
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Chloride		273.5	mg/L	30-Jun-16	4	10	EPA 300.0
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Chloride		297	mg/L	30-Jun-16	4	10	EPA 300.0
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Chloride		302	mg/L	8-Jul-16	4	10	EPA 300.0
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Chloride		302	mg/L	8-Jul-16	4	10	
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Chloride		241.9	mg/L	13-Jul-16	4	10	EPA 300.0
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Co	j	0.134	ug/L	22-Jun-16	0.102	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Co	j	0.11	ug/L	29-Jun-16	0.102	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Co	j	0.109	ug/L	22-Jul-16	0.102	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Co	j	0.131	ug/L	22-Jul-16	0.102	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Co	j	0.127	ug/L	15-Aug-16	0.102	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	COD		10.1	mg/L	21-Jun-16	2.1	10	EPA 410.4
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	COD		11.7	mg/L	23-Jun-16	2.1	10	EPA 410.4
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	COD		13.3	mg/L	29-Jun-16	2.1	10	EPA 410.4
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	COD		17.4	mg/L	8-Jul-16	2.1	10	EPA 410.4
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	COD	<	2.1	mg/L	13-Jul-16	2.1	10	EPA 410.4
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Conduct	HT	1387	uS/cm	18-Jul-16	0.168	0.838	SM 2510B
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Conduct		1348	uS/cm	18-Jul-16	0.168	0.838	SM 2510B
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Conduct		1400	uS/cm	18-Jul-16	0.168	0.838	SM 2510B
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Conduct		1208	uS/cm	19-Jul-16	0.168	0.838	SM 2510B
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Cr	j	0.55	ug/L	22-Jun-16	0.168	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Cr	j	0.719	ug/L	29-Jun-16	0.168	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Cr	j	0.875	ug/L	22-Jul-16	0.168	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Cr	j	0.98	ug/L	22-Jul-16	0.168	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Cr	j	1.532	ug/L	15-Aug-16	0.168	2	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Cu		2.915	ug/L	22-Jun-16	0.966	2	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Cu		3.482	ug/L	21-Jul-16	0.704	2	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Cu		3.237	ug/L	22-Jul-16	0.704	2	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Cu		4.684	ug/L	22-Jul-16	0.704	2	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Cu		4.251	ug/L	15-Aug-16	0.704	2	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	DRPhos		0.19	mg/L	16-Jun-16	0.005	0.01	EPA 365.1
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	DRPhos		0.201	mg/L	22-Jun-16	0.005	0.01	EPA 365.1

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	DRPhos		0.159	mg/L	28-Jun-16	0.005	0.01	EPA 365.1
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	DRPhos		0.1	mg/L	6-Jul-16	0.005	0.01	EPA 365.1
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	DRPhos		0.16	mg/L	12-Jul-16	0.005	0.01	EPA 365.1
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	E. coli		71320	MPN/100 mL	15-Jun-16	1		SM 9223 Colilert
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	E. coli		71320	MPN/100 mL	15-Jun-16	1		
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	E. coli		38505	MPN/100 mL	21-Jun-16	1		SM 9223 Colilert
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	E. coli		7500	MPN/100 mL	28-Jun-16	1		SM 9223 Colilert
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	E. coli		1071	MPN/100 mL	5-Jul-16	1		SM 9223 Colilert
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	E. coli		214	MPN/100 mL	12-Jul-16	1		SM 9223 Colilert
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Fe		247.4	ug/L	22-Jun-16	4.016	10	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Fe		218.4	ug/L	29-Jun-16	4.016	10	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Fe		198	ug/L	22-Jul-16	4.016	10	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Fe		231.6	ug/L	22-Jul-16	4.016	10	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Fe		260.1	ug/L	15-Aug-16	4.016	10	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Field Cond		1176	umhos/cm				SM 2510A
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Field Cond		1176	umhos/cm				SM 2510B
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Field Cond		1349	umhos/cm				SM 2510A
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Field Cond		1349	umhos/cm				SM 2510B
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Field Cond		1202	umhos/cm				SM 2510A
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Field Cond		1202	umhos/cm				SM 2510B
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Field Cond		1340	umhos/cm				SM 2510A
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Field Cond		1340	umhos/cm				SM 2510B
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Field Cond		1286	umhos/cm				SM 2510A
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Field Cond		1286	umhos/cm				SM 2510B
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Field Cond		1401	umhos/cm				SM 2510A
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Field Cond		1401	umhos/cm				SM 2510B
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Field Cond		1297	umhos/cm				SM 2510A
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Field Cond		1297	umhos/cm				SM 2510B
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Field Cond		1426	umhos/cm				SM 2510A
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Field Cond		1426	umhos/cm				SM 2510B
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Field Cond		1103	umhos/cm				SM 2510A
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Field Cond		1103	umhos/cm				SM 2510B
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Field Cond		1175	umhos/cm				SM 2510A
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Field Cond		1175	umhos/cm				SM 2510B
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Field DO		9.12	mg/L				SM 4500-0 G
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Field DO		9.12	mg/L				
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Field DO		92.4	%				SM 4500-0 G
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Field DO		92.4	%				
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Field DO		5.72	mg/L				SM 4500-0 G
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Field DO		5.72	mg/L				
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Field DO		62.9	%				SM 4500-0 G

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Field DO		62.9	%				
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Field DO		7.61	mg/L				SM 4500-0 G
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Field DO		7.61	mg/L				
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Field DO		85.2	%				SM 4500-0 G
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Field DO		85.2	%				
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Field DO		8	mg/L				SM 4500-0 G
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Field DO		8	mg/L				
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Field DO		88.8	%				SM 4500-0 G
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Field DO		88.8	%				
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Field DO		8.78	mg/L				SM 4500-0 G
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Field DO		8.78	mg/L				
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Field DO		99.3	%				SM 4500-0 G
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Field DO		99.3	%				
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Field Temp		18.3	C				EPA 170.1
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Field Temp		19.7	C				EPA 170.1
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Field Temp		20.7	C				EPA 170.1
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Field Temp		20.3	C				EPA 170.1
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Field Temp		21.8	C				EPA 170.1
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Hg	<	0.005	ug/L	20-Jun-16	0.005	0.05	EPA 245.1
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Hg	<	0.005	ug/L	28-Jun-16	0.005	0.05	EPA 245.1
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Hg	<	0.005	ug/L	7-Jul-16	0.005	0.05	EPA 245.1
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Hg	<	0.005	ug/L	7-Jul-16	0.005	0.05	EPA 245.1
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Hg	<	0.005	ug/L	19-Jul-16	0.005	0.05	EPA 245.1
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	K		3936	ug/L	22-Jun-16	162.4	500	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	K		3991	ug/L	29-Jun-16	162.4	500	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	K		4243	ug/L	22-Jul-16	162.4	500	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	K		4515	ug/L	22-Jul-16	162.4	500	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	K		4022	ug/L	15-Aug-16	162.4	1000	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Mg		15680	ug/L	22-Jun-16	23.49	250	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Mg		16060	ug/L	29-Jun-16	23.49	250	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Mg		19030	ug/L	22-Jul-16	23.49	250	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Mg		17760	ug/L	22-Jul-16	23.49	250	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Mg		14120	ug/L	15-Aug-16	23.49	250	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Mn		29.58	ug/L	22-Jun-16	0.164	2	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Mn		31.21	ug/L	29-Jun-16	0.164	2	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Mn		16.96	ug/L	22-Jul-16	0.164	2	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Mn		10.71	ug/L	22-Jul-16	0.164	2	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Mn		11.74	ug/L	15-Aug-16	0.164	2	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Mo		3.102	ug/L	22-Jun-16	0.18	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Mo		2.675	ug/L	29-Jun-16	0.18	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Mo		2.892	ug/L	22-Jul-16	0.18	1	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Mo		3.628	ug/L	22-Jul-16	0.18	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Mo		3.648	ug/L	15-Aug-16	0.18	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Na		161200	ug/L	22-Jun-16	169	500	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Na		170900	ug/L	29-Jun-16	169	500	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Na		188400	ug/L	22-Jul-16	169	500	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Na		185000	ug/L	22-Jul-16	169	500	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Na		153200	ug/L	15-Aug-16	169	500	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	NH3		0.543	mg/L	16-Jun-16	0.009	0.02	EPA-350.1
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	NH3		0.551	mg/L	22-Jun-16	0.009	0.02	EPA-350.1
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	NH3		0.112	mg/L	29-Jun-16	0.009	0.02	EPA-350.1
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	NH3	j	0.01	mg/L	6-Jul-16	0.009	0.02	EPA-350.1
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	NH3	j	0.009	mg/L	13-Jul-16	0.009	0.02	EPA-350.1
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Ni	j	1.659	ug/L	22-Jun-16	0.414	4	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Ni	j	1.548	ug/L	29-Jun-16	0.414	4	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Ni	j	1.628	ug/L	22-Jul-16	0.414	4	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Ni	j	1.875	ug/L	22-Jul-16	0.414	4	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Ni	j	2.026	ug/L	15-Aug-16	0.414	4	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	NO2		0.068	mg/L	16-Jun-16	0.008	0.02	EPA 300.0
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	NO2		0.068	mg/L	16-Jun-16	0.008	0.02	SM 4500-NO2-B
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	NO2		0.084	mg/L	22-Jun-16	0.008	0.02	EPA 300.0
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	NO2		0.084	mg/L	22-Jun-16	0.008	0.02	SM 4500-NO2-B
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	NO2		0.02	mg/L	29-Jun-16	0.008	0.02	EPA 300.0
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	NO2		0.02	mg/L	29-Jun-16	0.008	0.02	SM 4500-NO2-B
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	NO2	<	0.008	mg/L	6-Jul-16	0.008	0.02	EPA 300.0
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	NO2	<	0.008	mg/L	6-Jul-16	0.008	0.02	SM 4500-NO2-B
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	NO2	<	0.008	mg/L	6-Jul-16	0.008	0.02	
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	NO2	<	0.008	mg/L	13-Jul-16	0.008	0.02	EPA 300.0
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	NO2	<	0.008	mg/L	13-Jul-16	0.008	0.02	SM 4500-NO2-B
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	NO3		0.608	mg/L	16-Jun-16	0.007	0.02	EPA 300.0
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	NO3		0.608	mg/L	16-Jun-16	0.007	0.02	EPA 353.2
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	NO3		0.55	mg/L	22-Jun-16	0.007	0.02	EPA 300.0
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	NO3		0.55	mg/L	22-Jun-16	0.007	0.02	EPA 353.2
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	NO3		0.634	mg/L	29-Jun-16	0.007	0.02	EPA 300.0
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	NO3		0.634	mg/L	29-Jun-16	0.007	0.02	EPA 353.2
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	NO3		0.508	mg/L	6-Jul-16	0.007	0.02	EPA 300.0
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	NO3		0.508	mg/L	6-Jul-16	0.007	0.02	EPA 353.2
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	NO3		0.508	mg/L	6-Jul-16	0.007	0.02	
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	NO3		0.472	mg/L	13-Jul-16	0.007	0.02	EPA 300.0
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	NO3		0.472	mg/L	13-Jul-16	0.007	0.02	EPA 353.2
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	NO3+NO2		0.678	mg/L	16-Jun-16	0.007	0.02	EPA 353.2
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	NO3+NO2		0.634	mg/L	22-Jun-16	0.007	0.02	EPA 353.2

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	NO3+NO2		0.654	mg/L	29-Jun-16	0.007	0.02	EPA 353.2
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	NO3+NO2		0.508	mg/L	6-Jul-16	0.007	0.02	EPA 353.2
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	NO3+NO2		0.472	mg/L	13-Jul-16	0.007	0.02	EPA 353.2
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Pb	j	0.32	ug/L	22-Jun-16	0.11	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Pb	j	0.428	ug/L	29-Jun-16	0.11	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Pb	j	0.299	ug/L	22-Jul-16	0.11	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Pb	j	0.268	ug/L	22-Jul-16	0.11	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Pb	j	0.232	ug/L	15-Aug-16	0.11	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	pH		7.82	S.U.				EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	pH		7.82	S.U.				
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	pH		7.62	S.U.				EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	pH		7.62	S.U.				
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	pH		7.9	S.U.				EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	pH		7.9	S.U.				
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	pH		7.95	S.U.				EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	pH		7.95	S.U.				
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	pH		8.05	S.U.				EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	pH		8.05	S.U.				
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Sb	j	0.314	ug/L	22-Jun-16	0.236	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Sb	<	0.236	ug/L	29-Jun-16	0.236	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Sb	j	0.252	ug/L	22-Jul-16	0.236	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Sb	j	0.309	ug/L	22-Jul-16	0.236	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Sb	j	0.282	ug/L	15-Aug-16	0.236	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Se	<	1.034	ug/L	22-Jun-16	1.034	5	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Se	<	1.034	ug/L	29-Jun-16	1.034	5	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Se	<	1.034	ug/L	22-Jul-16	1.034	5	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Se	<	1.034	ug/L	22-Jul-16	1.034	5	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Se	<	1.034	ug/L	15-Aug-16	1.034	5	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Sn	<	0.336	ug/L	22-Jun-16	0.336	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Sn	<	0.336	ug/L	29-Jun-16	0.336	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Sn	<	0.336	ug/L	22-Jul-16	0.336	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Sn	<	0.336	ug/L	22-Jul-16	0.336	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Sn	<	0.336	ug/L	15-Aug-16	0.336	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	SO4		73.32	mg/L	24-Jun-16	0.5	5	EPA 300.0
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	SO4		68	mg/L	30-Jun-16	0.5	5	EPA 300.0
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	SO4		73.71	mg/L	30-Jun-16	0.5	5	EPA 300.0
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	SO4		72.95	mg/L	8-Jul-16	0.5	5	EPA 300.0
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	SO4		72.95	mg/L	8-Jul-16	0.5	5	
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	SO4		58.89	mg/L	13-Jul-16	0.5	5	EPA 300.0
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Sr		332.296	ug/L	22-Jun-16	0.234	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Sr		329.193	ug/L	29-Jun-16	0.234	1	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Sr		357.992	ug/L	22-Jul-16	0.234	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Sr		368.38	ug/L	22-Jul-16	0.234	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Sr		315.835	ug/L	15-Aug-16	0.234	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	TDS		788	mg/L	16-Jun-16	1	5	SM2540C
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	TDS		724	mg/L	23-Jun-16	1	5	SM2540C
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	TDS		802	mg/L	30-Jun-16	1	5	SM2540C
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	TDS		820	mg/L	7-Jul-16	1	5	SM2540C
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	TDS		648	mg/L	14-Jul-16	1	5	SM2540C
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Ti	j	1.437	ug/L	22-Jun-16	0.692	2	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Ti	j	1.641	ug/L	29-Jun-16	0.692	2	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Ti	j	1.631	ug/L	22-Jul-16	0.692	2	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Ti	j	1.239	ug/L	22-Jul-16	0.692	2	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Ti		2.131	ug/L	15-Aug-16	0.692	2	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	TKN		1.358	mg/L	24-Jun-16	0.242	0.5	EPA-351.1
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	TKN		1.387	mg/L	24-Jun-16	0.242	0.5	EPA-351.1
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	TKN		0.6	mg/L	1-Jul-16	0.242	0.5	EPA-351.1
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	TKN		0.634	mg/L	11-Jul-16	0.242	0.5	EPA-351.1
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	TKN		0.673	mg/L	20-Jul-16	0.242	0.5	EPA-351.1
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Tl	<	0.236	ug/L	22-Jun-16	0.236	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Tl	<	0.236	ug/L	29-Jun-16	0.236	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Tl	<	0.236	ug/L	22-Jul-16	0.236	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Tl	<	0.236	ug/L	22-Jul-16	0.236	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Tl	<	0.236	ug/L	15-Aug-16	0.236	1	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	TMET	<	10	ug/L	22-Jun-16	10		EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	TMET	<	10	ug/L	21-Jul-16	10		EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	TMET		11.7	ug/L	22-Jul-16	10		EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	TMET		13.3	ug/L	22-Jul-16	10		EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	TMET		10.2	ug/L	15-Aug-16	10		EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Total-P		0.242	mg/L	17-Jun-16	0.003	0.01	EPA 365.1
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Total-P		0.254	mg/L	28-Jun-16	0.003	0.01	EPA 365.1
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Total-P		0.179	mg/L	1-Jul-16	0.003	0.01	EPA 365.1
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Total-P		0.129	mg/L	7-Jul-16	0.003	0.01	EPA 365.1
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Total-P		0.17	mg/L	19-Jul-16	0.003	0.01	EPA 365.1
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	TS		800	mg/L	16-Jun-16	1	5	SM2540B
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	TS		840	mg/L	22-Jun-16	1	5	SM2540B
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	TS		856	mg/L	29-Jun-16	1	5	SM2540B
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	TS		820	mg/L	6-Jul-16	1	5	SM2540B
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	TS		720	mg/L	13-Jul-16	1	5	SM2540B
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	TSS		1.4	mg/L	16-Jun-16	0.5	1	SM2540D
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	TSS		1.2	mg/L	22-Jun-16	0.5	1	SM2540D
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	TSS		1.1	mg/L	29-Jun-16	0.5	1	SM2540D

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	TSS	j	0.7	mg/L	6-Jul-16	0.5	1	SM2540D
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	TSS	j	0.8	mg/L	13-Jul-16	0.5	1	SM2540D
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Turbidity		1.67	NTU				EPA 180.1
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Turbidity		1.38	NTU				EPA 180.1
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Turbidity		0.92	NTU				EPA 180.1
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Turbidity		1.46	NTU				EPA 180.1
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Turbidity		0.63	NTU				EPA 180.1
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	V	<	2.676	ug/L	22-Jun-16	2.676	10	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	V	<	2.676	ug/L	29-Jun-16	2.676	10	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	V	<	2.676	ug/L	22-Jul-16	2.676	10	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	V	<	2.676	ug/L	22-Jul-16	2.676	10	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	V	<	2.676	ug/L	15-Aug-16	2.676	10	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/15/2016 10:45	R-1606140002	Zn	j	2.872	ug/L	22-Jun-16	0.664	10	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/21/2016 10:18	R-1606170014	Zn	j	3.074	ug/L	29-Jun-16	0.664	10	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	6/28/2016 10:23	R-1606240005	Zn	j	2.284	ug/L	22-Jul-16	0.664	10	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/5/2016 11:05	R-1607010002	Zn	j	3.712	ug/L	22-Jul-16	0.664	10	EPA-200.8
Doan Brook	River Mile 0.75 (EM3)	7/12/2016 11:00	R-1607080005	Zn	j	2.407	ug/L	15-Aug-16	0.664	10	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	*CaCO3		197	mg/LCaCO3	22-Jun-16	1		EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	*CaCO3		214	mg/LCaCO3	29-Jun-16	1		EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	*CaCO3		224	mg/LCaCO3	22-Jul-16	1		EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	*CaCO3		198	mg/LCaCO3	22-Jul-16	1		EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	*CaCO3		193	mg/LCaCO3	15-Aug-16	1		EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Ag	<	0.228	ug/L	22-Jun-16	0.228	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Ag	<	0.228	ug/L	29-Jun-16	0.228	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Ag	<	0.228	ug/L	22-Jul-16	0.228	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Ag	<	0.228	ug/L	22-Jul-16	0.228	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Ag	<	0.228	ug/L	15-Aug-16	0.228	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Al		25.16	ug/L	22-Jun-16	4.282	10	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Al		110.4	ug/L	29-Jun-16	4.282	10	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Al		32.99	ug/L	22-Jul-16	4.282	10	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Al		42.78	ug/L	22-Jul-16	4.282	10	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Al		27.11	ug/L	15-Aug-16	4.282	10	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Alkalinity		107.7	mg/LCaCO3	16-Jun-16	4.3	10	EPA-310.2
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Alkalinity		102.7	mg/LCaCO3	22-Jun-16	4.3	10	EPA-310.2
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Alkalinity		108.8	mg/LCaCO3	30-Jun-16	4.3	10	EPA-310.2
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Alkalinity		93.4	mg/LCaCO3	7-Jul-16	4.3	10	EPA-310.2
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Alkalinity		103.6	mg/LCaCO3	13-Jul-16	4.3	10	EPA-310.2
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	As	<	2	ug/L	22-Jun-16	2	4	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	As	<	2	ug/L	29-Jun-16	2	4	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	As	<	2	ug/L	22-Jul-16	2	4	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	As	<	2	ug/L	22-Jul-16	2	4	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	As	<	2	ug/L	15-Aug-16	2	4	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Ba		26.3	ug/L	22-Jun-16	0.218	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Ba		36.1	ug/L	29-Jun-16	0.218	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Ba		31.15	ug/L	22-Jul-16	0.218	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Ba		28.33	ug/L	22-Jul-16	0.218	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Ba		27.97	ug/L	15-Aug-16	0.218	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Be	<	0.218	ug/L	22-Jun-16	0.218	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Be	<	0.218	ug/L	29-Jun-16	0.218	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Be	<	0.218	ug/L	22-Jul-16	0.218	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Be	<	0.218	ug/L	22-Jul-16	0.218	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Be	<	0.218	ug/L	15-Aug-16	0.218	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	BOD	<	2	mg/L	16-Jun-16	2		SM 5210
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	BOD	<	2	mg/L	22-Jun-15	2		SM 5210
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	BOD	AE		mg/L	28-Jun-16	2		SM 5210
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	BOD	<	2	mg/L	5-Jul-16	2		SM 5210
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	BOD	AE		mg/L	13-Jul-16	2		SM 5210
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Ca		55680	ug/L	22-Jun-16	55.83	250	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Ca		60430	ug/L	29-Jun-16	55.83	250	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Ca		61200	ug/L	22-Jul-16	55.83	250	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Ca		54890	ug/L	22-Jul-16	55.83	250	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Ca		56380	ug/L	15-Aug-16	55.83	250	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Cd	<	0.11	ug/L	22-Jun-16	0.11	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Cd	<	0.11	ug/L	29-Jun-16	0.11	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Cd	<	0.11	ug/L	22-Jul-16	0.11	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Cd	<	0.11	ug/L	22-Jul-16	0.11	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Cd	<	0.11	ug/L	15-Aug-16	0.11	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Chloride		197.1	mg/L	24-Jun-16	2	5	EPA 300.0
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Chloride		283.5	mg/L	30-Jun-16	4	10	EPA 300.0
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Chloride		223.4	mg/L	30-Jun-16	4	10	EPA 300.0
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Chloride		224.1	mg/L	8-Jul-16	4	10	EPA 300.0
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Chloride		198.3	mg/L	13-Jul-16	2	5	EPA 300.0
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Co	j	0.28	ug/L	22-Jun-16	0.102	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Co	j	0.372	ug/L	29-Jun-16	0.102	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Co	j	0.262	ug/L	22-Jul-16	0.102	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Co	j	0.257	ug/L	22-Jul-16	0.102	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Co	j	0.238	ug/L	15-Aug-16	0.102	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	COD		44.4	mg/L	21-Jun-16	2.1	10	EPA 410.4
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	COD		18.7	mg/L	23-Jun-16	2.1	10	EPA 410.4
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	COD	j	2.8	mg/L	1-Jul-16	2.1	10	EPA 410.4
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	COD		17.4	mg/L	8-Jul-16	2.1	10	EPA 410.4
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	COD	<	2.1	mg/L	13-Jul-16	2.1	10	EPA 410.4
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Conduct	HT	1025	uS/cm	18-Jul-16	0.168	0.838	SM 2510B
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Conduct		1303	uS/cm	18-Jul-16	0.168	0.838	SM 2510B
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Conduct		1093	uS/cm	18-Jul-16	0.168	0.838	SM 2510B
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Conduct		1075	uS/cm	18-Jul-16	0.168	0.838	SM 2510B
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Conduct		1025	uS/cm	19-Jul-16	0.168	0.838	SM 2510B
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Cr	j	0.52	ug/L	22-Jun-16	0.168	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Cr		1.01	ug/L	29-Jun-16	0.168	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Cr	j	0.879	ug/L	22-Jul-16	0.168	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Cr		1.176	ug/L	22-Jul-16	0.168	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Cr	<	0.168	ug/L	15-Aug-16	0.168	2	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Cu		2.758	ug/L	28-Jun-16	0.966	2	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Cu		3.723	ug/L	21-Jul-16	0.704	2	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Cu		2.541	ug/L	22-Jul-16	0.704	2	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Cu		3.088	ug/L	22-Jul-16	0.704	2	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Cu		2.407	ug/L	15-Aug-16	0.704	2	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	DRPhos		0.011	mg/L	16-Jun-16	0.005	0.01	EPA 365.1
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	DRPhos		0.023	mg/L	22-Jun-16	0.005	0.01	EPA 365.1

