

CREEK WALK INVENTORY

FOR

ROCKY CREEK

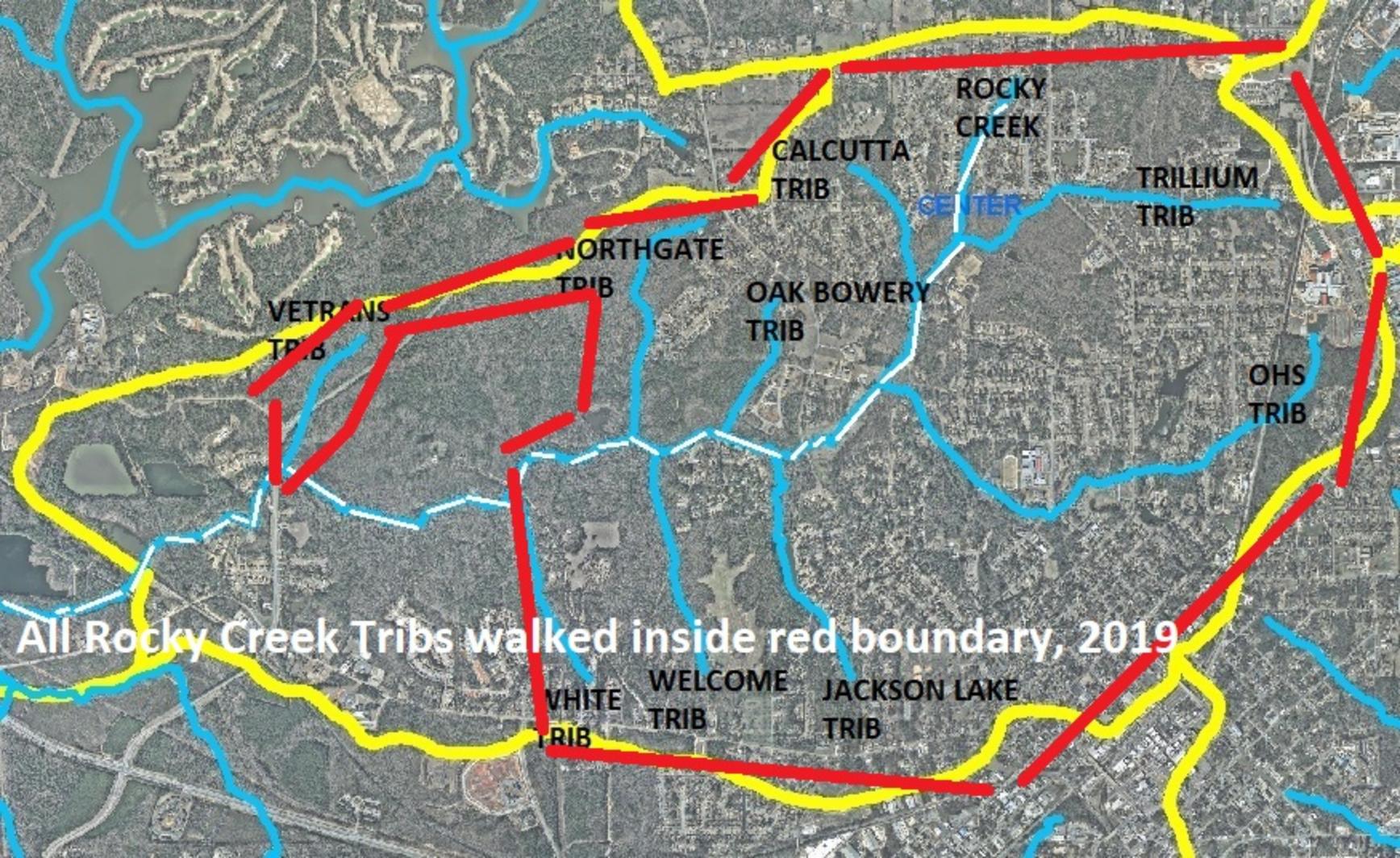
A tributary to Pepperell Creek W/S

2019

Tributary Name	Length	Drainage area
Rocky Creek	19,000	
Trillium Trib	6,000	
OHS Trib	9,600	
Jackson Lake Trib	4,200	
Welcome Trib	3,800	
White Trib	3,700	
Veterans Trib	2,600	
Northgate Trib	4,400	
Oak Bowery Trib	2,600	
Calcutta Trib	2,200	
Total	58,100	

