PHENIX CITY alabama

DEPARTMENT OF ENGINEERING / PUBLIC WORKS

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VIA ELECTRONIC SUBMITTAL

May 12, 2021

Alabama Department of Environmental Management
Stormwater Management Branch
Attn: Cammie Ashmore
P. O. Box 301463
Montgomery, AL 36130-1463

Re: 2020-2021 Annual Storm Water Report

Ms. Ashmore:

Please find attached the Storm Water Management Program Annual Report for the City of Phenix City, Alabama.

If you have any questions, please do not hesitate to contact my office.

Sincerely,

Angel Moore, P.E.
City Engineer

Cc: File

Storm Water Management Program

Annual Report

City of Phenix City, Alabama

Individual Phase II MS4

NPDES Permit No. ALR040019

April 1, 2020 – March 31, 2021

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1.0 Introduction

The Annual Report is required by Part VI of the Alabama Department of Environmental Management (ADEM) National Pollutant Discharge Elimination System (NPDES) Individual Permit ALR040019 for discharges from the City of Phenix City Municipal Separate Storm Sewer System (MS4).

1.1 Phenix City MS4 Area

The City of Phenix City is located in southeast Alabama within the *Columbus, Georgia – Alabama Urbanized Area*. The Phenix City MS4 comprises approximately 18.63 square miles (11,923 acres). The City limits encompass an area of approximately 27.75 square miles (17,760 acres).

According to the United States Census Bureau, the 2019 ACS 5-Year Population Estimate for Phenix City, Alabama is 36,516 with a population density of 1,315.89 people per square mile.

1.2 Hydrologic Units in the Urbanized Area

The Chattahoochee River is the primary receiving water for the Phenix City MS4. Hydrologic hierarchy, watersheds, and subwatersheds are provided in the tables below.

Table 1-1: Hydrologic Hierarchy

REGION	03	South Atlantic-Gulf
SUBREGION	03	South Atlantic-Gulf
BASIN	031300	Apalachicola: The coastal drainage and associated waters from the Ochlockonee River Basin boundary to and including the Apalachicola River Basin and the drainage into Apalachicola Bay
SUBBASIN	03130003	Middle Chattahoochee-Walter F. George

Table 1-2: Watersheds in the Phenix City MS4

Watershed	HUC	TOTAL AREA (Acres)
Mill - Holland Creek	03130003-0101	15,872

1.3 Water Quality Concerns

Section 303(d) of the Clean Water Act (CWA), as amended by the Water Quality Act of 1987, and EPA's Water Quality Planning and Management Regulations (40 CFR 130) require states to identify waterbodies not in compliance with the water quality standards applicable to their designated use classifications. The identified waters are prioritized based on severity of the pollution. Section 303(d) then requires that Total Maximum Daily Loads (TMDLs) be determined for all pollutants causing violation of applicable water quality standards in each identified segment. The TMDL process establishes the allowable loading of pollutants, or other quantifiable parameters for a waterbody, based on the relationship between pollution sources and in-stream water quality conditions.

As mentioned in Section 1.2, the Chattahoochee River is the primary receiving water for the Phenix City MS4. ADEM had previously identified an impaired stream within the City, and although Mill Creek has been removed from the Final 2018 Alabama 303(d) list, the City continues to perform water monitoring at this time and assess the condition of said stream. The following table summarizes the previously found impairments for Mill Creek.

Table 1-3: Waterbody Segments in the Urbanized Area Recently Removed from the Alabama 303(d) List

ASSESSMENT UNIT ID	WATERBODY NAME	USES	CAUSES	SOURCES
AL03130003-0101-100	Mill Creek	Fish & Wildlife	Organic Enrichment (CBOD,NBOD)	Urban development

1.3.1.1 Mill Creek

According to ADEM's 2016 303(d) list, Mill Creek was identified as being impaired in 2006. Mill Creek originates in Smiths Station and flows in a southeast direction towards Phenix City. The creek discharges into Holland Creek which flows through the City and discharges into the Chattahoochee River. The confluence is near the Phenix City Riverwalk directly below the Chattahoochee River Whitewater Park. Mill Creek is approximately 9.93 miles long and the previous impairment was listed for the entire length of the creek.

The Mill Creek watershed is approximately 15,872 acres in size and is highly urbanized with many subdivisions and ongoing construction activities.

Sources of organic enrichment from potential sources within the Mill Creek watershed include:

- Failing septic systems
- Municipal storm water runoff
- Fecal matter from pets and wildlife
- Fertilizer application / yard waste

Part IV.D of the NPDES General Permit requires that the Storm Water Management Program Plan (SWMPP) include Best Management Practices (BMPs) and control measures specifically targeted to control discharges of pollutants associated with the impairment. The SWMPP must also include a monitoring program for parameters attributed to the 303(d) listed impairment.

As stated above, Mill Creek has been removed from the 2018 Alabama 303(d) list. No other impaired streams are located within the Phenix City MS4.

1.4 Annual Report Components

Part VI of the NPDES General Permit requires that the City of Phenix City develop and submit an Annual Report that reflect activities from April 1, 2020 through March 31, 2021 and include the following:

1. List of contacts and responsible parties for the participation of the Annual Report.
2. Evaluation of the SWMPP development and progress for the following:
    a. Major accomplishments
    b. Overall program strengths and weaknesses
    c. Future direction of the program
    d. Overall determination of the effectiveness of the SWMPP to water quality/watershed improvements
    e. Measurable goals that were not performed and reasons why
    f. Evaluation of monitoring data
3. Measurable goals for each of the five minimum control measures.
4. Proposed changes to the SWMPP, including changes to the BMPs or measurable goals.
5. An assessment of whether or not the existing BMPs are appropriate.
6. Summary of storm water activities planned for the upcoming year.
7. Progress toward reducing the discharge of pollutants to the maximum extent practicable.

2.0 Contacts List

Part VI.4.a of the NPDES Permit requires that the City of Phenix City provide a list of contacts and responsible parties involved in the preparation of the Annual Report. The City of Phenix City Engineering Department, Mayor's office, and City Manager's office are collectively responsible for the coordination and implementation of the City's Annual Report. The individuals responsible for the coordination and implementation of the Annual Report are provided in the table below. Coordination between City Departments may be specified in each section of the 2020-2021 Annual Report.

Table 2-1: City Departments and Responsible Individuals

DEPARTMENT	CONTACT	PHONE NO.	EMAIL
Mayor's Office	Mayor Eddie N. Lowe	334-448-2701	elowe@phenixcityal.us
City Manager's Office	Wallace B. Hunter	334-448-2701	whunter@phenixcityal.us
Engineering Department	Angel Moore, P.E., City Engineer, Director of Engineering and Public Works	334-448-2760	amoore@phenixcityal.us
Engineering Department	Michael Pattillo, Assistant Director of Engineering and Public Works	334-448-2760	mpattillo@phenixcityal.us
Engineering Department	Paul Chastain, Public Works Superintendent	334-448-2904	bchastain@phenixcityal.us

Questions concerning the 2020-2021 Annual Report should be directed to the Engineering Department.

3.0 Program Evaluation

3.1 Major Accomplishments

3.1.1 Continued High Participation in Municipal Training

The City has an annual training program for municipal employees with a focus on pollution prevention, good housekeeping, illicit discharge identification, and other threats to the quality of storm water. A total of 56 employees of the City of Phenix City attended annual training this year held at the Martin Idle Hour Park Community Center. Due to COVID-19 an additional session was added to give the attendees appropriate social distancing space. Given the circumstances of the pandemic and the risk to public health, the in person attendance was tantamount to a conventional reporting period.

3.1.2 Progress in Identifying Priority Areas

During the 2020-2021 reporting period, the City increased efforts in identifying priority areas through the stream walking program and through the continued development and adjustment of Illicit Discharge Potential (IDP) scores and calculations for each drainage basin. An Illicit Discharge Potential (IDP) Chart with scores for each delineated drainage basin has been included along with a list of Potential Generating Sites (PGS) from the EPA ECHO database. Maps showing drainage basins, city sanitary sewer, and the locations of Potential Generating Sites have also been included in this report. These maps are part of our GIS compendium and can be provided with more detail upon request. The City will continue to maintain these scores and will adjust as necessary for accuracy.

3.1.3 Continued Stream-Walking Program

City personnel from the Engineering Department are developing and conducting a stream-walking program within the City limits. During the initial phase of the program, the City will locate and identify outfalls and any illicit connections and discharges contributing pollutants into streams and/or the City's storm drainage system.

The City met its 2020-2021 reporting period goal of identifying outfalls. 41 outfalls were identified and a dry weather screening was conducted at each outfall. This brings the City's outfall total to 345. No illicit discharges or connections were observed during screening.

3.1.4 Annual Post Construction Inspection

Each year the City performs annual inspections on post construction controls to ensure that post construction BMPs are being maintained by the owners and are functioning as designed. Letters are then sent to the owner or responsible parties detailing any corrections or maintenance that will be needed. Follow up inspections are performed to ensure that items are addressed. This year annual inspections were made at 106 detention ponds.

3.1.5 Continued Storm Water Monitoring

The City's monitoring program assesses the effectiveness of the control measures and BMPs in reducing impacts from organic enrichment in Mill Creek. The intent of the monitoring program is to provide sufficient data for evaluation as to whether or not the quality of the receiving waters are sustaining or improving as a result of the control measures and BMPs. The City currently has 4 monitoring locations along Mill Creek and Holland Creek.

During the 2020-2021 reporting period, the City also recorded storm water rainfalls for 24 hour rain events. 55.3" of rain was recorded for the reporting year.

3.1.6 Steps toward agreement with the Chattahoochee River Conservancy

During the 2020-2021 reporting period, the Phenix City entered into a discussion with the Chattahoochee River Conservancy acknowledging terms to an agreement to help clean Phenix City tributaries to the Chattahoochee River. Proposed trash traps would be installed, maintained and operated in Mill and Holland Creek by the volunteers of the Chattahoochee River Conservancy. The agreement is being brought before the City Council during the 2021-2022 reporting period.

3.1.7 Reduction in Pollutants

Phenix City has four testing locations along Holland and Mill Creek. Samples are collected and sent to Auburn Environmental Consulting & Testing for the testing of CBOD, Orthophosphate, TKN, Nitrate & Nitrite, and total Phosphorus pollutants. During this reporting year the largest reductions in pollutants seen at all four testing locations included the CBOD and the total Phosphorus levels. Both CBOD and the total phosphorus levels contribute to strain on life in the creek ecosystem. CBOD leaches the dissolved oxygen in the water making it difficult for aquatic life to function. Excess phosphorus nutrients being washed into the creeks also contribute to an unhealthy water quality. The efforts performed in the previous years to get Mill Creek off the 303(d) list continue to produce positive results of a recovering creek ecosystem.

3.1.8 Upgrades to Efficiency

During this reporting period Phenix City started transitioning to electronic documentation. Bluebeam is a collaborative pdf editing software that enables multiple users to comment and edit storm water and erosion control plans. Inspection reports have started to become digital as well making the process and recording easier.

3.2 Overall Program Strengths/Weaknesses

The first strength of the City's Storm Water Management Program is the increased clarity provided with the adoption of the SWMPP and IDDE policies, and their relative ordinances, both approved in 2017. These policies have made both the goals of the storm water program, and the path to achieve these goals, more clear. The IDDE Ordinance and the Erosion and Sediment Control Policy have also established legal authority to more decisively regulate the control of pollutants and the permitting of land disturbances.

A second strength is our proactive approach to handling potential Storm Water issues and our ability to continue efficiency with our current resources. With each reporting period we are able to identify more areas within our program that need work and adjust our approach accordingly. Our relationships with contractors have allowed us to better prevent illicit discharges during and post construction.

The main weakness of the City's SWMPP remains the lack of staff dedicated to the implementation of the program. The Engineering Department manages the Storm Water Management Program responsibilities and the MS4 Permit. The majority of the work is currently handled by two people. One of these employees has been recently promoted, but remains involved in the management of the Storm Water Management Program. Even with a strain on resources, the City remains proactive in handling illicit discharges and other storm water management goals and is confident about the direction of the program.

A second challenge facing the program is the grey areas that exist in the maintenance of post construction BMPs. While the majority of our detention systems are being maintained by their owners, there are detention systems that have been allowed to return to ownership by the State and the City has had to take over maintenance of these ponds. We are also encountering ownership by limited liability corporations that have been dissolved since the completion of developments and other situations without definitive standard operating procedures. The City is currently working to develop policies and procedures to reduce these occurrences.

3.3 Future Direction of the Program

During the upcoming reporting period, the City plans to continue:

- The advancement of the Storm Water Management Program Plan and renewal of the MS4 Permit.
- The advancement of the Illicit Discharge Detection and Elimination Program
- The stream-walking program, locating and documenting outfalls in accordance with the Storm Water Management Program Plan and renewed MS4 Permit requirements.
- Ranking outfalls and identifying Priority Areas
- Working towards the development of a Post-Construction Storm Water Management Ordinance
- Working towards the development and review of a new Public Works Manual

4.0 Agency Certification

I certify under penalty of law that this document and all attachments pertaining to the City of Phenix City were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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 fine or imprisonment for knowing violations.

Eddie N. Lowe 5-11-21

Eddie N. Lowe, Mayor Date
City of Phenix City, Alabama

ATTEST:

Melony Lee 5-11-21

Melony Lee, City Clerk Date
City of Phenix City, Alabama

Wallace B. Hunter 5-11-21

Wallace B. Hunter, City Manager Date
City of Phenix City, Alabama

THE CITY OF PHENIX CITY

CONTROL MEASURE 1 - PUBLIC EDUCATION AND PUBLIC INVOLVEMENT

Narrative Report

ACTIVITY NO.	STRATEGIES	IMPLEMENTATION STATUS FOR REPORTING PERIOD	PROPOSED EFFORTS FOR NEXT REPORTING PERIOD	SUPPORTING DOCUMENTATION	COMMENTS/CHANGES	PROPOSED CHANGES MET
1	**Storm Water Web Page:** Maintain the Storm Water web page on the City's Website.	The City has updated and maintained the Storm Water web page on the City's website.	The City will continue maintaining and updating the Storm Water Webpage on the City's website.	https://phenixcityal.us/engineering-public-works/engineering/storm-water-management/	No proposed changes at this time.	Yes
2	**Annual Report and SWMPP Availability:** Provide the SWMPP and current Annual Report for public viewing on the City's website.	The City has posted the current copy of the SWMPP and the current copy of the 2020-2021 Annual Report on the City's webpage for viewing.	The City will continue to provide a copy of the current SWMPP and Annual Report for public viewing on the City's webpage.	https://phenixcityal.us/engineering-public-works/engineering/storm-water-management/	No proposed changes at this time.	Yes
3	**Storm Water Educational Material:** Develop and distribute educational materials to citizens and business owners by placement at City locations.	The City is currently distributing educational materials to citizens and business owners by placement at City locations. 60 brochures were distributed.	The City will continue looking for new educational materials to educate employees, citizens and business owners.	Copies of all education materials are available upon request.	No proposed changes at this time.	Yes
4	**Help the Hooch:** Promote and participate in the annual cleanup for the Chattahoochee River.	The City helped promote the Help the Hooch annual cleanup for the Chattahoochee River by advertising on the City's webpage and on City marquees. Public Works hauled trash and debris that was pulled out of the river from the event.	The City will continue advertising and participating in the Help the Hooch annual cleanup.	Amount of trash and debris are included in the Solid Waste quarterly report of volume. Copies of the quarterly report are available upon request.	No proposed changes at this time.	Yes
5	**Riverwalk Cleanup:** Cleanup and maintenance of the 1.1-mile Riverwalk structure.	The Parks and Recreation Department maintains the 1.1-mile Riverwalk structure.	The Parks and Recreation Department will continue maintaining the 1.1-mile Riverwalk structure.	Amount of trash and debris are recorded in the Solid Waste quarterly report of volume. Copies of the quarterly report are available upon request.	No proposed changes at this time.	Yes
6	**Partnerships in Educational and Public Involvement Events:** Partner with Auburn University, EPA, and ADEM to improve Mill Creek, distribute educational materials and promote events.	The City distributes educational material quarterly and promotes events on City marquees. Inspired by the accomplishments evident with the completion of the Mill Creek Project, the City is currently researching new opportunities and partnerships.	The City will look for new ways to help improve Mill Creek by distributing new educational material and continue to volunteer and promote events.	The City publishes newsletters giving helpful tips and ways to reduce pollution within the City's waterways.	No proposed changes at this time.	Yes

7	**Recycling Center:** Manage drop-off facilities at 1100 Airport Road and 709 12th Street	The City is currently managing both drop-off facilities. 115.21 tons of recyclables were reported for the 2020-2021 reporting period.	The City will continue managing the recycling drop-off locations. The City is currently investigating a Possible location for a 3rd Recycling Center to promote and encourage more recycling.	**https://phenixcityal.us/engineering-public-works/public-works-division/recycling-centers/**	No proposed changes at this time.	Yes
8	**Public Reporting and Tracking System:** Provide a contact number on the City's Storm Water Management webpage for the public to provide input on the development, revision, and implementation of the SWMPP.	The City currently has contact information on the Storm Water Management webpage for the public to provide input on the development, revision, and implementation of the SWMPP.	This activity's implementation status has proven to be effective and will continue to provide input on the development, revision, and implementation of the SWMPP.	**https://phenixcityal.us/action-center/** **https://phenixcityal.us/engineering-public-works/engineering/storm-water-management/**	No proposed changes at this time.	Yes

THE CITY OF PHENIX CITY
CONTROL MEASURE 2 - ILLICIT DISCHARGE DETECTION AND ELIMINATION
Narrative Report

ACTIVITY NO.	STRATEGIES	IMPLEMENTATION STATUS FOR REPORTING PERIOD	PROPOSED EFFORTS FOR NEXT REPORTING PERIOD	SUPPORTING DOCUMENTATION	COMMENTS/CHANGES	PROPOSED CHANGES MET
1	**Identify Priority Areas:** Evaluate the drainage basins and determine the Priority Areas for the reporting period.	The City is actively evaluating drainage areas to determine the Priority Areas.	The City will continue evaluating drainage areas to establish Priority Areas.	The City has included a chart with the Illicit discharge potential for each drainage basin. The City will continue to update the chart.	No proposed changes at this time.	Yes
2	**Outfall Identification:** Implement a stream-walking program to identify outfalls and reevaluate known outfalls.	The City continues to implement The stream-walking program to Identify outfalls and re-evaluate any Known outfalls. 41 outfalls for 2020-2021. 3.5 miles (cumulative) walked for 2020-2021. 345 total outfalls located/identified since permit renewal.	The City will continue implementing a stream-walking program to identify outfalls and re-evaluate any known outfalls.	The City will report the number of outfalls identified and The stream length walked that reporting period. All located outfalls will be added to the City's outfall location map.	No proposed changes at this time.	Yes Goal for outfalls met for this permit cycle.
3	**Probable Outfall Verification:** Add probable outfalls to the Storm Sewer System Map and label as unverified. Verify outfalls within 18 months.	The City receives as-built surveys of new developments and field verifies outfalls prior to acceptance into the City of Phenix City maintenance program. 0 probable outfalls. 0 outfalls verified.	The City will continue to field verify outfalls that are identified on as-built surveys received and locate the identified outfalls in GIS. The City will continue to map probable outfalls.	The City will report the number of probable outfalls that were verified during the reporting period.	No proposed changes at this time.	Yes Goal for outfalls met for this permit cycle.
4	**Outfall Reconnaissance Inventory:** Conduct dry weather monitoring of 15% of major outfalls in Priority Areas.	The City has located and inspected 41 outfalls. Dry weather monitoring activities may be combined with outfall verification as described in Activity 3.	The City will continue dry weather monitoring and report the number outfalls inspected during the reporting period.	Outfall Reconnaissance Inventory Field Sheets will be available upon request.	No proposed changes at this time.	Yes Goal for outfalls met for this permit cycle.
5	**Suspect Discharge Sampling:** Field crews will collect samples of suspected illicit discharges for laboratory analysis.	0 suspect illicit discharges were investigated.	The City will continue sampling any suspected discharges observed during scheduled inspections.	If any suspect discharges are identified, the outfall will be sampled and the City will report the laboratory analysis results for the collected samples.	No proposed changes at this time.	Yes Goal for outfalls met for this permit cycle.
6	**Outfall Ranking:** Designate the inspected outfalls as having obvious, suspect, possible, or unlikely discharge potential based on data from each ORI Field Sheet.	41 outfalls were located and designated as having unlikely discharge potential.	The City will Continue to designate rankings of outfalls based on investigations, scheduled inspections and results from the ORI Field Sheet.	If any discharges are identified, a laboratory analysis will be available upon request.	No proposed changes at this time.	Yes Goal for outfalls met for this permit cycle.
7	**Discharge Investigation:** Illicit discharge investigations will be performed to determine the source of a discharge problem.	1 suspect discharge was identified and laboratory analysis was not required for identification of discharge source.	The City will continue to investigate all illicit discharges and determine the source of the discharge problem.	If any source of discharges are determined the City will report the number of investigations and the number of confirmed reported discharges during the reporting period.	No proposed changes at this time.	Yes Goal for outfalls met for this permit cycle.