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	DRPhos		0.012	mg/L	28-Jun-16	0.005	0.01	EPA 365.1
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	DRPhos		0.02	mg/L	6-Jul-16	0.005	0.01	EPA 365.1
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	DRPhos		0.012	mg/L	12-Jul-16	0.005	0.01	EPA 365.1
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	E. coli		275	MPN/100 mL	15-Jun-16	1		SM 9223 Colilert
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	E. coli		9300	MPN/100 mL	21-Jun-16	1		SM 9223 Colilert
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	E. coli		317	MPN/100 mL	28-Jun-16	1		SM 9223 Colilert
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	E. coli		317	MPN/100 mL	28-Jun-16	1		
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	E. coli		2889	MPN/100 mL	5-Jul-16	1		SM 9223 Colilert
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	E. coli		176	MPN/100 mL	12-Jul-16	1		SM 9223 Colilert
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Fe		166	ug/L	22-Jun-16	4.016	10	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Fe		276.6	ug/L	29-Jun-16	4.016	10	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Fe		179	ug/L	22-Jul-16	4.016	10	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Fe		209.5	ug/L	22-Jul-16	4.016	10	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Fe		225	ug/L	15-Aug-16	4.016	10	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Field Cond		1003	umhos/cm				SM 2510A
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Field Cond		1003	umhos/cm				SM 2510B
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Field Cond		885	umhos/cm				SM 2510A
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Field Cond		885	umhos/cm				SM 2510B
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Field Cond		1187	umhos/cm				SM 2510A
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Field Cond		1187	umhos/cm				SM 2510B
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Field Cond		1287	umhos/cm				SM 2510A
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Field Cond		1287	umhos/cm				SM 2510B
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Field Cond		1035	umhos/cm				SM 2510A
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Field Cond		1035	umhos/cm				SM 2510B
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Field Cond		1091	umhos/cm				SM 2510A
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Field Cond		1091	umhos/cm				SM 2510B
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Field Cond		1058	umhos/cm				SM 2510A
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Field Cond		1058	umhos/cm				SM 2510B
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Field Cond		963.8	umhos/cm				SM 2510A
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Field Cond		963.8	umhos/cm				SM 2510B
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Field Cond		952	umhos/cm				SM 2510A
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Field Cond		952	umhos/cm				SM 2510B
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Field Cond		994	umhos/cm				SM 2510A
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Field Cond		994	umhos/cm				SM 2510B
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Field DO		101.8	%				SM 4500-0 G
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Field DO		101.8	%				
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Field DO		9.59	mg/L				SM 4500-0 G
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Field DO		9.59	mg/L				
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Field DO		7.71	mg/L				SM 4500-0 G
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Field DO		7.71	mg/L				
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Field DO		86.7	%				SM 4500-0 G

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Field DO		86.7	%				
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Field DO		7.82	mg/L				SM 4500-0 G
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Field DO		7.82	mg/L				
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Field DO		90.1	%				SM 4500-0 G
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Field DO		90.1	%				
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Field DO		8.35	mg/L				SM 4500-0 G
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Field DO		8.35	mg/L				
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Field DO		92.7	%				SM 4500-0 G
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Field DO		92.7	%				
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Field DO		8.1	mg/L				SM 4500-0 G
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Field DO		8.1	mg/L				
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Field DO		94.2	%				SM 4500-0 G
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Field DO		94.2	%				
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Field Temp		18.9	C				EPA 170.1
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Field Temp		20.9	C				EPA 170.1
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Field Temp		22.3	C				EPA 170.1
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Field Temp		20.3	C				EPA 170.1
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Field Temp		22.8	C				EPA 170.1
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Hg	<	0.005	ug/L	20-Jun-16	0.005	0.05	EPA 245.1
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Hg	<	0.005	ug/L	28-Jun-16	0.005	0.05	EPA 245.1
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Hg	<	0.005	ug/L	7-Jul-16	0.005	0.05	EPA 245.1
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Hg	<	0.005	ug/L	7-Jul-16	0.005	0.05	EPA 245.1
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Hg	<	0.005	ug/L	19-Jul-16	0.005	0.05	EPA 245.1
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	K		3474	ug/L	22-Jun-16	162.4	500	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	K		4206	ug/L	29-Jun-16	162.4	500	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	K		4069	ug/L	22-Jul-16	162.4	500	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	K		3582	ug/L	22-Jul-16	162.4	500	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	K		3608	ug/L	15-Aug-16	162.4	1000	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Mg		14100	ug/L	22-Jun-16	23.49	250	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Mg		15230	ug/L	29-Jun-16	23.49	250	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Mg		17270	ug/L	22-Jul-16	23.49	250	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Mg		14750	ug/L	22-Jul-16	23.49	250	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Mg		12590	ug/L	15-Aug-16	23.49	250	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Mn		21.1	ug/L	22-Jun-16	0.164	2	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Mn		25.6	ug/L	29-Jun-16	0.164	2	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Mn		20.12	ug/L	22-Jul-16	0.164	2	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Mn		20.22	ug/L	22-Jul-16	0.164	2	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Mn		15.82	ug/L	15-Aug-16	0.164	2	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Mo		3.322	ug/L	22-Jun-16	0.18	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Mo		4.02	ug/L	29-Jun-16	0.18	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Mo		9.146	ug/L	22-Jul-16	0.18	1	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Mo		4.513	ug/L	22-Jul-16	0.18	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Mo		5.462	ug/L	15-Aug-16	0.18	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Na		113000	ug/L	22-Jun-16	169	500	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Na		171300	ug/L	29-Jun-16	169	500	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Na		142500	ug/L	22-Jul-16	169	500	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Na		139500	ug/L	22-Jul-16	169	500	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Na		125700	ug/L	15-Aug-16	169	500	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	NH3	<	0.009	mg/L	16-Jun-16	0.009	0.02	EPA-350.1
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	NH3	j	0.011	mg/L	22-Jun-16	0.009	0.02	EPA-350.1
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	NH3	j	0.009	mg/L	29-Jun-16	0.009	0.02	EPA-350.1
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	NH3	<	0.009	mg/L	6-Jul-16	0.009	0.02	EPA-350.1
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	NH3	<	0.009	mg/L	13-Jul-16	0.009	0.02	EPA-350.1
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Ni	j	2.122	ug/L	22-Jun-16	0.414	4	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Ni	j	2.647	ug/L	29-Jun-16	0.414	4	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Ni	j	2.632	ug/L	22-Jul-16	0.414	4	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Ni	j	2.349	ug/L	22-Jul-16	0.414	4	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Ni	j	2.477	ug/L	15-Aug-16	0.414	4	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	NO2	<	0.008	mg/L	16-Jun-16	0.008	0.02	EPA 300.0
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	NO2	<	0.008	mg/L	16-Jun-16	0.008	0.02	SM 4500-NO2-B
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	NO2	j	0.009	mg/L	22-Jun-16	0.008	0.02	EPA 300.0
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	NO2	j	0.009	mg/L	22-Jun-16	0.008	0.02	SM 4500-NO2-B
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	NO2	<	0.008	mg/L	29-Jun-16	0.008	0.02	EPA 300.0
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	NO2	<	0.008	mg/L	29-Jun-16	0.008	0.02	SM 4500-NO2-B
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	NO2	<	0.008	mg/L	6-Jul-16	0.008	0.02	EPA 300.0
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	NO2	<	0.008	mg/L	6-Jul-16	0.008	0.02	SM 4500-NO2-B
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	NO2	<	0.008	mg/L	13-Jul-16	0.008	0.02	EPA 300.0
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	NO2	<	0.008	mg/L	13-Jul-16	0.008	0.02	SM 4500-NO2-B
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	NO3		0.304	mg/L	16-Jun-16	0.007	0.02	EPA 300.0
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	NO3		0.304	mg/L	16-Jun-16	0.007	0.02	EPA 353.2
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	NO3		0.904	mg/L	22-Jun-16	0.007	0.02	EPA 300.0
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	NO3		0.904	mg/L	22-Jun-16	0.007	0.02	EPA 353.2
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	NO3		0.204	mg/L	29-Jun-16	0.007	0.02	EPA 300.0
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	NO3		0.204	mg/L	29-Jun-16	0.007	0.02	EPA 353.2
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	NO3		0.406	mg/L	6-Jul-16	0.007	0.02	EPA 300.0
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	NO3		0.406	mg/L	6-Jul-16	0.007	0.02	EPA 353.2
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	NO3		0.073	mg/L	13-Jul-16	0.007	0.02	EPA 300.0
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	NO3		0.073	mg/L	13-Jul-16	0.007	0.02	EPA 353.2
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	NO3+NO2		0.304	mg/L	16-Jun-16	0.007	0.02	EPA 353.2
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	NO3+NO2		0.912	mg/L	22-Jun-16	0.007	0.02	EPA 353.2
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	NO3+NO2		0.204	mg/L	29-Jun-16	0.007	0.02	EPA 353.2
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	NO3+NO2		0.406	mg/L	6-Jul-16	0.007	0.02	EPA 353.2

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	NO3+NO2		0.073	mg/L	13-Jul-16	0.007	0.02	EPA 353.2
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Pb	j	0.406	ug/L	22-Jun-16	0.11	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Pb		2.068	ug/L	29-Jun-16	0.11	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Pb	j	0.292	ug/L	22-Jul-16	0.11	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Pb	j	0.832	ug/L	22-Jul-16	0.11	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Pb	j	0.207	ug/L	15-Aug-16	0.11	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	pH		8.07	S.U.				EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	pH		8.07	S.U.				
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	pH		7.83	S.U.				EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	pH		7.83	S.U.				
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	pH		7.87	S.U.				EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	pH		7.87	S.U.				
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	pH		7.98	S.U.				EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	pH		7.98	S.U.				
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	pH		7.96	S.U.				EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	pH		7.96	S.U.				
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Sb	j	0.4	ug/L	22-Jun-16	0.236	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Sb	j	0.547	ug/L	29-Jun-16	0.236	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Sb	j	0.471	ug/L	22-Jul-16	0.236	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Sb	j	0.644	ug/L	22-Jul-16	0.236	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Sb	j	0.423	ug/L	15-Aug-16	0.236	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Se	<	1.034	ug/L	22-Jun-16	1.034	5	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Se	<	1.034	ug/L	29-Jun-16	1.034	5	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Se	<	1.034	ug/L	22-Jul-16	1.034	5	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Se	<	1.034	ug/L	22-Jul-16	1.034	5	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Se	<	1.034	ug/L	15-Aug-16	1.034	5	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Sn	<	0.336	ug/L	22-Jun-16	0.336	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Sn	<	0.336	ug/L	29-Jun-16	0.336	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Sn	<	0.336	ug/L	22-Jul-16	0.336	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Sn	<	0.336	ug/L	22-Jul-16	0.336	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Sn	<	0.336	ug/L	15-Aug-16	0.336	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	SO4		62.93	mg/L	24-Jun-16	0.5	5	EPA 300.0
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	SO4		66.2	mg/L	30-Jun-16	0.5	5	EPA 300.0
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	SO4		62.04	mg/L	30-Jun-16	0.5	5	EPA 300.0
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	SO4		51.8	mg/L	8-Jul-16	0.5	5	EPA 300.0
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	SO4		54.57	mg/L	13-Jul-16	0.5	5	EPA 300.0
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Sr		285.924	ug/L	22-Jun-16	0.234	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Sr		322.202	ug/L	29-Jun-16	0.234	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Sr		325.203	ug/L	22-Jul-16	0.234	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Sr		285.976	ug/L	22-Jul-16	0.234	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Sr		281.086	ug/L	15-Aug-16	0.234	1	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	TDS		549	mg/L	16-Jun-16	1	5	SM2540C
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	TDS		714	mg/L	23-Jun-16	1	5	SM2540C
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	TDS		619	mg/L	30-Jun-16	1	5	SM2540C
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	TDS		610	mg/L	7-Jul-16	1	5	SM2540C
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	TDS		560	mg/L	14-Jul-16	1	5	SM2540C
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Ti	<	0.692	ug/L	22-Jun-16	0.692	2	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Ti	j	1.372	ug/L	29-Jun-16	0.692	2	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Ti	j	0.936	ug/L	22-Jul-16	0.692	2	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Ti	j	1.113	ug/L	22-Jul-16	0.692	2	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Ti	j	1.252	ug/L	15-Aug-16	0.692	2	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	TKN		0.556	mg/L	24-Jun-16	0.242	0.5	EPA-351.1
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	TKN		0.921	mg/L	24-Jun-16	0.242	0.5	EPA-351.1
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	TKN	<	0.242	mg/L	1-Jul-16	0.242	0.5	EPA-351.1
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	TKN		0.567	mg/L	11-Jul-16	0.242	0.5	EPA-351.1
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	TKN		0.54	mg/L	20-Jul-16	0.242	0.5	EPA-351.1
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Tl	<	0.236	ug/L	22-Jun-16	0.236	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Tl	<	0.236	ug/L	29-Jun-16	0.236	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Tl	<	0.236	ug/L	22-Jul-16	0.236	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Tl	<	0.236	ug/L	22-Jul-16	0.236	1	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Tl	<	0.236	ug/L	15-Aug-16	0.236	1	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	TMET	<	10	ug/L	28-Jun-16	10		EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	TMET		14.7	ug/L	21-Jul-16	10		EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	TMET		13.2	ug/L	22-Jul-16	10		EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	TMET		13.9	ug/L	22-Jul-16	10		EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	TMET	<	10	ug/L	15-Aug-16	10		EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Total-P		0.026	mg/L	17-Jun-16	0.003	0.01	EPA 365.1
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Total-P		0.054	mg/L	28-Jun-16	0.003	0.01	EPA 365.1
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Total-P		0.026	mg/L	1-Jul-16	0.003	0.01	EPA 365.1
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Total-P		0.043	mg/L	7-Jul-16	0.003	0.01	EPA 365.1
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Total-P		0.025	mg/L	19-Jul-16	0.003	0.01	EPA 365.1
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	TS		628	mg/L	16-Jun-16	1	5	SM2540B
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	TS		812	mg/L	22-Jun-16	1	5	SM2540B
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	TS		668	mg/L	29-Jun-16	1	5	SM2540B
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	TS		628	mg/L	6-Jul-16	1	5	SM2540B
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	TS		664	mg/L	13-Jul-16	1	5	SM2540B
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	TSS		1.2	mg/L	16-Jun-16	0.5	1	SM2540D
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	TSS		9.7	mg/L	22-Jun-16	0.5	1	SM2540D
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	TSS		2.1	mg/L	29-Jun-16	0.5	1	SM2540D
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	TSS		5.6	mg/L	6-Jul-16	0.5	1	SM2540D
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	TSS		1.3	mg/L	13-Jul-16	0.5	1	SM2540D
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Turbidity		1.22	NTU				EPA 180.1