A man with dark hair and a beard, wearing a dark jacket, a bright yellow-green high-visibility safety vest with reflective orange and grey stripes, and dark waders, stands on a rocky creek bank. He is holding a large, flat, brown, irregularly shaped object, possibly a piece of debris or a large leaf, in his right hand. In his left hand, he holds a long, light-colored wooden stick or pole. The creek is filled with brown water and surrounded by a dense forest of trees, some with bare branches and some with green leaves. The ground is covered in small, light-colored rocks and pebbles.

**Rocky Creek
creek walk for IDDE
Feb 14,2019**



ROCKY
CREEK

CALCUTTA
TRIB

TRILLIUM
TRIB

NORTHGATE
TRIB

OAK BOWERY
TRIB

VETERANS
TRIB

OHS
TRIB

All Rocky Creek Tribes walked inside red boundary, 2019

WHITE
TRIB

WELCOME
TRIB

JACKSON LAKE
TRIB

CENTER











Rocky Creek IDDE Walk 2019





1 FACILITYID/I DRAIN BASIN	NOTES	DATE	INSPECTOR	2016	2017	2018	2019	2020
1 SWJ240	Moores Mill Creek	some limbs and veg over outlet	1/29/2016	JH	X	0		
2 SWJ426	Creek C							
3 SWJ443	Creek C							
4 SWJ519	Moores Mill Creek	great condition	1/29/2016	JH	X			
5 SWJ624	Granberry Creek	good condition	11/27/2017	CO		X		
6 SWJ678	Granberry Creek							
7 SWJ698	Granberry Creek							
8 SWJ703	Granberry Creek							
9 SWJ955	Granberry Creek	good condition	2/27/2018	CO		X		
10 SWJ1032	Granberry Creek							
11 SWJ1036	Granberry Creek							
12 SWJ1040	Granberry Creek							
13 SWJ1081	Granberry Creek							
14 SWJ1163	Moores Mill Creek	fair condition. Some sediment.	1/29/2016	JH	X			
15 SWJ1168	Moores Mill Creek	good condition	1/29/2016	JH	X			
16 SWJ1218	Granberry Creek							
17 SWJ1219	Granberry Creek							
19 SWJ1439	Granberry Creek							
20 SWJ1455	Granberry Creek							
21 SWJ1663	Granberry Creek							
22 SWJ1824	Granberry Creek							
23 SWJ2014	Granberry Creek							
24 SWJ2040	Granberry Creek							
25 SWJ2669	Robinson Creek	fair condition	2/28/2018	CO		X		
26 SWJ2797	Granberry Creek							
27 SWJ3187	rocky creek	twin lakes west gutter	2/1/2019	jh			x	
28 SWJ3196	ROCKY CREEK	DUAL OUTFALLS	2/1/2019	JH			X	
29 SWJ3197		DUAL OUTFALLS	2/1/2019	JH			X	
30 SWJ3242	Granberry Creek							
31 SWJ3349	Granberry Creek							
32 SWJ3499	Rocky Creek	OUTSIDE MS4	1/29/2019	JH			X	
33 SWJ3523	Moores Mill Creek	good condition. Some vegetation.	1/29/2016	JH	X			
34 SWJ3543	Robinson Creek	filled with some sediment. Trash noted.	2/28/2018	CO		X		
35 SWJ3546	Robinson Creek	good condition. Clippings and leaves noted from drain.	2/28/2018	CO		X		
36 SWJ3947	Robinson Creek	good condition	2/28/2018	CO		X		
37 SWJ4077	Granberry Creek							
38 SWJ4236	Granberry Creek							
39 SWJ4440	Granberry Creek							
40 SWJ4539	Granberry Creek							
41 SWJ4572	Granberry Creek							
42 SWJ4601	Granberry Creek							
43 SWJ5814	Granberry Creek							
44 SWJ5921	Granberry Creek							
45 SWJ6156	Granberry Creek							
46 SWJ6337	Granberry Creek	fair condition. Pond in poor shape with trees and vegetation.	2/27/2018	CO		X		
47 SWJ6367	Granberry Creek	ok outfall to det 58	3/2/2018	jh		x		