8	**Corrective Action Record Keeping:** Create a case log detailing pertinent information for each identified suspect illicit discharge or illicit connection.	The City is developing a case log detailing pertinent information for each identified illicit discharge or illicit connection. 1 reported illicit discharge. 1 reported corrective action.	The City will maintain a case log for each identified illicit discharge or illicit connection and the corrected actions taken.	If any illicit discharges are reported, the City will report the number of confirmed corrective actions that were taken during the reporting period.	No proposed changes at this time.	Yes
9	**Update Storm Water System Map - Existing Features:** Update the existing Storm Water System Map as new outfalls are identified and BMPs are added.	The City is currently updating it's existing Storm Water System Map as new outfalls are identified and as new BMPs are added.	The City will continue updating it's Storm Water System Map and state whether updates were made and, if needed, provide an updated Storm Water System Map showing the features added during the reporting period.	The City will provide a current copy of the Storm Water System Map each reporting period.	No proposed changes at this time.	Yes Goal for outfalls met for this permit cycle.
10	**Update Storm Water System Map - Future Additions:** Proposed additions to the City MS4, including new storm sewer and drainage ditches, will be mapped based on the civil plans provided to the City.	The City is currently updating it's existing Storm Water System Map with proposed additions from as-built surveys submitted of new development features and conveyances. New outfalls are verified after construction is complete. 16 new construction plans were submitted to the City. 0 new outfalls were verified.	The City will continue updating it's Storm Water System Map and state whether updates were made and, if needed, provide an updated Storm Water System Map showing the features, conveyances or outfalls added during the reporting period.	The City will provide a current copy of the Storm Water System Map each reporting period.	No proposed changes at this time.	Yes Goal for outfalls met for this permit cycle.
11	**Evaluate IDDE Ordinance:** IDDE Ordinance Chapter 10 ½ Storm Water Management was approved on February 7, 2017 and will define illicit discharge and responsibility. Evaluate the effectiveness of the Ordinance each reporting period.	The City's IDDE Ordinance 10 ½ Storm Water Management was approved and adopted on February 7th, 2017. This reporting period, the City had: 4 potential qualifying new businesses. 1 complaint received. 1 illicit discharges identified. 5 resolved potential violations. 0 repeat offenders 0 notice letters sent	The City will evaluate the Ordinance to determine the effectiveness in addressing identified illicit discharges and preventing repeat offenders. The City will report the number of complaints received, number of illicit discharges identified during the reporting period, the number of resolved violations, the number of repeat offenders, and the number of enforcement actions.	If any illicit discharges are reported, the City will report the number of confirmed corrective actions that were taken during the reporting period.	No proposed changes at this time.	Yes
12	**Distribute Storm Water Educational Material:** Distribute educational materials to the public, highlighting identification and reporting of potential illicit discharges.	The City is currently distributing Educational material to the public, highlighting identification and reporting of potential illicit discharges.	The City will continue distributing educational material to the public, highlighting identification and reporting of potential illicit discharges.	The City will provide copies of distributed educational material during the reporting period.	No proposed changes at this time.	Yes

13	**Public Reporting and Tracking:** Provides a phone number and electronic form on website for public to report non-compliant construction sites, illicit discharges, impaired waters, and ordinance violations.	The City currently provides a contact number on the City's Storm Water Management webpage for the public to report non-compliant construction sites, illicit discharges (including spills or illegal dumping), impaired waterways, and violations of ordinances relating to storm water pollution. 1 Illicit discharge complaint was received.	The City will continue to provide reporting methods and provide educational materials on the storm water webpage. The City will evaluate the current public reporting and tracking methods annually to determine effectiveness of public reporting.	**https://phenixcityal.us/action-center/** **https://phenixcityal.us/engineering-public-works/engineering/storm-water-management/**	No proposed changes at this time.	Yes
14	**Municipal Training:** Train City personnel on the identification of illicit discharges, procedures for reporting illicit discharges, and prevention of storm water pollution at facilities.	The City is implementing training material for the identification of illicit discharges, procedures for reporting illicit discharges, and prevention of storm water pollution at the City's facilities. 56 City employees attended municipal training sessions during The 2020-2021 reporting period.	Municipal training for all facility employees will continue annually.	The City will keep attendance records and report the number of municipal workers trained during the reporting period. Attendance records are available upon request.	No proposed changes at this time.	Yes
15	**Storm Water Monitoring Locations:** Update existing Storm Water System Map with storm water monitoring locations.	The City has updated it's Storm Water System Map with the current storm water monitoring locations.	Storm water monitoring at these locations have proven to be effective for determining storm water quality and the City will continue monitoring for each reporting period.	The City will provide a Storm Water System Map showing the locations during the reporting period.	No proposed changes at this time.	Yes
16	**Evaluation of Monitoring Data:** Evaluate the collected monitoring data and make recommendations to add and/or modify monitoring points.	The City currently monitors four (4) locations along Mill Creek and Holland Creek. No abnormal data has been detected.	The City will continue to evaluate the effectiveness of the monitoring locations.	The City will report which monitoring points appear to have relatively higher pollutant loads. The City may add and/or modify monitoring points to better characterize discharges from the MS4.	No proposed changes at this time.	Yes
17	**NPDES Industrial Permitting:** Obtain information pertaining to permitted facilities and incorporate into the Storm Water System Map and report unpermitted facilities.	The City will evaluate and obtain information pertaining to permitted facilities and incorporate into the Storm Water System Map and report unpermitted facilities. Unpermitted facilities that require an NPDES permit will be reported to the Industrial Section of the ADEM in Montgomery, Alabama. 0 Unpermitted facilities were reported.	The City will continue to evaluate and obtain information pertaining to permitted facilities and incorporate into the Storm Water System Map and continue to report unpermitted facilities. Any unpermitted facilities will be Reported to ADEM.	The City will provide the number of Unpermitted facilities reported to ADEM during the reporting period.	No proposed changes at this time.	Yes

THE CITY OF PHENIX CITY
CONTROL MEASURE 3 - CONSTRUCTION SITE STORM WATER RUNOFF
Narrative Report

ACTIVITY NO.	STRATEGIES	IMPLEMENTATION STATUS FOR REPORTING PERIOD	PROPOSED EFFORTS FOR NEXT REPORTING PERIOD	SUPPORTING DOCUMENTATION	COMMENTS/CHANGES	PROPOSED CHANGES MET
1	**Erosion and Sediment Control Ordinance:** The City's Erosion and Sedimentation Control Policy gives authority for City to implement its Construction Site Storm Water Runoff Program. Evaluate the effectiveness of the Policy each reporting period.	The City is currently implementing and evaluating the effectiveness of it's Construction Site Storm Water Runoff Program set forth by the Erosion and Sedimentation Control Policy, adopted in Ordinance 2007-07 dated February 21, 2007. 0 non-compliant construction sites identified by the City. 0 enforcement action taken 0 sites reported to ADEM. 0 repeat offenders.	The City will continue to implement and evaluate the effectiveness of it's Construction Site Storm Water Runoff Program set forth by the Erosion and Sedimentation Control Policy, adopted in Ordinance 2007-07 dated February 21, 2007. The City will evaluate the effectiveness of the Policy during each reporting period**.** If changes are warranted, a new or revised ordinance will be approved and implemented by the City Council.	The City has copies of non-Compliant letters available upon Request. **https://phenixcityal.us/engineering-public-works/engineering/storm-water-management/**	No proposed changes at this time.	Yes
2	**Sediment and Erosion Control Plan Review:** Review Sediment and Erosion Control Plans for all permit applications.	The City currently reviews the Sediment and Erosion Control Plans for all permit applications. Plan review ensures proposed projects adequately address the City's erosion, sediment, and pollution control requirements and takes into consideration what potential impacts to water quality the project may have. 16 plans have been submitted. 16 plans have been reviewed. 16 plans have been approved. 0 plans have been denied. 16 plans that meet the requirements of the Alabama Construction General Permit.	The City will continue to Review Sediment and Erosion Control Plans for all permit applications.	Copies of Sediment and Erosion Control Plans will be available upon request.	No proposed changes at this time.	Yes
3	**Construction Site Inspection Program:** Conduct inspections of qualifying construction sites within 60 days of initial disturbance, periodically during construction, and following stabilization.	Designated City personnel inspect all qualifying construction sites after initial disturbance, once a month or after each qualifying rain event during construction, and following stabilization. A combined 621 inspection reports, directly concerning ESC or storm water issues, were created between all Engineering Dept. inspectors. 0 non-compliant construction sites identified by the City. 0 enforcement actions taken. 0 non-compliant construction sites are repeat offenders.	Designated City personnel will continue to inspect all qualifying construction sites after initial disturbance, once a month or after each qualifying rain event during construction, and following stabilization.	The city has provided an example of an inspection conducted during the reporting period. The City has a list of construction sites and copies of inspection reports available upon request.	No proposed changes at this time.	Yes

4	**BMP Training Program:** Conduct annual training for City inspectors and reviewers.	City personnel currently continue annual Qualified Credentialed Inspectors (QCIs) and storm water awareness refresher courses for personnel conducting BMP inspections. Paul Chastain (QCI #T0716), Bo Greene (QCI #T5719) Jimmy Cook (QCI #T6191) Richard Carlson (QCI#63899) QCI certifications were maintained through the approval annual refresher courses. Paul Chastain (CSI Certificate #8867) Has completed the requirements for Certified Stormwater Inspector	The City will continue annual Qualified Credentialed Inspectors (QCIs) and storm water awareness refresher courses for personnel conducting BMP inspections.	The City has provided copies of the QCI certificates and/or records of awareness training received during the reporting period.	No proposed changes at this time.	Yes
5	**Public Reporting and Tracking:** Provides a phone number and electronic form on website for public to report non-compliant construction sites, illicit discharges, impaired waters, and ordinance violations.	The City currently provides a phone number and electronic forms on the City's webpage for the public to report: - Non-compliant construction sites - Illicit discharges - Impaired waters - Ordinance violations. 9 inquiries received. 9 complaints addressed. 8 complaints resolved.	The City will continue to provide a phone number and electronic forms on the City's webpage for the public to report: - Non-compliant construction sites - Illicit discharges - Impaired waters - Ordinance violations.	**https://phenixcityal.us/action-center/** **https://phenixcityal.us/engineering-public-works/engineering/storm-water-management/**	No proposed changes at this time.	Yes
6	**Notify ADEM of Non-Compliant Sites:** The City will notify ADEM of any construction sites where a possible violation of the Clean Water Act has occurred.	The City will notify ADEM of any construction sites where a possible violation of the Clean Water Act has occurred. 0 non-compliant construction sites were reported to ADEM.	The City will continue to notify ADEM of any construction sites where a possible violation of the Clean Water Act has occurred.	No documents available at this time.	No proposed changes at this time.	Yes

THE CITY OF PHENIX CITY
CONTROL MEASURE 4 - POST-CONSTRUCTION STORM WATER MANAGEMENT
Narrative Report

ACTIVITY NO.	STRATEGIES	IMPLEMENTATION STATUS FOR REPORTING PERIOD	PROPOSED EFFORTS FOR NEXT REPORTING PERIOD	SUPPORTING DOCUMENTATION	COMMENTS/CHANGES	PROPOSED CHANGES MET
1	**Post-Construction Storm Water Management Policy:** City's Erosion and Sediment Control Policy allows the City to enforce the design and implementation of post construction storm water management BMPs. Evaluate the effectiveness of the Policy each reporting period.	The City is currently implementing and evaluating the effectiveness of it's Post Construction Site Storm Water Runoff Program set forth by the Erosion and Sedimentation Control Policy, adopted in Ordinance 2007-07 dated February 21, 2007. 16 plans have been submitted and include measures to reduce runoff volume.	The City is in the process of implementing and updating a Post Construction Site Storm Water Runoff Program.	A copy of the Erosion and Sediment Control Policy is available upon request, or it can be viewed on the City's Storm Water Webpage at: https://phenixcityal.us/engineering-public-works/engineering/storm-water-management/	The City will develop a separate Post-Construction Storm Water Ordinance	In Progress
2	**Long-Term Maintenance for Storm Water Controls:** Erosion and Sediment Control Policy allows City to ensure long-term operation and maintenance of storm water management BMPs. Evaluate the effectiveness of the Policy each reporting period.	The City currently implements the Erosion and Sediment Control Policy to ensure adequate long-term operation and maintenance of post construction storm water management BMPs.	The City will continue to implement The Erosion and Sediment Control Policy and evaluate its effectiveness each reporting period. The City is in the process of developing a post construction storm water maintenance agreement.	Copies of plans and agreements are available upon request.	No proposed changes at this time.	In Progress
3	**Evaluate Obstacles to Low Impact/Green Development:** Review and evaluate policies and ordinances to identify regulatory and policy impediments to the installation of green infrastructure and low-impact development techniques.	The City does not currently evaluate, have a policy or have an ordinance to identify regulatory and policy impediments to the installation of green infrastructure and low-impact development techniques.	The City will review and evaluate policies and ordinances related to building codes, or other local regulations, with a goal of identifying regulatory and policy impediments to the installation of green infrastructure and low-impact development techniques.	No documents available at this time.	No proposed changes at this time.	Yes
4	**Plan Review:** Review sediment and erosion control plans and storm water management plans for all new construction prior to approval or denial of permit application.	The City currently reviews sediment and erosion control plans and storm water management plans for all new construction prior to approval or denial of permit application. 16 plans were submitted for review.	The City will continue to review Sediment and erosion control plans and storm water management plans for all new construction prior to approval or denial of permit application.	Copies of plans are available for review upon request.	No proposed changes at this time.	Yes

5	**Post Construction Site Inspection Program:** Inspect post-construction controls after stabilization is complete to confirm post-construction storm water measures/structures have been installed according to the submitted plan. Annually inspect each site to confirm post-construction BMPs are functioning as designed. Evaluate the effectiveness of the inspection program.	Designated personnel currently inspects post-construction controls after stabilization is complete to confirm post-construction storm water measures/structures have been installed according to the submitted plan. 106 detention ponds were inspected. 2 new detention ponds were installed.	Designated personnel will continue to inspect post-construction controls after stabilization is complete to confirm post-construction storm water measures/structures have been installed according to the submitted plan.	The City will maintain inspection documentation for review upon request.	No proposed changes at this time.	Yes
6	**Post-Construction Structural Controls Inventory:** Update an inventory of post-construction structural controls including those owned by the City.	The City will compile an inventory of post-construction structural controls including those owned by the City.	The City will continue maintaining an inventory of post-construction structural controls including those owned by the City.	The City will maintain an inventory of post-construction structural controls including those owned by the City. Documents are available upon request.	No proposed changes at this time.	Yes

THE CITY OF PHENIX CITY

CONTROL MEASURE 5 - POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

Narrative Report

ACTIVITY NO.	STRATEGIES	IMPLEMENTATION STATUS FOR REPORTING PERIOD	PROPOSED EFFORTS FOR NEXT REPORTING PERIOD	SUPPORTING DOCUMENTATION	COMMENTS/CHANGES	PROPOSED CHANGES MET
1	**Municipal Facilities:** Maintain a list of municipal facilities that have the potential to discharge pollutants through storm water runoff. Inspect facilities for good housekeeping practices.	The City has 11 municipal facilities that have the potential to discharge pollutants through storm water runoff and inspects these facilities quarterly for good housekeeping practices. 0 Deficiencies Noted	Continue monitoring the municipal facilities for good housekeeping and storm water pollution prevention through a municipal quarterly BMP inspection checklist.	The City has provided an example municipal quarterly BMP inspection checklist. Copies of municipal quarterly BMP inspection checklist are available upon request.	No proposed changes at this time.	Yes
2	**Employee Training:** Training program for municipal employees that focuses on pollution prevention, good housekeeping, illicit discharge identification, and other threats to storm water quality.	The City developed training material for pollution prevention, good housekeeping, illicit discharge identification, and other threats to storm water quality. 56 City employees attended municipal training sessions during the 2020-2021 reporting period.	Municipal training will continue annually.	The City will keep attendance records and report the number of municipal workers trained during the reporting period. Attendance records are available upon request.	No proposed changes at this time.	Yes
3	**Vehicle Maintenance Program:** Conduct routine inspections of municipal vehicles and equipment.	The City conducts routine inspections of municipal vehicles and equipment.	Continue routine inspections of municipal vehicles and equipment.	The City's inspections of municipal vehicles and equipment is logged through PubWorks and copies of inspections are available upon request.	No proposed changes at this time.	Yes
4	**Litter and Debris Pickup Policy:** City Ordinance Section 12-5 provides curbside collection of limbs and debris on a weekly basis.	Per City Ordinance Section 12-5, The City is currently providing a curbside pickup of limbs and debris on a weekly basis. 3,168 tons of limbs and debris were reported for the 2020-2021 reporting period.	The City will continue providing a curbside pickup of limbs and debris on a weekly basis.	Copies of City's solid waste quarterly reports are available upon request. The City's Limb and Debris Pickup Policy can be reviewed at: **https://phenixcityal.us/engineering-public-works/public-works-division/limbs-debris/**	No proposed changes at this time.	Yes
5	**Large Item Pickup Policy:** City Ordinance Section 12-5 provides curbside collection of miscellaneous metals, appliances, furniture, and yard waste on a weekly basis.	The City is currently providing a curbside pickup collection of miscellaneous metals, appliances, furniture, and yard waste on a weekly basis. The amount of curbside pickup is included in the solid waste quarterly report.	The City will continue providing a curbside pickup collection of miscellaneous metals, appliances, furniture, and yard waste on a weekly basis.	Copies of City's solid waste quarterly reports are available upon request. The City's Limb and Debris Pickup Policy can be reviewed at: **https://phenixcityal.us/engineering-public-works/public-works-division/limbs-debris/**	No proposed changes at this time.	Yes

6	**Litter, Floatables, and Debris - Recycling Program:** Manage drop-off facilities at 1100 Airport Road and 709 12th Street. Manage tire removal program.	The City manages a voluntary recycling program. The City offers two drop-off locations within the City. This program is advertised on the City website. The materials accepted as part of this program are provided on the website. 115.21 tons of recyclables were reported for the 2020-2021 reporting period. Approximately 4,138 tires were removed during the reporting period.	The City will continue to manage a voluntary recycling program. The City offers two drop-off locations within the City. This program is advertised on the City website. The materials accepted as part of this program are provided on the website as well. The City will evaluate and consider the addition of a third recycling location.	Quarterly reports for recyclables are available upon request. **https://phenixcityal.us/engineering-public-works/public-works-division/recycling-centers/**	No proposed changes at this time.	Yes

Appendix I – Figures

Outfall Number	Latitude	Longitude	Description	Stream
Outfall 1	32.520469	-85.066078	DITCH	HOLLAND CREEK
Outfall 2	32.510986	-85.049103	DITCH	HOLLAND CREEK
Outfall 3	32.510853	-85.049214	DITCH	HOLLAND CREEK
Outfall 4	32.501694	-85.038222	36" RCP	HOLLAND CREEK
Outfall 5	32.501858	-85.038172	18" RCP	HOLLAND CREEK
Outfall 6	32.502128	-85.038389	DITCH	HOLLAND CREEK
Outfall 7	32.490183	-84.998906	24" CONCRETE PIPE	UNNAMED TRIBUTARY
Outfall 8	32.490228	-84.998919	FLUME	UNNAMED TRIBUTARY
Outfall 9	32.490203	-84.998822	FLUME	UNNAMED TRIBUTARY
Outfall 10	32.490983	-84.996614	24" RCP	CHATAHOOCHEE RIVER
Outfall 11	32.490522	-84.996544	18" CONCRETE PIPE	CHATAHOOCHEE RIVER
Outfall 12	32.490036	-85.000164	18" CMP	UNNAMED TRIBUTARY
Outfall 13	32.489203	-85.001819	18" CONCRETE PIPE	UNNAMED TRIBUTARY
Outfall 14	32.489189	-85.001806	FLUME	UNNAMED TRIBUTARY
Outfall 15	32.489142	-85.001819	18" CONCRETE PIPE	UNNAMED TRIBUTARY
Outfall 16	32.489181	-85.001625	18" CONCRETE PIPE	UNNAMED TRIBUTARY
Outfall 17	32.489244	-85.001658	18" CONCRETE PIPE	UNNAMED TRIBUTARY
Outfall 18	32.489158	-85.005019	18" CONCRETE PIPE	UNNAMED TRIBUTARY
Outfall 19	32.489472	-85.006853	36" CONCRETE PIPE	UNNAMED TRIBUTARY
Outfall 20	32.490567	-85.026297	(2) 30" RCP	HOLLAND CREEK
Outfall 21	32.513681	-85.027664	42" CMP	HOLLAND CREEK
Outfall 22	32.513683	-85.027600	DITCH	HOLLAND CREEK
Outfall 23	32.503319	-85.034314	DITCH	UNNAMED TRIBUTARY
Outfall 24	32.504250	-85.034106	DITCH	UNNAMED TRIBUTARY
Outfall 25	32.502442	-85.034425	FLUME	UNNAMED TRIBUTARY
Outfall 26	32.502306	-85.034417	FLUME	UNNAMED TRIBUTARY
Outfall 27	32.478350	-85.049522	24" RCP	MILL CREEK
Outfall 28	32.491567	-85.042697	DITCH	MILL CREEK
Outfall 29	32.490244	-85.037231	DITCH	MILL CREEK
Outfall 30	32.490050	-85.037203	FLUME	MILL CREEK
Outfall 31	32.490150	-85.037392	FLUME	MILL CREEK
Outfall 32	32.490358	-85.037378	FLUME	MILL CREEK
Outfall 33	32.491778	-85.033092	DITCH	HOLLAND CREEK

Outfall 34	32.491928	-85.033239	FLUME	HOLLAND CREEK
Outfall 35	32.491981	-85.033083	DITCH	HOLLAND CREEK
Outfall 36	32.491917	-85.033017	DITCH	HOLLAND CREEK
Outfall 37	32.483475	-85.028461	24" RCP	HOLLAND CREEK
Outfall 38	32.483978	-85.027750	24" RCP	HOLLAND CREEK
Outfall 39	32.514572	-85.003631	24" RCP	CHATAHOOCHEE RIVER
Outfall 40	32.514514	-85.004131	24" RCP	CHATAHOOCHEE RIVER
Outfall 41	32.514181	-85.004756	24" RCP	CHATAHOOCHEE RIVER
Outfall 42	32.514525	-85.004619	DITCH	CHATAHOOCHEE RIVER
Outfall 43	32.514597	-85.004547	BOAT RAMP	CHATAHOOCHEE RIVER
Outfall 44	32.434822	-85.012436	DITCH	COCHGALECHEE CREEK
Outfall 45	32.488878	-85.033781	FLUME	MILL CREEK
Outfall 46	32.489225	-85.034119	FLUME	MILL CREEK
Outfall 47	32.489100	-85.034406	CURB INLET	MILL CREEK
Outfall 48	32.489000	-85.034725	FLUME	MILL CREEK
Outfall 49	32.489031	-85.035522	24" CONCRETE PIPE	MILL CREEK
Outfall 50	32.507547	-85.004239	FLUME	CHATAHOOCHEE RIVER
Outfall 51	32.463653	-84.998917	24" RCP	CHATAHOOCHEE RIVER
Outfall 52	32.463278	-84.998956	24" CONCRETE PIPE	CHATAHOOCHEE RIVER
Outfall 53	32.463228	-84.998956	24" CONCRETE PIPE	CHATAHOOCHEE RIVER
Outfall 54	32.453925	-84.996019	DITCH	CHATAHOOCHEE RIVER
Outfall 55	32.433819	-84.992158	30" CONCRETE PIPE	COCHGALECHEE CREEK
Outfall 56	32.433825	-84.992125	24" RCP	COCHGALECHEE CREEK
Outfall 57	32.434311	-84.992367	24" CMP	COCHGALECHEE CREEK
Outfall 58	32.434333	-84.992350	24" CMP	COCHGALECHEE CREEK
Outfall 59	32.471136	-84.997647	18" RCP	CHATAHOOCHEE RIVER
Outfall 60	32.472006	-84.997347	15" RCP	CHATAHOOCHEE RIVER
Outfall 61	32.472525	-84.997186	12" RCP	CHATAHOOCHEE RIVER
Outfall 62	32.473381	-84.996956	36" RCP	CHATAHOOCHEE RIVER
Outfall 63	32.474194	-84.996297	24" RCP	CHATAHOOCHEE RIVER
Outfall 64	32.474103	-84.996383	36" RCP	CHATAHOOCHEE RIVER
Outfall 65	32.474642	-84.995864	36" RCP	CHATAHOOCHEE RIVER
Outfall 66	32.475569	-84.995711	18" RCP	CHATAHOOCHEE RIVER
Outfall 67	32.477058	-84.995553	24" CMP	CHATAHOOCHEE RIVER

Outfall 68	32.478169	-84.995558	24" CMP	CHATAHOOCHEE RIVER
Outfall 69	32.478622	-84.995336	FLUME	CHATAHOOCHEE RIVER
Outfall 70	32.480781	-84.995283	18" CMP	CHATAHOOCHEE RIVER
Outfall 71	32.506703	-85.003631	48" RCP	UNNAMED TRIBUTARY
Outfall 72	32.506625	-85.003536	12' CULVERT	UNNAMED TRIBUTARY
Outfall 73	32.497017	-85.034225	MONITORING LOCATION 1	HOLLAND CREEK
Outfall 74	32.468581	-85.006019	18" RCP	HOLLAND "MILL" CREEK
Outfall 75	32.468711	-85.006247	18" RCP	HOLLAND "MILL" CREEK
Outfall 76	32.471231	-85.009125	18" RCP	HOLLAND "MILL" CREEK
Outfall 77	32.471453	-85.009214	24" CLAY PIPE	HOLLAND "MILL" CREEK
Outfall 78	32.471256	-85.009506	24" RCP	HOLLAND "MILL" CREEK
Outfall 79	32.488050	-85.060822	MONITORING LOCATION 3	MILL CREEK
Outfall 80	32.465211	-84.998792	DITCH	HOLLAND "MILL" CREEK
Outfall 81	32.465214	-84.998992	DITCH	HOLLAND "MILL" CREEK
Outfall 82	32.465179	-84.999224	FLUME	HOLLAND "MILL" CREEK
Outfall 83	32.465481	-84.002677	24" CONCRETE PIPE	HOLLAND "MILL" CREEK
Outfall 84	32.467650	-84.002130	36" CONCRETE PIPE	HOLLAND "MILL" CREEK
Outfall 85	32.467740	-84.002221	4" PVC PIPE	HOLLAND "MILL" CREEK
Outfall 86	32.467769	-85.002291	36" CONCRETE PIPE	HOLLAND "MILL" CREEK
Outfall 87	32.468290	-85.003570	96" CMP	HOLLAND "MILL" CREEK
Outfall 88	32.467601	-85.002677	FLUME	HOLLAND "MILL" CREEK
Outfall 89	32.449090	-85.029244	24" RCP	UNNAMED TRIBUTARY
Outfall 90	32.467810	-85.003965	DITCH	HOLLAND "MILL" CREEK
Outfall 91	32.468470	-85.004785	24" CONCRETE PIPE	HOLLAND "MILL" CREEK
Outfall 92	32.449133	-85.029175	DITCH	UNNAMED TRIBUTARY
Outfall 93	32.470700	-85.004040	24" CONCRETE PIPE	HOLLAND "MILL" CREEK
Outfall 94	32.470321	-85.015066	DRAIN INLET	UNNAMED TRIBUTARY
Outfall 95	32.470320	-85.015060	6" PIPE	UNNAMED TRIBUTARY
Outfall 96	32.470250	-85.015200	6" PIPE	UNNAMED TRIBUTARY
Outfall 97	32.470250	-85.015195	DRAIN INLET	UNNAMED TRIBUTARY
Outfall 98	32.470140	-85.015380	24" CONCRETE PIPE	UNNAMED TRIBUTARY
Outfall 99	32.471010	-85.014691	DRAIN INLET	UNNAMED TRIBUTARY
Outfall 100	32.471090	-85.014630	24" CONCRETE PIPE	UNNAMED TRIBUTARY
Outfall 101	32.471067	-85.014614	DRAIN INLET	UNNAMED TRIBUTARY