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Turbidity		7.82	NTU				EPA 180.1
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Turbidity		1.46	NTU				EPA 180.1
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Turbidity		3.24	NTU				EPA 180.1
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Turbidity		1.33	NTU				EPA 180.1
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	V	<	2.676	ug/L	22-Jun-16	2.676	10	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	V	<	2.676	ug/L	29-Jun-16	2.676	10	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	V	<	2.676	ug/L	22-Jul-16	2.676	10	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	V	<	2.676	ug/L	22-Jul-16	2.676	10	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	V	<	2.676	ug/L	15-Aug-16	2.676	10	EPA-200.8
Euclid Creek	River Mile 1.65	6/15/2016 10:25	R-1606140010	Zn	j	2.413	ug/L	22-Jun-16	0.664	10	EPA-200.8
Euclid Creek	River Mile 1.65	6/21/2016 9:50	R-1606170013	Zn	j	7.293	ug/L	29-Jun-16	0.664	10	EPA-200.8
Euclid Creek	River Mile 1.65	6/28/2016 9:55	R-1606240009	Zn	j	1.91	ug/L	22-Jul-16	0.664	10	EPA-200.8
Euclid Creek	River Mile 1.65	7/5/2016 10:25	R-1607010006	Zn	j	5.774	ug/L	22-Jul-16	0.664	10	EPA-200.8
Euclid Creek	River Mile 1.65	7/12/2016 10:12	R-1607080004	Zn	j	1.645	ug/L	15-Aug-16	0.664	10	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	*CaCO3		208	mg/LCaCO3	22-Jun-16	1		EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	*CaCO3		176	mg/LCaCO3	29-Jun-16	1		EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	*CaCO3		223	mg/LCaCO3	22-Jul-16	1		EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	*CaCO3		194	mg/LCaCO3	22-Jul-16	1		EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	*CaCO3		207	mg/LCaCO3	15-Aug-16	1		EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Ag	<	0.228	ug/L	22-Jun-16	0.228	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Ag	<	0.228	ug/L	29-Jun-16	0.228	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Ag	<	0.228	ug/L	22-Jul-16	0.228	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Ag	<	0.228	ug/L	22-Jul-16	0.228	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Ag	<	0.228	ug/L	15-Aug-16	0.228	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Al		26.92	ug/L	22-Jun-16	4.282	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Al		99.96	ug/L	29-Jun-16	4.282	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Al		36.56	ug/L	22-Jul-16	4.282	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Al		40.61	ug/L	22-Jul-16	4.282	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Al		31.69	ug/L	15-Aug-16	4.282	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Alkalinity		110.4	mg/LCaCO3	16-Jun-16	4.3	10	EPA-310.2
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Alkalinity		100.2	mg/LCaCO3	22-Jun-16	4.3	10	EPA-310.2
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Alkalinity		116.6	mg/LCaCO3	30-Jun-16	4.3	10	EPA-310.2
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Alkalinity		93.8	mg/LCaCO3	7-Jul-16	4.3	10	EPA-310.2
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Alkalinity		107.2	mg/LCaCO3	13-Jul-16	4.3	10	EPA-310.2
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	As	<	2	ug/L	22-Jun-16	2	4	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	As	<	2	ug/L	29-Jun-16	2	4	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	As	<	2	ug/L	22-Jul-16	2	4	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	As	<	2	ug/L	22-Jul-16	2	4	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	As	<	2	ug/L	15-Aug-16	2	4	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Ba		29.64	ug/L	22-Jun-16	0.218	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Ba		29.58	ug/L	29-Jun-16	0.218	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Ba		32.99	ug/L	22-Jul-16	0.218	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Ba		28.18	ug/L	22-Jul-16	0.218	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Ba		30.6	ug/L	15-Aug-16	0.218	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Be	<	0.218	ug/L	22-Jun-16	0.218	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Be	<	0.218	ug/L	29-Jun-16	0.218	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Be	<	0.218	ug/L	22-Jul-16	0.218	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Be	<	0.218	ug/L	22-Jul-16	0.218	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Be	<	0.218	ug/L	15-Aug-16	0.218	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	BOD	AE		mg/L	16-Jun-16	2		SM 5210
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	BOD	<	2	mg/L	22-Jun-15	2		SM 5210
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	BOD		2.2	mg/L	29-Jun-16	2		SM 5210
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	BOD	<	2	mg/L	5-Jul-16	2		SM 5210
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	BOD	AE		mg/L	13-Jul-16	2		SM 5210
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Ca		58860	ug/L	22-Jun-16	55.83	250	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Ca		49890	ug/L	29-Jun-16	55.83	250	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Ca		60750	ug/L	22-Jul-16	55.83	250	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Ca		54000	ug/L	22-Jul-16	55.83	250	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Ca		59670	ug/L	15-Aug-16	55.83	250	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Cd	<	0.11	ug/L	22-Jun-16	0.11	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Cd	<	0.11	ug/L	29-Jun-16	0.11	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Cd	<	0.11	ug/L	22-Jul-16	0.11	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Cd	<	0.11	ug/L	22-Jul-16	0.11	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Cd	<	0.11	ug/L	15-Aug-16	0.11	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Chloride		221	mg/L	24-Jun-16	4	10	EPA 300.0
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Chloride		166	mg/L	24-Jun-16	2	5	EPA 300.0
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Chloride		237.8	mg/L	30-Jun-16	4	10	EPA 300.0
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Chloride		237.8	mg/L	30-Jun-16	4	10	
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Chloride		216.8	mg/L	8-Jul-16	4	10	EPA 300.0
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Chloride		212.9	mg/L	13-Jul-16	4	10	EPA 300.0
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Co	j	0.224	ug/L	22-Jun-16	0.102	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Co	j	0.295	ug/L	29-Jun-16	0.102	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Co	j	0.213	ug/L	22-Jul-16	0.102	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Co	j	0.226	ug/L	22-Jul-16	0.102	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Co	j	0.242	ug/L	15-Aug-16	0.102	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	COD	j	6.8	mg/L	21-Jun-16	2.1	10	EPA 410.4
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	COD		15.8	mg/L	23-Jun-16	2.1	10	EPA 410.4
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	COD		14.6	mg/L	29-Jun-16	2.1	10	EPA 410.4
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	COD		20.7	mg/L	8-Jul-16	2.1	10	EPA 410.4
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	COD	j	8.7	mg/L	13-Jul-16	2.1	10	EPA 410.4
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Conduct	HT	1113	uS/cm	18-Jul-16	0.168	0.838	SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Conduct		894.3	uS/cm	18-Jul-16	0.168	0.838	SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Conduct		1159	uS/cm	18-Jul-16	0.168	0.838	SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Conduct		1045	uS/cm	18-Jul-16	0.168	0.838	SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Conduct		1082	uS/cm	19-Jul-16	0.168	0.838	SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Cr	j	0.534	ug/L	22-Jun-16	0.168	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Cr	j	0.928	ug/L	29-Jun-16	0.168	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Cr	j	0.842	ug/L	22-Jul-16	0.168	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Cr		1.176	ug/L	22-Jul-16	0.168	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Cr	<	0.168	ug/L	15-Aug-16	0.168	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Cu		2.597	ug/L	28-Jun-16	0.966	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Cu		3.587	ug/L	21-Jul-16	0.704	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Cu		2.249	ug/L	22-Jul-16	0.704	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Cu		3.019	ug/L	22-Jul-16	0.704	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Cu		2.431	ug/L	15-Aug-16	0.704	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	DRPhos		0.01	mg/L	16-Jun-16	0.005	0.01	EPA 365.1

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	DRPhos		0.02	mg/L	22-Jun-16	0.005	0.01	EPA 365.1
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	DRPhos		0.012	mg/L	28-Jun-16	0.005	0.01	EPA 365.1
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	DRPhos		0.018	mg/L	6-Jul-16	0.005	0.01	EPA 365.1
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	DRPhos		0.015	mg/L	12-Jul-16	0.005	0.01	EPA 365.1
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	E. coli		652	MPN/100 mL	15-Jun-16	1		SM 9223 Colilert
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	E. coli		16275	MPN/100 mL	21-Jun-16	1		SM 9223 Colilert
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	E. coli		628	MPN/100 mL	28-Jun-16	1		SM 9223 Colilert
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	E. coli		4228	MPN/100 mL	5-Jul-16	1		SM 9223 Colilert
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	E. coli		556	MPN/100 mL	12-Jul-16	1		SM 9223 Colilert
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Fe		212	ug/L	22-Jun-16	4.016	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Fe		259.8	ug/L	29-Jun-16	4.016	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Fe		205.3	ug/L	22-Jul-16	4.016	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Fe		215	ug/L	22-Jul-16	4.016	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Fe		289.2	ug/L	15-Aug-16	4.016	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Field Cond		1088	umhos/cm				SM 2510A
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Field Cond		1088	umhos/cm				SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Field Cond		978	umhos/cm				SM 2510A
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Field Cond		978	umhos/cm				SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Field Cond		823.3	umhos/cm				SM 2510A
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Field Cond		823.3	umhos/cm				SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Field Cond		885.3	umhos/cm				SM 2510A
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Field Cond		885.3	umhos/cm				SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Field Cond		1104	umhos/cm				SM 2510A
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Field Cond		1104	umhos/cm				SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Field Cond		1153	umhos/cm				SM 2510A
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Field Cond		1153	umhos/cm				SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Field Cond		1040	umhos/cm				SM 2510A
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Field Cond		1040	umhos/cm				SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Field Cond		950.2	umhos/cm				SM 2510A
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Field Cond		950.2	umhos/cm				SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Field Cond		865	umhos/cm				SM 2510A
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Field Cond		865	umhos/cm				SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Field Cond		884	umhos/cm				SM 2510A
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Field Cond		884	umhos/cm				SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Field DO		8.7	mg/L				SM 4500-0 G
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Field DO		8.7	mg/L				
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Field DO		88.6	%				SM 4500-0 G
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Field DO		88.6	%				
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Field DO		7.9	mg/L				SM 4500-0 G
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Field DO		7.9	mg/L				
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Field DO		89.4	%				SM 4500-0 G

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Field DO		89.4	%				
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Field DO		7.27	mg/L				SM 4500-0 G
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Field DO		7.27	mg/L				
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Field DO		84.6	%				SM 4500-0 G
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Field DO		84.6	%				
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Field DO		8.38	mg/L				SM 4500-0 G
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Field DO		8.38	mg/L				
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Field DO		93.4	%				SM 4500-0 G
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Field DO		93.4	%				
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Field DO		7.91	mg/L				SM 4500-0 G
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Field DO		7.91	mg/L				
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Field DO		95.3	%				SM 4500-0 G
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Field DO		95.3	%				
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Field Temp		19.7	C				EPA 170.1
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Field Temp		21.3	C				EPA 170.1
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Field Temp		22.8	C				EPA 170.1
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Field Temp		20.5	C				EPA 170.1
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Field Temp		23.9	C				EPA 170.1
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Hg	<	0.005	ug/L	20-Jun-16	0.005	0.05	EPA 245.1
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Hg	<	0.005	ug/L	28-Jun-16	0.005	0.05	EPA 245.1
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Hg	<	0.005	ug/L	7-Jul-16	0.005	0.05	EPA 245.1
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Hg	<	0.005	ug/L	7-Jul-16	0.005	0.05	EPA 245.1
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Hg	<	0.005	ug/L	19-Jul-16	0.005	0.05	EPA 245.1
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	K		3757	ug/L	22-Jun-16	162.4	500	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	K		3551	ug/L	29-Jun-16	162.4	500	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	K		4148	ug/L	22-Jul-16	162.4	500	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	K		3581	ug/L	22-Jul-16	162.4	500	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	K		3924	ug/L	15-Aug-16	162.4	1000	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Mg		14900	ug/L	22-Jun-16	23.49	250	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Mg		12470	ug/L	29-Jun-16	23.49	250	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Mg		17400	ug/L	22-Jul-16	23.49	250	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Mg		14410	ug/L	22-Jul-16	23.49	250	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Mg		14200	ug/L	15-Aug-16	23.49	250	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Mn		33.11	ug/L	22-Jun-16	0.164	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Mn		33.3	ug/L	29-Jun-16	0.164	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Mn		38.06	ug/L	22-Jul-16	0.164	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Mn		23.86	ug/L	22-Jul-16	0.164	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Mn		32.06	ug/L	15-Aug-16	0.164	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Mo		3.525	ug/L	22-Jun-16	0.18	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Mo		5.257	ug/L	29-Jun-16	0.18	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Mo		9.595	ug/L	22-Jul-16	0.18	1	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Mo		4.863	ug/L	22-Jul-16	0.18	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Mo		6.216	ug/L	15-Aug-16	0.18	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Na		128900	ug/L	22-Jun-16	169	500	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Na		105500	ug/L	29-Jun-16	169	500	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Na		150100	ug/L	22-Jul-16	169	500	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Na		133500	ug/L	22-Jul-16	169	500	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Na		135200	ug/L	15-Aug-16	169	500	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	NH3	<	0.009	mg/L	16-Jun-16	0.009	0.02	EPA-350.1
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	NH3		0.023	mg/L	22-Jun-16	0.009	0.02	EPA-350.1
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	NH3	j	0.012	mg/L	29-Jun-16	0.009	0.02	EPA-350.1
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	NH3	j	0.017	mg/L	6-Jul-16	0.009	0.02	EPA-350.1
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	NH3	j	0.012	mg/L	13-Jul-16	0.009	0.02	EPA-350.1
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Ni	j	2.183	ug/L	22-Jun-16	0.414	4	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Ni	j	2.128	ug/L	29-Jun-16	0.414	4	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Ni	j	2.651	ug/L	22-Jul-16	0.414	4	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Ni	j	2.29	ug/L	22-Jul-16	0.414	4	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Ni	j	2.598	ug/L	15-Aug-16	0.414	4	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	NO2	<	0.008	mg/L	16-Jun-16	0.008	0.02	EPA 300.0
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	NO2	<	0.008	mg/L	16-Jun-16	0.008	0.02	SM 4500-NO2-B
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	NO2	j	0.012	mg/L	22-Jun-16	0.008	0.02	EPA 300.0
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	NO2	j	0.012	mg/L	22-Jun-16	0.008	0.02	SM 4500-NO2-B
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	NO2	<	0.008	mg/L	29-Jun-16	0.008	0.02	EPA 300.0
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	NO2	<	0.008	mg/L	29-Jun-16	0.008	0.02	SM 4500-NO2-B
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	NO2	<	0.008	mg/L	29-Jun-16	0.008	0.02	
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	NO2	<	0.008	mg/L	6-Jul-16	0.008	0.02	EPA 300.0
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	NO2	<	0.008	mg/L	6-Jul-16	0.008	0.02	SM 4500-NO2-B
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	NO2	<	0.008	mg/L	13-Jul-16	0.008	0.02	EPA 300.0
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	NO2	<	0.008	mg/L	13-Jul-16	0.008	0.02	SM 4500-NO2-B
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	NO3		0.17	mg/L	16-Jun-16	0.007	0.02	EPA 300.0
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	NO3		0.17	mg/L	16-Jun-16	0.007	0.02	EPA 353.2
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	NO3		0.662	mg/L	22-Jun-16	0.007	0.02	EPA 300.0
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	NO3		0.662	mg/L	22-Jun-16	0.007	0.02	EPA 353.2
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	NO3		0.111	mg/L	29-Jun-16	0.007	0.02	EPA 300.0
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	NO3		0.111	mg/L	29-Jun-16	0.007	0.02	EPA 353.2
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	NO3		0.111	mg/L	29-Jun-16	0.007	0.02	
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	NO3		0.388	mg/L	6-Jul-16	0.007	0.02	EPA 300.0
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	NO3		0.388	mg/L	6-Jul-16	0.007	0.02	EPA 353.2
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	NO3		0.052	mg/L	13-Jul-16	0.007	0.02	EPA 300.0
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	NO3		0.052	mg/L	13-Jul-16	0.007	0.02	EPA 353.2
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	NO3+NO2		0.17	mg/L	16-Jun-16	0.007	0.02	EPA 353.2
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	NO3+NO2		0.675	mg/L	22-Jun-16	0.007	0.02	EPA 353.2

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	NO3+NO2		0.111	mg/L	29-Jun-16	0.007	0.02	EPA 353.2
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	NO3+NO2		0.388	mg/L	6-Jul-16	0.007	0.02	EPA 353.2
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	NO3+NO2		0.052	mg/L	13-Jul-16	0.007	0.02	EPA 353.2
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Pb	j	0.314	ug/L	22-Jun-16	0.11	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Pb		1.785	ug/L	29-Jun-16	0.11	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Pb	j	0.313	ug/L	22-Jul-16	0.11	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Pb	j	0.635	ug/L	22-Jul-16	0.11	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Pb	j	0.281	ug/L	15-Aug-16	0.11	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	pH		7.87	S.U.				EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	pH		7.87	S.U.				
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	pH		7.74	S.U.				EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	pH		7.74	S.U.				
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	pH		7.76	S.U.				EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	pH		7.76	S.U.				
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	pH		7.98	S.U.				EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	pH		7.98	S.U.				
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	pH		7.92	S.U.				EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	pH		7.92	S.U.				
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Sb	j	0.474	ug/L	22-Jun-16	0.236	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Sb	j	0.615	ug/L	29-Jun-16	0.236	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Sb	j	0.537	ug/L	22-Jul-16	0.236	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Sb	j	0.722	ug/L	22-Jul-16	0.236	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Sb	j	0.504	ug/L	15-Aug-16	0.236	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Se	<	1.034	ug/L	22-Jun-16	1.034	5	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Se	<	1.034	ug/L	29-Jun-16	1.034	5	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Se	<	1.034	ug/L	22-Jul-16	1.034	5	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Se	<	1.034	ug/L	22-Jul-16	1.034	5	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Se	<	1.034	ug/L	15-Aug-16	1.034	5	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Sn	<	0.336	ug/L	22-Jun-16	0.336	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Sn	<	0.336	ug/L	29-Jun-16	0.336	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Sn	<	0.336	ug/L	22-Jul-16	0.336	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Sn	<	0.336	ug/L	22-Jul-16	0.336	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Sn	<	0.336	ug/L	15-Aug-16	0.336	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	SO4		67.41	mg/L	17-Jun-16	0.5	5	EPA 300.0
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	SO4		56.52	mg/L	24-Jun-16	0.5	5	EPA 300.0
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	SO4		65.24	mg/L	30-Jun-16	0.5	5	EPA 300.0
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	SO4		65.24	mg/L	30-Jun-16	0.5	5	
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	SO4		52.03	mg/L	8-Jul-16	0.5	5	EPA 300.0
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	SO4		58.52	mg/L	13-Jul-16	0.5	5	EPA 300.0
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Sr		311.408	ug/L	22-Jun-16	0.234	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Sr		261.749	ug/L	29-Jun-16	0.234	1	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Sr		332.977	ug/L	22-Jul-16	0.234	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Sr		284.277	ug/L	22-Jul-16	0.234	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Sr		306.646	ug/L	15-Aug-16	0.234	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	TDS		614	mg/L	16-Jun-16	1	5	SM2540C
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	TDS		500	mg/L	23-Jun-16	1	5	SM2540C
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	TDS		654	mg/L	30-Jun-16	1	5	SM2540C
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	TDS		590	mg/L	7-Jul-16	1	5	SM2540C
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	TDS		582	mg/L	14-Jul-16	1	5	SM2540C
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Ti	<	0.692	ug/L	22-Jun-16	0.692	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Ti	j	1.606	ug/L	29-Jun-16	0.692	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Ti	j	0.978	ug/L	22-Jul-16	0.692	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Ti	j	1.061	ug/L	22-Jul-16	0.692	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Ti	j	1.126	ug/L	15-Aug-16	0.692	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	TKN		0.543	mg/L	24-Jun-16	0.242	0.5	EPA-351.1
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	TKN		0.823	mg/L	24-Jun-16	0.242	0.5	EPA-351.1
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	TKN	j	0.444	mg/L	1-Jul-16	0.242	0.5	EPA-351.1
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	TKN		0.578	mg/L	11-Jul-16	0.242	0.5	EPA-351.1
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	TKN		0.572	mg/L	20-Jul-16	0.242	0.5	EPA-351.1
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Tl	<	0.236	ug/L	22-Jun-16	0.236	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Tl	<	0.236	ug/L	29-Jun-16	0.236	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Tl	<	0.236	ug/L	22-Jul-16	0.236	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Tl	<	0.236	ug/L	22-Jul-16	0.236	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Tl	<	0.236	ug/L	15-Aug-16	0.236	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	TMET	<	10	ug/L	28-Jun-16	10		EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	TMET		15.3	ug/L	21-Jul-16	10		EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	TMET		13.1	ug/L	22-Jul-16	10		EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	TMET		13.5	ug/L	22-Jul-16	10		EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	TMET	<	10	ug/L	15-Aug-16	10		EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Total-P		0.026	mg/L	17-Jun-16	0.003	0.01	EPA 365.1
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Total-P		0.061	mg/L	22-Jun-16	0.003	0.01	EPA 365.1
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Total-P		0.034	mg/L	1-Jul-16	0.003	0.01	EPA 365.1
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Total-P		0.04	mg/L	7-Jul-16	0.003	0.01	EPA 365.1
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Total-P		0.032	mg/L	19-Jul-16	0.003	0.01	EPA 365.1
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	TS		664	mg/L	16-Jun-16	1	5	SM2540B
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	TS		544	mg/L	22-Jun-16	1	5	SM2540B
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	TS		724	mg/L	29-Jun-16	1	5	SM2540B
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	TS		618	mg/L	6-Jul-16	1	5	SM2540B
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	TS		692	mg/L	13-Jul-16	1	5	SM2540B
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	TSS		1.8	mg/L	16-Jun-16	0.5	1	SM2540D
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	TSS		9.2	mg/L	22-Jun-16	0.5	1	SM2540D
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	TSS		3.2	mg/L	29-Jun-16	0.5	1	SM2540D