48	SWJ6464	Granberry Creek					
49	SWJ6535	Granberry Creek	tree on point		JH		
50	SWJ6550	Granberry Creek	outfall to ret 59	3/2/2018	jh		x
51	SWJ6555	Granberry Creek					
52	SWJ6559	Granberry Creek	IN YARD OK	3/2/2018	jh		x
53	SWJ13379	Granberry Creek	outfall to east sewage plant	10/5/2018	jh		X
54	SWJ6983	Moores Mill Creek					
55	SWJ7147	Moores Mill Creek					
56	SWJ7149	Moores Mill Creek					
57	SWJ7190	Rocky Creek	24 in headwall	2/27/2018	jh		x
58	SWJ7389	Moores Mill Creek					
59	SWJ7420	Moores Mill Creek					
60	SWJ7421	Other	good condition	11/27/2017	CO	X	
61	SWJ7437	Granberry Creek	good condition. Some trash.	2/27/2018	CO		x
62	SWJ7711	Granberry Creek	fair condition. Some trash noted.	2/27/2018	CO		X
63	SWJ7815	Pepperell Creek	strong sewage smell		JH		
64	SWJ8049	Granberry Creek	fair conditon at outlet. Inlet in need of maintenance. Some trash.	2/27/2018	CO		X
65	SWJ8252	Pepperell Creek					
66	SWJ8294	Pepperell Creek					
67	SWJ8439	Pepperell Creek					
68	SWJ8489	Pepperell Creek					
69	SWJ8490	Pepperell Creek	with Grate		JH		
70	SWJ8571	Pepperell Creek					
71	SWJ8572	Pepperell Creek					
72	SWJ8609	Pepperell Creek					
73	SWJ8614	Pepperell Creek					
74	SWJ8634	Pepperell Creek					
75	SWJ8635	Pepperell Creek					
76	SWJ8665	Pepperell Creek					
77	SWJ8681	Pepperell Creek					
78	SWJ8682	Pepperell Creek					
79	SWJ8831	Pepperell Creek					
80	SWJ8856	Pepperell Creek					
	SWJ8873	Pepperell Creek	dry pipe	2/6/2019	jh		X
	SWJ8882	Pepperell Creek	street drain	2/6/2019	jh		x
	SWJ8903	Pepperell Creek					
	SWJ8941	Pepperell Creek					
85	SWJ8945	ROCKY CREEK	OUTSIDE MS4	1/30/2019	JH		X
	SWJ8946	ROCKY CREEK	OUTSIDE MS4	1/30/2019	JH		X
	SWJ8984	Pepperell Creek	below sidewaldek washed out	1/31/2019	jh		X
	SWJ9015	ROCKY CREEK	OUTSIDE MS4	1/30/2019	JH		X
	SWJ9020	Pepperell Creek					
90	SWJ9055	Pepperell Creek					
	SWJ9143	Pepperell Creek	o \k under old 280 waverly	2/6/2019			x
	SWJ9154	Pepperell Creek	UNDER FLUME	2/6/2019	JH		X
	SWJ9157	Pepperell Creek	dry pipe	2/6/2019	jh		x
	SWJ9172	Pepperell Creek	dry school pipe with grill	2/13/2019	jh		X