Outfall 102	32.471069	-85.014723	24" CONCRETE PIPE	UNNAMED TRIBUTARY
Outfall 103	32.469840	-85.013920	24" CONCRETE PIPE	UNNAMED TRIBUTARY
Outfall 104	32.469850	-85.013850	24" CONCRETE PIPE	UNNAMED TRIBUTARY
Outfall 105	32.488361	-85.030111	DITCH/TRIBUTARY CREEK	HOLLAND "MILL" CREEK
Outfall 106	32.479991	-85.026190	15" RCP	HOLLAND "MILL" CREEK
Outfall 107	32.478850	-85.023311	36" CMP	HOLLAND "MILL" CREEK
Outfall 108	32.478720	-85.021264	FLUME	HOLLAND "MILL" CREEK
Outfall 109	32.474402	-85.017163	24" RCP	HOLLAND "MILL" CREEK
Outfall 110	32.467072	-85.001814	MONITORING LOCATION 2	HOLLAND "MILL" CREEK
Outfall 111	32.488556	-85.030772	MONITORING LOCATION 4	HOLLAND/MILL CREEK
Outfall 112	32.484768	-85.028844	24" RCP	HOLLAND "MILL" CREEK
Outfall 113	32.473952	-85.026133	FLUME	UNNAMED TRIBUTARY
Outfall 114	32.473971	-85.026100	FLUME	UNNAMED TRIBUTARY
Outfall 115	32.473942	-85.026083	18" RCP	UNNAMED TRIBUTARY
Outfall 116	32.474101	-85.026100	30" RCP	UNNAMED TRIBUTARY
Outfall 117	32.474112	-85.026587	18" CMP	UNNAMED TRIBUTARY
Outfall 118	32.473904	-85.028302	14" HDP	UNNAMED TRIBUTARY
Outfall 119	32.474009	-85.028801	12" RCP	UNNAMED TRIBUTARY
Outfall 120	32.472869	-85.031381	16" CMP	UNNAMED TRIBUTARY
Outfall 121	32.472714	-85.031582	36"CMP	UNNAMED TRIBUTARY
Outfall 122	32.474010	-85.025948	FLUME	UNNAMED TRIBUTARY
Outfall 123	32.472453	-85.025778	FLUME	UNNAMED TRIBUTARY
Outfall 124	32.472633	-85.025740	FLUME	UNNAMED TRIBUTARY
Outfall 125	32.473367	-85.025262	18" CONCRETE PIPE	UNNAMED TRIBUTARY
Outfall 126	32.473520	-85.024956	FLUME	UNNAMED TRIBUTARY
Outfall 127	32.473830	-85.023483	48" CMP	UNNAMED TRIBUTARY
Outfall 128	32.473921	-85.023044	4" CLAY	UNNAMED TRIBUTARY
Outfall 129	32.474367	-85.021936	18" RCP	UNNAMED TRIBUTARY
Outfall 130	32.474349	-85.021855	18" RCP	UNNAMED TRIBUTARY
Outfall 131	32.474578	-85.021562	18" RCP	UNNAMED TRIBUTARY
Outfall 132	32.474551	-85.021583	18" RCP	UNNAMED TRIBUTARY
Outfall 133	32.475708	-85.019699	18" RCP	UNNAMED TRIBUTARY
Outfall 134	32.475652	-85.018919	24" CMP	UNNAMED TRIBUTARY
Outfall 135	32.473680	-85.029251	24" RCP	UNNAMED TRIBUTARY

Outfall 136	32.471830	-85.033148	18" RCP	UNNAMED TRIBUTARY
Outfall 137	32.471806	-85.033098	18" RCP	UNNAMED TRIBUTARY
Outfall 138	32.473182	-85.033211	18" RCP	UNNAMED TRIBUTARY
Outfall 139	32.505976	-85.034120	18" RCP	UNNAMED TRIBUTARY
Outfall 140	32.504709	-85.034496	18" RCP	UNNAMED TRIBUTARY
Outfall 141	32.502828	-85.034726	18" RCP	UNNAMED TRIBUTARY
Outfall 142	32.496240	-85.029880	FLUME	UNNAMED TRIBUTARY
Outfall 143	32.496188	-85.029909	24" RCP	UNNAMED TRIBUTARY
Outfall 144	32.496221	-85.029904	24" RCP	UNNAMED TRIBUTARY
Outfall 145	32.496283	-85.029734	FLUME	UNNAMED TRIBUTARY
Outfall 146	32.494506	-85.032526	24" RCP	UNNAMED TRIBUTARY
Outfall 147	32.465820	-85.018912	FLUME	UNNAMED TRIBUTARY
Outfall 148	32.499732	-85.007409	12" RCP	MOON LAKE
Outfall 149	32.499580	-85.008303	12" RCP	MOON LAKE
Outfall 150	32.499079	-85.009969	24" RCP	MOON LAKE
Outfall 151	32.498448	-85.011602	24" RCP	MOON LAKE
Outfall 152	32.498241	-85.011692	36" RCP	MOON LAKE
Outfall 153	32.498205	-85.011667	36" RCP	MOON LAKE
Outfall 154	32.498180	-85.011624	12" RCP	MOON LAKE
Outfall 155	32.497676	-85.009379	24" RCP	MOON LAKE
Outfall 156	32.497415	-85.008152	24" RCP	MOON LAKE
Outfall 157	32.497319	-85.007304	15" RCP	MOON LAKE
Outfall 158	32.497367	-85.007185	24" RCP	MOON LAKE/OUTFALL
Outfall 159	32.472849	-85.031361	16" CONCRETE PIPE	UNNAMED TRIBUTARY
Outfall 160	32.498658912	-85.035865085	Ditch	HOLLAND CREEK
Outfall 161	32.496649919	-85.033031599	48 RCP	Holland Creek
Outfall 162	32.495713662	-85.033115114	36 RCP	Holland Creek
Outfall 163	32.494908550	-85.033646838	18 HDP	Holland Creek
Outfall 164	32.490226229	-85.032990171	FLUME	Holland Creek
Outfall 165	32.490356543	-85.033337019	FLUME	Holland Creek
Outfall 166	32.490591247	-85.033593146	FLUME	Holland Creek
Outfall 167	32.491378196	-85.033447358	36 CMP	Holland Creek
Outfall 168	32.491498900	-85.039212984	DITCH	Mill Creek
Outfall 169	32.490097084	-85.036335994	DITCH	Mill Creek

Outfall 170	32.489047968	-85.035496730	72 RCP	Mill Creek
Outfall 171	32.479432621	-85.023693289	42 RCP	Mill Creek
Outfall 172	32.481229950	-85.027867564	48 RCP	Mill Creek
Outfall 173	32.472262519	-85.015780489	24 RCP	Mill Creek
Outfall 174	32.472568314	-85.016013490	DITCH	Mill Creek
Outfall 175	32.472807013	-85.016212855	24 RCP	Mill Creek
Outfall 176	32.472986649	-85.016404662	24 CMP	Mill Creek
Outfall 177	32.473039716	-85.016339183	24 RCP	Mill Creek
Outfall 178	32.473105621	-85.016251049	24 RCP	Mill Creek
Outfall 179	32.473105621	-85.016251049	24 RCP	Mill Creek
Outfall 180	32.434743038	-84.993033331	24 RCP	UNNAMED TRIBUTARY
Outfall 181	32.434745306	-84.992935768	DITCH	UNNAMED TRIBUTARY
Outfall 182	32.436864409	-84.994367715	24 RCP	UNNAMED TRIBUTARY
Outfall 183	32.436336993	-84.994198205	24 RCP	UNNAMED TRIBUTARY
Outfall 184	32.435710913	-84.999843536	24 RCP	UNNAMED TRIBUTARY
Outfall 185	32.440453667	-85.028768647	18 RCP	UNNAMED TRIBUTARY
Outfall 186	32.441078757	-85.028970450	18 RCP	UNNAMED TRIBUTARY
Outfall 187	32.441130135	-85.028756563	18 RCP	UNNAMED TRIBUTARY
Outfall 188	32.442503368	-85.030222424	18 RCP	UNNAMED TRIBUTARY
Outfall 189	32.442536958	-85.030127613	18 RCP	UNNAMED TRIBUTARY
Outfall 190	32.440399403	-85.028436315	18 RCP	UNNAMED TRIBUTARY
Outfall 191	32.443635415	-85.030450837	24 RCP	UNNAMED TRIBUTARY
Outfall 192	32.443286063	-85.030393657	DITCH	UNNAMED TRIBUTARY
Outfall 193	32.435224038	-85.012640743	DITCH	Cochgalechee Creek
Outfall 194	32.435547945	-85.013519717	18 RCP	Cochgalechee Creek
Outfall 195	32.428789013	-85.007526308	18 RCP	Cochgalechee Creek
Outfall 196	32.428505307	-85.006865315	30 RCP	Cochgalechee Creek
Outfall 197	32.429446519	-85.008724683	18 RCP	Cochgalechee Creek
Outfall 198	32.429536785	-85.008736594	18 RCP	Cochgalechee Creek
Outfall 199	32.430094889	-85.009832670	18 CMP	Cochgalechee Creek
Outfall 200	32.431278582	-85.010787336	12 RCP	Cochgalechee Creek
Outfall 201	32.431078264	-85.010778892	18 RCP	Cochgalechee Creek
Outfall 202	32.431619502	-85.011317536	18 RCP	Cochgalechee Creek
Outfall 203	32.431811399	-85.011614304	12 CMP	Cochgalechee Creek

Outfall 204	32.432432558	-85.011997737	DITCH	Cochgalechee Creek
Outfall 205	32.433068150	-85.011802243	18 RCP	Cochgalechee Creek
Outfall 206	32.435062424	-85.011994414	FLUME	Cochgalechee Creek
Outfall 207	32.435176647	-85.012012445	FLUME	Cochgalechee Creek
Outfall 208	32.433455735	-85.016130248	14 RCP	UNNAMED TRIBUTARY
Outfall 209	32.433158047	-85.016328400	18 RCP	UNNAMED TRIBUTARY
Outfall 210	32.432062867	-85.019557518	24 RCP	UNNAMED TRIBUTARY
Outfall 211	32.432025499	-85.019643342	FLUME	UNNAMED TRIBUTARY
Outfall 212	32.484142341	-85.024036887	FLUME	UNNAMED TRIBUTARY
Outfall 213	32.484044980	-85.024021996	18 RCP	UNNAMED TRIBUTARY
Outfall 214	32.433537290	-85.016058980	FLUME	UNNAMED TRIBUTARY
Outfall 215	32.432112267	-85.019629054	FLUME	UNNAMED TRIBUTARY
Outfall 216	32.431727996	-85.020108263	DITCH	UNNAMED TRIBUTARY
Outfall 217	32.431704616	-85.020507134	18 RCP	UNNAMED TRIBUTARY
Outfall 218	32.431304441	-85.020884382	30 CMP	UNNAMED TRIBUTARY
Outfall 219	32.431223690	-85.021333238	24 RCP	UNNAMED TRIBUTARY
Outfall 220	32.431433540	-85.023318999	14 RCP	UNNAMED TRIBUTARY
Outfall 221	32.431433540	-85.023318990	24 RCP	UNNAMED TRIBUTARY
Outfall 222	32.524115316	-85.033036516	24 RCP	UNNAMED TRIBUTARY
Outfall 223	32.484808510	-85.021832760	24 RCP	UNNAMED TRIBUTARY
Outfall 224	32.485565998	-85.020972468	24 RCP	UNNAMED TRIBUTARY
Outfall 225	32.441945009	-85.038688622	FLUME	UNNAMED TRIBUTARY
Outfall 226	32.440555203	-85.034554401	DITCH	Cochgalechee Creek
Outfall 227	32.439701843	-85.033848353	24 RCP	Cochgalechee Creek
Outfall 228	32.476603283	-85.010135805	14 RCP	UNNAMED TRIBUTARY
Outfall 229	32.476601265	-85.009980611	18 RCP	UNNAMED TRIBUTARY
Outfall 230	32.476633124	-85.009988336	FLUME	UNNAMED TRIBUTARY
Outfall 231	32.475588329	-85.010476398	INLET	UNNAMED TRIBUTARY
Outfall 232	32.475678187	-85.010470914	INLET	UNNAMED TRIBUTARY
Outfall 233	32.475953119	-85.010710816	INLET	UNNAMED TRIBUTARY
Outfall 234	32.476120490	-85.010799905	INLET	UNNAMED TRIBUTARY
Outfall 235	32.474673837	-85.010530668	INLET	UNNAMED TRIBUTARY
Outfall 236	32.474584739	-85.010583056	INLET	UNNAMED TRIBUTARY
Outfall 237	32.474349504	-85.010768256	INLET	UNNAMED TRIBUTARY

Outfall 238	32.474159649	-85.010941157	INLET	UNNAMED TRIBUTARY
Outfall 239	32.473916954	-85.011014887	INLET	UNNAMED TRIBUTARY
Outfall 240	32.447201762	-84.997923564	DITCH	UNNAMED TRIBUTARY
Outfall 241	32.450944745	-85.009574824	18 RCP	UNNAMED TRIBUTARY
Outfall 242	32.451012468	-85.009571672	24 RCP	UNNAMED TRIBUTARY
Outfall 243	32.450574473	-85.008454258	24 RCP	UNNAMED TRIBUTARY
Outfall 244	32.423907365	-84.998839596	18 RCP	UNNAMED TRIBUTARY
Outfall 245	32.424228188	-84.998682842	14 RCP	UNNAMED TRIBUTARY
Outfall 246	32.424546341	-84.999414279	24 CMP	UNNAMED TRIBUTARY
Outfall 247	32.428681389	-85.006885197	36 CMP	Cochgalechee Creek
Outfall 248	32.498828459	-85.030322229	18 RCP	UNNAMED TRIBUTARY
Outfall 249	32.500076359	-85.028681926	INLET	UNNAMED TRIBUTARY
Outfall 250	32.500001661	-85.028756459	INLET	UNNAMED TRIBUTARY
Outfall 251	32.499856979	-85.028969423	INLET	UNNAMED TRIBUTARY
Outfall 252	32.499766776	-85.029175993	FLUME	UNNAMED TRIBUTARY
Outfall 253	32.500563704	-85.028109227	20 RCP	UNNAMED TRIBUTARY
Outfall 254	32.500547058	-85.028155882	SPILLWAY	UNNAMED TRIBUTARY
Outfall 255	32.480481297	-85.023843931	12 RCP	Holland Creek
Outfall 256	32.482439707	-85.023652380	24 RCP	UNNAMED TRIBUTARY
Outfall 257	32.482106429	-85.022997074	24 RCP	UNNAMED TRIBUTARY
Outfall 258	32.496706357	-85.028992513	INLET	UNNAMED TRIBUTARY
Outfall 259	32.496903992	-85.028847868	INLET	UNNAMED TRIBUTARY
Outfall 260	32.496452885	-85.029410669	14 RCP	UNNAMED TRIBUTARY
Outfall 261	32.499308544	-85.029895020	24 RCP	UNNAMED TRIBUTARY
Outfall 262	32.497516803	-85.033476980	24 RCP	Holland Creek
Outfall 263	32.497883411	-85.033636157	18 RCP	Holland Creek
Outfall 264	32.446016986	-85.029542977	10IN STEEL	Cochgalechee Creek
Outfall 265	32.445286555	-85.029701508	18 RCP	Cochgalechee Creek
Outfall 266	32.444423955	-85.030169567	24 RCP	Cochgalechee Creek
Outfall 267	32.447032523	-85.029342508	18 RCP	Cochgalechee Creek
Outfall 268	32.447181422	-85.029897791	15 RCP	Cochgalechee Creek
Outfall 269	32.447510094	-85.029496827	FLUME	Cochgalechee Creek
Outfall 270	32.447562930	-85.029275270	FLUME	Cochgalechee Creek
Outfall 271	32.448044790	-85.029377726	6IN PVC	Cochgalechee Creek

Outfall 272	32.448496534	-85.029255001	18 RCP	Cochgalechee Creek
Outfall 273	32.472397852	-85.025798065	18 RCP	UNNAMED TRIBUTARY
Outfall 274	32.471891103	-85.026382154	24 RCP	UNNAMED TRIBUTARY
Outfall 275	32.468084877	-85.005951201	20 HDPE	Mill Creek
Outfall 276	32.469515491	-85.003515424	18 RCP	UNNAMED TRIBUTARY
Outfall 277	32.470928373	-85.003670037	INLET	UNNAMED TRIBUTARY
Outfall 278	32.472877801	-85.003662719	24 CLAY	UNNAMED TRIBUTARY
Outfall 279	32.473118691	-85.003515959	FLUME	UNNAMED TRIBUTARY
Outfall 280	32.470661331	-85.003618030	INLET	UNNAMED TRIBUTARY
Outfall 281	32.489903079	-85.019360985	FLUME	UNNAMED TRIBUTARY
Outfall 282	32.489938571	-85.019354747	36 RCP	UNNAMED TRIBUTARY
Outfall 283	32.490190261	-85.019162038	42 RCP	UNNAMED TRIBUTARY
Outfall 284	32.491072547	-85.017999378	24IN STEEL	UNNAMED TRIBUTARY
Outfall 285	32.492214902	-85.017373851	30 RCP	UNNAMED TRIBUTARY
Outfall 286	32.492469513	-85.017195896	70 RCP	UNNAMED TRIBUTARY
Outfall 287	32.492748375	-85.016933942	16 RCP	UNNAMED TRIBUTARY
Outfall 288	32.492684477	-85.016908039	70 RCP	UNNAMED TRIBUTARY
Outfall 289	32.489706671	-85.020007875	FLUME	UNNAMED TRIBUTARY
Outfall 290	32.489438443	-85.020650533	24 HDPE	UNNAMED TRIBUTARY
Outfall 291	32.489384794	-85.020893987	18 RCP	UNNAMED TRIBUTARY
Outfall 292	32.488890040	-85.021225547	18 RCP	UNNAMED TRIBUTARY
Outfall 293	32.488333766	-85.021440086	FLUME	UNNAMED TRIBUTARY
Outfall 294	32.487992528	-85.022215965	FLUME	UNNAMED TRIBUTARY
Outfall 295	32.487429613	-85.022935082	FLUME	UNNAMED TRIBUTARY
Outfall 296	32.486930433	-85.023292574	24 RCP	UNNAMED TRIBUTARY
Outfall 297	32.487796127	-85.022910214	14 RCP	UNNAMED TRIBUTARY
Outfall 298	32.487779144	-85.022891917	24 RCP	UNNAMED TRIBUTARY
Outfall 299	32.486810876	-85.023417872	18 RCP	UNNAMED TRIBUTARY
Outfall 300	32.485265543	-85.024055525	36 RCP	UNNAMED TRIBUTARY
Outfall 301	32.500726541	-85.007819463	FLUME	UNNAMED TRIBUTARY
Outfall 302	32.500796583	-85.007755665	FLUME	UNNAMED TRIBUTARY
Outfall 303	32.500819760	-85.007964524	FLUME	UNNAMED TRIBUTARY
Outfall 304	32.500721892	-85.007895990	FLUME	UNNAMED TRIBUTARY
Outfall 305	32.44744576	-85.002848421	14RCP	UNNAMED TRIBUTARY

Outfall 306	32.43622711	-85.013710679	24HDPE	UNNAMED TRIBUTARY
Outfall 307	32.4375283	-85.014073682	18RCP	UNNAMED TRIBUTARY
Outfall 308	32.43756022	-85.014142967	FLUME	UNNAMED TRIBUTARY
Outfall 309	32.43751933	-85.012283917	18RCP	UNNAMED TRIBUTARY
Outfall 310	32.43748774	-85.013425127	INLET	UNNAMED TRIBUTARY
Outfall 311	32.44543343	-85.012589252	INLET	UNNAMED TRIBUTARY
Outfall 312	32.44542526	-85.012520995	INLET	UNNAMED TRIBUTARY
Outfall 313	32.44239615	-85.012706922	INLET	UNNAMED TRIBUTARY
Outfall 314	32.44246669	-85.012729653	FLUME	UNNAMED TRIBUTARY
Outfall 315	32.43609241	-85.012351127	14RCP	UNNAMED TRIBUTARY
Outfall 316	32.43849137	-84.998859156	18CMP	UNNAMED TRIBUTARY
Outfall 317	32.48384305	-85.014690853	24RCP	UNNAMED TRIBUTARY
Outfall 318	32.48383181	-85.014625165	INLET	UNNAMED TRIBUTARY
Outfall 319	32.48734912	-85.015130918	18RCP	UNNAMED TRIBUTARY
Outfall 320	32.48202867	-85.011592968	INLET	UNNAMED TRIBUTARY
Outfall 321	32.48196764	-85.011640204	INLET	UNNAMED TRIBUTARY
Outfall 322	32.48232671	-85.010600988	36RCP	UNNAMED TRIBUTARY
Outfall 323	32.48232669	-85.010690659	36RCP	UNNAMED TRIBUTARY
Outfall 324	32.46799572	-85.016140377	INLET	UNNAMED TRIBUTARY
Outfall 325	32.4680617	-85.016128258	INLET	UNNAMED TRIBUTARY
Outfall 326	32.48070145	-85.011940623	16RCP	UNNAMED TRIBUTARY
Outfall 327	32.4807124	-85.011902438	18RCP	UNNAMED TRIBUTARY
Outfall 328	32.4806199	-85.011938636	18RCP	UNNAMED TRIBUTARY
Outfall 329	32.47964945	-85.011826032	INLET	UNNAMED TRIBUTARY
Outfall 330	32.4794941	-85.011834255	16CMP	UNNAMED TRIBUTARY
Outfall 331	32.49647385	-85.063514627	18RCP	UNNAMED TRIBUTARY
Outfall 332	32.49537651	-85.063374629	36RCP	UNNAMED TRIBUTARY
Outfall 333	32.49499036	-85.06394886	24RCP	UNNAMED TRIBUTARY
Outfall 334	32.49268859	-85.064409221	30RCP	UNNAMED TRIBUTARY
Outfall 335	32.4926694	-85.064223058	48RCP	UNNAMED TRIBUTARY
Outfall 336	32.45575252	-85.016876426	FLUME	UNNAMED TRIBUTARY
Outfall 337	32.45573923	-85.016858817	24RCP	UNNAMED TRIBUTARY
Outfall 338	32.46746547	-85.009459559	INLET	UNNAMED TRIBUTARY
Outfall 339	32.46746479	-85.009359963	FLUME	UNNAMED TRIBUTARY

Outfall 340	32.46556645	-85.01017262	INLET	UNNAMED TRIBUTARY
Outfall 341	32.46568903	-85.010120656	INLET	UNNAMED TRIBUTARY
Outfall 342	32.46568132	-85.010095869	INLET	UNNAMED TRIBUTARY
Outfall 343	32.43738036	-85.017490091	24RCP	UNNAMED TRIBUTARY
Outfall 344	32.43739417	-85.017407402	18RCP	UNNAMED TRIBUTARY
Outfall 345	32.43730881	-85.017408868	18RCP	UNNAMED TRIBUTARY

N

1 inch = 2,000 feet

OUTFALL MAP

Legend

- 2016_2017 OUTFALLS
- 2017_2018 OUTFALLS
- 2018_2019 OUTFALLS
- 2019_2020_OUTFALLS
- 2020_2021_OUTFALLS
- PHENIX CITY LIMITS

Lee County

Muscogee County

Russell County

Chattahoochee County

Appendix II – Supporting Documents

Public Education and Public Involvement On Storm Water Impacts

Phase II Storm Water Program

Spring 2020

Rain Barrels

DIY Craft for Home

A rain barrel is a collection system that is designed to harvest rain water from the rooftops of homes or other buildings. Water falls from the roof into a barrel or other large container to be used at a later time. Rain barrels are typically raised above ground level by the use of blocks to allow a valve to be placed at the bottom of the barrel for easy access to the water supply. A rain barrel can be a simple project to create at home and can be expanded to become a more advanced water collection system if needed.