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	TSS		4.6	mg/L	6-Jul-16	0.5	1	SM2540D
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	TSS		2.5	mg/L	13-Jul-16	0.5	1	SM2540D
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Turbidity		3.11	NTU				EPA 180.1
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Turbidity		8.1	NTU				EPA 180.1
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Turbidity		1.74	NTU				EPA 180.1
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Turbidity		2.86	NTU				EPA 180.1
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Turbidity		1.44	NTU				EPA 180.1
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	V	<	2.676	ug/L	22-Jun-16	2.676	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	V	<	2.676	ug/L	29-Jun-16	2.676	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	V	<	2.676	ug/L	22-Jul-16	2.676	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	V	<	2.676	ug/L	22-Jul-16	2.676	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	V	<	2.676	ug/L	15-Aug-16	2.676	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2016 9:46	R-1606140009	Zn	j	2.597	ug/L	22-Jun-16	0.664	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2016 9:10	R-1606170012	Zn	j	8.707	ug/L	29-Jun-16	0.664	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2016 9:16	R-1606240008	Zn	j	1.907	ug/L	22-Jul-16	0.664	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2016 10:00	R-1607010005	Zn	j	4.626	ug/L	22-Jul-16	0.664	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2016 9:45	R-1607080003	Zn	j	1.888	ug/L	15-Aug-16	0.664	10	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	*CaCO3		157	mg/LCaCO3	15-Aug-16	1		EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	*CaCO3		157	mg/LCaCO3	9-Aug-16	1		EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	*CaCO3		177	mg/LCaCO3	23-Aug-16	1		EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	*CaCO3		177	mg/LCaCO3	17-Aug-16	1		EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	*CaCO3		196	mg/LCaCO3	24-Aug-16	1		EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Ag	<	0.228	ug/L	15-Aug-16	0.228	1	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Ag	<	0.228	ug/L	9-Aug-16	0.228	1	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Ag	<	0.228	ug/L	23-Aug-16	0.228	1	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Ag	<	0.228	ug/L	17-Aug-16	0.228	1	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Ag	<	0.228	ug/L	24-Aug-16	0.228	1	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Al		129.8	ug/L	15-Aug-16	4.282	10	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Al		74.22	ug/L	9-Aug-16	4.282	10	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Al		70.31	ug/L	23-Aug-16	4.282	10	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Al		36.03	ug/L	17-Aug-16	4.282	10	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Al		26.82	ug/L	24-Aug-16	4.282	10	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Alkalinity		91.9	mg/LCaCO3	13-Jul-16	4.3	10	EPA-310.2
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Alkalinity		81	mg/LCaCO3	21-Jul-16	4.3	10	EPA-310.2
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Alkalinity		90.3	mg/LCaCO3	27-Jul-16	4.3	10	EPA-310.2
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Alkalinity		98.8	mg/LCaCO3	4-Aug-16	4.3	10	EPA-310.2
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Alkalinity		89.8	mg/LCaCO3	11-Aug-16	4.3	10	EPA-310.2
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	As	<	2	ug/L	15-Aug-16	2	4	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	As	<	2	ug/L	9-Aug-16	2	4	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	As	<	2	ug/L	23-Aug-16	2	4	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	As	<	2	ug/L	17-Aug-16	2	4	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	As	<	2	ug/L	24-Aug-16	2	4	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Ba		21.14	ug/L	15-Aug-16	0.218	1	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Ba		21.62	ug/L	9-Aug-16	0.218	1	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Ba		24.03	ug/L	23-Aug-16	0.218	1	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Ba		23.03	ug/L	17-Aug-16	0.218	1	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Ba		25.5	ug/L	24-Aug-16	0.218	1	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Be	<	0.218	ug/L	15-Aug-16	0.218	1	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Be	<	0.218	ug/L	9-Aug-16	0.218	1	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Be	<	0.218	ug/L	23-Aug-16	0.218	1	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Be	<	0.218	ug/L	17-Aug-16	0.218	1	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Be	<	0.218	ug/L	24-Aug-16	0.218	1	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	BOD	AE		mg/L	12-Jul-16	2		SM 5210
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	BOD	<	2	mg/L	20-Jul-16	2		SM 5210
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	BOD	<	2	mg/L	27-Jul-16	2		SM 5210
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	BOD	<	2	mg/L	3-Aug-16	2		SM 5210
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	BOD	<	2	mg/L	10-Aug-16	2		SM 5210
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Ca		43750	ug/L	15-Aug-16	55.83	250	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Ca		42700	ug/L	9-Aug-16	55.83	250	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Ca		46880	ug/L	23-Aug-16	55.83	250	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Ca		47900	ug/L	17-Aug-16	55.83	250	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Ca		53620	ug/L	24-Aug-16	55.83	250	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Cd	<	0.11	ug/L	15-Aug-16	0.11	1	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Cd	<	0.11	ug/L	9-Aug-16	0.11	1	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Cd	<	0.11	ug/L	23-Aug-16	0.11	1	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Cd	<	0.11	ug/L	17-Aug-16	0.11	1	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Cd	<	0.11	ug/L	24-Aug-16	0.11	1	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Chloride		79.7	mg/L	13-Jul-16	2	5	EPA 300.0
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Chloride		93.03	mg/L	21-Jul-16	2	5	EPA 300.0
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Chloride		105.4	mg/L	28-Jul-16	2	5	EPA 300.0
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Chloride		105.7	mg/L	11-Aug-16	2	5	EPA 300.0
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Chloride		105.7	mg/L	11-Aug-16	2	5	
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Chloride		113	mg/L	13-Aug-16	2	5	EPA 300.0
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Co	j	0.371	ug/L	15-Aug-16	0.102	1	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Co	j	0.266	ug/L	9-Aug-16	0.102	1	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Co	j	0.265	ug/L	23-Aug-16	0.102	1	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Co	j	0.184	ug/L	17-Aug-16	0.102	1	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Co	j	0.17	ug/L	24-Aug-16	0.102	1	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	COD	j	7.9	mg/L	13-Jul-16	2.1	10	EPA 410.4
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	COD		12.8	mg/L	21-Jul-16	2.1	10	EPA 410.4
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	COD		12.8	mg/L	28-Jul-16	2.1	10	EPA 410.4
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	COD	<	2.1	mg/L	4-Aug-16	2.1	10	EPA 410.4
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	COD		10.1	mg/L	15-Aug-16	2.1	10	EPA 410.4
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Conduct		603.2	uS/cm	19-Jul-16	0.168	0.838	SM 2510B
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Conduct		617.1	uS/cm	8-Aug-16	0.2	1	SM 2510B
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Conduct		699.2	uS/cm	8-Aug-16	0.2	1	SM 2510B
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Conduct		715.5	uS/cm	8-Aug-16	0.2	1	SM 2510B
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Conduct		711.2	uS/cm	19-Aug-16	0.2	1	SM 2510B
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Cr	j	1.777	ug/L	15-Aug-16	0.168	2	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Cr	j	1.604	ug/L	9-Aug-16	0.168	2	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Cr	j	0.85	ug/L	23-Aug-16	0.168	2	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Cr	j	1.861	ug/L	17-Aug-16	0.168	2	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Cr	j	0.87	ug/L	24-Aug-16	0.168	2	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Cu		2.671	ug/L	15-Aug-16	0.704	2	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Cu		2.786	ug/L	9-Aug-16	0.704	2	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Cu		2.812	ug/L	23-Aug-16	0.966	2	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Cu		2.34	ug/L	17-Aug-16	0.966	2	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Cu		2.064	ug/L	24-Aug-16	0.704	2	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	DRPhos		0.208	mg/L	12-Jul-16	0.005	0.01	EPA 365.1

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	DRPhos		0.108	mg/L	19-Jul-16	0.005	0.01	EPA 365.1
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	DRPhos		0.116	mg/L	27-Jul-16	0.005	0.01	EPA 365.1
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	DRPhos		0.075	mg/L	2-Aug-16	0.005	0.01	EPA 365.1
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	DRPhos		0.056	mg/L	10-Aug-16	0.005	0.01	EPA 365.1
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	E. coli		489	MPN/100 mL	12-Jul-16	1		SM 9223 Colilert
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	E. coli		1908	MPN/100 mL	19-Jul-16	1		SM 9223 Colilert
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	E. coli		1178	MPN/100 mL	26-Jul-16	1		SM 9223 Colilert
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	E. coli		228	MPN/100 mL	2-Aug-16	1		SM 9223 Colilert
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	E. coli		192	MPN/100 mL	9-Aug-16	1		SM 9223 Colilert
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Fe		357.7	ug/L	15-Aug-16	4.016	10	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Fe		227.8	ug/L	9-Aug-16	4.016	10	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Fe		201.7	ug/L	23-Aug-16	4.016	10	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Fe		162.9	ug/L	17-Aug-16	4.016	10	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Fe		142.4	ug/L	24-Aug-16	4.016	10	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Field Cond		541.2	umhos/cm				SM 2510A
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Field Cond		541.2	umhos/cm				SM 2510B
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Field Cond		585.5	umhos/cm				SM 2510A
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Field Cond		585.5	umhos/cm				SM 2510B
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Field Cond		619	umhos/cm				SM 2510A
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Field Cond		619	umhos/cm				SM 2510B
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Field Cond		663	umhos/cm				SM 2510A
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Field Cond		663	umhos/cm				SM 2510B
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Field Cond		675.8	umhos/cm				SM 2510A
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Field Cond		675.8	umhos/cm				SM 2510B
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Field Cond		700.7	umhos/cm				SM 2510A
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Field Cond		700.7	umhos/cm				SM 2510B
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Field Cond		675.3	umhos/cm				SM 2510A
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Field Cond		675.3	umhos/cm				SM 2510B
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Field Cond		712.4	umhos/cm				SM 2510A
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Field Cond		712.4	umhos/cm				SM 2510B
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Field Cond		690.9	umhos/cm				SM 2510A
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Field Cond		690.9	umhos/cm				SM 2510B
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Field Cond		749.1	umhos/cm				SM 2510A
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Field Cond		749.1	umhos/cm				SM 2510B
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Field DO		8.29	mg/L				SM 4500-0 G
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Field DO		8.29	mg/L				
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Field DO		93.3	%				SM 4500-0 G
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Field DO		93.3	%				
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Field DO		8.73	mg/L				SM 4500-0 G
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Field DO		8.73	mg/L				
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Field DO		99.1	%				SM 4500-0 G

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Field DO		99.1	%				
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Field DO		100.7	%				SM 4500-0 G
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Field DO		100.7	%				
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Field DO		8.6	mg/L				SM 4500-0 G
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Field DO		8.6	mg/L				
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Field DO		103.2	%				SM 4500-0 G
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Field DO		103.2	%				
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Field DO		8.96	mg/L				SM 4500-0 G
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Field DO		8.96	mg/L				
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Field DO		111.1	%				SM 4500-0 G
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Field DO		111.1	%				
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Field DO		9.89	mg/L				SM 4500-0 G
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Field DO		9.89	mg/L				
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Field Temp		21	C				EPA 170.1
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Field Temp		21.5	C				EPA 170.1
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Field Temp		23.1	C				EPA 170.1
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Field Temp		22.3	C				EPA 170.1
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Field Temp		20.9	C				EPA 170.1
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Hg	<	0.005	ug/L	19-Jul-16	0.005	0.05	EPA 245.1
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Hg	<	0.005	ug/L	25-Jul-16	0.005	0.05	EPA 245.1
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Hg	<	0.005	ug/L	2-Aug-16	0.005	0.05	EPA 245.1
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Hg	<	0.005	ug/L	5-Aug-16	0.005	0.05	EPA 245.1
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Hg	<	0.005	ug/L	15-Aug-16	0.005	0.05	EPA 245.1
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	K		3028	ug/L	15-Aug-16	162.4	1000	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	K		3125	ug/L	9-Aug-16	162.4	1000	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	K		3476	ug/L	23-Aug-16	162.4	500	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	K		3471	ug/L	17-Aug-16	162.4	500	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	K		3536	ug/L	24-Aug-16	162.4	1000	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Mg		11650	ug/L	15-Aug-16	23.49	250	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Mg		12260	ug/L	9-Aug-16	23.49	250	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Mg		14560	ug/L	23-Aug-16	23.49	250	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Mg		13910	ug/L	17-Aug-16	23.49	250	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Mg		15210	ug/L	24-Aug-16	23.49	250	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Mn		16.84	ug/L	15-Aug-16	0.164	2	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Mn		9.759	ug/L	9-Aug-16	0.164	2	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Mn		14.24	ug/L	23-Aug-16	0.164	2	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Mn		6.73	ug/L	17-Aug-16	0.164	2	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Mn		6.015	ug/L	24-Aug-16	0.164	2	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Mo		3.04	ug/L	15-Aug-16	0.18	1	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Mo		3.135	ug/L	9-Aug-16	0.18	1	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Mo		3.582	ug/L	23-Aug-16	0.18	1	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Mo		3.985	ug/L	17-Aug-16	0.18	1	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Mo		4.425	ug/L	24-Aug-16	0.18	1	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Na		54370	ug/L	15-Aug-16	169	500	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Na		63210	ug/L	9-Aug-16	169	500	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Na		66320	ug/L	23-Aug-16	169	500	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Na		72670	ug/L	17-Aug-16	169	500	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Na		73110	ug/L	24-Aug-16	169	500	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	NH3		0.041	mg/L	13-Jul-16	0.009	0.02	EPA-350.1
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	NH3		0.03	mg/L	20-Jul-16	0.009	0.02	EPA-350.1
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	NH3		0.038	mg/L	27-Jul-16	0.009	0.02	EPA-350.1
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	NH3	<	0.009	mg/L	3-Aug-16	0.009	0.02	EPA-350.1
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	NH3	<	0.009	mg/L	10-Aug-16	0.009	0.02	EPA-350.1
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Ni	j	2.647	ug/L	15-Aug-16	0.414	4	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Ni	j	2.479	ug/L	9-Aug-16	0.414	4	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Ni	j	2.302	ug/L	23-Aug-16	0.414	4	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Ni	j	2.406	ug/L	17-Aug-16	0.414	4	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Ni	j	2.356	ug/L	24-Aug-16	0.414	4	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	NO2		0.057	mg/L	13-Jul-16	0.008	0.02	EPA 300.0
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	NO2		0.057	mg/L	13-Jul-16	0.008	0.02	SM 4500-NO2-B
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	NO2		0.034	mg/L	20-Jul-16	0.008	0.02	EPA 300.0
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	NO2		0.034	mg/L	20-Jul-16	0.008	0.02	SM 4500-NO2-B
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	NO2		0.062	mg/L	27-Jul-16	0.008	0.02	EPA 300.0
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	NO2		0.062	mg/L	27-Jul-16	0.008	0.02	SM 4500-NO2-B
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	NO2	<	0.008	mg/L	3-Aug-16	0.008	0.02	EPA 300.0
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	NO2	<	0.008	mg/L	3-Aug-16	0.008	0.02	SM 4500-NO2-B
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	NO2	<	0.008	mg/L	3-Aug-16	0.008	0.02	
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	NO2	<	0.008	mg/L	10-Aug-16	0.008	0.02	EPA 300.0
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	NO2	<	0.008	mg/L	10-Aug-16	0.008	0.02	SM 4500-NO2-B
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	NO3		0.956	mg/L	13-Jul-16	0.007	0.02	EPA 300.0
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	NO3		0.956	mg/L	13-Jul-16	0.007	0.02	EPA 353.2
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	NO3		0.814	mg/L	20-Jul-16	0.007	0.02	EPA 300.0
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	NO3		0.814	mg/L	20-Jul-16	0.007	0.02	EPA 353.2
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	NO3		0.678	mg/L	27-Jul-16	0.007	0.02	EPA 300.0
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	NO3		0.678	mg/L	27-Jul-16	0.007	0.02	EPA 353.2
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	NO3		0.649	mg/L	3-Aug-16	0.007	0.02	EPA 300.0
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	NO3		0.649	mg/L	3-Aug-16	0.007	0.02	EPA 353.2
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	NO3		0.649	mg/L	3-Aug-16	0.007	0.02	
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	NO3		0.34	mg/L	10-Aug-16	0.007	0.02	EPA 300.0
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	NO3		0.34	mg/L	10-Aug-16	0.007	0.02	EPA 353.2
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	NO3+NO2		1.013	mg/L	13-Jul-16	0.007	0.02	EPA 353.2
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	NO3+NO2		0.848	mg/L	20-Jul-16	0.007	0.02	EPA 353.2

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	NO3+NO2		0.741	mg/L	27-Jul-16	0.007	0.02	EPA 353.2
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	NO3+NO2		0.649	mg/L	3-Aug-16	0.007	0.02	EPA 353.2
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	NO3+NO2		0.34	mg/L	10-Aug-16	0.007	0.02	EPA 353.2
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Pb	j	0.505	ug/L	15-Aug-16	0.11	1	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Pb	j	0.301	ug/L	9-Aug-16	0.11	1	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Pb	j	0.26	ug/L	23-Aug-16	0.11	1	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Pb	<	0.11	ug/L	17-Aug-16	0.11	1	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Pb	<	0.11	ug/L	24-Aug-16	0.11	1	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	pH		8.02	S.U.				EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	pH		8.02	S.U.				
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	pH		8.09	S.U.				EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	pH		8.09	S.U.				
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	pH		8.2	S.U.				EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	pH		8.2	S.U.				
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	pH		8.14	S.U.				EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	pH		8.14	S.U.				
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	pH		8.08	S.U.				EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	pH		8.08	S.U.				
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Sb	j	0.383	ug/L	15-Aug-16	0.236	1	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Sb	j	0.408	ug/L	9-Aug-16	0.236	1	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Sb	<	0.236	ug/L	23-Aug-16	0.236	1	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Sb	j	0.347	ug/L	17-Aug-16	0.236	1	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Sb	j	0.392	ug/L	24-Aug-16	0.236	1	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Se	<	1.034	ug/L	15-Aug-16	1.034	5	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Se	<	1.034	ug/L	9-Aug-16	1.034	5	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Se	<	1.034	ug/L	23-Aug-16	1.034	5	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Se	<	1.034	ug/L	17-Aug-16	1.034	5	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Se	<	1.034	ug/L	24-Aug-16	1.034	5	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Sn	<	0.336	ug/L	15-Aug-16	0.336	1	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Sn	<	0.336	ug/L	9-Aug-16	0.336	1	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Sn	<	0.336	ug/L	23-Aug-16	0.336	1	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Sn	<	0.336	ug/L	17-Aug-16	0.336	1	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Sn	<	0.336	ug/L	24-Aug-16	0.336	1	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	SO4		54.52	mg/L	13-Jul-16	0.5	5	EPA 300.0
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	SO4		59.49	mg/L	21-Jul-16	0.5	5	EPA 300.0
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	SO4		67.38	mg/L	28-Jul-16	0.5	5	EPA 300.0
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	SO4		70.45	mg/L	11-Aug-16	0.5	5	EPA 300.0
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	SO4		70.45	mg/L	11-Aug-16	0.5	5	
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	SO4		70.56	mg/L	13-Aug-16	0.5	5	EPA 300.0
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Sr		202.259	ug/L	15-Aug-16	0.234	1	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Sr		216.163	ug/L	9-Aug-16	0.234	1	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Sr		233.528	ug/L	23-Aug-16	0.234	1	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Sr		231.042	ug/L	17-Aug-16	0.234	1	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Sr		265.6	ug/L	24-Aug-16	0.234	1	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	TDS		338	mg/L	14-Jul-16	1	5	SM2540C
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	TDS		370	mg/L	21-Jul-16	1	5	SM2540C
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	TDS		422	mg/L	28-Jul-16	1	5	SM2540C
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	TDS		412	mg/L	5-Aug-16	1	5	SM2540C
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	TDS		430	mg/L	10-Aug-16	1	5	SM2540C
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Ti		3.179	ug/L	15-Aug-16	0.692	2	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Ti		2.27	ug/L	9-Aug-16	0.692	2	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Ti	j	1.738	ug/L	23-Aug-16	0.692	2	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Ti	j	1.385	ug/L	17-Aug-16	0.692	2	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Ti	j	1.113	ug/L	24-Aug-16	0.692	2	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	TKN		0.669	mg/L	20-Jul-16	0.242	0.5	EPA-351.1
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	TKN		0.592	mg/L	29-Jul-16	0.242	0.5	EPA-351.1
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	TKN	j	0.409	mg/L	29-Jul-16	0.242	0.5	EPA-351.1
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	TKN	j	0.316	mg/L	8-Aug-16	0.242	0.5	EPA-351.1
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	TKN	j	0.302	mg/L	12-Aug-16	0.242	0.5	EPA-351.1
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Tl	<	0.236	ug/L	15-Aug-16	0.236	1	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Tl	<	0.236	ug/L	9-Aug-16	0.236	1	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Tl	<	0.236	ug/L	23-Aug-16	0.236	1	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Tl	<	0.236	ug/L	17-Aug-16	0.236	1	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Tl	<	0.236	ug/L	24-Aug-16	0.236	1	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	TMET		10.7	ug/L	15-Aug-16	10		EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	TMET	<	10	ug/L	9-Aug-16	10		EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	TMET	<	10	ug/L	23-Aug-16	10		EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	TMET	<	10	ug/L	17-Aug-16	10		EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	TMET	<	10	ug/L	24-Aug-16	10		EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Total-P		0.22	mg/L	19-Jul-16	0.003	0.01	EPA 365.1
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Total-P		0.148	mg/L	20-Jul-16	0.003	0.01	EPA 365.1
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Total-P		0.133	mg/L	27-Jul-16	0.003	0.01	EPA 365.1
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Total-P		0.081	mg/L	3-Aug-16	0.003	0.01	EPA 365.1
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Total-P		0.071	mg/L	12-Aug-16	0.003	0.01	EPA 365.1
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	TS		372	mg/L	13-Jul-16	1	5	SM2540B
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	TS		396	mg/L	21-Jul-16	1	5	SM2540B
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	TS		456	mg/L	26-Jul-16	1	5	SM2540B
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	TS		428	mg/L	3-Aug-16	1	5	SM2540B
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	TS		480	mg/L	10-Aug-16	1	5	SM2540B
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	TSS		7.4	mg/L	13-Jul-16	0.5	1	SM2540D
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	TSS		14.6	mg/L	20-Jul-16	0.5	1	SM2540D
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	TSS		2.8	mg/L	27-Jul-16	0.5	1	SM2540D