95	SWJ9177	Pepperell Creek					
	SWJ9272	ROCKY CREEK	OUTSIDE MS4	1/30/2019	JH		X
	SWJ9262	ROCKY CREEK	OUTSIDE MS4	1/30/2019	JH		X
	SWJ9341	Pepperell Creek					
	SWJ9344	Pepperell Creek	12 inch pipe in air off bottom of ditch, headwall	2/1/2019	jh		X
100	SWJ9361	Pepperell Creek	side yard with head wall of wood. Submerged and wil flow.	2/1/2019	jh		X
	SWJ9401	Pepperell Creek					
	SWJ9402	Pepperell Creek					
	SWJ9404	Pepperell Creek					
	SWJ9421	Pepperell Creek					
105	SWJ9447	rocky creek	mid lot 12"	1/31/2019	jh		X
	SWJ9461	Robinson Creek					
	SWJ9472	Robinson Creek					
	SWJ9503	Robinson Creek					
	SWJ9533	Rocky Creek					
110	SWJ9584	Rocky Creek	steep, OK	1/31/2019	jh		x
	SWJ 9588	Rocky Creek	top of WS dry, under old 280-waverly	2/6/2019	jh		x
	SWJ9704	Rocky Creek					
	SWJ9769	Rocky Creek					
	SWJ9782	Rocky Creek					
115	SWJ9785	Rocky Creek					
	SWJ9786	Rocky Creek					
	SWJ9803	Rocky Creek					
	SWJ9821	Rocky Creek	PID 3170 to N 30"	1/31/2019	JH		X
	SWJ9857	Rocky Creek		1/31/2019	jh		x
120	SWJ9858	Rocky Creek	PID 3269 to E 42"x30	1/14/2019	JH		X
	SWJ9866	Rocky Creek	yard	1/31/2019	jh		x
	SWJ9867	Rocky Creek	dual elyptical with flow	1/31/2019	jh		x
	SWJ9872	Rocky Creek	Buried pond outlet	1/31/2019	jh		x
	SWJ10019	Rocky Creek	good condition	12/14/2017	CO	X	
	SWJ10136	Rocky Creek					
	SWJ10138	Rocky Creek	good condition	12/14/2017	CO	X	
	SWJ10153	Rocky Creek					
	SWJ10230	Rocky Creek	high school ontersection 1/2 full road sand	1/31/2019	jh		x
	SWJ10236	Rocky Creek	old outlet in woods	1/31/2019	jh		x
130	SWJ10242	Rocky Creek					
	SWJ10251	Rocky Creek					
	SWJ10427	Rocky Creek	dfry and OK	2/11/2019		jh	X
	SWJ10439	Rocky Creek					
	SWJ10440	Rocky Creek					
	SWJ10448	Rocky Creek					
	SWJ10450	Rocky Creek					
	SWJ10503	Rocky Creek	pre cast headwall 24	2/27/2018	jh		x
	SWJ10752	Rocky Creek					
	SWJ10783	Rocky Creek					
140	SWJ10819	Rocky Creek					
	SWJ10851	Rocky Creek					