Impacts of Rain Barrels

By having a rain barrel you can harvest rain water runoff and reduce the amount of water that flows from your property. The collected water can be stored for long periods of time and can be used during times of drought. There are numerous benefits to having a rain barrel system, such as reduced irrigation cost, having a natural water source, and reduced storm water runoff. Rain barrel water is not safe to drink, but it is a source of chlorine free water that is beneficial to plants. For every inch of rain that falls on 1000 square feet of catchment area you can expect to collect 600 gallons of water.

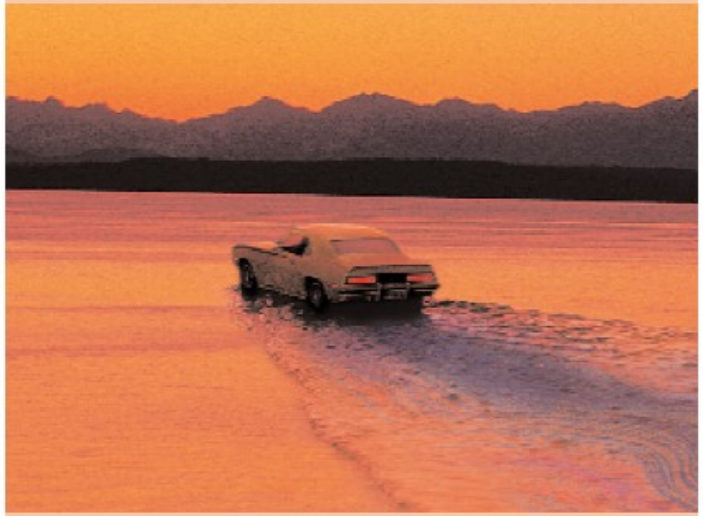
Getting Started

A basic rain barrel can be made at very little expense with easy to find items. All you need is a water storage container and a device, such as a gutter, to move rain water from the roof and into the container. In addition, blocks to raise the container from the ground, a bung to place a valve, and a mosquito covering are all simple ways to improve your rain barrel. For more information on how to construct your own rain barrel visit epa.gov.

When You're Fertilizing the Lawn, Remember... You're Not Just Fertilizing the Lawn.

You fertilize the lawn. Then it rains. The rain washes the fertilizer along the curb, into the storm drain, and directly into our waterways. The nutrients encourage algae to grow, using up oxygen that fish need to survive and thrive. So, if you fertilize, please follow directions, and use sparingly.

When Your Car Leaks Oil on the Street, Remember... It's Not Just Leaking Oil on the Street.



Leaking oil goes from your car to the street and is washed from the street into the storm drain and into our lakes, streams and bays. Imagine the number of cars in your community and you can imagine the amount of oil that finds its way from leaky gaskets into our water. So please, fix oil leaks.

When You're Washing Your Car in the Driveway, Remember... You're Not Just Washing Your Car in the Driveway.

All of the soap, scum and oily grit from your car runs along the curb, then into the storm drain and directly into our rivers, bays and bayous. That causes pollution that is unhealthy for aquatic life. You can avoid this by washing your car on the grass or gravel instead of on the street or driveway. Or better yet, take it to the car wash where the water gets treated and recycled.

ADEM Alabama Department of Environmental Management
Alabama Clean Water Partnership

Thanks to the Washington Department of Ecology, King County, and the cities of Bellevue, Seattle, and Tacoma.

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Help Stop Pointless Pollution

Be a part of the cleanup of the waterways in our area.

Clean water is important to all of us.

In recent years, sources of water pollution like industrial wastes from factories have been greatly reduced. Now, more than 60 percent of water pollution comes from sources like cars leaking oil, fertilizers from farms and gardens, and failing septic tanks. Each of us can do our part to help clean up our water.

Why do we need clean water?

Clean water is important to our health and economy. Clean water provides recreation, fish habitat, drinking water, and adds beauty to our landscape. Everyone benefits from clean water.

What's the problem with fertilizer?

Fertilizer is not a problem when it is used correctly. In waterways, as in your yard, too much fertilizer can promote excessive algae and aquatic plants. This can harm water quality and make boating, fishing and swimming unpleasant.

For more information on soil testing, fertilizing alternatives and composting, call your County Cooperative Extension Agent or go to http://www.aces.edu/directory/.

How can you apply fertilizers and help keep our waters clean?

- Use fertilizers sparingly. Follow the manufacturers instructions.
- Have your soil tested for fertilizer needs.
- Don't apply fertilizers before a rainstorm.
- Consider using organic fertilizers, since they release nutrients slowly.
- Use commercially available compost or make your own using a garden composter. Mixing compost with your soil means your plants will need less chemical fertilizer. Commercial compost and soil amendments may be available from your solid waste or wastewater utility as well as your local lawn and garden store.

For more information contact:

Alabama Department of Environmental Management
Office of External Affairs
(334) 260-4501

Municipal Storm Water Program
(334) 271-7700

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What's the problem with motor oil?

Oil does not dissolve in water. Oil and other petroleum products are toxic to people, wildlife and plants. One pint of oil can make a slick larger than a football field. Oil that leaks from our cars onto roads and driveways is washed into storm drains, or directly into our lakes, streams or marine water. Used motor oil is the largest single source of oil pollutants (over 180 million gallons per year), in our lakes, streams and rivers.

How can you prevent motor oil pollution and help keep our waters clean?

- Never dispose of oil or other engine fluids down the storm drain, on the ground or into a ditch. Recycle used motor oil. Many auto supply stores and gas stations will accept used oil.
- Check for oil leaks regularly and use drip pans beneath your vehicle if you have leaks. Keep your car tuned to reduce oil use.
- Use ground cloths while performing engine work. Clean up spills immediately. Collect all used oil in containers with tight fitting lids.

For more information contact:

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What's the problem with car washing?

Many soaps contain phosphates and most car-care products contain chemicals that may harm fish and degrade water quality. The phosphates from the soap can cause excess algae to grow. Algae sometimes looks or smells bad, and may be harmful to water quality. As algae decays, the process uses up oxygen in the water that fish need to survive.

How can you wash your car and help keep our waters clean?

- Best solution: take your car to a commercial car wash. Most car washes reuse water several times before sending it to the wastewater facility for treatment.
- Use soap that is chlorine- and phosphate-free.
- Use soap sparingly. Use a hose nozzle with a trigger to save water.
- Pour your bucket of soapy water down the sink or toilet when you're done, not in the street.
- Wash your car on a grassy area so the ground can filter the water naturally.

For more information contact:

Alabama Department of Environmental Management
Office of External Affairs
(334) 260-4501

Municipal Storm Water Program
(334) 271-7700

Storm Water Educational Materials

Help the Hooch on City Marquees

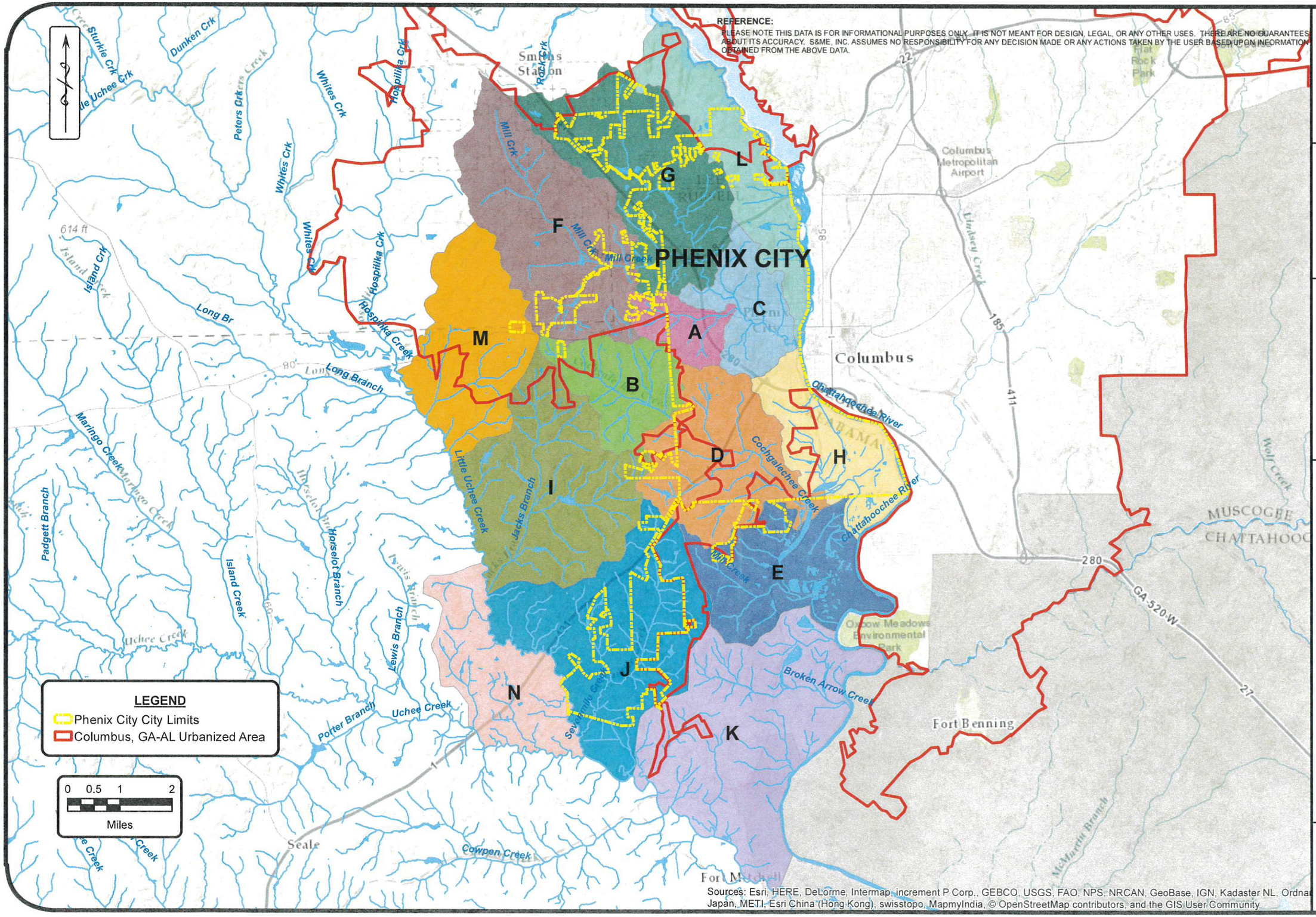
Illicit Discharge Potential (IDP)

Illicit Discharge Potential (IDP)

Basin	Square Miles	# of PGS	Sites per sq mi	Appx. Septic	AOD	PGS	SFD	PID	ORI	Total IDP Score
A	1.85	4	2.16	100-150	2	1	2	1	2	8
B	3.82	2	0.52	365	1	1	2	1	1	6
C	3.29	16	4.86	0	3	2	1	1	2	9
D	7.25	10	1.38	100-200	2	1	2	1	2	8
E	6.44	5	0.78	80	1	1	2	1	1	6
F	10.16	12	1.18	1100+	2	1	3	1	1	8
G	9.24	23	2.49	700-800	2	1	2	1	2	8
H	4.79	16	3.34	4	3	2	1	2	2	10
I	10.46	1	0.10	600-700	1	1	2	1	1	6
J	11.00	1	0.09	300-400	2	1	2	1	1	7
K	13.04	0	0.00	500-600	1	1	2	1	1	6
L	5.69	3	0.53	300	3	1	2	1	1	8
M	7.15	6	0.84	1000+	2	1	3	1	1	8
N	5.69	0	0.00	100-150	1	1	2	1	1	6

REFERENCE:

PLEASE NOTE THIS DATA IS FOR INFORMATIONAL PURPOSES ONLY. IT IS NOT MEANT FOR DESIGN, LEGAL, OR ANY OTHER USES. THERE ARE NO GUARANTEES ABOUT ITS ACCURACY. S&ME, INC. ASSUMES NO RESPONSIBILITY FOR ANY DECISION MADE OR ANY ACTIONS TAKEN BY THE USER BASED UPON INFORMATION OBTAINED FROM THE ABOVE DATA.



DATE: 12/22/16
DRAWN BY: EJK
CHECKED BY: CCL
SCALE: 1:80,000
PROJECT NO: 4482-16-055
NPDES NO: ALR040019

S&ME
WWW.SMEINC.COM

PHENIX CITY MS4 DELINEATED DRAINAGE BASINS

PHENIX CITY URBANIZED AREA
PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM

FIGURE NO.
4

Potential Generating Sites

per EPA ECHO Database

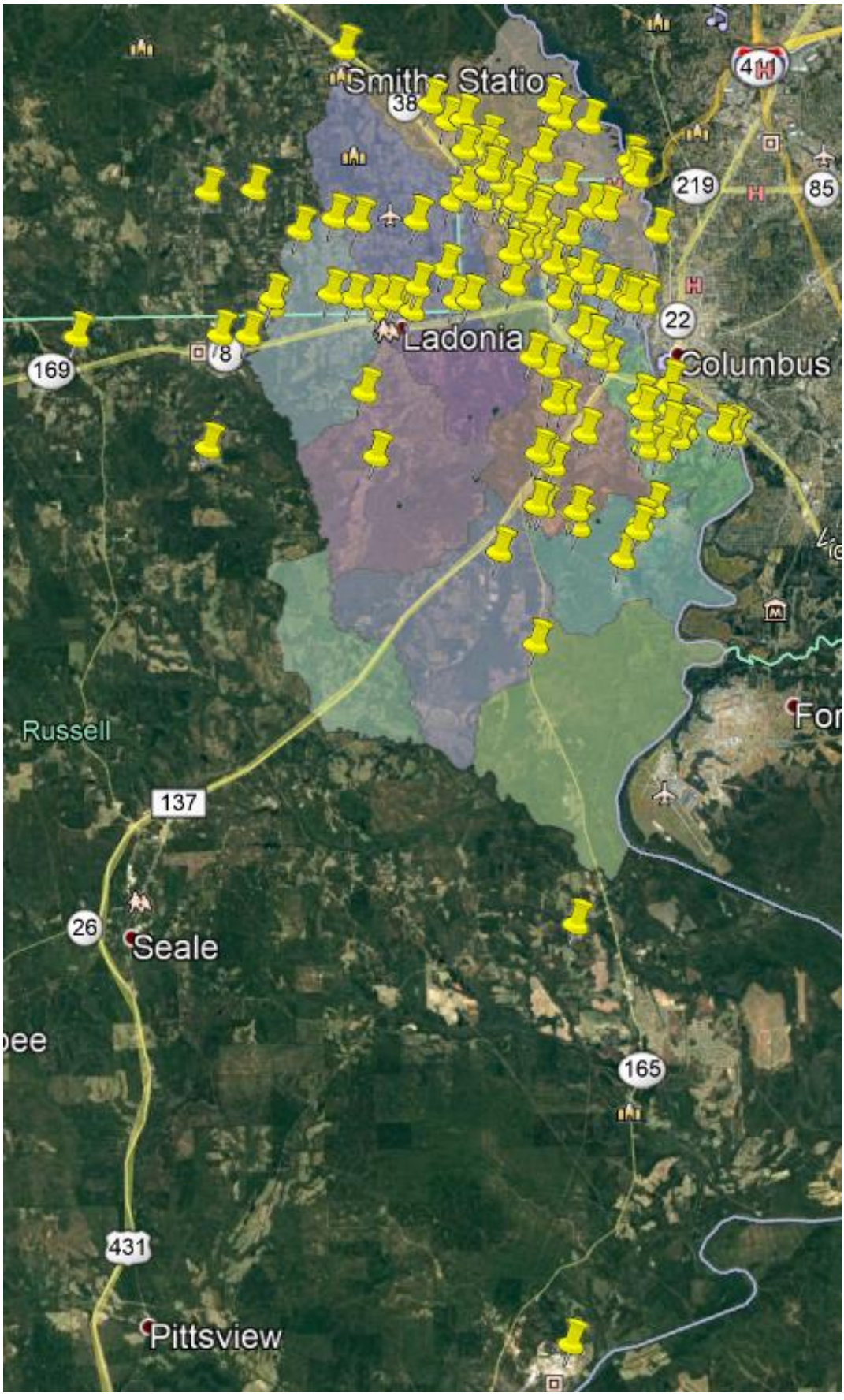
FacName	**FacStreet**	FacCity	FacState
22ND AVE SERVICE STATION	22ND AVE AT ITS' INTERSECTION WITH US HWY 280	PHENIX CITY	AL
ADVANTAGE MINI STORAGE	7431 LEE ROAD 240	PHENIX CITY	AL
ALABAMA POWER COMPANY - PHENIX CITY GARAGE	9 STAFFORD RD	PHENIX CITY	AL
ALATRADE FOODS LLC	6 DOWNING DR	PHENIX CITY	AL
ARGO CONSTRUCTION	HIGHWAY 280	PHENIX CITY	AL
ARGOS PHENIX CITY PLANT	350 BRICKYARD RD	PHENIX CITY	AL
AUTO TRANS	30 COFFIELD DRIVE	PHENIX CITY	AL
AUTUMN BROOKE SUBDIVISION	NEAR 3787 OPELIKA ROAD	PHENIX CITY	AL
BAMA AUTO SALES	194 WOODLAND DR	PHENIX CITY	AL
BORAL BRICKS	100 BRICKYARD RD	PHENIX CITY	AL
BOSWELL ROAD PIT	284 BOSWELL RD	PHENIX CITY	AL
BRANCH CREEK	33RD AVENUE	PHENIX CITY	AL
CARMACK INC DBA PHENIX FOUNDRY	803 INDUSTRIAL CIRCLE	PHENIX CITY	AL
CENTRAL HIGH SCHOOL	2400 DOBBS DR	PHENIX CITY	AL
CHATTAHOOCHEE VALLEY COMMUNITY COLLEGE	2602 COLLEGE DRIVE	PHENIX CITY	AL
CHS ATHLETIC FACILITY	2400 DOBBS DR	PHENIX CITY	AL
CHS CTE ANNEX	DOBBS DRIVE	PHENIX CITY	AL
COLUMBUS DEV INC - LEXINGTON	MILLPOND DRIVE	PHENIX CITY	AL
CONTINENTAL CARBON PHENIX CITY PLANT	1500 EAST STATE DOCKS ROAD	PHENIX CITY	AL
CRAWFORD PIT	BLEEKER RD	PHENIX CITY	AL
CULVER'S	HWY 280 (431S)	PHENIX CITY	AL
CVS PHARMACY #1824	5405 SUMMERVILLE ROAD	PHENIX CITY	AL
CVS PHARMACY #4934	2514 CRAWFORD RD	PHENIX CITY	AL
DAIRY QUEEN GRILL & CHILL	LOT B - ASHWOOD DRIVE	PHENIX CITY	AL
DANNY PARRISH PROPERTY	1453 LEE COUNTY ROAD 425	PHENIX CITY	AL
DEL TACO RESTAURANT	1212 E. 280 BYPASS	PHENIX CITY	AL

DEPPE COTTAGES	LEE ROAD 209	PHENIX CITY	AL
DOLLAR TREE	3668 US-80	PHENIX CITY	AL
DUDLEY PROPERTY	US HWY 280; 32.5145, -85.0633.	PHENIX CITY	AL
DYKES AND SON GRADING	2808 OPELIKA RD	PHENIX CITY	AL
DYKES BODY SHOP	1228 11TH AVE	PHENIX CITY	AL
DYKES HAUL PIT	2804 OPELIKA ROAD	PHENIX CITY	AL
FAULK & SON, INC.	3610 HIGHWAY 80 WEST	PHENIX CITY	AL
GIBBONS FENDER & BODY WORKS INC	1208 10TH AVENUE	PHENIX CITY	AL
GIL'S COLLISION CENTER	3946 US HIGHWAY 80	PHENIX CITY	AL
GRAND RESERVE - PHENIX CITY	BETWEEN HWY 431 & OLD SEALE ROAD	PHENIX CITY	AL
HAMMETT STEEL LLC	3015 LAKEWOOD DRIVE	PHENIX CITY	AL
IIG MINWOOL LLC	908 JOHN BUSSEY DRIVE	PHENIX CITY	AL
IVY CREEK SUBDIVISION	LANDMARK DRIVE (LEE RD 456) OFF OF HWY 280/431 NORTH	PHENIX CITY	AL
JOE HUDSON COLLISION CENTER - PHENIX CITY	MARKETPLACE DRIVE	PHENIX CITY	AL
KINNETT ESTATES	US HIGHWAY 80	PHENIX CITY	AL
KMART 4760	2003 US HWY 280 BYPASS	PHENIX CITY	AL
LADONIA COMMERCIAL	US HWY 80 NW OF ITS' INTERSECTION WITH WOODLAND DR	PHENIX CITY	AL
LEATHERWOOD & SONS BODY SHOP	1225 10TH AVENUE	PHENIX CITY	AL
LIBERTY HILL	1702 20TH AVE	PHENIX CITY	AL
MALLARD CREEK SUBDIVISION LOTS 20A, 70, 72, 73, 74, 96	NEAR THE WESTERN END OF TEAL DRIVE	PHENIX CITY	AL
MARATHON MART #102	410 MARTIN LUTHER KING BOULEVARD	PHENIX CITY	AL
MCLENDON TRAILERS	58 CUTRATE ROAD	PHENIX CITY	AL
MEADWESTVACO COATED BOARD, LLC	1817 HWY 165 S	PHENIX CITY	AL
MERIDIAN BRICK LLC	1501 BRICKYARD RD	PHENIX CITY	AL
MERIDIAN BRICK LLC	1415 BRICKYARD RD	PHENIX CITY	AL
MS4 PHASE II	601 12TH STREET	PHENIX CITY	AL
NAIG2 SITE PREP	FONTAINE ROAD	PHENIX CITY	AL
OCONEE CONCRETE CO	347 WOODLAND DRIVE	PHENIX CITY	AL
OCONEE CONCRETE COMPANY, INC.	210 STATE DOCK ROAD	PHENIX CITY	AL
OPELIKA ROAD PIT	2335 OPELIKA RD	PHENIX CITY	AL
ORCHARD HILLS SUBDIVISION	26TH COURT	PHENIX CITY	AL
OWENS CORNING HT INCORPORATED	908 OWENS CORNING DR.	PHENIX CITY	AL
PARK PLACE SUBDIVISION	701 PARK AVE	PHENIX CITY	AL