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	TSS		1.1	mg/L	3-Aug-16	0.5	1	SM2540D
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	TSS		1.4	mg/L	10-Aug-16	0.5	1	SM2540D
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Turbidity		5.81	NTU				EPA 180.1
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Turbidity		3.96	NTU				EPA 180.1
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Turbidity		4.01	NTU				EPA 180.1
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Turbidity		1.26	NTU				EPA 180.1
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Turbidity		0.98	NTU				EPA 180.1
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	V	<	2.676	ug/L	15-Aug-16	2.676	10	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	V	<	2.676	ug/L	9-Aug-16	2.676	10	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	V	<	2.676	ug/L	23-Aug-16	2.676	10	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	V	<	2.676	ug/L	17-Aug-16	2.676	10	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	V	<	2.676	ug/L	24-Aug-16	2.676	10	EPA-200.8
West Creek	River Mile 2.10	7/12/2016 9:34	R-1607080009	Zn	j	3.565	ug/L	15-Aug-16	0.664	10	EPA-200.8
West Creek	River Mile 2.10	7/19/2016 10:05	R-1607130004	Zn	j	2.705	ug/L	9-Aug-16	0.664	10	EPA-200.8
West Creek	River Mile 2.10	7/26/2016 10:08	R-1607200014	Zn	j	3.792	ug/L	23-Aug-16	0.664	10	EPA-200.8
West Creek	River Mile 2.10	8/2/2016 10:44	R-1607280010	Zn	j	2.003	ug/L	17-Aug-16	0.664	10	EPA-200.8
West Creek	River Mile 2.10	8/9/2016 9:45	R-1608020019	Zn	j	3.01	ug/L	24-Aug-16	0.664	10	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	*CaCO3		215	mg/LCaCO3	15-Aug-16	1		EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	*CaCO3		174	mg/LCaCO3	9-Aug-16	1		EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	*CaCO3		212	mg/LCaCO3	23-Aug-16	1		EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	*CaCO3		220	mg/LCaCO3	17-Aug-16	1		EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	*CaCO3		230	mg/LCaCO3	24-Aug-16	1		EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Ag	<	0.228	ug/L	15-Aug-16	0.228	1	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Ag	<	0.228	ug/L	9-Aug-16	0.228	1	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Ag	<	0.228	ug/L	23-Aug-16	0.228	1	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Ag	<	0.228	ug/L	17-Aug-16	0.228	1	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Ag	<	0.228	ug/L	24-Aug-16	0.228	1	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Al		83.54	ug/L	15-Aug-16	4.282	10	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Al		220.4	ug/L	9-Aug-16	4.282	10	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Al		68.04	ug/L	23-Aug-16	4.282	10	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Al		53.76	ug/L	17-Aug-16	4.282	10	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Al		48.92	ug/L	24-Aug-16	4.282	10	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Alkalinity		110.3	mg/LCaCO3	13-Jul-16	4.3	10	EPA-310.2
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Alkalinity		89.6	mg/LCaCO3	21-Jul-16	4.3	10	EPA-310.2
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Alkalinity		109.2	mg/LCaCO3	27-Jul-16	4.3	10	EPA-310.2
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Alkalinity		117.3	mg/LCaCO3	4-Aug-16	4.3	10	EPA-310.2
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Alkalinity		109	mg/LCaCO3	11-Aug-16	4.3	10	EPA-310.2
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	As	<	2	ug/L	15-Aug-16	2	4	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	As	<	2	ug/L	9-Aug-16	2	4	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	As	<	2	ug/L	23-Aug-16	2	4	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	As	<	2	ug/L	17-Aug-16	2	4	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	As	<	2	ug/L	24-Aug-16	2	4	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Ba		30.56	ug/L	15-Aug-16	0.218	1	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Ba		27.29	ug/L	9-Aug-16	0.218	1	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Ba		31.6	ug/L	23-Aug-16	0.218	1	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Ba		32.49	ug/L	17-Aug-16	0.218	1	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Ba		34.02	ug/L	24-Aug-16	0.218	1	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Be	<	0.218	ug/L	15-Aug-16	0.218	1	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Be	<	0.218	ug/L	9-Aug-16	0.218	1	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Be	<	0.218	ug/L	23-Aug-16	0.218	1	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Be	<	0.218	ug/L	17-Aug-16	0.218	1	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Be	<	0.218	ug/L	24-Aug-16	0.218	1	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	BOD	AE		mg/L	12-Jul-16	2		SM 5210
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	BOD	<	2	mg/L	20-Jul-16	2		SM 5210
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	BOD	<	2	mg/L	27-Jul-16	2		SM 5210
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	BOD	<	2	mg/L	3-Aug-16	2		SM 5210
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	BOD	<	2	mg/L	10-Aug-16	2		SM 5210
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Ca		58340	ug/L	15-Aug-16	55.83	250	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Ca		48150	ug/L	9-Aug-16	55.83	250	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Ca		56830	ug/L	23-Aug-16	55.83	250	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Ca		60470	ug/L	17-Aug-16	55.83	250	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Ca		64150	ug/L	24-Aug-16	55.83	250	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Cd	<	0.11	ug/L	15-Aug-16	0.11	1	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Cd	<	0.11	ug/L	9-Aug-16	0.11	1	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Cd	<	0.11	ug/L	23-Aug-16	0.11	1	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Cd	<	0.11	ug/L	17-Aug-16	0.11	1	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Cd	<	0.11	ug/L	24-Aug-16	0.11	1	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Chloride		201.3	mg/L	13-Jul-16	4	10	EPA 300.0
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Chloride		162.4	mg/L	21-Jul-16	2	5	EPA 300.0
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Chloride		197.1	mg/L	28-Jul-16	2	5	EPA 300.0
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Chloride		222.5	mg/L	11-Aug-16	4	10	EPA 300.0
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Chloride		226	mg/L	13-Aug-16	4	10	EPA 300.0
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Co	j	0.244	ug/L	15-Aug-16	0.102	1	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Co	j	0.389	ug/L	9-Aug-16	0.102	1	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Co	j	0.218	ug/L	23-Aug-16	0.102	1	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Co	j	0.212	ug/L	17-Aug-16	0.102	1	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Co	j	0.183	ug/L	24-Aug-16	0.102	1	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	COD	j	8.7	mg/L	13-Jul-16	2.1	10	EPA 410.4
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	COD	j	9.2	mg/L	21-Jul-16	2.1	10	EPA 410.4
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	COD		15.6	mg/L	28-Jul-16	2.1	10	EPA 410.4
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	COD	j	3.8	mg/L	4-Aug-16	2.1	10	EPA 410.4
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	COD		15.4	mg/L	15-Aug-16	2.1	10	EPA 410.4
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Conduct		1050	uS/cm	19-Jul-16	0.168	0.838	SM 2510B
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Conduct		893.8	uS/cm	8-Aug-16	0.2	1	SM 2510B
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Conduct		1038	uS/cm	8-Aug-16	0.2	1	SM 2510B
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Conduct		1148	uS/cm	8-Aug-16	0.2	1	SM 2510B
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Conduct		1149	uS/cm	19-Aug-16	0.2	1	SM 2510B
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Cr	<	0.168	ug/L	15-Aug-16	0.168	2	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Cr	j	1.967	ug/L	9-Aug-16	0.168	2	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Cr	j	0.972	ug/L	23-Aug-16	0.168	2	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Cr	j	1.739	ug/L	17-Aug-16	0.168	2	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Cr	j	0.905	ug/L	24-Aug-16	0.168	2	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Cu		2.643	ug/L	15-Aug-16	0.704	2	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Cu		2.845	ug/L	9-Aug-16	0.704	2	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Cu		2.448	ug/L	23-Aug-16	0.966	2	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Cu		2.571	ug/L	17-Aug-16	0.966	2	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Cu		2.071	ug/L	24-Aug-16	0.704	2	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	DRPhos		0.079	mg/L	12-Jul-16	0.005	0.01	EPA 365.1
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	DRPhos		0.062	mg/L	19-Jul-16	0.005	0.01	EPA 365.1

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	DRPhos		0.056	mg/L	27-Jul-16	0.005	0.01	EPA 365.1
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	DRPhos		0.039	mg/L	2-Aug-16	0.005	0.01	EPA 365.1
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	DRPhos		0.022	mg/L	10-Aug-16	0.005	0.01	EPA 365.1
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	E. coli		116	MPN/100 mL	12-Jul-16	1		SM 9223 Colilert
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	E. coli		2545	MPN/100 mL	19-Jul-16	1		SM 9223 Colilert
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	E. coli		714	MPN/100 mL	26-Jul-16	1		SM 9223 Colilert
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	E. coli		800	MPN/100 mL	2-Aug-16	1		SM 9223 Colilert
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	E. coli		106	MPN/100 mL	9-Aug-16	1		SM 9223 Colilert
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Fe		297.5	ug/L	15-Aug-16	4.016	10	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Fe		513.6	ug/L	9-Aug-16	4.016	10	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Fe		238.7	ug/L	23-Aug-16	4.016	10	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Fe		264.2	ug/L	17-Aug-16	4.016	10	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Fe		215.6	ug/L	24-Aug-16	4.016	10	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Field Cond		1032	umhos/cm				SM 2510A
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Field Cond		1032	umhos/cm				SM 2510B
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Field Cond		964.4	umhos/cm				SM 2510A
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Field Cond		964.4	umhos/cm				SM 2510B
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Field Cond		875.3	umhos/cm				SM 2510A
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Field Cond		875.3	umhos/cm				SM 2510B
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Field Cond		941.5	umhos/cm				SM 2510A
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Field Cond		941.5	umhos/cm				SM 2510B
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Field Cond		1040	umhos/cm				SM 2510A
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Field Cond		1040	umhos/cm				SM 2510B
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Field Cond		995.5	umhos/cm				SM 2510A
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Field Cond		995.5	umhos/cm				SM 2510B
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Field Cond		1091	umhos/cm				SM 2510A
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Field Cond		1091	umhos/cm				SM 2510B
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Field Cond		1143	umhos/cm				SM 2510A
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Field Cond		1143	umhos/cm				SM 2510B
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Field Cond		1097	umhos/cm				SM 2510A
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Field Cond		1097	umhos/cm				SM 2510B
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Field Cond		1173	umhos/cm				SM 2510A
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Field Cond		1173	umhos/cm				SM 2510B
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Field DO		7.37	mg/L				SM 4500-0 G
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Field DO		7.37	mg/L				
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Field DO		83.9	%				SM 4500-0 G
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Field DO		83.9	%				
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Field DO		7.93	mg/L				SM 4500-0 G
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Field DO		7.93	mg/L				
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Field DO		89.7	%				SM 4500-0 G
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Field DO		89.7	%				

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Field DO		7.8	mg/L				SM 4500-0 G
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Field DO		7.8	mg/L				
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Field DO		90.8	%				SM 4500-0 G
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Field DO		90.8	%				
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Field DO		100.4	%				SM 4500-0 G
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Field DO		100.4	%				
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Field DO		8.65	mg/L				SM 4500-0 G
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Field DO		8.65	mg/L				
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Field DO		8.04	mg/L				SM 4500-0 G
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Field DO		8.04	mg/L				
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Field DO		91.6	%				SM 4500-0 G
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Field DO		91.6	%				
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Field Temp		21.5	C				EPA 170.1
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Field Temp		21.3	C				EPA 170.1
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Field Temp		22.8	C				EPA 170.1
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Field Temp		22.6	C				EPA 170.1
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Field Temp		21.6	C				EPA 170.1
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Hg	<	0.005	ug/L	19-Jul-16	0.005	0.05	EPA 245.1
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Hg	<	0.005	ug/L	25-Jul-16	0.005	0.05	EPA 245.1
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Hg	<	0.005	ug/L	2-Aug-16	0.005	0.05	EPA 245.1
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Hg	<	0.005	ug/L	9-Aug-16	0.005	0.05	EPA 245.1
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Hg	<	0.005	ug/L	15-Aug-16	0.005	0.05	EPA 245.1
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	K		4583	ug/L	15-Aug-16	162.4	1000	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	K		3781	ug/L	9-Aug-16	162.4	1000	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	K		4436	ug/L	23-Aug-16	162.4	1000	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	K		4706	ug/L	17-Aug-16	162.4	500	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	K		4793	ug/L	24-Aug-16	162.4	1000	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Mg		16840	ug/L	15-Aug-16	23.49	250	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Mg		13020	ug/L	9-Aug-16	23.49	250	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Mg		17050	ug/L	23-Aug-16	23.49	250	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Mg		16660	ug/L	17-Aug-16	23.49	250	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Mg		16970	ug/L	24-Aug-16	23.49	250	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Mn		27.62	ug/L	15-Aug-16	0.164	2	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Mn		25.54	ug/L	9-Aug-16	0.164	2	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Mn		23.72	ug/L	23-Aug-16	0.164	2	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Mn		23.2	ug/L	17-Aug-16	0.164	2	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Mn		24.11	ug/L	24-Aug-16	0.164	2	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Mo		6.204	ug/L	15-Aug-16	0.18	1	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Mo		5.738	ug/L	9-Aug-16	0.18	1	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Mo		6.795	ug/L	23-Aug-16	0.18	1	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Mo		7.002	ug/L	17-Aug-16	0.18	1	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Mo		7.987	ug/L	24-Aug-16	0.18	1	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Na		128300	ug/L	15-Aug-16	169	500	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Na		102700	ug/L	9-Aug-16	169	500	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Na		117900	ug/L	23-Aug-16	169	500	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Na		140200	ug/L	17-Aug-16	169	500	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Na		140000	ug/L	24-Aug-16	169	500	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	NH3	j	0.016	mg/L	13-Jul-16	0.009	0.02	EPA-350.1
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	NH3		0.026	mg/L	20-Jul-16	0.009	0.02	EPA-350.1
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	NH3	j	0.009	mg/L	27-Jul-16	0.009	0.02	EPA-350.1
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	NH3	<	0.009	mg/L	3-Aug-16	0.009	0.02	EPA-350.1
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	NH3	<	0.009	mg/L	10-Aug-16	0.009	0.02	EPA-350.1
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Ni	j	2.741	ug/L	15-Aug-16	0.414	4	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Ni	j	2.564	ug/L	9-Aug-16	0.414	4	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Ni	j	2.431	ug/L	23-Aug-16	0.414	4	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Ni	j	2.55	ug/L	17-Aug-16	0.414	4	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Ni	j	2.515	ug/L	24-Aug-16	0.414	4	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	NO2	j	0.019	mg/L	13-Jul-16	0.008	0.02	EPA 300.0
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	NO2	j	0.019	mg/L	13-Jul-16	0.008	0.02	SM 4500-NO2-B
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	NO2	j	0.016	mg/L	20-Jul-16	0.008	0.02	EPA 300.0
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	NO2	j	0.016	mg/L	20-Jul-16	0.008	0.02	SM 4500-NO2-B
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	NO2	j	0.008	mg/L	27-Jul-16	0.008	0.02	EPA 300.0
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	NO2	j	0.008	mg/L	27-Jul-16	0.008	0.02	SM 4500-NO2-B
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	NO2	<	0.008	mg/L	3-Aug-16	0.008	0.02	EPA 300.0
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	NO2	<	0.008	mg/L	3-Aug-16	0.008	0.02	SM 4500-NO2-B
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	NO2	<	0.008	mg/L	10-Aug-16	0.008	0.02	EPA 300.0
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	NO2	<	0.008	mg/L	10-Aug-16	0.008	0.02	SM 4500-NO2-B
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	NO3		0.587	mg/L	13-Jul-16	0.007	0.02	EPA 300.0
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	NO3		0.587	mg/L	13-Jul-16	0.007	0.02	EPA 353.2
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	NO3		0.681	mg/L	20-Jul-16	0.007	0.02	EPA 300.0
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	NO3		0.681	mg/L	20-Jul-16	0.007	0.02	EPA 353.2
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	NO3		0.399	mg/L	27-Jul-16	0.007	0.02	EPA 300.0
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	NO3		0.399	mg/L	27-Jul-16	0.007	0.02	EPA 353.2
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	NO3		0.373	mg/L	3-Aug-16	0.007	0.02	EPA 300.0
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	NO3		0.373	mg/L	3-Aug-16	0.007	0.02	EPA 353.2
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	NO3		0.033	mg/L	10-Aug-16	0.007	0.02	EPA 300.0
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	NO3		0.033	mg/L	10-Aug-16	0.007	0.02	EPA 353.2
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	NO3+NO2		0.606	mg/L	13-Jul-16	0.007	0.02	EPA 353.2
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	NO3+NO2		0.697	mg/L	20-Jul-16	0.007	0.02	EPA 353.2
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	NO3+NO2		0.407	mg/L	27-Jul-16	0.007	0.02	EPA 353.2
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	NO3+NO2		0.373	mg/L	3-Aug-16	0.007	0.02	EPA 353.2
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	NO3+NO2		0.033	mg/L	10-Aug-16	0.007	0.02	EPA 353.2

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Pb	j	0.295	ug/L	15-Aug-16	0.11	1	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Pb	j	0.801	ug/L	9-Aug-16	0.11	1	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Pb	j	0.282	ug/L	23-Aug-16	0.11	1	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Pb	j	0.321	ug/L	17-Aug-16	0.11	1	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Pb	j	0.358	ug/L	24-Aug-16	0.11	1	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	pH		7.88	S.U.				EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	pH		7.88	S.U.				
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	pH		7.94	S.U.				EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	pH		7.94	S.U.				
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	pH		7.93	S.U.				EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	pH		7.93	S.U.				
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	pH		8.06	S.U.				EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	pH		8.06	S.U.				
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	pH		7.73	S.U.				EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	pH		7.73	S.U.				
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Sb	j	0.389	ug/L	15-Aug-16	0.236	1	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Sb	j	0.474	ug/L	9-Aug-16	0.236	1	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Sb	<	0.236	ug/L	23-Aug-16	0.236	1	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Sb	j	0.47	ug/L	17-Aug-16	0.236	1	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Sb	j	0.461	ug/L	24-Aug-16	0.236	1	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Se	<	1.034	ug/L	15-Aug-16	1.034	5	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Se	<	1.034	ug/L	9-Aug-16	1.034	5	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Se	<	1.034	ug/L	23-Aug-16	1.034	5	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Se	<	1.034	ug/L	17-Aug-16	1.034	5	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Se	<	1.034	ug/L	24-Aug-16	1.034	5	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Sn	<	0.336	ug/L	15-Aug-16	0.336	1	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Sn	<	0.336	ug/L	9-Aug-16	0.336	1	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Sn	<	0.336	ug/L	23-Aug-16	0.336	1	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Sn	<	0.336	ug/L	17-Aug-16	0.336	1	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Sn	<	0.336	ug/L	24-Aug-16	0.336	1	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	SO4		66.88	mg/L	13-Jul-16	0.5	5	EPA 300.0
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	SO4		63.45	mg/L	21-Jul-16	0.5	5	EPA 300.0
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	SO4		71	mg/L	28-Jul-16	0.5	5	EPA 300.0
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	SO4		77.64	mg/L	11-Aug-16	0.5	5	EPA 300.0
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	SO4		77.02	mg/L	13-Aug-16	0.5	5	EPA 300.0
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Sr		294.158	ug/L	15-Aug-16	0.234	1	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Sr		260.9	ug/L	9-Aug-16	0.234	1	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Sr		299.727	ug/L	23-Aug-16	0.234	1	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Sr		309.996	ug/L	17-Aug-16	0.234	1	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Sr		334.532	ug/L	24-Aug-16	0.234	1	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	TDS		592	mg/L	15-Jul-16	1	5	SM2540C