SWJ10852	Rocky Creek					
SWJ10857	Rocky Creek					
SWJ10870	Rocky Creek					
SWJ10901	Rocky Creek					
SWJ10913	Rocky Creek					
SWJ10916	Rocky Creek					
SWJ10929	Rocky Creek					
SWJ10937	Rocky Creek					
150 SWJ10949	Rocky Creek					
SWJ10954	Rocky Creek					
SWJ11115	Rocky Creek					
SWJ11129	Rocky Creek					
SWJ11160	Rocky Creek					
SWJ11169	Rocky Creek					
SWJ11177	Rocky Creek					
SWJ11317	Rocky Creek					
SWJ11330	Rocky Creek					
SWJ11349	Rocky Creek					
160 SWJ11353	Rocky Creek					
SWJ11356	Rocky Creek	over grown with jasmine. OK	2/6/2019	JH		x
SWJ11369	Rocky Creek					
SWJ11370	Rocky Creek					
SWJ11379	Rocky Creek					
SWJ11394	Rocky Creek	ok	1/31/2019	jh		x
SWJ11418	Rocky Creek					
SWJ11426	Rocky Creek					
SWJ11431	Rocky Creek					
SWJ11439	Rocky Creek	12 " in head wall	2/27/2018	jh	X	
170 SWJ11457	Pepperell Branch	west wwtp outfall	9/21/2018	jh	X	
SWJ11453	Rocky Creek	half way down lot line 12 concrete	1/31/2019	jh		x
SWJ11498	Rocky Creek	old 24"	2/27/2018	jh	X	
SWJ11502	Rocky Creek	old and half full of dirt, top of hill and private drive	2/27/2018	jh	X	
SWJ11505	Rocky Creek					
SWJ11508	Rocky Creek	empties in back yard. Odd ok	2/27/2018	jh	X	
SWJ11511	Rocky Creek	ADS plastic	2/27/2018	jh	X	
SWJ11530	Rocky Creek	24 " headwall brick is leaning	2/1/2019	jh		X
SWJ11533	Rocky Creek					
SWJ11550	Rocky Creek					
180 SWJ11611	Saugahatchee Lake, West					
CrKC 3	Creek C	inside creek 3x3	12/21/2017	jh	X	
4 trib	Creek C	side ditch 12x4	12/21/2017	jh	X	
CRKC5	Creek C	side ditch 4 ft ditch	12/21/2017	jh	X	
CRKC1	Creek C	in creek 48"	12/21/2017	jh	X	
PEPMN-8	Pepperell Branch	headwall collapsed. At old treatment plant/fire training center	2/2/2018	CO		X
PEPMN-7	Pepperell Branch	good condition	2/2/2018	CO		X
PEPMN-6	Pepperell Branch	poor condition. Collapsed headwall	1/8/2018	CO		X
PEPMN-5	Pepperell Branch	WPS outfall at Mingledorf.	1/8/2018	CO		X

PEPMN-4	Pepperell Branch	huddle house drain	1/8/2018	CO	X	
190 PEPMN-2	Pepperell Branch	36" culvert draining pepperell. Clean	1/8/2018	CO	X	
Ret #1 outfall	Pepperell Branch	at ret 1 outfall. Flows to auburn-saugahatchee ck	3/7/2018	jh	x	
617	Rocky Creek	18 headwall in culde sac	9/27/18	jh	x	
3478	Granbery Ck	36" pond retention drain	10/25/2018	h/o	x	
3479	Granbery Ck	36" retetnipn drain	10/25/2018	h/o	x	
SWJ 219	Halawakee creek	48 sloped qwL FOR gsf	11/28/2018	JH	X	
SWJ19384	Rocky Creek	detetnion outlet on Preston HG company	2/1/2019	JH		X
SWJ19385	Rocky Creek	12" dry outler OK	2/28/2019	jh		X
SWJ19386	Pepperell Branch					36-1
199 SWJ19387	Pepperell Branch					6.18
						42/21%





OUTFALL RECONNAISSANCE INVENTORY FIELD SHEET

Section 1: Background Data

Subwatershed: <u>Rocky Creek</u>		Outfall ID: <u>19385</u>	
Today's date: <u>2/28/19</u>		Time (Military): <u>1419</u>	
Investigators: <u>H</u>		Form completed by: John Harris	
Temperature (°F): <u>64</u>	Rainfall (in.): Last 24 hours: <u>0</u>	Last 48 hours: <u>0</u>	
Latitude:	Longitude:	GPS Unit:	GPS LMK #:
Camera:		Photo #s:	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input checked="" type="checkbox"/> Open Space	
<input type="checkbox"/> Ultra-Urban Residential		<input type="checkbox"/> Institutional	
<input checked="" type="checkbox"/> Suburban Residential		Other: <u>new NHD GIS 2017 layer</u>	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known): DETENTION/RETENTION # _____			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Circular <input checked="" type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: <u>12"</u>	In Water: <input checked="" type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
<input type="checkbox"/> Open drainage	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: _____ Top Width: _____ Bottom Width: _____	
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS					
PARAMETER	RESULT	UNIT	EQUIPMENT		
<input type="checkbox"/> Flow #1	Volume	N // A	Liter	Bottle	
	Time to fill		Sec		
<input type="checkbox"/> Flow #2	Flow depth		In	Tape measure	
	Flow width		Ft, In	Tape measure	
	Measured length		Ft, In	Tape measure	
	Time of travel		S	Stop watch	
Temperature			°F	Thermometer	
pH			pH Units	Test strip/Probe	
Ammonia			mg/L	Test strip	