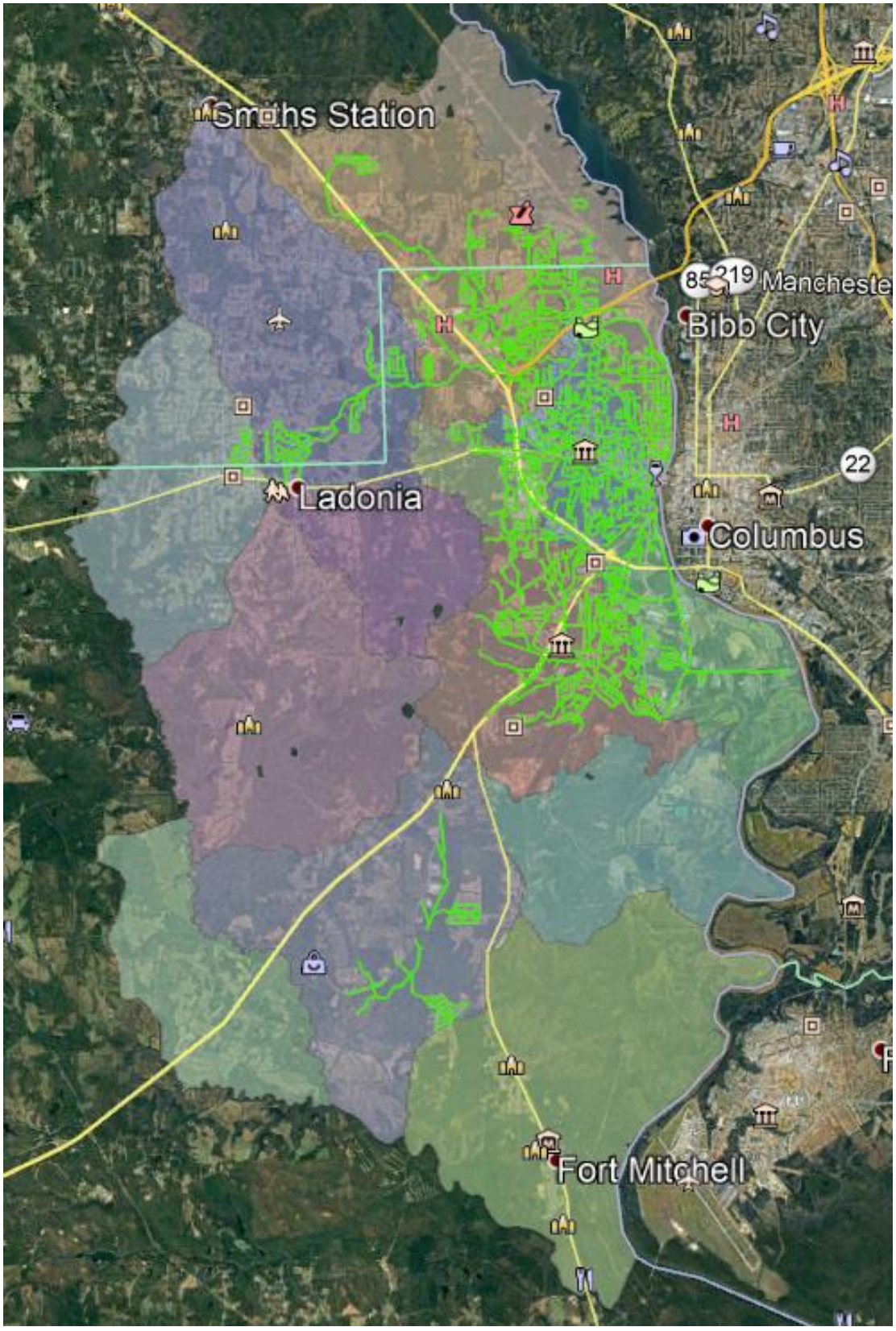
PEP BOYS AUTO SERVICE & TIRES #1572	5 ASHWOOD DRIVE	PHENIX CITY	AL
PHENIX CITY (SUMMERVILLE RD.) NEW RETAIL STORE	EAST SIDE OF SUMMERVILLE ROAD AT INTERSECTION WITH	PHENIX CITY	AL
PHENIX CITY FREIGHT	900 BRICKYARD ROAD	PHENIX CITY	AL
PHENIX CITY PIT	1371 BRICKYARD ROAD	PHENIX CITY	AL
PHENIX CITY PLANT	6 DOWNING DRIVE	PHENIX CITY	AL
PHENIX CITY RETAIL	3732 U.S. HWY 280	PHENIX CITY	AL
PHENIX CITY TRANSFER STATION	610 STATE DOCKS ROAD	PHENIX CITY	AL
PHENIX CITY WASTEWATER TREATMENT PLANT	1600 EAST STATE DOCKS ROAD	PHENIX CITY	AL
PHENIX CITY, AL CAX	1411 14TH STREET	PHENIX CITY	AL
PHENIX FOUNDRY	STATE DOCK ROAD	PHENIX CITY	AL
PHENIX LUMBER CO	4 CUT RATE RD	PHENIX CITY	AL
PINE HOLLOW LANDFIILL	18 OLD BRICKYARD ROAD	PHENIX CITY	AL
PRINCE MANUFACTURING COMPANY	ALABAMA STATE DOCKS RD	PHENIX CITY	AL
PROJECT NO. STPPC-ACAABRZ59582-ATRP(011)	OPELIKA ROAD	PHENIX CITY	AL
PROJECT NUMBER: LCP 41-147-17	LEE ROAD 197	PHENIX CITY	AL
PUBLIX SUPER MARKET #1086	5408 SUMMERVILLE ROAD SUITE 200	PHENIX CITY	AL
READY MIX USA, LLC-PHENIX CITY FACILITY	2806 DOBBS DRIVE	PHENIX CITY	AL
RIDGECREST SCHOOL - MULTIPURPOSE BUILDING	8TH PLACE SOUTH	PHENIX CITY	AL
RIDGEWOOD COVE SUBDIVISION	DOBBS DRIVE	PHENIX CITY	AL
RIVERCHASE COMMERCIAL SW	RIVERCHASE DR AT J R ALLEN PKWY	PHENIX CITY	AL
ROBINSON ASPHALT PLANT	1250 LONESOME PINE ROAD	PHENIX CITY	AL
ROBINSON GRAVEL PIT	ABERCROMBIE ROAD	PHENIX CITY	AL
ROYAL OAKS II	LEE ROAD 208	PHENIX CITY	AL
RT TRANSPORTATION	4414 BRIDGEWATER CIRCLE	PHENIX CITY	AL
RUSSELL CO COMMUNITY HOSPITAL DBA JACK HUGHSTON MEMORIAL HOSPITAL	4401 RIVER CHASE DR	PHENIX CITY	AL
S&S CLEANERS INC DBA TRI CITY CLEANERS	700 13TH ST	PHENIX CITY	AL
SA RECYCLING	309 STATE DOCK ROAD	PHENIX CITY	AL
SHADOW WOOD COMMERCIAL	HWY 280/431 BETWEEN OPELIKA & PHENIX CITY	PHENIX CITY	AL
SHERMAN INDUSTRIES LLC - PHENIX CITY PLANT	25 6TH PLACE SOUTH	PHENIX CITY	AL
SMITH CONTRACT PAINTING	93 LEE ROAD 212	PHENIX CITY	AL
SMITHS STATION STORAGE	110 LEE ROAD 562	PHENIX CITY	AL
SOUTHEAST TRUCK & TRAILER REFURBISHERS INC	800 MEADOWLANE DRIVE	PHENIX CITY	AL

SUMMER VINEYARD S/D	WHITEROCK RD AT HWY 80 E	PHENIX CITY	AL
TAYLOR PARTS INC.	1921 CRAWFORD RD	PHENIX CITY	AL
TAYLOR PARTS OF COLUMBUS INC	1012 THIRTEENTH STREET	PHENIX CITY	AL
THE BATTERY MAN	39 SPRING VALLY ROAD	PHENIX CITY	AL
THE HOME DEPOT #HD0817	3784 HWY 280 -431 NORTH	PHENIX CITY	AL
THE VILLAGE AT CROSSWINDS	US HWY 431	PHENIX CITY	AL
TIRE ENGINEERS	5370 RIVERCHASE RD	PHENIX CITY	AL
TNT CUSTOM BUILT CABINETS	330 LEE ROAD 456	PHENIX CITY	AL
TOMMY'S BODY SHOP	1015 12TH PLACE	PHENIX CITY	AL
TRACTOR SUPPLY COMPANY #1719	2012 HWY 280-431 N	PHENIX CITY	AL
UCHEE MINE	HIGHWAY 80	PHENIX CITY	AL
UPS GROUND FREIGHT-PHENIX CITY	900 SOUTH BRICKYARD ROAD	PHENIX CITY	AL
VECTORPLY CORPORATION	3503 LAKEWOOD DRIVE	PHENIX CITY	AL
VOGUE INTERNATIONAL., PHENIX CITY DISTRIBUTION CENTER	903 FONTAINE ROAD	PHENIX CITY	AL
WADE STORE ALL	PIERCE ROAD @ PHENIX DRIVE	PHENIX CITY	AL
WAL-MART SUPERCENTER #1284	3700 HWY 280/431 NORTH	PHENIX CITY	AL
WALMART NEIGHBORHOOD MARKET #5903	3864 US HIGHWAY 80 WEST	PHENIX CITY	AL
WATERFORD SUBDIVISION	LEE ROAD 240 @ LEE ROAD 464	PHENIX CITY	AL
WILLOW TRACE	WILLOW BRANCH DRIVE	PHENIX CITY	AL
WILLOW TRACE SUBDIVISION- LOTS 1, 7, 56-61, 65-68, 72-82, 84-89, 91-100, 103-149	WEST OF KNOWLES ROAD; JUST SOUTH OF SUMMERWIND DR	PHENIX CITY	AL
WOMMACK ROAD DIRT PIT	INTERSECTION OF US HWY 80 & WOMMACK ROAD	PHENIX CITY	AL
ZIPPY MART AL-553	1412 14TH ST	PHENIX CITY	AL

Potential Generating Sites Map



Sanitary Sewer Map



Action Center

(Example)

John B. Greene

From: Do Not Reply
Sent: Tuesday, January 26, 2021 11:44 AM
To: Angel Moore; Kathy Jo Davis; Benjamin Chastain; John B. Greene
Subject: Action Center Request "Storm Drains & Flooding"
Attachments: 3E523D92-0669-4896-848B-5D985618A1A2.jpeg

From: Tyrone Wilson
Subject: Action Center Request

Message Body:

Nature of Problem: Storm Drains & Flooding

Description of Problem: The water from the street runs directly down my driveway and water sits at my garage door and floods my yard.

Location: Address: 3706 Elm Ridge Drive, Phenix City, AL. 36880

Nearest intersection: Hickory Ridge Drive and Elm Ridge Drive.

Contact Information

Name: Tyrone Wilson
Email: [redacted]
Phone Number: [redacted]

--
This email was sent from the Action Center on Phenix City, Alabama's official website (https://phenixcityal.us)

Land Disturbing Permit

(Example)

PHENIX CITY, ALABAMA

LAND DISTURBING PERMIT

ENGINEERING DEPARTMENT PHONE 334-448-2760

PERMIT NO. **20-05**

Owner: **Dollar Tree**

Contractor: **Termac Construction, Inc.**

Address: **Compromise Court**

PERMIT ISSUANCE FOR:

Dollar Tree US 80 Ladonia

POST THIS CARD

NOTIFY ENGINEERING DEPARTMENT 48 HOURS

PRIOR TO COMMENCING WORK

APPROVED PLANS MUST BE RETAINED ON THE JOB SITE AND THIS CARD KEPT POSTED UNTIL FINAL INSPECTION HAS BEEN MADE.

THIS APPROVAL IN NO WAY RELIEVES THE PROPERTY OWNER, CONTRACTOR, ENGINEER OR OTHER AGENT OF HIS DAMAGE TO ADJACENT PROPERTIES AND LIABILITY RESULTING THERE FROM AND SHALL NOT CONSTITUTE AN ASSUMPTION OF LIABILITY BY THE CITY OF PHENIX CITY FOR DAMAGES CAUSED BY CONSTRUCTION AND/OR GRADING PERFORMED UNDER SAID PLANS AND PERMITS.

DO NOT REMOVE OR DEFACE THIS CARD UNTIL CONSTRUCTION IS COMPLETE

Construction Site Inspection

(Example, Resolved Following Verbal Notice)

City of Phenix City Engineering Department

INSPECTION REPORT

DATE 12/2/2020 TIME 3:10PM PROJECT/SUBDIVISION Dollar Tree Ladonia
WEATHER Sunny CITY PERSONNEL Bo / Jimmy

DAILY REPORT OF ACTIVITIES

I spoke with Scott who works with the contractor of the job site BASH. They are planning to begin installing storm pipes. Some silt fence at the perimeter of the job site (North west corner) needed maintenance I told Scott and he said a crew will be fixing silt fence by the end of the week.

INSPECTION BY: John B Greene

Example of construction site after corrective action

Post Construction Inspection

(Examples)

Example of a Properly Maintained Detention Pond

PHENIX CITY Alabama

DEPARTMENT OF ENGINEERING / PUBLIC WORKS

601 12th Street | Phenix City, AL 36867 | Ph: 334-448-2760 | Fx: 334-291-4848 | phenixcityal.us

VIA CERTIFIED MAIL

August 8, 2020

The Cirignano Family Trust Limited Partnership
PO Box 1356
Bayville, NY 11709

Re: Goodwill Detention Pond

Dear Sir or Madam:

A representative of the City of Phenix City Engineering Department conducted a routine detention pond inspection for the above referenced site. During the inspection, no deficiencies were noted.

Thank you for your upkeep of this pond. Detention ponds are subject to an annual inspection. If you have any questions, you may contact the Engineering Department at 334-448-2760.

Sincerely,

Angel Moore, P.E.
City Engineer

Cc: File

City of Phenix City Engineering Department

DETENTION POND INSPECTION FORM

SITE: Goodwill 280 DATE: 07/22/2020 TIME 2:40PM

MAINTAINED BY: The Cirignano Family Trust Limited Partnership

PHOTOGRAHS TAKEN: Y ☑ N ☐ NUMBER OF PONDS ONSITE: 1

ITEMS INSPECTED

VEGETATIVE COVER: Grass that has been mowed recently to correct height.

SEDIMENT: No visible sediment or other erosion

DEBRIS: No visible debris

FENCING: Chain-link fence surrounds detention pond

INLETS: Inlets are free of obstruction

EMERGENCY SPILLWAY: All slopes are in good standing

COMMENTS/CORRECTIVE ACTION NEEDED: No corrective action is needed at this time.

INSPECTION BY: John B Greene

Example of Pond Before and After Maintenance

City of Phenix City Engineering Department

DETENTION POND INSPECTION FORM

SITE: Brandywine DATE: 6/15/2020 TIME 9:01AM

MAINTAINED BY: Brandywine Homeowners Association

PHOTOGRAHS TAKEN: Y ☑ N ☐ NUMBER OF PONDS ONSITE: 1

ITEMS INSPECTED

VEGETATIVE COVER: Grass, weeds, small tree saplings are at a height taller than 6 inches

SEDIMENT: No visible sediment or other erosion

DEBRIS: No visible debris

FENCING: Chainlink fence is around pond in good standing

INLETS: Inlets are free of obstruction

EMERGENCY SPILLWAY: All slopes are in good standing

COMMENTS/CORRECTIVE ACTION NEEDED: Vegetation needs to be cut/ mowed to correct height

INSPECTION BY: Bo Greene

PHENIX CITY Alabama

DEPARTMENT OF ENGINEERING / PUBLIC WORKS

601 12th Street | Phenix City, AL 36867 | Ph: 334-448-2760 | Fx: 334-291-4848 | phenixcityal.us

VIA CERTIFIED MAIL

July 7, 2020

Brandywine Homeowners Association
c/o B&B Holdings, LLC
Attn.: Mr. Mike Barbee
953 W. Choctawhatchee Drive
Niceville, FL 32578

Re: Brandywine Phase IV Detention Pond

Dear Mr. Barbee:

A representative of the City of Phenix City Engineering Department conducted a routine detention pond inspection for the above referenced site.

The following issues need to be addressed:

1) All tree saplings, brush, and debris must be removed from the basin.
2) All grass and vegetation must be kept at a minimum height of no more than 6 inches.

This detention pond falls under the Erosion and Sediment Control Policy of the City of Phenix City, amended by Ordinance No. 2007-07. A copy of this policy is available on the City's website: www.phenixcityal.us. The above deficiencies must be corrected within **15 days** of receipt of this notification letter. Failure to comply could result in the City of Phenix City issuing a citation. If you have any questions, you may contact the Engineering Department at 334-448-2760.

Sincerely,

Angel Moore, P.E.
City Engineer

Cc: File

Municipal Facility BMP Inspection Checklist

(Example)

MUNICIPAL FACILITY BMP INSPECTION CHECKLIST

Facility Name: Phenix City Wastewater Treatment Plant
Location: 1600 East State Docks Rd. Phenix City Al, 36869
Department: Utilities
Facility Contact: Charles Woody
Inspection Date: 1/25/21 **Time:** 11:20am
Inspector: Cody Gray

	Yes	No	N/A	Comments
Overall Facility				
Work areas clear of trash, chemicals	✓			
Traffic routes clear of trash, chemicals	✓			
Fencing, gating, or lighting is functional	✓			
Spill control supplies fully stocked	✓			
Signs of erosion in vegetated areas	✓			PW Valve, RAS/WAS Stat., Rd by Shed, MLSS Basin
Interior Chemical Storage				
Materials stored in designated locations	✓			
SDS sheets available	✓			
Containers labeled	✓			
Containers stored away from driving lanes, aisles, or doorways				
Accumulated liquids in spill pallets			✓	
Waste Storage Area				
Waste containers labeled	✓			
Containers stored away from driving lanes, aisles, or doorways	✓			
Waste containers closed when material is not being added	✓			
Waste containers over 3/4 full		✓		
Accumulated liquids in spill pallets			✓	
Spill control supplies fully stocked	✓			
Driving and Parking Areas				
Stains or puddles of chemicals present		✓		
Vehicle Wash Areas				
Foam or sheen present		✓		
Staining present at the facility outfall(s)		✓		
Other				

List of Municipal Facilities

Cemetery – 1206 7th Avenue

Fire Station No. 1 – 1910 Crawford Road

Fire Station No. 3 – 510 South Seale Road

Fire Station No. 4 – 1300 Airport Road

Lakewood Golf Course – 2800 Lakewood Drive

Parks and Recreation Maintenance Shop – 1150 Airport Road

Public Safety Building – 1111 Broad Street

Public Works – 1111 Broad Street, Building B

Utility Department – 1118 Broad Street

Water Filtration Plant – 1100 32nd Street

Waste Water Treatment Plant – 1600 East State Docks Road

Vehicle Maintenance and Inspection

(Example)

Phenix City Engineering and Public Works

Fleet Maintenance Preliminary Worksheet

WO#	Date	Equipment Code	Equipment Name	Department	Odometer	Status
37994	03/19/21	ENG-29	2008 FORD F-150 EXT CAB 1FTRX14W58FC33078	6 - Engineering	44,890 M	Completed

Service / Repair Notes SERVICE

1 Due for Service
2
3 WC-
4 DUE SERVICE AGAIN AT 47890

Quantity	Part Number	Description	Unit Cost	Total Cost

Mechanic's Comments: **Mechanic's Hours:** _____

Mechanic: _____ **Checked By:** _____ **Date Completed:** _____

	PM Item Code / Name	Every	Last Service Date	WO#	Odometer
☐					

Part Number	Description	Quantity
15W40 (QT)	15w40	7.00

Monday

VEHICLE MAINTENANCE INSPECTION & CHECKLIST

VEHICLE/EQUIPMENT #: 106 Employee George miller Supervisor Jason Arnold

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
OPERATOR	George miller	George miller	George miller	George miller	George miller
DATE/TIME	1-4-21	1-5-21	1-6-21	1-7-21	1-8-21
HOURS/MILEAGE	139187	139191	139393	139475	139664
HORN/ALARM	ok	ok	ok	ok	ok
HOSES/BOLTS	ok	ok	ok	ok	ok
TRACK/TIRES	ok	ok	ok	ok	ok
ATTACHMENTS	ok	ok	ok	ok	ok
OIL/GREASE	ok	ok	ok	ok	ok
BRAKES/LIGHTS	ok	ok	ok	ok	ok
FUEL GAL./MILEAGE					
SERVICE MILEAGE	140820	140820	140820	140820	140820

Municipal Training

Employee Training at the Idle Hour Community Center

Qualified Credentialed Inspectors (QCIs)
Certifications

ADEM
Alabama Department of Environmental Management

QCI Training Program

thompson

Certificate of Completion

is hereby granted to:

Paul Chastain

City of Phenix City

for satisfactory completion of

Online Refresher Training

QCI No. T0716
Expires 3/30/2022

This certificate confers four (4.0) professional development hour (PDH) equivalents to students who require credits for licenses or certifications. Such PDHs are subject to the qualifying requirements of the licensing or certifying organization.

ADEM
Alabama Department of Environmental Management

QCI Training Program

thompson
ENGINEERING

Certificate of Completion

is hereby granted to:

John Boren Greene

City of Phenix City

for satisfactory completion of

Online Refresher Training

QCI No. T5719

Expires 7/19/2021

This certificate confers four (4.0) professional development hour (PDH) equivalents to students who require credits for licenses or certifications. Such PDHs are subject to the qualifying requirements of the licensing or certifying organization.

ADEM
Alabama Department of Environmental Management

QCI Training Program

thompson
ENGINEERING

Certificate of Completion

is hereby granted to:

Jimmy Cook

City of Phenix City Engineering

for satisfactory completion of

Online Refresher Training

QCI No. T6191

Expires 7/25/2021

This certificate confers four (4.0) professional development hour (PDH) equivalents to students who require credits for licenses or certifications. Such PDHs are subject to the qualifying requirements of the licensing or certifying organization.

This certifies that

Richard Carlson of the City of Phenix City

has successfully completed the

QUALIFIED CREDENTIALED INSPECTOR TRAINING FOR CONSTRUCTION SITE STORMWATER MANAGEMENT

offered by the

HOME BUILDERS ASSOCIATION OF ALABAMA

QUALIFIED CREDENTIALED INSPECTOR

Protecting our environment through stormwater management

HOME BUILDERS ASSOCIATION OF ALABAMA

J M Brown

03/02/2021

Signature *Date*

QCI NUMBER 63899
VALID THROUGH FEBRUARY 27, 2022

Water Monitoring

ALABAMA WATER WATCH

SAMPLING SITE DATA

Sampling Sites: Remember the general factors to consider when selecting a water monitoring site: to be safe, convenient and accessible, to have legal access and to be strategic. Optimal water monitoring sites are those that provide the best information to satisfy objectives with the least amount of effort. Choose a site that is not too difficult or dangerous to access and is strategically located to be tested in an efficient manner. It is essential to know the precise location of a monitoring site for full use of the data. Please carefully describe your site information, and submit this form with your first set of data taken at the site.

Monitor(s): Bo Greene, Paul Chastain, Jimmy Cook

Contact Phone Number: 334-448-2760

AWW Group Affiliation (e.g. Little River Watch) Phenix City Engineering Department

Waterbody: Holland Creek

Watershed: Chattahoochee River

County and State Where Site Is Located: Russell County, Alabama

Site Location Description: Be very detailed. Include information such as the name or number of the nearest road. Indicate if it is upstream or downstream of a bridge, etc. Please submit a map, a photo (optional) and a geo-reference. Call the AWW Office for assistance.