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	TDS		528	mg/L	21-Jul-16	1	5	SM2540C
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	TDS		608	mg/L	28-Jul-16	1	5	SM2540C
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	TDS		650	mg/L	5-Aug-16	1	5	SM2540C
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	TDS		644	mg/L	10-Aug-16	1	5	SM2540C
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Ti		2.484	ug/L	15-Aug-16	0.692	2	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Ti		3.997	ug/L	9-Aug-16	0.692	2	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Ti	j	1.6	ug/L	23-Aug-16	0.692	2	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Ti	j	1.667	ug/L	17-Aug-16	0.692	2	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Ti	j	1.026	ug/L	24-Aug-16	0.692	2	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	TKN		0.572	mg/L	20-Jul-16	0.242	0.5	EPA-351.1
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	TKN	j	0.419	mg/L	29-Jul-16	0.242	0.5	EPA-351.1
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	TKN	j	0.34	mg/L	29-Jul-16	0.242	0.5	EPA-351.1
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	TKN	j	0.278	mg/L	8-Aug-16	0.242	0.5	EPA-351.1
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	TKN	<	0.242	mg/L	12-Aug-16	0.242	0.5	EPA-351.1
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Tl	<	0.236	ug/L	15-Aug-16	0.236	1	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Tl	<	0.236	ug/L	9-Aug-16	0.236	1	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Tl	<	0.236	ug/L	23-Aug-16	0.236	1	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Tl	<	0.236	ug/L	17-Aug-16	0.236	1	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Tl	<	0.236	ug/L	24-Aug-16	0.236	1	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	TMET	<	10	ug/L	15-Aug-16	10		EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	TMET		12	ug/L	9-Aug-16	10		EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	TMET	<	10	ug/L	23-Aug-16	10		EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	TMET	<	10	ug/L	17-Aug-16	10		EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	TMET	<	10	ug/L	24-Aug-16	10		EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Total-P		0.094	mg/L	19-Jul-16	0.003	0.01	EPA 365.1
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Total-P		0.09	mg/L	20-Jul-16	0.003	0.01	EPA 365.1
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Total-P		0.072	mg/L	27-Jul-16	0.003	0.01	EPA 365.1
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Total-P		0.052	mg/L	3-Aug-16	0.003	0.01	EPA 365.1
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Total-P		0.042	mg/L	12-Aug-16	0.003	0.01	EPA 365.1
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	TS		628	mg/L	13-Jul-16	1	5	SM2540B
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	TS		568	mg/L	21-Jul-16	1	5	SM2540B
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	TS		656	mg/L	26-Jul-16	1	5	SM2540B
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	TS		672	mg/L	3-Aug-16	1	5	SM2540B
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	TS		692	mg/L	10-Aug-16	1	5	SM2540B
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	TSS		4.4	mg/L	13-Jul-16	0.5	1	SM2540D
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	TSS		9.6	mg/L	20-Jul-16	0.5	1	SM2540D
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	TSS		2.8	mg/L	27-Jul-16	0.5	1	SM2540D
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	TSS		2.5	mg/L	3-Aug-16	0.5	1	SM2540D
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	TSS		2.3	mg/L	10-Aug-16	0.5	1	SM2540D
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Turbidity		4	NTU				EPA 180.1
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Turbidity		9.56	NTU				EPA 180.1

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Turbidity		2.35	NTU				EPA 180.1
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Turbidity		3.49	NTU				EPA 180.1
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Turbidity		2.245	NTU				EPA 180.1
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	V	<	2.676	ug/L	15-Aug-16	2.676	10	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	V	<	2.676	ug/L	9-Aug-16	2.676	10	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	V	<	2.676	ug/L	23-Aug-16	2.676	10	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	V	<	2.676	ug/L	17-Aug-16	2.676	10	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	V	<	2.676	ug/L	24-Aug-16	2.676	10	EPA-200.8
West Creek	River Mile 0.20	7/12/2016 8:55	R-1607080012	Zn	j	2.192	ug/L	15-Aug-16	0.664	10	EPA-200.8
West Creek	River Mile 0.20	7/19/2016 9:10	R-1607130007	Zn	j	4.621	ug/L	9-Aug-16	0.664	10	EPA-200.8
West Creek	River Mile 0.20	7/26/2016 9:10	R-1607200017	Zn	j	3.03	ug/L	23-Aug-16	0.664	10	EPA-200.8
West Creek	River Mile 0.20	8/2/2016 10:02	R-1607280013	Zn	j	1.636	ug/L	17-Aug-16	0.664	10	EPA-200.8
West Creek	River Mile 0.20	8/9/2016 9:03	R-1608020022	Zn	j	4.061	ug/L	24-Aug-16	0.664	10	EPA-200.8

Attachment G

2016 Surface Water Condition Sampling Field Sheets

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Big Creek RM 0.15 Date: 7/26/16 Collectors: Joseph Schiel / Nicole Velez / Catherine Zamborsky

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: YSI "B"

R-1607200006 Big Creek River Mile 0.15 (EM1) Sample Date: 7/26/2016 8:55:00 AM None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 9:07 AM River Mile (Site): 0.15

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1124 Sp. Cond. (µmhos/cm): 1114

Dissolved Oxygen (mg/L): 7.03 D.O. (%): 84.5

Temperature (°C): 24.49 pH (s.u.): 7.96

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

General Comments: _____

R-1607200011 Stickney Creek River Mile 0.15 Sample Date: 7/26/2016 8:55:00 AM None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 9:35 AM River Mile (Site): Stickney 0.15

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 638 Sp. Cond. (µmhos/cm): 604

Dissolved Oxygen (mg/L): 8.40 D.O. (%): 97.0

Temperature (°C): 22.17 pH (s.u.): 8.07

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Big Creek Date: 7/26/16 Collectors: J Schiel / N. Velez / C. Zamborski

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: B

R-1607200007 Big Creek River Mile 4.40 Sample Date: 7/26/2016 8:55:00 AM None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 10:00 AM River Mile (Site): 4.40

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK ✓ Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____ ✓

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 886 Sp. Cond. (µmhos/cm): 844

Dissolved Oxygen (mg/L): 8.39 D.O. (%): 97.1

Temperature (°C): 22.51 pH (s.u.): 8.21

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

General Comments: _____

R-1607200009 Big Creek West Br River Mile Sample Date: 7/26/2016 8:55:00 AM None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 10:10 AM River Mile (Site): West Branch (Ford) 0.02

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK ✓ Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____ ✓

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1144 Sp. Cond. (µmhos/cm): 1100

Dissolved Oxygen (mg/L): 6.38 D.O. (%): 74.4

Temperature (°C): 23.01 pH (s.u.): 7.72

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Big Date: 8/2/16 Collectors: DF/LB

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: G

R-1607280002 Big Creek River Mile 0.15 (EM1) Sample Date: 8/2/2016 one-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 0930 River Mile (Site): 0.15

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain ~~Heavy Snow Melt~~ Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: Flipped over

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 868.4 Sp. Cond. (µmhos/cm): 889.3

Dissolved Oxygen (mg/L): 7.41 D.O. (%): 87.9

Temperature (°C): 23.777 pH (s.u.): 7.61

Turbidity 1 (NTU): 4.74 Turbidity 2 (NTU): 4.15 Average (NTU): 4.45

General Comments: _____

R-1607280003 Big Creek River Mile 4.40 Sample Date: 8/2/2016 one-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 1015 River Mile (Site): 4.40

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 749.5 Sp. Cond. (µmhos/cm): 800.4

Dissolved Oxygen (mg/L): 8.81 D.O. (%): 103

Temperature (°C): 21.665 pH (s.u.): 7.97

Turbidity 1 (NTU): 3.12 Turbidity 2 (NTU): 3.19 Average (NTU): 3.16

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Big Creek Date: 8/9/16 Collectors: Phillips D, Matterson M, Danny Ward (Intern)

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: 600 XLB

R-1608020023 Big Creek River Mile 0.15 (EM1) Sample Date: 8/9/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 9:15am River Mile (Site): Big Creek RM 0.15

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 983 Sp. Cond. (µmhos/cm): 1033

Dissolved Oxygen (mg/L): 8.14 D.O. (%): 96.5

Temperature (°C): 22.47 pH (s.u.): 8.06

Turbidity 1 (NTU): 2.52 Turbidity 2 (NTU): 2.11 Average (NTU): 2.32

General Comments: _____

Sam

R-1608020028 Stickney Creek River Mile 0.15 Sample Date: 8/9/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 1020 hrs River Mile (Site): Stinckney Creek

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 568 Sp. Cond. (µmhos/cm): 619

Dissolved Oxygen (mg/L): 9.15 D.O. (%): 102.2

Temperature (°C): 20.75 pH (s.u.): 8.07

Turbidity 1 (NTU): 2.66 Turbidity 2 (NTU): 2.53 Average (NTU): 2.60

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Big Creek Date: 8/9/16 Collectors: Danny Ward, Mark Matteson, Denise Phillips

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used:

R-1608020026 Big Creek West Br River Mile
Sample Date: 8/9/2016
None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 9:50 River Mile (Site): Big Creek West Branch

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1265 Sp. Cond. (µmhos/cm): 1378

Dissolved Oxygen (mg/L): 7.48 D.O. (%): 84.5

Temperature (°C): 20.74 pH (s.u.): 7.81

Turbidity 1 (NTU): 1.89 Turbidity 2 (NTU): 1.84 Average (NTU): 1.87

General Comments: _____

R-1608020024 Big Creek River Mile 4.40
Sample Date: 8/9/2016
None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 10:00 River Mile (Site): Big Creek RM 4.40

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: too turbid to find HD

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 687 Sp. Cond. (µmhos/cm): 746

Dissolved Oxygen (mg/L): 8.9 D.O. (%): 99.8

Temperature (°C): 20.93 pH (s.u.): 8.20

Turbidity 1 (NTU): 22.2 Turbidity 2 (NTU): 22.5 Average (NTU): 22.4

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Big Creek Date: 8/16/16 Collectors: DP/JK

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used:

R-1608110006 Big Creek West Br River Mile Sample Date: 8/16/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 9:15 River Mile (Site): West Branch 0.02

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other:

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other:

Color: Clear Muddy Tea Milky Other:

Odor: Normal Petroleum Anaerobic Sewage Chemical Other:

Surface Coating: None Foam Oily Scum Other:

Field Parameters: Conductivity (µmhos/cm): 1153.6 Sp. Cond. (µmhos/cm): 1195.8

Dissolved Oxygen (mg/L): 5.99 D.O. (%): 70.3

Temperature (°C): 23.152 pH (s.u.): 7.38

Turbidity 1 (NTU): 4.81 Turbidity 2 (NTU): 5.79 Average (NTU): 5.30

Sample ID:

General Comments:

1608110004 River Mile 4.40 Sample Date: 8/16/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 9:35 am River Mile (Site): 4.40

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other:

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other:

Color: Clear Muddy Tea Milky Other:

Odor: Normal Petroleum Anaerobic Sewage Chemical Other:

Surface Coating: None Foam Oily Scum Other:

Field Parameters: Conductivity (µmhos/cm): 885.2 Sp. Cond. (µmhos/cm): 917.0

Dissolved Oxygen (mg/L): 8.53 D.O. (%): 99.8

Temperature (°C): 23.144 pH (s.u.): 7.97

Turbidity 1 (NTU): 2.18 Turbidity 2 (NTU): 2.69 Average (NTU): 2.44

General Comments: Field Blank Turb2 1.51 Turb2 0.32 Average 0.92

FB-160812001 Field Blank Sample Date: 8/16/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Field Blank 3

Modified January 28, 2015

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Big Creek Date: 8/16/16 Collectors: DF/SF

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: G

R-1608110003 Big Creek River Mile 0.15 (EM1) Sample Date: 8/16/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 0940 River Mile (Site): 0.15

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: OUT

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1123.9 Sp. Cond. (µmhos/cm): 1154.6

Dissolved Oxygen (mg/L): 7.92 D.O. (%): 93.7

Temperature (°C): 23.597 pH (s.u.): 7.84

Turbidity 1 (NTU): 4.16 Turbidity 2 (NTU): 3.81 Average (NTU): 3.99

General Comments: _____

R-1608110007 Big Creek Snow Br River Mile Sample Date: 8/16/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 1006 River Mile (Site): Snow Br

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 642.0 Sp. Cond. (µmhos/cm): 665.0

Dissolved Oxygen (mg/L): 7.97 D.O. (%): 93.4

Temperature (°C): 23.186 pH (s.u.): 7.91

Turbidity 1 (NTU): 3.39 Turbidity 2 (NTU): 3.47 Average (NTU): 3.43

General Comments: _____

Modified January 28, 2015

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Big Creek Date: 8/23/16 Collectors: K. Amidon / M. Meany

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: EXO 1 "D" / HACH 120227-SD108

Time (hrs): 08:58 River Mile (Site): 0.15

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: unknown

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 679.4 Sp. Cond. (µmhos/cm): 758.5

Dissolved Oxygen (mg/L): 8.55 D.O. (%): 93.4

Temperature (°C): 19.53 pH (s.u.): 7.41

Turbidity 1 (NTU): 8.55 Turbidity 2 (NTU): 9.29 Average (NTU): 8.92

General Comments: _____

R-1608190002 Big Creek River Mile 0.15 (EM1) Sample Date: 8/23/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 0940 River Mile (Site): Stickney 0.15

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: unknown

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 557.5 Sp. Cond. (µmhos/cm): 636.2

Dissolved Oxygen (mg/L): 8.45 D.O. (%): 90.4

Temperature (°C): 18.52 pH (s.u.): 7.39

Turbidity 1 (NTU): 2.12 Turbidity 2 (NTU): 2.05 Average (NTU): 2.09

General Comments: DUPLICATE TAKEN TURB = 1.93 / 2.08 = 2.31 NTU AVG

R-1608190007 Stickney Creek River Mile 0.15 Sample Date: 8/23/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

R-1608190008 Stickney Creek River Mile 0.15 Sample Date: 8/23/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Big Creek Date: 8/23/16 Collectors: K.Amidon/M.Muary

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: EXO1 "D" / HACH 120227-50608

Time (hrs): 10:02 River Mile (Site): W. Br. Big Creek 0.02

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: unknown

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 691.4 Sp. Cond. (µmhos/cm): 771.0

Dissolved Oxygen (mg/L): 7.20 D.O. (%): 78.7

Temperature (°C): 19.596 pH (s.u.): 7.33

Turbidity 1 (NTU): 10.35 Turbidity 2 (NTU): 10.85 Average (NTU): 10.60

General Comments: _____

R-1608190005 ✓ Big Creek West Br River Mile Sample Date: 8/23/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 10:12 River Mile (Site): Big Creek 4.40

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: unknown

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 576.0 Sp. Cond. (µmhos/cm): 659.1

Dissolved Oxygen (mg/L): 9.23 D.O. (%): 98.6

Temperature (°C): 18.473 pH (s.u.): 7.71

Turbidity 1 (NTU): 10.64 Turbidity 2 (NTU): 10.93 Average (NTU): 10.79

General Comments: _____

R-1608190003 ✓ Big Creek River Mile 4.40 Sample Date: 8/23/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Cuyahoga River Date: 7/27/16 Collectors: Derek Phillips / Mark Matlesec

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / (NO)

Water Quality Meters Used: EXO "G" / HACH 1202275008

R-1607260012
Cuyahoga River River Mile 8.60
Sample Date: 7/27/2016
None-A HNO3-B H2SO4-C Na2S2O3-E

Sample ID:

Time (hrs): 9:45 River Mile (Site): 8.60

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal (Elevated) Flood

HD Status: OK Other: _____

Color: Clear (Muddy) Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 821.9 Sp. Cond. (µmhos/cm): 832.9

Dissolved Oxygen (mg/L): 7.09 D.O. (%): 84.9

Temperature (°C): 24.305 pH (s.u.): 7.54

Turbidity 1 (NTU): 18.0 Turbidity 2 (NTU): 18.1 Average (NTU): 18.1

General Comments: _____

R-1607260011
Cuyahoga River River Mile 7.00
Sample Date: 7/27/2016
None-A HNO3-B H2SO4-C Na2S2O3-E

Sample ID:

Time (hrs): 10:10 River Mile (Site): 7.00

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal (Elevated) Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 822.0 Sp. Cond. (µmhos/cm): 830.2

Dissolved Oxygen (mg/L): 7.06 D.O. (%): 84.9

Temperature (°C): 24.485 pH (s.u.): 7.65

Turbidity 1 (NTU): 10.4 Turbidity 2 (NTU): 11.3 Average (NTU): 10.9

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Cuyahoga Date: 7/27/16 Collectors: DF/MZ

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: DEXOT / HACH 120227-50108

R-1607260015 Cuyahoga River River Mile 11.30 Sample Date: 7/27/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 1000 River Mile (Site): 11.30

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 780.0 Sp. Cond. (µmhos/cm): 784.7

Dissolved Oxygen (mg/L): 7.12 D.O. (%): 85.9

Temperature (°C): 24.679 pH (s.u.): 7.73

Turbidity 1 (NTU): 14.6 Turbidity 2 (NTU): 18.2 Average (NTU): 17.4

General Comments: _____

R-1607260016 Cuyahoga River River Mile 12.10 Sample Date: 7/27/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 10:20 River Mile (Site): 12.10

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 779.4 Sp. Cond. (µmhos/cm): 788.0

Dissolved Oxygen (mg/L): 7.02 D.O. (%): 84.2

Temperature (°C): 24.437 pH (s.u.): 7.72

Turbidity 1 (NTU): 13.8 Turbidity 2 (NTU): 15.2 Average (NTU): 14.5

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Cuyahoga Date: 8/3/16 Collectors: DF/NA

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES (NO)

Water Quality Meters Used: EXO1 "D" / HACH 120277-5068

R-1607280017 River Mile 5.90
Cuyahoga River Sample Date: 8/3/2016
Ione-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 1110 River Mile (Site): 5.90

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: (OK) Other: _____

Color: Clear (Muddy) Tea Milky Other: _____

Odor: Normal (Petroleum) (Anaerobic) (Sewage) Chemical Other: _____

Surface Coating: None (Foam) (Oily) (Scum) Other: _____

Field Parameters: Conductivity (µmhos/cm): 957.7 Sp. Cond. (µmhos/cm): 946.9

Dissolved Oxygen (mg/L): 6.77 D.O. (%): 83.1

Temperature (°C): 25.58 pH (s.u.): 7.58

Turbidity 1 (NTU): 4.71 Turbidity 2 (NTU): 4.97 Average (NTU): 48.4 10X DIL.

General Comments: _____

R-1607280018 River Mile 7.00
Cuyahoga River Sample Date: 8/3/2016
FB-1607280003 Field Blank Field Blank
Ione-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 1150 River Mile (Site): 7.00

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK Other: _____

Color: Clear (Muddy) Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 951.2 Sp. Cond. (µmhos/cm): 956.7

Dissolved Oxygen (mg/L): 7.07 D.O. (%): 85.3

Temperature (°C): 24.696 pH (s.u.): 7.59

Turbidity 1 (NTU): 29.3 Turbidity 2 (NTU): 30.0 Average (NTU): 29.7

General Comments: FB = 0.18 / 0.21 = 0.20 NTU

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Cuyahoga Date: 8/3/16 Collectors: MM / LB

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: Exo E / HACH 120227-5068

R-1607280024 Cuyahoga River River Mile 16.20 Sample Date: 8/3/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 9:40 River Mile (Site): 16.2

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 965.2 Sp. Cond. (µmhos/cm): 970.6

Dissolved Oxygen (mg/L): 7.39 D.O. (%): 89.2

Temperature (°C): 24.891 pH (s.u.): 7.77

Turbidity 1 (NTU): 31.1 Turbidity 2 (NTU): 30.1 Average (NTU): 30.5

General Comments: _____

R-1607280023 Cuyahoga River River Mile 12.10 Sample Date: 8/3/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 10:25 River Mile (Site): 12.10

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 940.2 Sp. Cond. (µmhos/cm): 949.4

Dissolved Oxygen (mg/L): 7.11 D.O. (%): 85.5

Temperature (°C): 24.494 pH (s.u.): 7.71

Turbidity 1 (NTU): 33.7 Turbidity 2 (NTU): 34.2 Average (NTU): 34.0

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Cuyahoga Date: 8/10/16 Collectors: MM / NA

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? (YES) / NO

uality Meters Used: 600 XL "B" / HACH 120227-5068

9:55 River Mile (Site): 8.100

: (Clear) (Partly Cloudy) Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

tus: OK Other: Can't Find - Too Turbid

Clear Muddy (Tea) Milky Other: _____

(Normal) Petroleum Anaerobic Sewage Chemical Other: _____

e Coating: (None) Foam Oily Scum Other: _____

Parameters: Conductivity (µmhos/cm): 1001 Sp. Cond. (µmhos/cm): 1003

Dissolved Oxygen (mg/L): 8.45 D.O. (%): 101

Temperature (°C): 24.88 pH (s.u.): 7.54

Turbidity 1 (NTU): 13.5 Turbidity 2 (NTU): 13.6 Average (NTU): 13.6

General Comments: Dup: 14.8 / 15.4 = 15.1 NTU

R-1608020012 Cuyahoga River River Mile 8.60 Sample Date: 8/10/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

R-1608020006 Sample Cuyahoga River River Mile 8.60 Sample Date: 8/10/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): ~~10:51~~ 10:45 River Mile (Site): 7.00

Weather: (Clear) (Partly Cloudy) Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK Other: Can't Find - Too Turbid

Color: Clear (Muddy) Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 967 Sp. Cond. (µmhos/cm): 962

Dissolved Oxygen (mg/L): 9.13 D.O. (%): 112

Temperature (°C): 25.9 pH (s.u.): 7.5

Turbidity 1 (NTU): 20.5 Turbidity 2 (NTU): 20.4 Average (NTU): 20.5

General Comments: _____

R-1608020005 Cuyahoga River River Mile 7.00 Sample Date: 8/10/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Cuyahoga Date: 08/10/16 Collectors: C. Sochulen S. Fdy

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: EXO1 unit D / HACH 120227-SD08

R-1608020009 Cuyahoga River River Mile 11.30 Sample Date: 8/10/2016 Sample ID one-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 10:23 River Mile (Site): 11.30

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1139.4 Sp. Cond. (µmhos/cm): 1122.4

Dissolved Oxygen (mg/L): 7.43 D.O. (%): 91.5

Temperature (°C): 25.788 pH (s.u.): 7.96

Turbidity 1 (NTU): 11.8 Turbidity 2 (NTU): 11.0 Average (NTU): 11.4

General Comments: _____

R-1608020010 Cuyahoga River River Mile 12.10 Sample Date: 8/10/2016 Sample ID one-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 10:56 River Mile (Site): 12.10