Outfall Reconnaissance Inventory Field Sheet



Section 4: Physical Indicators for Flowing Outfalls Only *(If No, Skip to Section 5)*

Are Any Physical Indicators Present in the flow? Yes No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Rancid/sour <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Sulfide <input type="checkbox"/> Other:	<input type="checkbox"/> 1 - Faint	<input type="checkbox"/> 2 - Easily detected	<input type="checkbox"/> 3 - Noticeable from a distance
Color	<input type="checkbox"/>	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other:	<input type="checkbox"/> 1 - Faint colors in sample bottle	<input type="checkbox"/> 2 - Clearly visible in sample bottle	<input type="checkbox"/> 3 - Clearly visible in outfall flow
Turbidity	<input type="checkbox"/>	See severity	<input type="checkbox"/> 1 - Slight cloudiness	<input type="checkbox"/> 2 - Cloudy	<input type="checkbox"/> 3 - Opaque
Floatables -Does Not Include Trash!!	<input type="checkbox"/>	<input type="checkbox"/> Sewage (Toilet Paper, etc.) <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (oil sheen) <input type="checkbox"/> Other:	<input type="checkbox"/> 1 - Few/slight; origin not obvious	<input type="checkbox"/> 2 - Some; indications of origin (e.g., possible suds or oil sheen)	<input type="checkbox"/> 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

19385

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? Yes No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Peeling Paint <input type="checkbox"/> Corrosion	
Deposits/Stains	<input type="checkbox"/>	<input type="checkbox"/> Oily <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other:	
Abnormal Vegetation	<input type="checkbox"/>	<input type="checkbox"/> Excessive <input type="checkbox"/> Inhibited	
Poor pool quality	<input type="checkbox"/>	<input type="checkbox"/> Odors <input type="checkbox"/> Colors <input type="checkbox"/> Floatables <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other:	
Pipe benthic growth	<input type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Other:	

Section 6: Overall Outfall Characterization

Unlikely Potential (presence of two or more indicators) Suspect (one or more indicators with a severity of 3) Obvious