Downstream of bridge at Lakewood Drive

Latitude: 32.496992 **Longitude** -85.033989

**********Do not write below this line. AWW Office use only.**********

AWW Site Code Number* _____ **HUC12 Number** _____

* An 8-digit number will be assigned by the Alabama Water Watch office when the above information is submitted along with the first water monitoring data form. This Site Code is based on the watershed, group and specific location of the site.

Alabama Water Watch

Alabama Water Watch
559 Devall Drive
Auburn, AL 36849-5124

Toll Free: 1-888-844-4785

Email: awwprog@auburn.edu
Website: www.alabamawaterwatch.org

ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: Phenix City Engineering Department ☐ online

Collector(s): Bo Greene, Paul Chastain Address: 1206 7th Avenue

City: Phenix City State: AL Zip: 36867 Phone N°: (334) 448-2768

Sample Date: 6/29/2020 Sample Time: 10:26AM AWW Site Code: 03015011

Watershed: Chattahoochee Waterbody: Holland Creek County & State: Russell

Sampling site location: Downstream of bridge at Lakewood Drive

(Notify the AWW office about any changes in sampling site location.)

Waterbody condition: ☑ Adequate Depth ☐ Inadequate Depth ☐ Dry ☐ No Access

Tidally influenced rivers: ☐ Rising Tide ☐ Falling Tide ☐ Uncertain ☑ No Applicable

Variable	Value	Comments
Air Temperature	26 °C	Measure air temperature before water temperature.
Water Temperature	24.5 °C	Avoid touching thermometer bulb.
pH	7.0 Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: 6.4 ppm Rep 2: 6.6 ppm	Make sure two readings are within 0.6 ppm.
Specific Gravity / Salinity	S. G. _____ Salinity: _____ ppt	If salinity is present do not test for hardness.
% Oxygen Saturation	6.5 Avg DO 77.94 % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	5 # drops x 5 = 25 mg/L	Add drops until no more color change. Record number of drops that produced final change.
Total Hardness	2 # drops x 10 = 20 mg/L	
Turbidity	0 # 0.5 mL x 5 (50mL) = 2 JTU ____ # 0.5 mL x 10 (25mL) _____ JTU	Use bottom line only if sample volume used was 25 mL. Enter zero (0) mL and 2 JTU if one addition of reagent surpassed the turbidity of the sample.
Secchi Depth	_____ meters	Do not record depth if disk hits bottom while visible.

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc.	AWW Office Use
Test site established for ADEM Permit ALR040019	

Other Chemistry Tests		YSI Meter data, Nitrates, Phosphate, etc.

I hereby declare that at the time of this water sampling my AWW Water Chemistry Certification was current and that I confirmed the freshness of each reagent used for these tests. All data entered above the **Comments** section were obtained using AWW techniques.

☒ **Check for electronic signature.** Bo Greene

Monitor signature

Alabama Water Watch 2013

Alabama Water Watch
559 Devall Dr.
Auburn University, AL 36849-5124

Toll Free: 1-888-844-4785

Email: awwprog@auburn.edu
Website: www.alabamawaterwatch.org

ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: Phenix City Engineering Department ☐ online

Collector(s): Bo Greene, Paul Chastain Address: 1206 7th Avenue

City: Phenix City State: AL Zip: 36867 Phone N°: (334) 448-2768

Sample Date: 9/28/2020 Sample Time: 8:50AM AWW Site Code: 03015011

Watershed: Chattahoochee Waterbody: Holland Creek County & State: Russell

Sampling site location: Downstream of bridge at Lakewood Drive

(Notify the AWW office about any changes in sampling site location.)

Waterbody condition: ☑ Adequate Depth ☐ Inadequate Depth ☐ Dry ☐ No Access

Tidally influenced rivers: ☐ Rising Tide ☐ Falling Tide ☐ Uncertain ☑ No Applicable

Variable	Value	Comments
Air Temperature	21 °C	Measure air temperature before water temperature.
Water Temperature	21.0 °C	Avoid touching thermometer bulb.
pH	7.0 Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: 6.8 ppm Rep 2: 7.0 ppm	Make sure two readings are within 0.6 ppm.
Specific Gravity / Salinity	S. G. _____ Salinity: _____ ppt	If salinity is present do not test for hardness.
% Oxygen Saturation	6.9 Avg DO 77.38 % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	4 # drops x 5 = 20 mg/L	Add drops until no more color change. Record number of drops that produced final change.
Total Hardness	3 # drops x 10 = 30 mg/L	
Turbidity	0 # 0.5 mL x 5 (50mL) = 2 JTU ____ # 0.5 mL x 10 (25mL) _____ JTU	Use bottom line only if sample volume used was 25 mL. Enter zero (0) mL and 2 JTU if one addition of reagent surpassed the turbidity of the sample.
Secchi Depth	_____ meters	Do not record depth if disk hits bottom while visible.

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc.	AWW Office Use
Test site established for ADEM Permit ALR040019	

Other Chemistry Tests		YSI Meter data, Nitrates, Phosphate, etc.

I hereby declare that at the time of this water sampling my AWW Water Chemistry Certification was current and that I confirmed the freshness of each reagent used for these tests. All data entered above the **Comments** section were obtained using AWW techniques.

☒ **Check for electronic signature.** Bo Greene

Monitor signature

Alabama Water Watch 2013

Alabama Water Watch
559 Devall Dr.
Auburn University, AL 36849-5124

Toll Free: 1-888-844-4785

Email: awwprog@auburn.edu
Website: www.alabamawaterwatch.org

ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: Phenix City Engineering Department ☐ online

Collector(s): Bo Greene, Paul Chastain Address: 1206 7th Avenue

City: Phenix City State: AL Zip: 36867 Phone N°: (334) 448-2768

Sample Date: 12/28/2020 Sample Time: _____ AWW Site Code: 03015011

Watershed: Chattahoochee Waterbody: Holland Creek County & State: Russell

Sampling site location: Downstream of bridge at Lakewood Drive

(Notify the AWW office about any changes in sampling site location.)

Waterbody condition: ☑ Adequate Depth ☐ Inadequate Depth ☐ Dry ☐ No Access

Tidally influenced rivers: ☐ Rising Tide ☐ Falling Tide ☐ Uncertain ☑ No Applicable

Variable	Value	Comments
Air Temperature	17 °C	Measure air temperature before water temperature.
Water Temperature	8.0 °C	Avoid touching thermometer bulb.
pH	7.0 Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: 10.0 ppm Rep 2: 10.0 ppm	Make sure two readings are within 0.6 ppm.
Specific Gravity / Salinity	S. G. _____ Salinity: _____ ppt	If salinity is present do not test for hardness.
% Oxygen Saturation	10 Avg DO 84.44 % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	4 # drops x 5 = 20 mg/L	Add drops until no more color change. Record number of drops that produced final change.
Total Hardness	4 # drops x 10 = 40 mg/L	
Turbidity	5 # 0.5 mL x 5 (50mL) = 25 JTU ____ # 0.5 mL x 10 (25mL) _____ JTU	Use bottom line only if sample volume used was 25 mL. Enter zero (0) mL and 2 JTU if one addition of reagent surpassed the turbidity of the sample.
Secchi Depth	_____ meters	Do not record depth if disk hits bottom while visible.

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc.	AWW Office Use
Test site established for ADEM Permit ALR040019	

Other Chemistry Tests		YSI Meter data, Nitrates, Phosphate, etc.

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Alabama Water Watch 2013

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ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: Phenix City Engineering Department ☐ online

Collector(s): Bo Greene, Paul Chastain Address: 1206 7th Avenue

City: Phenix City State: AL Zip: 36867 Phone N°: (334) 448-2768

Sample Date: 3/30/2021 Sample Time: 9:00AM AWW Site Code: 03015011

Watershed: Chattahoochee Waterbody: Holland Creek County & State: Russell

Sampling site location: Downstream of bridge at Lakewood Drive

(Notify the AWW office about any changes in sampling site location.)

Waterbody condition: ☑ Adequate Depth ☐ Inadequate Depth ☐ Dry ☐ No Access

Tidally influenced rivers: ☐ Rising Tide ☐ Falling Tide ☐ Uncertain ☑ No Applicable

Variable	Value	Comments
Air Temperature	14 °C	Measure air temperature before water temperature.
Water Temperature	17.0 °C	Avoid touching thermometer bulb.
pH	7.0 Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: 7.8 ppm Rep 2: 7.6 ppm	Make sure two readings are within 0.6 ppm.
Specific Gravity / Salinity	S. G. _____ Salinity: _____ ppt	If salinity is present do not test for hardness.
% Oxygen Saturation	7.7 Avg DO 79.63 % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	4 # drops x 5 = 20 mg/L	Add drops until no more color change. Record number of drops that produced final change.
Total Hardness	4 # drops x 10 = 40 mg/L	
Turbidity	2 # 0.5 mL x 5 (50mL) = 10 JTU ____ # 0.5 mL x 10 (25mL) _____ JTU	Use bottom line only if sample volume used was 25 mL. Enter zero (0) mL and 2 JTU if one addition of reagent surpassed the turbidity of the sample.
Secchi Depth	_____ meters	Do not record depth if disk hits bottom while visible.

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc.	AWW Office Use
Test site established for ADEM Permit ALR040019	

Other Chemistry Tests		YSI Meter data, Nitrates, Phosphate, etc.

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Alabama Water Watch 2013

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ALABAMA WATER WATCH

SAMPLING SITE DATA

Sampling Sites: Remember the general factors to consider when selecting a water monitoring site: to be safe, convenient and accessible, to have legal access and to be strategic. Optimal water monitoring sites are those that provide the best information to satisfy objectives with the least amount of effort. Choose a site that is not too difficult or dangerous to access and is strategically located to be tested in an efficient manner. It is essential to know the precise location of a monitoring site for full use of the data. Please carefully describe your site information, and submit this form with your first set of data taken at the site.

Monitor(s): Bo Greene, Paul Chastain, Jimmy Cook

Contact Phone Number: 334-448-2760

AWW Group Affiliation (e.g. Little River Watch) Phenix City Engineering Department

Waterbody: Holland "Mill" Creek

Watershed: Chattahoochee River

County and State Where Site Is Located: Russell County, Alabama

Site Location Description: Be very detailed. Include information such as the name or number of the nearest road. Indicate if it is upstream or downstream of a bridge, etc. Please submit a map, a photo (optional) and a geo-reference. Call the AWW Office for assistance.

Behind Public Works Shop off Broad Street

Latitude: 32.467588 **Longitude** -85.002205

**********Do not write below this line. AWW Office use only.**********

AWW Site Code Number* _____ **HUC12 Number** _____

* An 8-digit number will be assigned by the Alabama Water Watch office when the above information is submitted along with the first water monitoring data form. This Site Code is based on the watershed, group and specific location of the site.

Alabama Water Watch

Alabama Water Watch
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Website: www.alabamawaterwatch.org

ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: Phenix City Engineering Department ☐ online

Collector(s): Bo Greene, Paul Chastain Address: 1206 7th Avenue

City: Phenix City State: AL Zip: 36867 Phone N°: (334) 448-2768

Sample Date: 6/29/2020 Sample Time: 3:30PM AWW Site Code: 03020004

Watershed: Chattahoochee Waterbody: Mill Creek County & State: Russell

Sampling site location: Behind public works shop off Broad Street

(Notify the AWW office about any changes in sampling site location.)

Waterbody condition: ☑ Adequate Depth ☐ Inadequate Depth ☐ Dry ☐ No Access

Tidally influenced rivers: ☐ Rising Tide ☐ Falling Tide ☐ Uncertain ☑ No Applicable

Variable	Value	Comments
Air Temperature	25 °C	Measure air temperature before water temperature.
Water Temperature	26.5 °C	Avoid touching thermometer bulb.
pH	7.5 Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: 7.0 ppm Rep 2: 7.4 ppm	Make sure two readings are within 0.6 ppm.
Specific Gravity / Salinity	S. G. _____ Salinity: _____ ppt	If salinity is present do not test for hardness.
% Oxygen Saturation	7.2 Avg DO 89.57 % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	5 # drops x 5 = 25 mg/L	Add drops until no more color change. Record number of drops that produced final change.
Total Hardness	3 # drops x 10 = 30 mg/L	
Turbidity	0 # 0.5 mL x 5 (50mL) = 2 JTU ____ # 0.5 mL x 10 (25mL) _____ JTU	Use bottom line only if sample volume used was 25 mL. Enter zero (0) mL and 2 JTU if one addition of reagent surpassed the turbidity of the sample.
Secchi Depth	_____ meters	Do not record depth if disk hits bottom while visible.

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc.	AWW Office Use
Test site established for ADEM Permit ALR040019	

Other Chemistry Tests		YSI Meter data, Nitrates, Phosphate, etc.

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Alabama Water Watch 2013

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ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: Phenix City Engineering Department ☐ online

Collector(s): Bo Greene Address: 1206 7th Avenue

City: Phenix City State: AL Zip: 36867 Phone N°: (334) 448-2768

Sample Date: 9/28/2020 Sample Time: 10:50AM AWW Site Code: 03020004

Watershed: Chattahoochee Waterbody: Mill Creek County & State: Russell

Sampling site location: Behind public works shop off Broad Street

(Notify the AWW office about any changes in sampling site location.)

Waterbody condition: ☑ Adequate Depth ☐ Inadequate Depth ☐ Dry ☐ No Access

Tidally influenced rivers: ☐ Rising Tide ☐ Falling Tide ☐ Uncertain ☑ No Applicable

Variable	Value	Comments
Air Temperature	21 °C	Measure air temperature before water temperature.
Water Temperature	21.0 °C	Avoid touching thermometer bulb.
pH	7.0 Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: 6.8 ppm Rep 2: 7.2 ppm	Make sure two readings are within 0.6 ppm.
Specific Gravity / Salinity	S. G. _____ Salinity: _____ ppt	If salinity is present do not test for hardness.
% Oxygen Saturation	7 Avg DO 78.50 % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	5 # drops x 5 = 25 mg/L	Add drops until no more color change. Record number of drops that produced final change.
Total Hardness	3 # drops x 10 = 30 mg/L	
Turbidity	0 # 0.5 mL x 5 (50mL) = 2 JTU ____ # 0.5 mL x 10 (25mL) _____ JTU	Use bottom line only if sample volume used was 25 mL. Enter zero (0) mL and 2 JTU if one addition of reagent surpassed the turbidity of the sample.
Secchi Depth	_____ meters	Do not record depth if disk hits bottom while visible.

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc.

AWW Office Use

Test site established for ADEM Permit ALR040019

Other Chemistry Tests		YSI Meter data, Nitrates, Phosphate, etc.

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Alabama Water Watch 2013

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ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: Phenix City Engineering Department ☐ online

Collector(s): Bo Greene, Paul Chastain Address: 1206 7th Avenue

City: Phenix City State: AL Zip: 36867 Phone N°: (334) 448-2768

Sample Date: 12/28/2020 Sample Time: _____ AWW Site Code: 03020004

Watershed: Chattahoochee Waterbody: Mill Creek County & State: Russell

Sampling site location: Behind public works shop off Broad Street

(Notify the AWW office about any changes in sampling site location.)

Waterbody condition: ☑ Adequate Depth ☐ Inadequate Depth ☐ Dry ☐ No Access

Tidally influenced rivers: ☐ Rising Tide ☐ Falling Tide ☐ Uncertain ☑ No Applicable

Variable	Value	Comments
Air Temperature	14 °C	Measure air temperature before water temperature.
Water Temperature	8.0 °C	Avoid touching thermometer bulb.
pH	7.5 Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: 9.8 ppm Rep 2: 10.0 ppm	Make sure two readings are within 0.6 ppm.
Specific Gravity / Salinity	S. G. _____ Salinity: _____ ppt	If salinity is present do not test for hardness.
% Oxygen Saturation	9.9 Avg DO 84.21 % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	4 # drops x 5 = 20 mg/L	Add drops until no more color change. Record number of drops that produced final change.
Total Hardness	5 # drops x 10 = 50 mg/L	
Turbidity	2 # 0.5 mL x 5 (50mL) = 10 JTU ____ # 0.5 mL x 10 (25mL) _____ JTU	Use bottom line only if sample volume used was 25 mL. Enter zero (0) mL and 2 JTU if one addition of reagent surpassed the turbidity of the sample.
Secchi Depth	_____ meters	Do not record depth if disk hits bottom while visible.

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc.	AWW Office Use
Test site established for ADEM Permit ALR040019	

Other Chemistry Tests		YSI Meter data, Nitrates, Phosphate, etc.

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Alabama Water Watch 2013

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Website: www.alabamawaterwatch.org

ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: Phenix City Engineering Department ☐ online

Collector(s): Bo Greene Address: 1206 7th Avenue

City: Phenix City State: AL Zip: 36867 Phone N°: (334) 448-2768

Sample Date: 3/30/2021 Sample Time: 11:00AM AWW Site Code: 03020004

Watershed: Chattahoochee Waterbody: Mill Creek County & State: Russell

Sampling site location: Behind public works shop off Broad Street

(Notify the AWW office about any changes in sampling site location.)

Waterbody condition: ☑ Adequate Depth ☐ Inadequate Depth ☐ Dry ☐ No Access

Tidally influenced rivers: ☐ Rising Tide ☐ Falling Tide ☐ Uncertain ☑ No Applicable

Variable	Value	Comments
Air Temperature	17.2 °C	Measure air temperature before water temperature.
Water Temperature	15.0 °C	Avoid touching thermometer bulb.
pH	7.0 Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: 8.8 ppm Rep 2: 8.8 ppm	Make sure two readings are within 0.6 ppm.
Specific Gravity / Salinity	S. G. _____ Salinity: _____ ppt	If salinity is present do not test for hardness.
% Oxygen Saturation	8.8 Avg DO 87.88 % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	3 # drops x 5 = 15 mg/L	Add drops until no more color change. Record number of drops that produced final change.
Total Hardness	4 # drops x 10 = 40 mg/L	
Turbidity	2 # 0.5 mL x 5 (50mL) = 10 JTU ____ # 0.5 mL x 10 (25mL) _____ JTU	Use bottom line only if sample volume used was 25 mL. Enter zero (0) mL and 2 JTU if one addition of reagent surpassed the turbidity of the sample.
Secchi Depth	_____ meters	Do not record depth if disk hits bottom while visible.

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc.	AWW Office Use
Test site established for ADEM Permit ALR040019	

Other Chemistry Tests		YSI Meter data, Nitrates, Phosphate, etc.

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ALABAMA WATER WATCH

SAMPLING SITE DATA

Sampling Sites: Remember the general factors to consider when selecting a water monitoring site: to be safe, convenient and accessible, to have legal access and to be strategic. Optimal water monitoring sites are those that provide the best information to satisfy objectives with the least amount of effort. Choose a site that is not too difficult or dangerous to access and is strategically located to be tested in an efficient manner. It is essential to know the precise location of a monitoring site for full use of the data. Please carefully describe your site information, and submit this form with your first set of data taken at the site.

Monitor(s): Bo Greene, Paul Chastain, Jimmy Cook

Contact Phone Number: 334-448-2760

AWW Group Affiliation (e.g. Little River Watch) Phenix City Engineering Department

Waterbody: Mill Creek

Watershed: Chattahoochee River

County and State Where Site Is Located: Russell County, Alabama

Site Location Description: Be very detailed. Include information such as the name or number of the nearest road. Indicate if it is upstream or downstream of a bridge, etc. Please submit a map, a photo (optional) and a geo-reference. Call the AWW Office for assistance.

In close proximity to where Mill Creek enters the Phenix City MS4

Latitude: 32.488050 **Longitude** -85.060822

**********Do not write below this line. AWW Office use only.**********

AWW Site Code Number* _____ **HUC12 Number** _____

* An 8-digit number will be assigned by the Alabama Water Watch office when the above information is submitted along with the first water monitoring data form. This Site Code is based on the watershed, group and specific location of the site.

Alabama Water Watch

Alabama Water Watch
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ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: Phenix City Engineering Department ☐ online

Collector(s): Bo Greene, Paul Chastain Address: 1206 7th Avenue

City: Phenix City State: AL Zip: 36867 Phone N°: (334) 448-2768

Sample Date: 6/29/2020 Sample Time: 2:38PM AWW Site Code: 03020001

Watershed: Chattahoochee Waterbody: Mill Creek County & State: Russell

Sampling site location: Where Mill Creek enters Phenix City MS4

(Notify the AWW office about any changes in sampling site location.)

Waterbody condition: ☑ Adequate Depth ☐ Inadequate Depth ☐ Dry ☐ No Access

Tidally influenced rivers: ☐ Rising Tide ☐ Falling Tide ☐ Uncertain ☑ No Applicable

Variable	Value	Comments
Air Temperature	28 °C	Measure air temperature before water temperature.
Water Temperature	24.5 °C	Avoid touching thermometer bulb.
pH	7.0 Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: 5.2 ppm Rep 2: 5.2 ppm	Make sure two readings are within 0.6 ppm.
Specific Gravity / Salinity	S. G. _____ Salinity: _____ ppt	If salinity is present do not test for hardness.
% Oxygen Saturation	5.2 Avg DO 62.35 % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	5 # drops x 5 = 25 mg/L	Add drops until no more color change. Record number of drops that produced final change.
Total Hardness	3 # drops x 10 = 30 mg/L	
Turbidity	0 # 0.5 mL x 5 (50mL) = 2 JTU ____ # 0.5 mL x 10 (25mL) _____ JTU	Use bottom line only if sample volume used was 25 mL. Enter zero (0) mL and 2 JTU if one addition of reagent surpassed the turbidity of the sample.
Secchi Depth	_____ meters	Do not record depth if disk hits bottom while visible.

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc.	AWW Office Use
Test site established for ADEM Permit ALR040019	

Other Chemistry Tests		YSI Meter data, Nitrates, Phosphate, etc.

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ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: Phenix City Engineering Department ☐ online

Collector(s): Bo Greene, Paul Chastain Address: 1206 7th Avenue

City: Phenix City State: AL Zip: 36867 Phone N°: (334) 448-2768

Sample Date: 9/28/2020 Sample Time: 8:50AM AWW Site Code: 03020001

Watershed: Chattahoochee Waterbody: Mill Creek County & State: Russell

Sampling site location: Where Mill Creek enters Phenix City MS4

(Notify the AWW office about any changes in sampling site location.)

Waterbody condition: ☑ Adequate Depth ☐ Inadequate Depth ☐ Dry ☐ No Access

Tidally influenced rivers: ☐ Rising Tide ☐ Falling Tide ☐ Uncertain ☑ No Applicable

Variable	Value	Comments
Air Temperature	21 °C	Measure air temperature before water temperature.
Water Temperature	21.0 °C	Avoid touching thermometer bulb.
pH	7.0 Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: 6.8 ppm Rep 2: 7.0 ppm	Make sure two readings are within 0.6 ppm.
Specific Gravity / Salinity	S. G. _____ Salinity: _____ ppt	If salinity is present do not test for hardness.
% Oxygen Saturation	6.9 Avg DO 77.38 % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	4 # drops x 5 = 20 mg/L	Add drops until no more color change. Record number of drops that produced final change.
Total Hardness	3 # drops x 10 = 30 mg/L	
Turbidity	0 # 0.5 mL x 5 (50mL) = 2 JTU ____ # 0.5 mL x 10 (25mL) _____ JTU	Use bottom line only if sample volume used was 25 mL. Enter zero (0) mL and 2 JTU if one addition of reagent surpassed the turbidity of the sample.
Secchi Depth	_____ meters	Do not record depth if disk hits bottom while visible.

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc.

AWW Office Use

Test site established for ADEM Permit ALR040019

Other Chemistry Tests		YSI Meter data, Nitrates, Phosphate, etc.

I hereby declare that at the time of this water sampling my AWW Water Chemistry Certification was current and that I confirmed the freshness of each reagent used for these tests. All data entered above the **Comments** section were obtained using AWW techniques.