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: All 3 still in

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1161.0 Sp. Cond. (µmhos/cm): 1139.6

Dissolved Oxygen (mg/L): 7.72 D.O. (%): 95.5

Temperature (°C): 25.985 pH (s.u.): 7.96

Turbidity 1 (NTU): 8.67 Turbidity 2 (NTU): 8.79 Average (NTU): 8.73

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Cuyahoga Date: 8/17/16 Collectors: ES/NA

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: EXO1 (G) / HACH 170227-5003

R-1608110016
Cuyahoga River River Mile 5.90
Sample Date: 8/17/2016
None-A HNO3-B H2SO4-C Na2S2O3-E

Sample ID:

Time (hrs): 11:16 River Mile (Site): 5.90

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 935.3 Sp. Cond. (µmhos/cm): 942.2

Dissolved Oxygen (mg/L): 6.90 D.O. (%): 82.9

Temperature (°C): 24.601 pH (s.u.): 7.63

Turbidity 1 (NTU): 11.7 Turbidity 2 (NTU): 10.8 10x dil Average (NTU): 11.3

General Comments: _____

R-1608110017
Cuyahoga River River Mile 7.00
Sample Date: 8/17/2016
None-A HNO3-B H2SO4-C Na2S2O3-E

Sample ID:

Time (hrs): 11:55 River Mile (Site): 7.00

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 940.5 Sp. Cond. (µmhos/cm): 946.9

Dissolved Oxygen (mg/L): ~~946.4~~ 7.79 D.O. (%): 95.8

Temperature (°C): 24.604 pH (s.u.): 7.74

Turbidity 1 (NTU): 20.2 Turbidity 2 (NTU): 21.3 Average (NTU): 20.8

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Cuyahoga River Date: 8/17/16 Collectors: K. Amidon / S. Foley

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES (NO)

Water Quality Meters Used: EXO1 "C" / HACH 120227-5068

FB-1608110001 Field Blank Field Blank Sample Date: 8/17/2016 None-A HNO3-B H2SO4-C Na2S2O3-E None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 0950 River Mile (Site): 11.30

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK (Other:) unknown

Color: Clear Muddy (Tea) Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 935.5 Sp. Cond. (µmhos/cm): 949.4

Dissolved Oxygen (mg/L): 7.53 D.O. (%): 90.1

Temperature (°C): 24.230 pH (s.u.): 7.97

Turbidity 1 (NTU): 33.3 Turbidity 2 (NTU): 33.3 Average (NTU): 33.3

General Comments: Field Blank Taken - Turb = 0.57 / 0.26 NTU AVG = 0.42 NTU

R-1608110021 Cuyahoga River River Mile 11.30 Sample Date: 8/17/2016 None-A HNO3-B H2SO4-C Na2S2O3-E None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 1030 River Mile (Site): 12.10

Weather: Clear Partly Cloudy (Overcast) Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK (Other:) unknown

Color: Clear (Muddy) Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 937.7 Sp. Cond. (µmhos/cm): 949.7

Dissolved Oxygen (mg/L): 7.63 D.O. (%): 91.4

Temperature (°C): 24.336 pH (s.u.): 7.97

Turbidity 1 (NTU): 29.8 Turbidity 2 (NTU): 27.9 Average (NTU): 28.9

General Comments: _____

R-1608110022 Cuyahoga River River Mile 12.10 Sample Date: 8/17/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Cuyahoga Date: 8/24/14 Collectors: DF/NA

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: EXO1C / HACH 120227-50168

Time (hrs): 10:58 River Mile (Site): 5.90

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 946.7 Sp. Cond. (µmhos/cm): ~~944~~ 975.3

Dissolved Oxygen (mg/L): 8.27 D.O. (%): 96.6

Temperature (°C): 23.419 pH (s.u.): 7.85

Turbidity 1 (NTU): 28.2 Turbidity 2 (NTU): 27.7 Average (NTU): 28.0

General Comments: _____

R-1608220004 Cuyahoga River River Mile 5.90 Sample Date: 8/24/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

---

ne (hrs): 11:30 River Mile (Site): 7.00

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 930.8 Sp. Cond. (µmhos/cm): 972.1

Dissolved Oxygen (mg/L): 7.78 D.O. (%): 90.6

Temperature (°C): 22.775 pH (s.u.): 7.8

Turbidity 1 (NTU): 8.31 Turbidity 2 (NTU): 8.91 Average (NTU): 9.61

General Comments: FB 0.42 / 0.49 = 0.46 NTU

FB-1608220001 Field Blank Field Blank Sample Date: 8/24/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

R-1608220005 Cuyahoga River River Mile 7.00 Sample Date: 8/24/2016 None-A HNO3-B H2SO4-C Na

Modified January 28, 2015

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Cuyahoga River Date: 8/24/16 Collectors: K. Amidon / D. Phillips

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES (NO)

Water Quality Meters Used: EXO 1 "G" / HACH 120227-5068

Time (hrs): 0940 River Mile (Site): 11.30

R-1608220009 Cuyahoga River River Mile 11.30 Sample Date: 8/24/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Weather: Clear (Partly Cloudy) Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK (Other:) Not found

Color: Clear Muddy (Tea) Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 921.3 Sp. Cond. (µmhos/cm): 979.8

Dissolved Oxygen (mg/L): 8.07 D.O. (%): 92.4

Temperature (°C): 21.868 pH (s.u.): 7.91

Turbidity 1 (NTU): 10.3 Turbidity 2 (NTU): 10.4 Average (NTU): 10.4

General Comments: _____

Time (hrs): 1008 River Mile (Site): 12.10

R-1608220010 Cuyahoga River River Mile 12.10 Sample Date: 8/24/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Weather: Clear (Partly Cloudy) Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: (OK) Other: _____

Color: Clear Muddy (Tea) Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 923.0 Sp. Cond. (µmhos/cm): 979.0

Dissolved Oxygen (mg/L): 8.24 D.O. (%): 94.5

Temperature (°C): 22.0010 pH (s.u.): 7.93

Turbidity 1 (NTU): 9.70 Turbidity 2 (NTU): 9.45 Average (NTU): 9.08

General Comments: _____

COC# AE 16061412

NEORSD Surface Water Condition Sampling Field Data Form

E. Sochinkin

Stream: Doan Collectors: Denise Phillips, Sarah Foley

Date: 6/15/16 Cuyahoga River Daily Mean Discharge*: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO
If yes, when and how much rain occurred? _____

Water Quality Meters Used: 600XL unit "A"

Sample ID: K-16061400002

Time: 10:45am Site Location (RM): Doan Brook 0.75

Flow: Low Normal High Other: _____

HD Status: OK Buried Out of Water H-D was Reset

Unknown (river to high) Missing Not Installed Flow: _____ fps

Clarity: Clear Murky Turbid Other: _____

Color: None Green Brown Other: _____

Field Parameters: Dissolved Oxygen (mg/L): 9.12 Temperature (°C): 18.29

Specific Conductance (µmhos/cm): 1349 pH (s.u.): 7.82

General Comments: DO% 92.4 HD Install Flow: .06 Lat: 41.53303
Conductivity: 1176 Depth: 7 in Lon: -81.6295

Field Blank Site / Sample Duplicate Site

Sample ID: (Label Here)

Time: 11:55am Site Location (RM): Doan 3.00

Flow: Low Normal High Other: _____

HD Status: OK Buried Out of Water H-D was Reset

Unknown (river to high) Missing Not Installed Flow: _____ fps

Clarity: Clear Murky Turbid Other: _____

Color: None Green Brown Other: _____

Field Parameters: Dissolved Oxygen (mg/L): 9.12 Temperature (°C): 18.39

Specific Conductance (µmhos/cm): 1216 pH (s.u.): 7.92

General Comments: DO%: 98.5 HD Flow: .56 Lat: 41.50895
conductivity: 1061 Depth: 5.5in Long: -81.61346

Field Blank Site / Sample Duplicate Site

*USGS 04208000 @ Independence, OH Modified November 06, 2008

Dup R-1606140004

Sample ID: R-1606140003

NEORSD Surface Water Condition Sampling Field Data Form c Sochalen

Stream: Doan Collectors: S. Foley D. Phillips

Date: 6/15/16 Cuyahoga River Daily Mean Discharge*: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO
If yes, when and how much rain occurred? _____

Water Quality Meters Used: 600XL unit "A"

Time: 1320 hrs Site Location (RM): Doan Brook 6.70

Flow: Low Normal High Other: _____

HD Status: OK Buried Out of Water H-D was Reset

Unknown (river to high) Missing Not Installed Flow: _____ fps

Clarity: Clear Murky Turbid Other: _____

Color: None Green Brown Other: Light green

Field Parameters: Dissolved Oxygen (mg/L): 5.82 Temperature (°C): 18.00

Specific Conductance (µmhos/cm): 1306 pH (s.u.): 7.61

General Comments: Duplicate DO%: 65.4 conductivity: 1130
HD - Depth: 1 in Flow 0.02 Lat: 41.48382 Long: -81.56460

Field Blank Site / Sample Duplicate Site

Sample ID: (Label Here)

Time: _____ Site Location (RM): _____

Flow: Low Normal High Other: _____

HD Status: OK Buried Out of Water H-D was Reset

Unknown (river to high) Missing Not Installed Flow: _____ fps

Clarity: Clear Murky Turbid Other: _____

Color: None Green Brown Other: _____

Field Parameters: Dissolved Oxygen (mg/L): _____ Temperature (°C): _____

Specific Conductance (µmhos/cm): _____ pH (s.u.): _____

General Comments: _____

Field Blank Site / Sample Duplicate Site

*USGS 04208000 @ Independence, OH

Modified November 06, 2008

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Doan Brook Date: 6/21/16 Collectors: Denise P./Ron M.

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: YSI EXO/ "6"

R-1606170014 Doan Brook River Mile 0.75 (EM3) Sample Date: 6/21/2016 12:17:00 PM Ione-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 10:18 am River Mile (Site): Doan 0.75

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1201.5 Sp. Cond. (µmhos/cm): 1335.7

Dissolved Oxygen (mg/L): 5.72 D.O. (%): 62.9

Temperature (°C): 19.749 pH (s.u.): 7.62

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

General Comments: TDS: 868 mg/L
Phos mg/L: 3.83
BGA-PC mg/L: 0.25

R-1606170003 Doan Brook River Mile 3.00 Sample Date: 6/21/2016 Ione-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 10:50 am River Mile (Site): Doan 3.00

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1132.5 Sp. Cond. (µmhos/cm): 1265.5

Dissolved Oxygen (mg/L): 7.97 D.O. (%): 87.1

Temperature (°C): 19.496 pH (s.u.): 7.81

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

General Comments: Chlor: 16.3
TDS: 823
BGA: 0.66

↳ See copy in 2016 2017 Stormwater Projects

Modified January 28, 2015

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Doan Brook Date: 06-21-16 Collectors: R. Marble D. Phillips

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: YSI EXO1 #6

Time (hrs): 11:15 am River Mile (Site): Doan 6.70

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: (OK) Other: _____

Color: Clear Muddy (Tea) Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1202.9 Sp. Cond. (µmhos/cm): 1319.7

Dissolved Oxygen (mg/L): 5.29 D.O. (%): 58.8

Temperature (°C): 20.363 pH (s.u.): 7.48

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

General Comments: TDS: 858 mg/L
Chol: 4.58 ug/L
BGAPC- 0.39

R-1606170015
Doan Brook
River Mile 6.70
Sample Date: 6/21/2016 12:17:00 PM
Ione-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

General Comments: _____

Sample ID:

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Doan Date: 06-28-16 Collectors: Maichle, Ferritto

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: YSI EXO1 "C"

Time (hrs): 1023 River Mile (Site): Doan 0.75

Weather: Clear **Partly Cloudy** Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal **Baseline/Normal** Elevated Flood

HD Status: **OK** Other: _____

Color: **Clear** Muddy Tea Milky Other: _____

Odor: **Normal** Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: **None** Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1286.1 Sp. Cond. (µmhos/cm): 1401.1

Dissolved Oxygen (mg/L): 7.61 D.O. (%): 85.2

Temperature (°C): 20.705 pH (s.u.): 7.90

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): 0.92

General Comments: TDS: 911 mg/L

Taken w/ bucket

Time (hrs): 1125 River Mile (Site): RM 6.70

Weather: Clear **Partly Cloudy** Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal **Baseline/Normal** Elevated Flood

HD Status: **OK** Other: _____

Color: **Clear** Muddy Tea Milky Other: _____

Odor: **Normal** Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: **None** Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1239.3 Sp. Cond. (µmhos/cm): 1354.9

Dissolved Oxygen (mg/L): 5.18 D.O. (%): 57.7

Temperature (°C): 20.486 pH (s.u.): 7.56

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): 5.09

General Comments: TDS mg/L = 880

R-1606240005 Doan Brook River Mile 0.75 (EM3) Sample Date: 6/28/2016 Ione-A HNO3-B H2SO4-C Na2S2O3-E

R-1606240006 Doan Brook River Mile 6.70 Sample Date: 6/28/2016 Ione-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: _____ Date: _____ Collectors: _____

Gage Station and ID: _____ Daily Mean Discharge: _____ ft^3/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used:

Sample ID:

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

General Comments: _____

Sample ID:

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Doan Brook Date: 7/5/16 Collectors: D. Friedman / S. Foley

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: D

Time (hrs): 11:05 River Mile (Site): 0.75

er: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Dry Intermittent Minimal Baseline/Normal Elevated Flood

atus: OK Other: _____

Clear Muddy Tea Milky Other: _____

Normal Petroleum Anaerobic Sewage Chemical Other: _____

e Coating: None Foam Oily Scum Other: _____

Parameters: Conductivity (µmhos/cm): 1297.2 Sp. Cond. (µmhos/cm): 1425.6

Dissolved Oxygen (mg/L): 8 D.O. (%): 88.8

Temperature (°C): 20.268 pH (s.u.): 7.95

bidity 1 (NTU): 1.64 Turbidity 2 (NTU): 1.28 Average (NTU): 1.46

al Comments: FB: 0.23 0.22 0.23

R-1607010002 River Mile 0.75 (EM3)
Doan Brook
FB-1607010002 1
Field Blank Field Blank
Sample Date: 7/5/2016
None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 11:30 River Mile (Site): 3.00

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1054.8 Sp. Cond. (µmhos/cm): 1180.8

Dissolved Oxygen (mg/L): 8.28 D.O. (%): 90.3

Temperature (°C): 19.427 pH (s.u.): 7.88

Turbidity 1 (NTU): 3.14 Turbidity 2 (NTU): 3.71 Average (NTU): 3.43

General Comments: _____

R-1607010016 River Mile 3.00
Doan Brook
Sample Date: 7/5/2016
None-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Doan Brook Date: 7/5/16 Collectors: D. Friedman/S. Foley

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: D

R-1607010003 Doan Brook River Mile 6.70 Sample Date: 7/5/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 12:00 River Mile (Site): 6.70

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1207.4 Sp. Cond. (µmhos/cm): 1348.8

Dissolved Oxygen (mg/L): 6.65 D.O. (%): 72.4

Temperature (°C): 19.37A pH (s.u.): 7.63

Turbidity 1 (NTU): 1.92 Turbidity 2 (NTU): 2.74 Average (NTU): 2.33

General Comments: _____

Sample ID:

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Doan Brook Date: 7/12/16 JP Collectors: Suehnlen, Fanitto

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: 600XL Unit A

R-1607080005 Doan Brook River Mile 0.75 (EM3) Sample Date: 7/12/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Sample ID:

me (hrs): 1100 River Mile (Site): 0.75

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1103 Sp. Cond. (µmhos/cm): 1175

Dissolved Oxygen (mg/L): 8.78 D.O. (%): 99.3

Temperature (°C): 21.80 pH (s.u.): 8.05

Turbidity 1 (NTU): 0.57 Turbidity 2 (NTU): 0.68 Average (NTU): 0.63

General Comments: _____

R-1607080018 Doan Brook River Mile 3.00 Sample Date: 7/13/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

ime (hrs): 11:15 River Mile (Site): 3.00

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: debris

Field Parameters: Conductivity (µmhos/cm): 882 Sp. Cond. (µmhos/cm): 925

Dissolved Oxygen (mg/L): 8.15 D.O. (%): 94.3

Temperature (°C): 22.58 pH (s.u.): 8.25

Turbidity 1 (NTU): 5.74 Turbidity 2 (NTU): 5.90 Average (NTU): 5.82

General Comments: _____

0

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Doan Brook Date: 7/12/16 Collectors: Soehnlen, Ferritto

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: 600 XL Unit A

R-1607080006 Doan Brook River Mile 6.70 Sample Date: 7/12/2016 Sample None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 11:50 River Mile (Site): 6.70

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1291 Sp. Cond. (µmhos/cm): 1359

Dissolved Oxygen (mg/L): 8.95 D.O. (%): 80.3

Temperature (°C): 22.39 pH (s.u.): 7.78

Turbidity 1 (NTU): 1.47 Turbidity 2 (NTU): 1.65 Average (NTU): 1.56

General Comments: _____

Sample ID:

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

E Sochulen

Stream: Euclid Creek Collectors: S. Folev D. Phillips

Date: 6/15/16 Cuyahoga River Daily Mean Discharge*: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES (NO)
If yes, when and how much rain occurred? _____

Water Quality Meters Used: 600XL unit "A" HACH 120227-5068

Time: 10:25am Site Location (RM): 1.65 ✓

Sample ID: R-16061400010

Flow: Low (Normal) High Other: _____

HD Status: OK (Buried) Out of Water H-D was Reset

Unknown (river to high) Missing (Not Installed) Flow: _____ fps

Clarity: (Clear) Murky Turbid Other: _____

Color: (None) Green Brown Other: _____

Field Parameters: Dissolved Oxygen (mg/L): 9.59 Temperature (°C): 18.86

Specific Conductance (µmhos/cm): 1003 pH (s.u.): 8.07

General Comments: DO% 101.8 conductivity: 885
HD Installation Lat: 41.57389 Turb: 1.30 / 1.14 = 1.22 NTU
Depth 5 inches Lon: -81.54604 Field Blank Site / Sample Duplicate Site
Flow .46ft/sec

Time: _____ Site Location (RM): _____

Flow: Low Normal High Other: _____

HD Status: OK Buried Out of Water H-D was Reset

Unknown (river to high) Missing Not Installed Flow: _____ fps

Sample ID: (Label Here)

Clarity: Clear Murky Turbid Other: _____

Color: None Green Brown Other: _____

Field Parameters: Dissolved Oxygen (mg/L): _____ Temperature (°C): _____

Specific Conductance (µmhos/cm): _____ pH (s.u.): _____

General Comments: _____

Field Blank Site / Sample Duplicate Site

*USGS 04208000 @ Independence, OH

Modified November 06, 2008

NEORSD Surface Water Condition Sampling Field Data Form E. Sachnton

Stream: Euclid Creek 0.4 Collectors: D. Phillips S. Foley

Date: 6/15/16 Cuyahoga River Daily Mean Discharge*: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES (NO)
If yes, when and how much rain occurred? _____

Water Quality Meters Used: 600XL unit "A" HACH 120227-5068

Time: 9:40am Site Location (RM): 0.40 ✓

Sample ID: 2-16061600008

Flow: Low (Normal) High Other: _____

HD Status: N/A OK Buried Out of Water H-D was Reset

Unknown (river to high) Missing Not Installed Flow: _____ fps

Clarity: (Clear) Murky Turbid Other: _____

Color: (None) Green Brown Other: _____

Field Parameters: Dissolved Oxygen (mg/L): 5.65 Temperature (°C): 19.74

Specific Conductance (µmhos/cm): 1102 pH (s.u.): 7.62

General Comments: conductivity 991 DO% 61.9
Turb: 2.05/3.167 = 3.16 NTU

Field Blank Site / Sample Duplicate Site

Time: 9:46 Site Location (RM): 0.55

Sample ID: 2-16061600005

Flow: Low (Normal) High Other: _____

HD Status: NA OK (Buried) Out of Water H-D was Reset

Unknown (river to high) Missing Not Installed Flow: _____ fps

Clarity: (Clear) Murky Turbid Other: _____

Color: (None) Green Brown Other: _____

Field Parameters: Dissolved Oxygen (mg/L): 8.70 Temperature (°C): 19.71

Specific Conductance (µmhos/cm): 1088 pH (s.u.): 7.87

General Comments: Conductivity 978 Downstream HD: 18.5 in Flow: .08 ft/sec
Lat: 41.58340 Long: -81.55928
DO% 88.6
Turb: 2.59/3.64 = 3.11 NTU

Field Blank Site / Sample Duplicate Site

RM 55 18.5 in
Upstream
HD: 8 in Flow: .57 ft/sec
Lat: 41.58248 Long: -81.55917

*USGS 04208000 @ Independence, OH

Modified November 06, 2008

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Euclid Date: 06-21-16 Collectors: R. Maichle, D. Phillips