Section 7: Data Collection

1. Sample for the lab? Yes No

2. If yes, collected from: Flow Pool

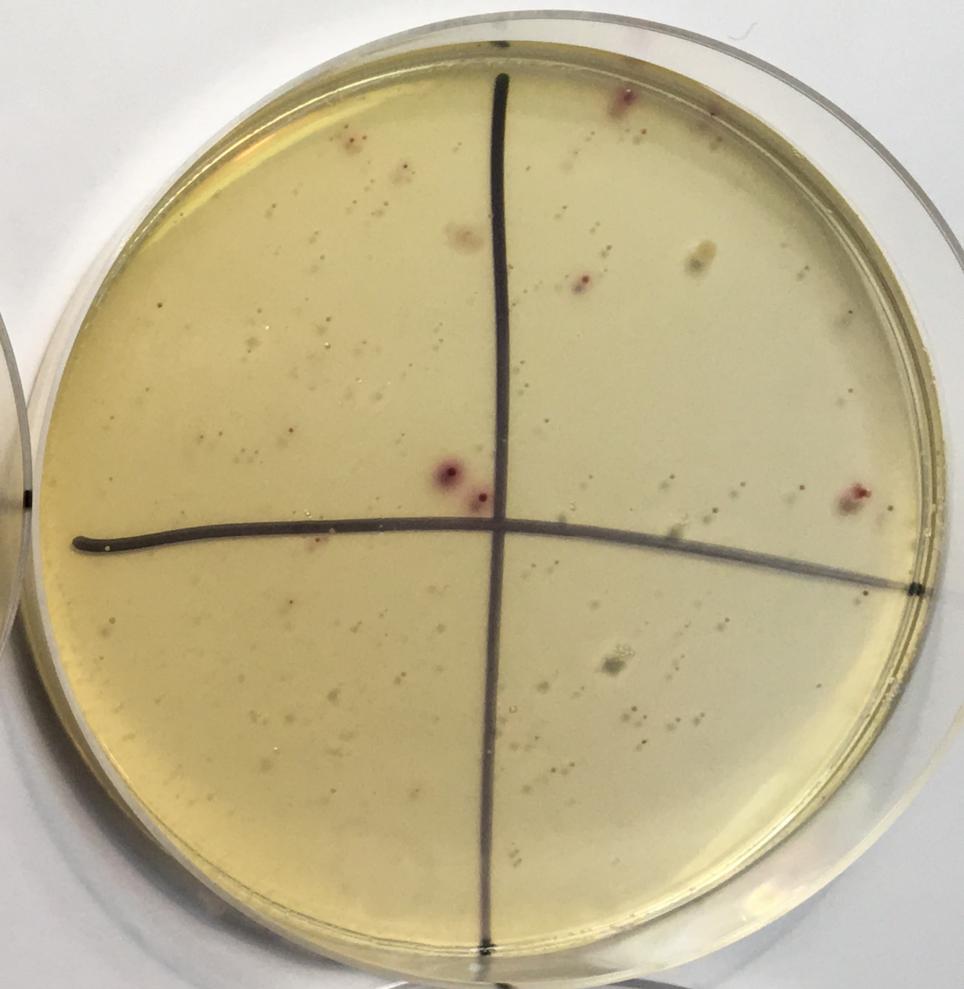
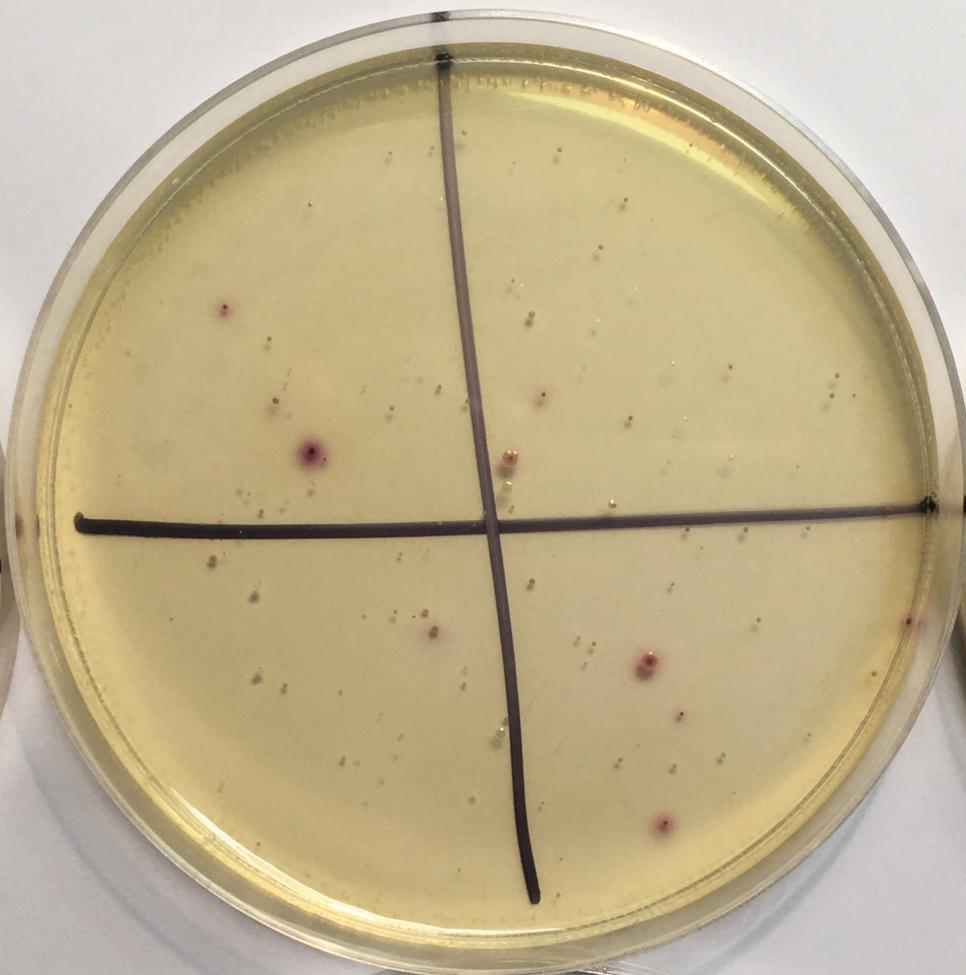