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Alabama Water Watch 2013

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ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: Phenix City Engineering Department ☐ online

Collector(s): Bo Greene, Paul Chastain Address: 1206 7th Avenue

City: Phenix City State: AL Zip: 36867 Phone N°: (334) 448-2768

Sample Date: 12/28/2020 Sample Time: _____ AWW Site Code: 03020001

Watershed: Chattahoochee Waterbody: Mill Creek County & State: Russell

Sampling site location: Where Mill Creek enters Phenix City MS4

(Notify the AWW office about any changes in sampling site location.)

Waterbody condition: ☑ Adequate Depth ☐ Inadequate Depth ☐ Dry ☐ No Access

Tidally influenced rivers: ☐ Rising Tide ☐ Falling Tide ☐ Uncertain ☑ No Applicable

Variable	Value	Comments
Air Temperature	18 °C	Measure air temperature before water temperature.
Water Temperature	8.0 °C	Avoid touching thermometer bulb.
pH	7.0 Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: 8.8 ppm Rep 2: 8.8 ppm	Make sure two readings are within 0.6 ppm.
Specific Gravity / Salinity	S. G. _____ Salinity: _____ ppt	If salinity is present do not test for hardness.
% Oxygen Saturation	8.8 Avg DO 74.30 % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	3 # drops x 5 = 15 mg/L	Add drops until no more color change. Record number of drops that produced final change.
Total Hardness	4 # drops x 10 = 40 mg/L	
Turbidity	1 # 0.5 mL x 5 (50mL) = 5 JTU ____ # 0.5 mL x 10 (25mL) _____ JTU	Use bottom line only if sample volume used was 25 mL. Enter zero (0) mL and 2 JTU if one addition of reagent surpassed the turbidity of the sample.
Secchi Depth	_____ meters	Do not record depth if disk hits bottom while visible.

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc.	AWW Office Use
Test site established for ADEM Permit ALR040019	

Other Chemistry Tests		YSI Meter data, Nitrates, Phosphate, etc.

I hereby declare that at the time of this water sampling my AWW Water Chemistry Certification was current and that I confirmed the freshness of each reagent used for these tests. All data entered above the **Comments** section were obtained using AWW techniques.

☒ **Check for electronic signature.** Bo Greene

Monitor signature

Alabama Water Watch 2013

Alabama Water Watch
559 Devall Dr.
Auburn University, AL 36849-5124

Toll Free: 1-888-844-4785

Email: awwprog@auburn.edu
Website: www.alabamawaterwatch.org

ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: Phenix City Engineering Department ☐ online

Collector(s): Bo Greene Address: 1206 7th Avenue

City: Phenix City State: AL Zip: 36867 Phone N°: (334) 448-2768

Sample Date: 3/30/2021 Sample Time: _____ AWW Site Code: 03020001

Watershed: Chattahoochee Waterbody: Mill Creek County & State: Russell

Sampling site location: Where Mill Creek enters Phenix City MS4

(Notify the AWW office about any changes in sampling site location.)

Waterbody condition: ☑ Adequate Depth ☐ Inadequate Depth ☐ Dry ☐ No Access

Tidally influenced rivers: ☐ Rising Tide ☐ Falling Tide ☐ Uncertain ☑ No Applicable

Variable	Value	Comments
Air Temperature	14.5 °C	Measure air temperature before water temperature.
Water Temperature	13.0 °C	Avoid touching thermometer bulb.
pH	7.0 Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: 7.4 ppm Rep 2: 7.6 ppm	Make sure two readings are within 0.6 ppm.
Specific Gravity / Salinity	S. G. _____ Salinity: _____ ppt	If salinity is present do not test for hardness.
% Oxygen Saturation	7.5 Avg DO 71.96 % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	4 # drops x 5 = 20 mg/L	Add drops until no more color change. Record number of drops that produced final change.
Total Hardness	4 # drops x 10 = 40 mg/L	
Turbidity	1 # 0.5 mL x 5 (50mL) = 5 JTU ____ # 0.5 mL x 10 (25mL) _____ JTU	Use bottom line only if sample volume used was 25 mL. Enter zero (0) mL and 2 JTU if one addition of reagent surpassed the turbidity of the sample.
Secchi Depth	_____ meters	Do not record depth if disk hits bottom while visible.

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc.	AWW Office Use
Test site established for ADEM Permit ALR040019	

Other Chemistry Tests		YSI Meter data, Nitrates, Phosphate, etc.

I hereby declare that at the time of this water sampling my AWW Water Chemistry Certification was current and that I confirmed the freshness of each reagent used for these tests. All data entered above the **Comments** section were obtained using AWW techniques.

☒ **Check for electronic signature.** Bo Greene

Monitor signature

Alabama Water Watch 2013

Alabama Water Watch
559 Devall Dr.
Auburn University, AL 36849-5124

Toll Free: 1-888-844-4785

Email: awwprog@auburn.edu
Website: www.alabamawaterwatch.org

ALABAMA WATER WATCH

SAMPLING SITE DATA

Sampling Sites: Remember the general factors to consider when selecting a water monitoring site: to be safe, convenient and accessible, to have legal access and to be strategic. Optimal water monitoring sites are those that provide the best information to satisfy objectives with the least amount of effort. Choose a site that is not too difficult or dangerous to access and is strategically located to be tested in an efficient manner. It is essential to know the precise location of a monitoring site for full use of the data. Please carefully describe your site information, and submit this form with your first set of data taken at the site.

Monitor(s): Bo Greene, Paul Chastain, Jimmy Cook

Contact Phone Number: 334-448-2760

AWW Group Affiliation (e.g. Little River Watch) Phenix City Engineering Department

Waterbody: Mill Creek

Watershed: Chattahoochee River

County and State Where Site Is Located: Russell County, Alabama

Site Location Description: Be very detailed. Include information such as the name or number of the nearest road. Indicate if it is upstream or downstream of a bridge, etc. Please submit a map, a photo (optional) and a geo-reference. Call the AWW Office for assistance.

In close proximity to the point that Mill Creek discharges to Holland Creek

Latitude: 32.488556 **Longitude** -85.030772

**********Do not write below this line. AWW Office use only.**********

AWW Site Code Number* _____ **HUC12 Number** _____

* An 8-digit number will be assigned by the Alabama Water Watch office when the above information is submitted along with the first water monitoring data form. This Site Code is based on the watershed, group and specific location of the site.

Alabama Water Watch

Alabama Water Watch
559 Devall Drive
Auburn, AL 36849-5124

Toll Free: 1-888-844-4785

Email: awwprog@auburn.edu
Website: www.alabamawaterwatch.org

ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: Phenix City Engineering Department ☐ online

Collector(s): Bo Greene, Paul Chastain Address: 1206 7th Avenue

City: Phenix City State: AL Zip: 36867 Phone N°: (334) 448-2768

Sample Date: 6/29/2020 Sample Time: 11:06AM AWW Site Code: 03020005

Watershed: Chattahoochee Waterbody: Mill Creek County & State: Russell

Sampling site location: Upstream Mill Creek and Holland Creek confluence

(Notify the AWW office about any changes in sampling site location.)

Waterbody condition: ☑ Adequate Depth ☐ Inadequate Depth ☐ Dry ☐ No Access

Tidally influenced rivers: ☐ Rising Tide ☐ Falling Tide ☐ Uncertain ☑ No Applicable

Variable	Value	Comments
Air Temperature	24 °C	Measure air temperature before water temperature.
Water Temperature	23.0 °C	Avoid touching thermometer bulb.
pH	7.0 Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: 6.0 ppm Rep 2: 6.2 ppm	Make sure two readings are within 0.6 ppm.
Specific Gravity / Salinity	S. G. _____ Salinity: _____ ppt	If salinity is present do not test for hardness.
% Oxygen Saturation	6.1 Avg DO 71.11 % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	5 # drops x 5 = 25 mg/L	Add drops until no more color change. Record number of drops that produced final change.
Total Hardness	2 # drops x 10 = 20 mg/L	
Turbidity	0 # 0.5 mL x 5 (50mL) = 2 JTU ____ # 0.5 mL x 10 (25mL) _____ JTU	Use bottom line only if sample volume used was 25 mL. Enter zero (0) mL and 2 JTU if one addition of reagent surpassed the turbidity of the sample.
Secchi Depth	_____ meters	Do not record depth if disk hits bottom while visible.

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc.	AWW Office Use
Test site established for ADEM Permit ALR040019	

Other Chemistry Tests		YSI Meter data, Nitrates, Phosphate, etc.

I hereby declare that at the time of this water sampling my AWW Water Chemistry Certification was current and that I confirmed the freshness of each reagent used for these tests. All data entered above the **Comments** section were obtained using AWW techniques.

☒ **Check for electronic signature.** Bo Greene

Monitor signature

Alabama Water Watch 2013

Alabama Water Watch
559 Devall Dr.
Auburn University, AL 36849-5124

Toll Free: 1-888-844-4785

Email: awwprog@auburn.edu
Website: www.alabamawaterwatch.org

ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: Phenix City Engineering Department ☐ online

Collector(s): Bo Greene, Paul Chastain Address: 1206 7th Avenue

City: Phenix City State: AL Zip: 36867 Phone N°: (334) 448-2768

Sample Date: 9/28/2020 Sample Time: 10:00AM AWW Site Code: 03020005

Watershed: Chattahoochee Waterbody: Mill Creek County & State: Russell

Sampling site location: Upstream Mill Creek and Holland Creek confluence

(Notify the AWW office about any changes in sampling site location.)

Waterbody condition: ☑ Adequate Depth ☐ Inadequate Depth ☐ Dry ☐ No Access

Tidally influenced rivers: ☐ Rising Tide ☐ Falling Tide ☐ Uncertain ☑ No Applicable

Variable	Value	Comments
Air Temperature	21 °C	Measure air temperature before water temperature.
Water Temperature	21.0 °C	Avoid touching thermometer bulb.
pH	7.0 Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: 6.8 ppm Rep 2: 7.0 ppm	Make sure two readings are within 0.6 ppm.
Specific Gravity / Salinity	S. G. _____ Salinity: _____ ppt	If salinity is present do not test for hardness.
% Oxygen Saturation	6.9 Avg DO 77.38 % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	5 # drops x 5 = 25 mg/L	Add drops until no more color change. Record number of drops that produced final change.
Total Hardness	3 # drops x 10 = 30 mg/L	
Turbidity	0 # 0.5 mL x 5 (50mL) = 2 JTU ____ # 0.5 mL x 10 (25mL) _____ JTU	Use bottom line only if sample volume used was 25 mL. Enter zero (0) mL and 2 JTU if one addition of reagent surpassed the turbidity of the sample.
Secchi Depth	_____ meters	Do not record depth if disk hits bottom while visible.

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc.	AWW Office Use
Test site established for ADEM Permit ALR040019	

Other Chemistry Tests		YSI Meter data, Nitrates, Phosphate, etc.

I hereby declare that at the time of this water sampling my AWW Water Chemistry Certification was current and that I confirmed the freshness of each reagent used for these tests. All data entered above the **Comments** section were obtained using AWW techniques.

☒ **Check for electronic signature.** Bo Greene

Monitor signature

Alabama Water Watch 2013

Alabama Water Watch
559 Devall Dr.
Auburn University, AL 36849-5124

Toll Free: 1-888-844-4785

Email: awwprog@auburn.edu
Website: www.alabamawaterwatch.org

ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: Phenix City Engineering Department ☐ online

Collector(s): Bo Greene, Paul Chastain Address: 1206 7th Avenue

City: Phenix City State: AL Zip: 36867 Phone N°: (334) 448-2768

Sample Date: 12/28/2020 Sample Time: _____ AWW Site Code: 03020005

Watershed: Chattahoochee Waterbody: Mill Creek County & State: Russell

Sampling site location: Upstream Mill Creek and Holland Creek confluence

(Notify the AWW office about any changes in sampling site location.)

Waterbody condition: ☑ Adequate Depth ☐ Inadequate Depth ☐ Dry ☐ No Access

Tidally influenced rivers: ☐ Rising Tide ☐ Falling Tide ☐ Uncertain ☑ No Applicable

Variable	Value	Comments
Air Temperature	15 °C	Measure air temperature before water temperature.
Water Temperature	8.0 °C	Avoid touching thermometer bulb.
pH	7.0 Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: 9.8 ppm Rep 2: 10.0 ppm	Make sure two readings are within 0.6 ppm.
Specific Gravity / Salinity	S. G. _____ Salinity: _____ ppt	If salinity is present do not test for hardness.
% Oxygen Saturation	9.9 Avg DO 83.59 % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	4 # drops x 5 = 20 mg/L	Add drops until no more color change. Record number of drops that produced final change.
Total Hardness	4 # drops x 10 = 40 mg/L	
Turbidity	3 # 0.5 mL x 5 (50mL) = 15 JTU ____ # 0.5 mL x 10 (25mL) _____ JTU	Use bottom line only if sample volume used was 25 mL. Enter zero (0) mL and 2 JTU if one addition of reagent surpassed the turbidity of the sample.
Secchi Depth	_____ meters	Do not record depth if disk hits bottom while visible.

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc.	AWW Office Use
Test site established for ADEM Permit ALR040019	

Other Chemistry Tests		YSI Meter data, Nitrates, Phosphate, etc.

I hereby declare that at the time of this water sampling my AWW Water Chemistry Certification was current and that I confirmed the freshness of each reagent used for these tests. All data entered above the **Comments** section were obtained using AWW techniques.

☒ **Check for electronic signature.** Bo Greene

Monitor signature

Alabama Water Watch 2013

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559 Devall Dr.
Auburn University, AL 36849-5124

Toll Free: 1-888-844-4785

Email: awwprog@auburn.edu
Website: www.alabamawaterwatch.org

ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: Phenix City Engineering Department ☐ online

Collector(s): Bo Greene Address: 1206 7th Avenue

City: Phenix City State: AL Zip: 36867 Phone N°: (334) 448-2768

Sample Date: 3/30/2021 Sample Time: 10:10AM AWW Site Code: 03020005

Watershed: Chattahoochee Waterbody: Mill Creek County & State: Russell

Sampling site location: Upstream Mill Creek and Holland Creek confluence

(Notify the AWW office about any changes in sampling site location.)

Waterbody condition: ☑ Adequate Depth ☐ Inadequate Depth ☐ Dry ☐ No Access

Tidally influenced rivers: ☐ Rising Tide ☐ Falling Tide ☐ Uncertain ☑ No Applicable

Variable	Value	Comments
Air Temperature	16 °C	Measure air temperature before water temperature.
Water Temperature	14.5 °C	Avoid touching thermometer bulb.
pH	7.0 Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: 8.4 ppm Rep 2: 8.4 ppm	Make sure two readings are within 0.6 ppm.
Specific Gravity / Salinity	S. G. _____ Salinity: _____ ppt	If salinity is present do not test for hardness.
% Oxygen Saturation	8.4 Avg DO 83.17 % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	4 # drops x 5 = 20 mg/L	Add drops until no more color change. Record number of drops that produced final change.
Total Hardness	4 # drops x 10 = 40 mg/L	
Turbidity	2 # 0.5 mL x 5 (50mL) = 10 JTU ____ # 0.5 mL x 10 (25mL) _____ JTU	Use bottom line only if sample volume used was 25 mL. Enter zero (0) mL and 2 JTU if one addition of reagent surpassed the turbidity of the sample.
Secchi Depth	_____ meters	Do not record depth if disk hits bottom while visible.

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc.	AWW Office Use
Test site established for ADEM Permit ALR040019	

Other Chemistry Tests		YSI Meter data, Nitrates, Phosphate, etc.

I hereby declare that at the time of this water sampling my AWW Water Chemistry Certification was current and that I confirmed the freshness of each reagent used for these tests. All data entered above the **Comments** section were obtained using AWW techniques.

☒ **Check for electronic signature.** Bo Greene

Monitor signature

Alabama Water Watch 2013

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559 Devall Dr.
Auburn University, AL 36849-5124

Toll Free: 1-888-844-4785

Email: awwprog@auburn.edu
Website: www.alabamawaterwatch.org

Auburn Environmental Consulting & Testing

Alabama Office
334/745-0055 or 800/662-1584
Fax: 334/745-3095
TBrantly@AuburnEnvironmental.com
6485 LEE ROAD 54 AUBURN, AL 36830

Colorado Office
1-800-408-0083
MWallace@AuburnEnvironmental.com
PO BOX 271716 FT. COLLINS, CO 80527

REPORT OF ANALYSIS

PHENIX CITY ENGINEERING DEPT.
1206- 7TH AVENUE
PHENIX CITY, AL 36868

SAMPLE DATE/TIME: 23 JUN 20/0849
SAMPLE # 143862/143863/143864/143865
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 1 – HOLLAND CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	<1.0 mg/l	SM5210B	AB	06-24-20	1930
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TM	06-24-20	1523
TKN	<1.00 mg/l	A4500-NH3-D	CXS	07-02-20	1332
NITRATE+NITRITE	<0.500 mg/l	300.0	TM	06-30-20	0838
TOTAL PHOSPHORUS	0.0579 mg/l	SM4500-P-E	MS	06-30-20	1402

SAMPLE DATE/TIME: 23 JUN 20/1009
SAMPLE # 143866/143867/143868/143869
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 2 - HOLLAND "MILL" CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	1.8 mg/l	SM5210B	AB	06-24-20	1930
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TM	06-24-20	1429
TKN	<1.00 mg/l	A4500-NH3-D	CXS	07-02-20	0732
NITRATE+NITRITE	<0.500 mg/l	300.0	TM	06-30-20	1402
TOTAL PHOSPHORUS	0.0833 mg/l	SM4500-P-E	MS	06-30-20	1402

SAMPLE DATE/TIME: 23 JUN 20/0906
SAMPLE # 143870/143871/143872/143873
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 3 – MILL CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	1.3 mg/l	SM5210B	AB	06-24-20	1930
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TM	06-24-20	1549
TKN	<1.00 mg/l	A4500-NH3-D	CXS	07-02-20	0734
NITRATE+NITRITE	<0.500 mg/l	300.0	TM	06-30-20	0905
TOTAL PHOSPHORUS	0.0905 mg/l	SM4500-P-E	MS	06-30-20	1402

SAMPLE DATE/TIME: 23 JUN 20/0926
SAMPLE # 143874/143875/143876/143877
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 4 - MILL CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	1.0 mg/l	SM5210B	AB	06-24-20	1930
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TM	06-24-20	1456
TKN	<1.00 mg/l	A4500-NH3-D	CXS	07-02-20	0736
NITRATE+NITRITE	<0.500 mg/l	300.0	TM	06-30-20	0932
TOTAL PHOSPHORUS	0.192 mg/l	SM4500-P-E	MS	06-30-20	1402

SAMPLES ANALYZED ACCORDING TO:

STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 20TH EDITION, 1998.
EPA METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 600/4-79-020 MARCH 1983.
RESULTS CALCULATED ON A WEIGHT BASIS

REPORT APPROVED BY:

THOMAS BRANTLY, JR
LABORATORY MANAGER

REVIEWED BY:

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **1 – HOLLAND CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
143862	CBOD: PRESERVED 4°C	6/23/2020	8:49 EST	Bo Greene
143863	ORTHOPHOSPHATE: PRESERVED 4°C	6/23/2020	8:50	Bo Greene
143864	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	6/23/2020	8:50	Bo Greene
143865	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	6/23/2020	8:49	Bo Greene

SAMPLE CHAIN OF CUSTODY:

			COURIER YES	COURIER NO
TRANSFERRED BY: X Paul Chastain	DATE/TIME: 6/23/2020			
RECEIVED BY: X Chris	DATE/TIME: 23Jun20 1:25PM			X
TRANSFERRED BY: X	DATE/TIME:			
RECEIVED BY: X Chris (LABORATORY)	DATE/TIME: 23Jun20 2:55PM			X

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: <4°C

SAMPLES STORED IN REFRIGERATOR ID#: 267 THERMOMETER ID#: 392

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : ___pH 4_____pH 7_____pH 10

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **2 – HOLLAND "MILL" CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
143866	CBOD: PRESERVED 4°C	6/23/2020	10:09 EST	Bo Greene
143867	ORTHOPHOSPHATE: PRESERVED 4°C	6/23/2020	10:11	Bo Greene
143868	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	6/23/2020	10:09	Bo Greene
143869	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	6/23/2020	10:10	Bo Greene

SAMPLE CHAIN OF CUSTODY:

			COURIER YES	COURIER NO
TRANSFERRED BY: X Paul Charlain	DATE/TIME: 6/23/2020			
RECEIVED BY: X Chris	DATE/TIME: 23 Jun 20 1:25PM			X
TRANSFERRED BY: X	DATE/TIME:			
RECEIVED BY: X Chris (LABORATORY)	DATE/TIME: 23 JUN 20 3:00PM			X

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: 4°C

SAMPLES STORED IN REFRIGERATOR ID#: 267 THERMOMETER ID#: 372

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : ___pH 4_____pH 7_____pH 10

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **3 – MILL CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
143870	CBOD: PRESERVED 4^0C	6/23/2020	9:06 EST	Bo Greene
143871	ORTHOPHOSPHATE: PRESERVED 4^0C	6/23/2020	9:06	Bo Greene
143872	NITRATE+NITRITE, TKN: PRESERVED 4^0C, H_2SO_4	6/23/2020	9:05	Bo Greene
143873	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	6/23/2020	9:07	Bo Greene

SAMPLE CHAIN OF CUSTODY:

			COURIER YES	COURIER NO
TRANSFERRED BY: X Paul Chastain	DATE/TIME: 6/23/2020			
RECEIVED BY: X [signature]	DATE/TIME: 23Jun20 1:25PM			X
TRANSFERRED BY: X	DATE/TIME:			
RECEIVED BY: X (LABORATORY) [signature]	DATE/TIME: 23Jun20 3:05PM			X

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: 4°C

SAMPLES STORED IN REFRIGERATOR ID#: 267 THERMOMETER ID#: 372

SHIPPED BY: ACT TRACKING #: N/A

pH Calibration : ___pH 4_____pH 7_____pH 10

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **4 – MILL CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
143874	CBOD: PRESERVED 4°C	6/23/2020	9:26 EST	Bo Greene
143875	ORTHOPHOSPHATE: PRESERVED 4°C	6/23/2020	9:25	Bo Greene
143876	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	6/23/2020	9:26	Bo Greene
143877	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	6/23/2020	9:27	Bo Greene

SAMPLE CHAIN OF CUSTODY:

			COURIER YES	COURIER NO
TRANSFERRED BY: X Paul Chastain	DATE/TIME: 6/23/2020			
RECEIVED BY: X [signature]	DATE/TIME: 23 Jun 20			X
TRANSFERRED BY: X	DATE/TIME: 1:25PM			
RECEIVED BY: X (LABORATORY) [signature]	DATE/TIME: 23 Jun 20			X

PLEASE DO NOT WRITE BELOW THIS LINE 3:20PM

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: 4°C

SAMPLES STORED IN REFRIGERATOR ID#: 267 THERMOMETER ID#: 392

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : ___pH 4_____pH 7_____pH 10

Auburn Environmental Consulting & Testing

Alabama Office
334/745-0055 or 800/662-1584
Fax: 334/745-3095
TBrantly@AuburnEnvironmental.com
6485 LEE ROAD 54 AUBURN, AL 36830

Colorado Office
1-800-408-0083
MWallace@AuburnEnvironmental.com
PO BOX 271716 FT. COLLINS, CO 80527

REPORT OF ANALYSIS

PHENIX CITY ENGINEERING DEPT.
1210- 7TH AVENUE
PHENIX CITY, AL 36868

SAMPLE DATE/TIME: 29 SEP 20/0844
SAMPLE # 144899/144900/144901/144902
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 1 – HOLLAND CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	<1.0 mg/l	SM5210B	AB	09-30-20	1746
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TM	09-30-20	1208
TKN	<1.00 mg/l	A4500-NH3-D	DNS	10-26-20	1812
NITRATE+NITRITE	<0.500 mg/l	300.0	TM	10-03-20	1452
TOTAL PHOSPHORUS	<0.500 mg/l	SM4500-P-E	EAM	10-14-20	1530