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: YSI EXO1 "6" HACH 120227-5068

Time (hrs): 0950 River Mile (Site): RM 1.65 ✓

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: cloudy

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1186.7 Sp. Cond. (µmhos/cm): 1286.6

Dissolved Oxygen (mg/L): 7.71 D.O. (%): 86.7

Temperature (°C): 20.937 pH (s.u.): 7.83

Turbidity 1 (NTU): 7.99 Turbidity 2 (NTU): 7.65 Average (NTU): 7.82

General Comments: BGA-PC mg/L – 0.29
chlor mg/L – 6.46
TDS mg/L – 836

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

General Comments: _____

Sample ID:

Euclid Cr River Mile 1.65
Sample Date: 6/21/2016
Ione-A HNO3-B H2SO4-C Na2S2O3-E
P-1606170013

Modified January 28, 2015

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Euclid Creek Date: 06-21-16 Collectors: Z. Hamble, D. Phillips

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES (NO)

Water Quality Meters Used: YSI EXO1 #6" HACH 120227-50608

Time (hrs): 0910hrs River Mile (Site): Euclid Creek 0.55 ✓

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK Other: cloudy

Color: Clear (Muddy) Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 923.3 Sp. Cond. (µmhos/cm): 885.3

Dissolved Oxygen (mg/L): 7.90 D.O. (%): 89.4

Temperature (°C): 21.333 pH (s.u.): 7.74

Turbidity 1 (NTU): 8.18 Turbidity 2 (NTU): 8.01 Average (NTU): 8.10

General Comments: Flow DS - chlor ug/L - 5.78
BGA-PC ug/L - 0.31

R-1606170012 Euclid Creek River Mile 0.55 (EM5) Sample Date: 6/21/2016 Ione-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 0975 River Mile (Site): Euclid 0.40 ✓

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK Other: _____

Color: Clear (Muddy) Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 807.1 Sp. Cond. (µmhos/cm): 863.1

Dissolved Oxygen (mg/L): 6.17 D.O. (%): 70.0

Temperature (°C): 21.596 pH (s.u.): 7.60

Turbidity 1 (NTU): 14.7 Turbidity 2 (NTU): 13.2 Average (NTU): 14.0

General Comments: Flow upstream to downstream

chlor ug/L : 1061

BGA-PC ug/L : 0.53

TDS : 561

R-1606170011 Euclid Creek River Mile 0.40 Sample Date: 6/21/2016 Ione-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Euclid Creek Date: 06/28/16 Collectors: Maichle, Ferritto

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: YSI EXO1 "C" HACH 120227-6068

Time (hrs): 09:16 River Mile (Site): Euclid Creek 0.55 ✓

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: film

Field Parameters: Conductivity (µmhos/cm): 1103.6 Sp. Cond. (µmhos/cm): 1153.0

Dissolved Oxygen (mg/L): 7.27 D.O. (%): 84.6

Temperature (°C): 22.75 pH (s.u.): 7.76

Turbidity 1 (NTU): 1.97 Turbidity 2 (NTU): 1.101 Average (NTU): 1.74

General Comments: flow change/direction

R-1606240008 Euclid Creek River Mile 0.55 (EM5) Sample Date: 6/28/2016 Ione-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 0933 River Mile (Site): Euclid Creek 0.40 ✓

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: film

Field Parameters: Conductivity (µmhos/cm): 1108.7 Sp. Cond. (µmhos/cm): 1150.8

Dissolved Oxygen (mg/L): 4.80 D.O. (%): 56.3

Temperature (°C): 23.038 pH (s.u.): 7.63

Turbidity 1 (NTU): 2.36 Turbidity 2 (NTU): 2.54 Average (NTU): 2.45

General Comments: TDS= 748

flow change/direction

R-1606240007 Euclid Creek River Mile 0.40 Sample Date: 6/28/2016 Ione-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Euclid Date: Oct-28-16 Collectors: Maichle, Ferritto

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: YSI EXO1 "C" HACH 120227-50068

Time (hrs): 0955 River Mile (Site): Euclid RM1.65 ✓

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1035.3 Sp. Cond. (µmhos/cm): 1091.1

Dissolved Oxygen (mg/L): 7.67 D.O. (%): 90.1

Temperature (°C): 22.301 pH (s.u.): 7.87

Turbidity 1 (NTU): 1.42 Turbidity 2 (NTU): 1.49 Average (NTU): 1.46

General Comments: TDS mg/L = 709

R-1606240009 Euclid Creek River Mile 1.65 Sample Date: 6/28/2016 Ione-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

General Comments: _____

Sample ID:

Modified January 28, 2015

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Euclid creek Date: 7/5/16 Collectors: D. Friedman / S. Foley

Gage Station and ID: 1790 Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: D EXO1 / HACH 120227-5008

Time (hrs): 9:42 River Mile (Site): 0.40 ✓

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 879.3 Sp. Cond. (µmhos/cm): 963.3

Dissolved Oxygen (mg/L): 10.33 D.O. (%): 70.2

Temperature (°C): 20.455 pH (s.u.): 6.55

Turbidity 1 (NTU): 8.37 Turbidity 2 (NTU): 7.76 Average (NTU): 8.07

General Comments: ~~FB 0.26 0.23 0.25~~ KLA 12/2/16
FB 0.23 0.22 0.23

FB-1607010005 ✓ Field Blank
Blank
R-1607010004 River Mile 0.40
Euclid Creek Sample Date: 7/5/2016
None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 10:00 River Mile (Site): 0.55 ✓

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 950.2 Sp. Cond. (µmhos/cm): 1039.7

Dissolved Oxygen (mg/L): 8.38 D.O. (%): 93.4

Temperature (°C): 20.494 pH (s.u.): 7.98

Turbidity 1 (NTU): 2.93 Turbidity 2 (NTU): 2.78 Average (NTU): 2.86

General Comments: _____

R-1607010005 River Mile 0.55 (EM5)
Euclid Creek Sample Date: 7/5/2016
None-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Euclid creek Date: 7/5/16 Collectors: D. Friedman/S. Foley

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: D EXO1 / HACH 120227-50068

Time (hrs): 10:25 River Mile (Site): 1.105 ✓

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 9103.8 Sp. Cond. (µmhos/cm): 1058.4

Dissolved Oxygen (mg/L): 8.35 D.O. (%): 92.7

Temperature (°C): 20.321 pH (s.u.): 7.98

Turbidity 1 (NTU): 3.27 Turbidity 2 (NTU): 3.21 Average (NTU): 3.24

General Comments: _____

R-1607010006 Euclid Creek River Mile 1.65 Sample Date: 7/5/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

General Comments: _____

Sample ID:

R-1607080004
Euclid Creek River Mile 1.65
Sample Date: 7/12/2016
None-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Euclid Creek Date: 7/12/16 Collectors: Soehnlein, Kanitto

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: 6006L unit A / HACH 120227-5068

Sample ID:

Time (hrs): 10:12 River Mile (Site): 1.65

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): ~~994~~ 952 Sp. Cond. (µmhos/cm): 994

Dissolved Oxygen (mg/L): 8.10 D.O. (%): 94.2

Temperature (°C): 22.76 pH (s.u.): 7.96

Turbidity 1 (NTU): 1.42 Turbidity 2 (NTU): 1.23 Average (NTU): 1.33

General Comments: _____

Sample ID:

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Euclid Creek Date: 7/12/16 Collectors: Sochnlen, Ferrito

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: 600 XL Unit A / HACH 120227-SD68

R-1607080002 R-1607080034 Euclid Creek River Mile 0.40 Sample Date: 7/12/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Sample

ne (hrs): 0930 River Mile (Site): 0.40 ✓

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: Plant debris

Field Parameters: Conductivity (µmhos/cm): 992 Sp. Cond. (µmhos/cm): 1032

Dissolved Oxygen (mg/L): 4.51 D.O. (%): 52.6

Temperature (°C): 23.00 pH (s.u.): 7.62

Turbidity 1 (NTU): 8.54 Turbidity 2 (NTU): 8.58 Average (NTU): 8.56

General Comments: Dup Turb 4.76, 3.85 Ave = 4.31

R-1607080003 Euclid Creek River Mile 0.55 (EM5) Sample Date: 7/12/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 0945 River Mile (Site): 0.55 ✓

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: Plant debris

Field Parameters: Conductivity (µmhos/cm): 865 Sp. Cond. (µmhos/cm): 884

Dissolved Oxygen (mg/L): ~~5.37~~ 7.91 D.O. (%): 95.3

Temperature (°C): 23.87 pH (s.u.): 7.92

Turbidity 1 (NTU): 1.50 Turbidity 2 (NTU): 1.37 Average (NTU): 1.44

General Comments: _____

Modified January 28, 2015

NEORSD Surface Water Condition Sampling Field Data Form

Stream: West Creek Date: 07-12-16 Collectors: Z. Marble B. Boggan

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: YSI EXO1 "6"

Time (hrs): 0835 River Mile (Site): West Creek R.M 0.20

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK Other: _____

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 964.4 Sp. Cond. (µmhos/cm): 1032.5

Dissolved Oxygen (mg/L): 7.37 D.O. (%): 83.9

Temperature (°C): 21.548 pH (s.u.): 7.88 VLLTM 07-13-16

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): 4.00

General Comments: TDS: 671 mg/L

R-1607080012 West Creek River Mile 0.20 Sample Date: 7/12/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 0900 River Mile (Site): West Creek R.M 1.60

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK Other: _____

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 646.1 Sp. Cond. (µmhos/cm): 685.3

Dissolved Oxygen (mg/L): 10.78 D.O. (%): 124.0

Temperature (°C): 21.999 pH (s.u.): 8.54 VLLTM 07-13-16

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): 2.36

General Comments: TDS: 445 mg/L

R-1607080010 West Creek River Mile 1.60 Sample Date: 7/12/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: West Creek Date: 07-12-16 Collectors: R. Haichle B. Boggan

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: YSI EXO1 "C"

R-1607080009
West Creek River Mile 2.10
Sample Date: 7/12/2016
None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 0934 River Mile (Site): West Creek R.M 2.10

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 541.2 Sp. Cond. (µmhos/cm): 585.5

Dissolved Oxygen (mg/L): 8.29 D.O. (%): 93.3

Temperature (°C): 21.046 pH (s.u.): 8.02

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): 5.81

General Comments: TDS: 381 mg/L

✓ LL TBM 07-13-16

R-1607080008
West Creek River Mile 3.65
Sample Date: 7/12/2016
None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 1010 River Mile (Site): West Creek R.M 3.65

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 570.6 Sp. Cond. (µmhos/cm): 601.6

Dissolved Oxygen (mg/L): 8.93 D.O. (%): 103.3

Temperature (°C): 22.421 pH (s.u.): 8.02

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): 2.21

General Comments: TDS: 391 mg/L

✓ LL TBM 07-13-16

NEORSD Surface Water Condition Sampling Field Data Form

Stream: West Creek Date: 7/19/16 Collectors: K. Amidon / J. Schiel

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: EXO1 "G" / HACH 120227-50068

Time (hrs): 0910 River Mile (Site): 0.20

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 875.3 Sp. Cond. (µmhos/cm): 941.5

Dissolved Oxygen (mg/L): 7.93 D.O. (%): 89.7

Temperature (°C): 21.315 pH (s.u.): 7.94

Turbidity 1 (NTU): 9.31 Turbidity 2 (NTU): 9.81 Average (NTU): 9.56

General Comments: Field Blank Turb = 0.19 / 0.14 Avg = 0.17 NTU

R-1607130007 West Creek River Mile 0.20 Sample Date: 7/19/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

FB-1607130001 Field Blank Field Blank Sample Date: 7/19/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 0940 River Mile (Site): 1.60

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: Out of Water

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 713.5 Sp. Cond. (µmhos/cm): 740.8

Dissolved Oxygen (mg/L): 9.88 D.O. (%): 115.7

Temperature (°C): 23.058 pH (s.u.): 8.44

Turbidity 1 (NTU): 4.63 Turbidity 2 (NTU): 4.99 Average (NTU): 4.80

General Comments: _____

R-1607130005 West Creek River Mile 1.60 Sample Date: 7/19/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: West Creek Date: 7/19/16 Collectors: K. Amidon / J. Suniel

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? (YES) / NO

Water Quality Meters Used: EXO1 "G" / HACH 120227-50068

R-1607130004 West Creek River Mile 2.10 Sample Date: 7/19/2016 None-A HNO3-B H2SO4-C Na2S2O3-E Sample

Time (hrs): 1005 River Mile (Site): 2.10

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK Other: Out Of Water

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 619.0 Sp. Cond. (µmhos/cm): 1063.0

Dissolved Oxygen (mg/L): 8.73 D.O. (%): 99.1

Temperature (°C): 21.529 pH (s.u.): 8.09

Turbidity 1 (NTU): 4.12 Turbidity 2 (NTU): 3.80 Average (NTU): 3.96

General Comments: _____

R-1607130003 West Creek River Mile 3.65 Sample Date: 7/19/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 1035 River Mile (Site): 3.65

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK Other: Not Found

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 679.9 Sp. Cond. (µmhos/cm): 712.7

Dissolved Oxygen (mg/L): 9.11 D.O. (%): 105.6

Temperature (°C): 22.587 pH (s.u.): 8.09

Turbidity 1 (NTU): 4.98 Turbidity 2 (NTU): 4.22 Average (NTU): 4.60

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: West Creek Date: 07/26/16 Collectors: E. Schulen/D. Phillips/J. Fenito

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: EXO1 unit "D"

R-1607200017 West Creek River Mile 0.20 Sample Date: 7/26/2016 Sample ID None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 9:10 River Mile (Site): 0.20

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 995.5 Sp. Cond. (µmhos/cm): 1034.6

Dissolved Oxygen (mg/L): 7.80 D.O. (%): 90.8

Temperature (°C): 22.777 pH (s.u.): 7.93

Turbidity 1 (NTU): 2.61 Turbidity 2 (NTU): 2.09 Average (NTU): 2.35

General Comments: _____

R-1607200015 R-1607200018 West Creek River Mile 1.60 Sample Date: 7/26/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 9:30 River Mile (Site): 1.60

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: Reinstall, was lost last week

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 748.9 Sp. Cond. (µmhos/cm): 764.1

Dissolved Oxygen (mg/L): 10.99 D.O. (%): 130.6

Temperature (°C): 23.969 pH (s.u.): 8.64

Turbidity 1 (NTU): 1.51 Turbidity 2 (NTU): 1.47 Average (NTU): 1.49

General Comments: ~~Flow: 6cm depth~~ Flow: 0.3 ft/s depth: 6cm dup Turb = 1.74

Lat. 41.4143°
Long. -81.6618°

Modified January 28, 2015

1 left east of green pipe at [illegible] ground

NEORSD Surface Water Condition Sampling Field Data Form

Stream: West Creek Date: 07/26/16 Collectors: C. Boehler / D. Phillips / J. Ferritto

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / (NO)

Water Quality Meters Used: EXO1 unit D

R-1607200014 West Creek River Mile 2.10 Sample Date: 7/26/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Sample ID:

Time (hrs): 10:08 River Mile (Site): 2.10

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent (Minimal) Baseline/Normal Elevated Flood

HD Status: OK Other: Reinstalling, lost last week

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 675.8 Sp. Cond. (µmhos/cm): 700.7

Dissolved Oxygen (mg/L): 8.60 D.O. (%): 100.7

Temperature (°C): 23.146 pH (s.u.): 8.20

Turbidity 1 (NTU): 3.66 Turbidity 2 (NTU): 4.35 Average (NTU): 4.01

General Comments: flow ft/sec
deposit 0.1cm

R-1607200013 West Creek River Mile 3.65 Sample Date: 7/26/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Sa.

Time (hrs): 1052 River Mile (Site): 3.65

Weather: Clear (Partly Cloudy) Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: (OK) Other: _____

Color: Clear (Muddy) Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum (Other:) muddy

Field Parameters: Conductivity (µmhos/cm): 523.2 Sp. Cond. (µmhos/cm): 538.3

Dissolved Oxygen (mg/L): 8.48 D.O. (%): 100.2

Temperature (°C): 23.618 pH (s.u.): 8.01

10x dil

Turbidity 1 (NTU): 5.72 x 10 Turbidity 2 (NTU): 5.42 x 10 Average (NTU): 5.57 x 10 = 55.7

General Comments: _____

cloudy / muddy : cloudy

Modified January 28, 2015

NEORSD Surface Water Condition Sampling Field Data Form

Stream: West Creek Date: 8/2/16 Collectors: M. Matheson, S. Foley

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: C EXO C

R-1607280013 West Creek River Mile 0.20 Sample Date: 8/2/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Sample ID:

Time (hrs): 10:02 River Mile (Site): 0.20

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1091.2 Sp. Cond. (µmhos/cm): 1143.1

Dissolved Oxygen (mg/L): 8.65 D.O. (%): 100.4

Temperature (°C): 22.61 pH (s.u.): 8.06

Turbidity 1 (NTU): 3.43 Turbidity 2 (NTU): 3.55 Average (NTU): 3.49

General Comments: _____

R-1607280011 West Creek River Mile 1.60 Sample Date: 8/2/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 10:25 River Mile (Site): 1.60

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 799.1 Sp. Cond. (µmhos/cm): 808.4

Dissolved Oxygen (mg/L): 10.41 D.O. (%): 124.8

Temperature (°C): 24.398 pH (s.u.): 8.63

Turbidity 1 (NTU): 1.90 Turbidity 2 (NTU): 1.67 Average (NTU): 1.79

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: West Creek Date: 8/2/16 Collectors: M. Matheson, S. Foley

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: EXO C

Time (hrs): 10:44 River Mile (Site): 2.10

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: (OK) Other: _____

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 675.3 Sp. Cond. (µmhos/cm): 712.4

Dissolved Oxygen (mg/L): 8.96 D.O. (%): 103.2

Temperature (°C): 22.282 pH (s.u.): 8.14

Turbidity 1 (NTU): 1.19 Turbidity 2 (NTU): 1.32 Average (NTU): 1.26

General Comments: _____

R-1607280010 West Creek River Mile 2.10 Sample Date: 8/2/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 11:01 River Mile (Site): 3.65

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: (OK) Other: _____

olor: (Clear) Muddy Tea Milky Other: _____

dor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

urface Coating: (None) Foam Oily Scum Other: _____

eld Parameters: Conductivity (µmhos/cm): 631.5 Sp. Cond. (µmhos/cm): 661.2

Dissolved Oxygen (mg/L): 9.10 D.O. (%): 105.6

Temperature (°C): 22.649 pH (s.u.): 8.08

Turbidity 1 (NTU): 2.25 Turbidity 2 (NTU): 2.31 Average (NTU): 2.28

Duplicate 2.27 2.26 2.27

General Comments: _____

R-1607280009 West Creek River Mile 3.65 R-1607280014 West Creek River Mile 3.65 Sample Date: 8/2/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: West Creek Date: 8/9/16 Collectors: DF/NA

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used:

Time (hrs): 9:03 River Mile (Site): 0.20

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1097.0 Sp. Cond. (µmhos/cm): 1173.0

Dissolved Oxygen (mg/L): 8.04 D.O. (%): 91.6%

Temperature (°C): 21.606 pH (s.u.): 7.73

Turbidity 1 (NTU): 2.24 Turbidity 2 (NTU): 2.25 Average (NTU): 2.25

General Comments: _____

R-1608020022 West Creek River Mile 0.20 Sample Date: 8/9/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 9:29 River Mile (Site): 1.60

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 794.7 Sp. Cond. (µmhos/cm): 843.2

Dissolved Oxygen (mg/L): 10.92 D.O. (%): 125.2

Temperature (°C): 20.009 pH (s.u.): 8.31

Turbidity 1 (NTU): 1.18 Turbidity 2 (NTU): 1.36 Average (NTU): 1.27

General Comments: _____

R-1608020020 West Creek River Mile 1.60 Sample Date: 8/9/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: West Creek Date: 8/9/16 Collectors: DF / NA

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: D

R-1608020019 West Creek River Mile 2.10 Sample Date: 8/9/2016 Sample None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 945 River Mile (Site): 2.10

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 690.9 Sp. Cond. (µmhos/cm): 749.1

Dissolved Oxygen (mg/L): 9.89 D.O. (%): 111.1

Temperature (°C): 20.942 pH (s.u.): 8.08

Turbidity 1 (NTU): 0.99 Turbidity 2 (NTU): 0.97 Average (NTU): 0.98

General Comments: _____

R-1608020018 West Creek River Mile 3.65 Sample Date: 8/9/2016 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 1015 River Mile (Site): 3.65

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 656.6 Sp. Cond. (µmhos/cm): 701.3

Dissolved Oxygen (mg/L): 9.35 D.O. (%): 106.5

Temperature (°C): 21.653 pH (s.u.): 7.89

Turbidity 1 (NTU): 1.81 Turbidity 2 (NTU): 2.48 Average (NTU): 2.15

General Comments: _____