SAMPLE DATE/TIME: 29 SEP 20/0941
SAMPLE # 144903/144904/144905/144906
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 2 - HOLLAND "MILL" CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	<1.0 mg/l	SM5210B	AB	09-30-20	1746
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TM	09-30-20	1233
TKN	<1.00 mg/l	A4500-NH3-D	DNS	10-26-20	1814
NITRATE+NITRITE	<0.500 mg/l	300.0	TM	10-03-20	1518
TOTAL PHOSPHORUS	<0.500 mg/l	SM4500-P-E	EAM	10-30-20	1540

SAMPLE DATE/TIME: 29 SEP 20/0915
SAMPLE # 144907/144908/144909/144910
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 3 – MILL CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	<1.0 mg/l	SM5210B	AB	09-30-20	1746
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TM	09-30-20	1259
TKN	<1.00 mg/l	A4500-NH3-D	DNS	10-26-20	1816
NITRATE+NITRITE	<0.500 mg/l	300.0	TM	10-03-20	1544
TOTAL PHOSPHORUS	<0.500 mg/l	SM4500-P-E	EAM	10-14-20	1544

SAMPLE DATE/TIME: 29 SEP 20/0856
SAMPLE # 144911/144912/144913/144914
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 4 - MILL CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	<1.0 mg/l	SM5210B	AB	09-30-20	1746
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TM	09-30-20	1325
TKN	<1.00 mg/l	A4500-NH3-D	DNS	10-26-20	1818
NITRATE+NITRITE	<0.500 mg/l	300.0	TM	10-03-20	1217
TOTAL PHOSPHORUS	<0.500 mg/l	SM4500-P-E	EAM	10-14-20	1547

SAMPLES ANALYZED ACCORDING TO:

STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 20TH EDITION, 1998.
EPA METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 600/4-79-020 MARCH 1983.
RESULTS CALCULATED ON A WEIGHT BASIS

REPORT APPROVED BY:

THOMAS BRANTLY, JR
LABORATORY MANAGER

REVIEWED BY: BS

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **1 – HOLLAND CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
144899	CBOD: PRESERVED 4°C	9/29/2020	8:44	Bo Greene
144900	ORTHOPHOSPHATE: PRESERVED 4°C	9/29/2020	8:44	Bo Greene
144901	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	9/29/2020	8:44	Bo Greene
144902	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	9/29/2020	8:45	Bo Greene

SAMPLE CHAIN OF CUSTODY:

		COURIER YES	COURIER NO
TRANSFERRED BY: X Paul Chastain	DATE/TIME: 9/29/2020		
RECEIVED BY: X Chris	DATE/TIME: 29SEP20 2:05PM		X
TRANSFERRED BY: X	DATE/TIME:		
RECEIVED BY: X Chris (LABORATORY)	DATE/TIME: 29SEP20 3:05PM		X

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: 4°C

SAMPLES STORED IN REFRIGERATOR ID#: 207 THERMOMETER ID#: 372

SHIPPED BY: ACT TRACKING #: N/A

pH Calibration : pH 4 pH 7 pH 10

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **2 – HOLLAND "MILL" CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
144903	CBOD: PRESERVED 4°C	9/29/2020	9:41	Bo Greene
144904	ORTHOPHOSPHATE: PRESERVED 4°C	9/29/2020	9:41	Bo Greene
144905	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	9/29/2020	9:42	Bo Greene
144906	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	9/29/2020	9:41	Bo Greene

SAMPLE CHAIN OF CUSTODY:

		COURIER YES	COURIER NO
TRANSFERRED BY: X Paul Chastain	DATE/TIME: 9/29/2020		
RECEIVED BY: X [signature]	DATE/TIME: 29SEP20 2:05PM		X
TRANSFERRED BY: X	DATE/TIME:		
RECEIVED BY: X [signature] (LABORATORY)	DATE/TIME: 29SEP20 3:05		X

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: 4°C

SAMPLES STORED IN REFRIGERATOR ID#: 267 THERMOMETER ID#: 312

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : pH 4 pH 7 pH 10

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **3 – MILL CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
144907	CBOD: PRESERVED 4°C	9/29/2020	9:15	Bo Greene
144908	ORTHOPHOSPHATE: PRESERVED 4°C	9/29/2020	9:14	Bo Greene
144909	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	9/29/2020	9:14	Bo Greene
144910	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	9/29/2020	9:15	Bo Greene

SAMPLE CHAIN OF CUSTODY:

		COURIER YES	COURIER NO
TRANSFERRED BY: X Paul Chastain	DATE/TIME: 9/29/2020		
RECEIVED BY: X [signature]	DATE/TIME: 29SEP20 2:05PM		X
TRANSFERRED BY: X	DATE/TIME:		
RECEIVED BY: X [signature] (LABORATORY)	DATE/TIME: 29SEP20 3:05PM		X

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: <4 °C

SAMPLES STORED IN REFRIGERATOR ID#: 267 THERMOMETER ID#: 377

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : ___pH 4_____pH 7_____pH 10

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **4 – MILL CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
144911	CBOD: PRESERVED 4°C	9/29/2020	8:56	Bo Greene
144912	ORTHOPHOSPHATE: PRESERVED 4°C	9/29/2020	8:57	Bo Greene
144913	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	9/29/2020	8:56	Bo Greene
144914	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	9/29/2020	8:57	Bo Green

SAMPLE CHAIN OF CUSTODY:

			COURIER YES	COURIER NO
TRANSFERRED BY: X Paul Chastain	DATE/TIME: 9/29/2020			
RECEIVED BY: X	DATE/TIME: 29 SEPT 20 2:05PM			X
TRANSFERRED BY: X	DATE/TIME:			
RECEIVED BY: X (LABORATORY)	DATE/TIME: 29 SEPT 20 3:05PM			X

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: 4°C

SAMPLES STORED IN REFRIGERATOR ID#: 267 THERMOMETER ID#: 312

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : ___pH 4_____pH 7_____pH 10

Auburn Environmental Consulting & Testing

Alabama Office
334/745-0055 or 800/662-1584
Fax: 334/745-3095
TBrantly@AuburnEnvironmental.com
6485 LEE ROAD 54 AUBURN, AL 36830

Colorado Office
1-800-408-0083
MWallace@AuburnEnvironmental.com
PO BOX 271716 FT. COLLINS, CO 80527

REPORT OF ANALYSIS

PHENIX CITY ENGINEERING DEPT.
1212- 7TH AVENUE
PHENIX CITY, AL 36868

SAMPLE DATE/TIME: 29 DEC 20/0945 — SAMPLE TYPE: CREEK SAMPLE
SAMPLE # 145855/145856/145857/145858 — LOCATION: 1 – HOLLAND CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	<1.0 mg/l	SM5210B	AB	12-30-20	1950
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TM	12-30-20	1906
TKN	<1.00 mg/l	A4500-NH3-D	DNS	01-05-21	1734
NITRATE+NITRITE	<0.500 mg/l	300.0	TM	01-05-21	1408
TOTAL PHOSPHORUS	<0.0200 mg/l	SM4500-P-E	MS	01-05-21	1150

SAMPLE DATE/TIME: 29 DEC 20/0941 — SAMPLE TYPE: CREEK SAMPLE
SAMPLE # 145859/145860/145861/145862 — LOCATION: 2 - HOLLAND "MILL" CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	<1.0 mg/l	SM5210B	AB	12-30-20	1950
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TM	12-30-20	1937
TKN	<1.00 mg/l	A4500-NH3-D	DNS	01-05-21	1736
NITRATE+NITRITE	<0.500 mg/l	300.0	TM	01-06-21	1206
TOTAL PHOSPHORUS	0.0393 mg/l	SM4500-P-E	MS	01-08-21	1150

SAMPLE DATE/TIME: 29 DEC 20/0915 — SAMPLE TYPE: CREEK SAMPLE
SAMPLE # 145863/145864/145865/145866 — LOCATION: 3 – MILL CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	<1.0 mg/l	SM5210B	AB	12-30-20	1950
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TM	12-30-20	2028
TKN	<1.00 mg/l	A4500-NH3-D	DNS	01-05-21	1738
NITRATE+NITRITE	<0.500 mg/l	300.0	TM	01-05-21	1510
TOTAL PHOSPHORUS	0.0393 mg/l	SM4500-P-E	MS	01-08-21	1150

SAMPLE DATE/TIME: 29 DEC 20/0856 — SAMPLE TYPE: CREEK SAMPLE
SAMPLE # 145867/145868/145869/145870 — LOCATION: 4 - MILL CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	<1.0 mg/l	SM5210B	AB	12-30-20	1950
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TM	12-30-20	2039
TKN	<1.00 mg/l	A4500-NH3-D	DNS	01-05-21	1740
NITRATE+NITRITE	<0.500 mg/l	300.0	TM	01-05-21	1541
TOTAL PHOSPHORUS	<0.0200 mg/l	SM4500-P-E	MS	01-08-21	1150

SAMPLES ANALYZED ACCORDING TO:

STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 20TH EDITION, 1998.
EPA METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 600/4-79-020 MARCH 1983.
RESULTS CALCULATED ON A WEIGHT BASIS

REPORT APPROVED BY:

THOMAS BRANTLY, JR
LABORATORY MANAGER

REVIEWED BY:

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **1 – HOLLAND CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
145855	CBOD: PRESERVED 4°C	12-29-2020	9:45AM	
145856	ORTHOPHOSPHATE: PRESERVED 4°C	12-29-2020	9:45AM	
145857	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	12-29-2020	9:45AM	
145858	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	12-29-2020	9:45AM	

SAMPLE CHAIN OF CUSTODY:

		COURIER	
		YES	NO
TRANSFERRED BY: X Bo Greene	DATE/TIME: 12-29-2020 11:08AM		
RECEIVED BY: X	DATE/TIME: 29Dec20 12:30PM		X
TRANSFERRED BY: X	DATE/TIME:		
RECEIVED BY: X (LABORATORY)	DATE/TIME: 29Dec20 2:40PM		X

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: <4°C

SAMPLES STORED IN REFRIGERATOR ID#: 573 THERMOMETER ID#: 372

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : ___pH 4_____pH 7_____pH 10

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **2 – HOLLAND "MILL" CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
145859	CBOD: PRESERVED 4°C	12-29-2020	10:34 AM	
145860	ORTHOPHOSPHATE: PRESERVED 4°C	12-29-2020	10:34 AM	
145861	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	12-29-2020	10:34 AM	
145862	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	12-29-2020	10:34 AM	

SAMPLE CHAIN OF CUSTODY:

		COURIER YES	COURIER NO
TRANSFERRED BY: X Bo Greer	DATE/TIME: 11:08 AM 12-29-2020		
RECEIVED BY: X Chi	DATE/TIME: 29Dec20 12:30PM		X
TRANSFERRED BY: X	DATE/TIME:		
RECEIVED BY: X Chi (LABORATORY)	DATE/TIME: 29Dec20 2:45PM		X

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: <4°C

SAMPLES STORED IN REFRIGERATOR ID#: 573 THERMOMETER ID#: 372

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : pH 4 pH 7 pH 10

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **3 – MILL CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
145863	CBOD: PRESERVED 4°C	12-29-2020	10:11Am	
145864	ORTHOPHOSPHATE: PRESERVED 4°C	12-29-2020	10:11Am	
145865	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	12-29-2020	10:11AM	
145866	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	12-29-2020	10:11AM	

SAMPLE CHAIN OF CUSTODY:

			COURIER YES	COURIER NO
TRANSFERRED BY: X		DATE/TIME: 12-29-2020 11:08Am		
RECEIVED BY: X		DATE/TIME: 29Dec20 12:30pm		X
TRANSFERRED BY: X		DATE/TIME:		
RECEIVED BY: X (LABORATORY)		DATE/TIME: 29DEC20 2:55PM		X

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: <4

SAMPLES STORED IN REFRIGERATOR ID#: 573 THERMOMETER ID#: 372

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : ___pH 4_____pH 7_____pH 10

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **4 – MILL CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
145867	CBOD: PRESERVED 4°C	12-29-2020	9:59 Am	
145868	ORTHOPHOSPHATE: PRESERVED 4°C	12-29-2020	9:59 Am	
145869	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	12-29-2020	9:59 Am	
145870	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	12-29-2020	9:59 Am	

SAMPLE CHAIN OF CUSTODY:

		COURIER YES	COURIER NO
TRANSFERRED BY: X Bo Grove	DATE/TIME: 11:08 Am 12-29-2020		
RECEIVED BY: X Chi	DATE/TIME: 29Dec20 12:30PM		X
TRANSFERRED BY: X Chi	DATE/TIME: 29 Dec20 3:05PM		X
RECEIVED BY: X (LABORATORY)			

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: 4°C

SAMPLES STORED IN REFRIGERATOR ID#: 573 THERMOMETER ID#: 372

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : ___pH 4_____pH 7_____pH 10

Auburn Environmental Consulting & Testing

Alabama Office
334/745-0055 or 800/662-1584
Fax: 334/745-3095
TBrantly@AuburnEnvironmental.com
6485 LEE ROAD 54 AUBURN, AL 36830

Colorado Office
1-800-408-0083
MWallace@AuburnEnvironmental.com
PO BOX 271716 FT. COLLINS, CO 80527

REPORT OF ANALYSIS

PHENIX CITY ENGINEERING DEPT.
1204- 7TH AVENUE
PHENIX CITY, AL 36868

SAMPLE DATE/TIME: 31 MAR 21/0929
SAMPLE # 146696/146697/146698/146699
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 1 – HOLLAND CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	1.3 mg/l	SM5210B	AB	04-01-21	1855
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TM	04-01-21	1151
TKN	<1.00 mg/l	A4500-NH3-D	DNS	04-18-21	0820
NITRATE+NITRITE	<0.500 mg/l	300.0	HDJ	04-12-21	2004
TOTAL PHOSPHORUS	<0.0200 mg/l	SM4500-P-E	MS	04-18-21	1512

SAMPLE DATE/TIME: 31 MAR 21/1021
SAMPLE # 146700/146701/146702/146703
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 2 - HOLLAND "MILL" CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	1.6 mg/l	SM5210B	AB	04-01-21	1855
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TM	04-01-21	1221
TKN	<1.00 mg/l	A4500-NH3-D	DNS	04-18-21	0834
NITRATE+NITRITE	<0.500 mg/l	300.0	HDJ	04-12-21	2100
TOTAL PHOSPHORUS	<0.0200 mg/l	SM4500-P-E	MS	04-18-21	1512

SAMPLE DATE/TIME: 31 MAR 21/1006
SAMPLE # 146704/146705/146706/146707
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 3 – MILL CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	2.1 mg/l	SM5210B	AB	04-01-21	1855
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TM	04-01-21	1250
TKN	<1.00 mg/l	A4500-NH3-D	DNS	04-18-21	0836
NITRATE+NITRITE	<0.500 mg/l	300.0	HDJ	04-12-21	2129
TOTAL PHOSPHORUS	<0.0200 mg/l	SM4500-P-E	MS	04-18-21	1512

SAMPLE DATE/TIME: 31 MAR 21/0948
SAMPLE # 146708/146709/146710/146711
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 4 - MILL CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	<1.0 mg/l	SM5210B	AB	04-01-21	1855
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TM	04-01-21	1319
TKN	<1.00 mg/l	A4500-NH3-D	DNS	04-18-21	0838
NITRATE+NITRITE	<0.500 mg/l	300.0	HDJ	04-12-21	2359
TOTAL PHOSPHORUS	<0.0200 mg/l	SM4500-P-E	MS	04-18-21	1512

SAMPLES ANALYZED ACCORDING TO:

STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 20TH EDITION, 1998.
EPA METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 600/4-79-020 MARCH 1983.
RESULTS CALCULATED ON A WEIGHT BASIS

REPORT APPROVED BY:

THOMAS BRANTLY, JR
LABORATORY MANAGER

REVIEWED BY

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **1 – HOLLAND CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
146696	CBOD: PRESERVED 4°C	3/31/2021	9:29AM	Bo Greene
146697	ORTHOPHOSPHATE: PRESERVED 4°C	3/31/2021	9:29AM	Bo Greene
146698	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	3/31/2021	9:30 AM	Bo Greene
146699	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	3/31/2021	9:30 AM	Bo Greene

SAMPLE CHAIN OF CUSTODY:

			COURIER YES	COURIER NO
TRANSFERRED BY: X Bo Greene	DATE/TIME: 3/31/2021 10:40			
RECEIVED BY: X [signature]	DATE/TIME: 31Mar21 1:00PM			X
TRANSFERRED BY: X	DATE/TIME:			
RECEIVED BY: X [signature] (LABORATORY)	DATE/TIME: 31Mar21 4:00 PM			X

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: 4°C

SAMPLES STORED IN REFRIGERATOR ID#: 573 THERMOMETER ID#: 392

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : pH 4 pH 7 pH 10

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **2 – HOLLAND "MILL" CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
146700	CBOD: PRESERVED 4°C	3/31/2021	10:21Am	Bo Greene
146701	ORTHOPHOSPHATE: PRESERVED 4°C	3/31/2021	10:21Am	Bo Greene
146702	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	3/31/2021	10:21 Am	Bo Greene
146703	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	3/31/2021	10:21 Am	Bo Greene

SAMPLE CHAIN OF CUSTODY:

		COURIER YES	COURIER NO
TRANSFERRED BY: X Bo Greene	DATE/TIME: 3/31/2021 10:40		
RECEIVED BY: X Chris Rea	DATE/TIME: 31 Mar 21 1:00 PM		X
TRANSFERRED BY: X	DATE/TIME:		
RECEIVED BY: X (LABORATORY)	DATE/TIME: 31 Mar 21 4:00 PM		X

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: 4°C

SAMPLES STORED IN REFRIGERATOR ID#: 503 THERMOMETER ID#: 372

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : ___pH 4_____pH 7_____pH 10

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **4 – MILL CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
146704	CBOD: PRESERVED 4°C	3/31/2021	10:06 AM	Bo Greene
146705	ORTHOPHOSPHATE: PRESERVED 4°C	3/31/2021	10:06 AM	Bo Greene
146706	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	3/31/2021	10:06 AM	Bo Greene
146707	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	3/31/2021	10:06 AM	Bo Greene

SAMPLE CHAIN OF CUSTODY:

			COURIER YES	COURIER NO
TRANSFERRED BY: X Bo Greene	DATE/TIME: 3/31/2021 10:40			
RECEIVED BY: X	DATE/TIME: 31 Mar 21 1:00 PM			
TRANSFERRED BY: X	DATE/TIME:			
RECEIVED BY: X (LABORATORY)	DATE/TIME: 31 Mar 21 4:00 PM			X

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: <4°C

SAMPLES STORED IN REFRIGERATOR ID#: 573 THERMOMETER ID#: 392

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : ___pH 4_____pH 7_____pH 10

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **3 – MILL CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
146708	CBOD: PRESERVED 4°C	3/31/2021	9:48 AM	Bo Greene
146709	ORTHOPHOSPHATE: PRESERVED 4°C	3/31/2021	9:48 AM	Bo Greene
146710	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	3/31/2021	9:48 AM	Bo Greene
146711	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	3/31/2021	9:49 AM	Bo Greene

SAMPLE CHAIN OF CUSTODY:

		COURIER YES	COURIER NO
TRANSFERRED BY: X Bo Greene	DATE/TIME: 3/31/2021 10:46		
RECEIVED BY: X [signature]	DATE/TIME: 31 Mar 21 1:00 PM		X
TRANSFERRED BY: X	DATE/TIME:		
RECEIVED BY: X [signature] (LABORATORY)	DATE/TIME: 31 Mar 21 4:00 PM		X

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: <4°C

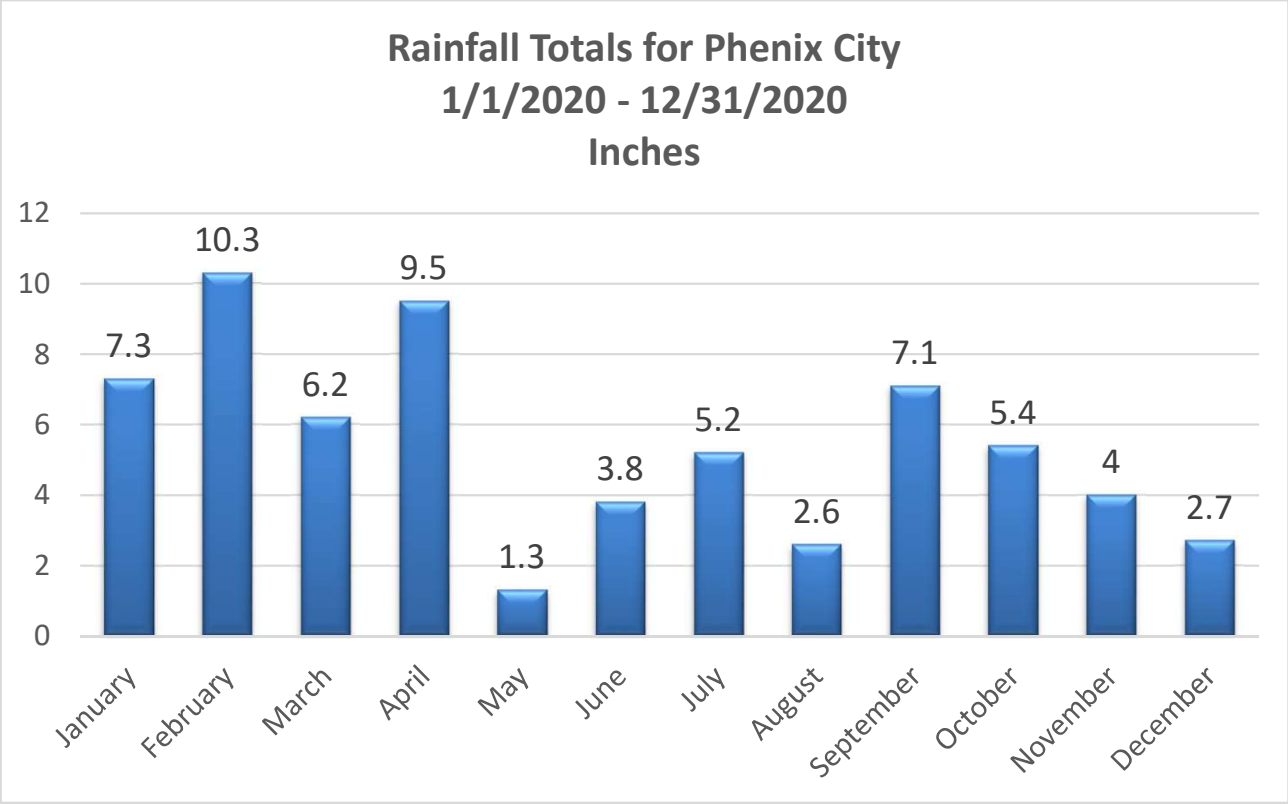
SAMPLES STORED IN REFRIGERATOR ID#: 573 THERMOMETER ID#: 372

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : ___pH 4_____pH 7_____pH 10

Rainfall Data

Rainfall Totals for Phenix City 1/1/2020 - 12/31/2020		
January	7.3	in.
February	10.3	in.
March	6.2	in.
April	9.5	in.
May	1.3	in.
June	3.8	in.
July	5.2	in.
August	2.6	in.
September	7.1	in.
October	5.4	in.
November	4	in.
December	2.7	in.
Yearly Total	**65.4**	**in.**



Rainfall Totals for Phenix City 1/1/2021 - 3/31/2021		
January	4.1	in.
February	4.7	in.
March	4.9	in.
April		in.
May		in.
June		in.
July		in.
August		in.
September		in.
October		in.
November		in.
December		in.
Total	**13.7**	**in.**