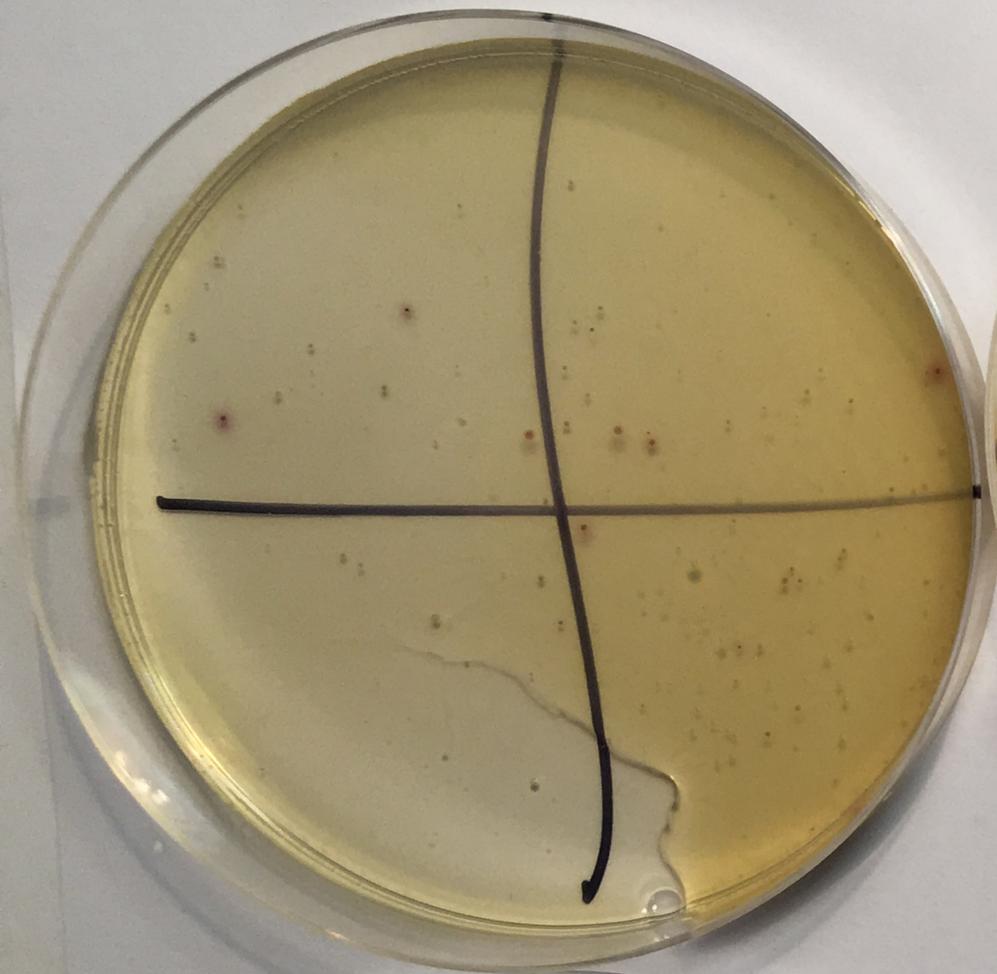
2.28-19

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

NEW NHD gis LAYER SET: (2017 ms4 OUTFALLS)

NEEDS FOLLOW UP? : YES _____ NO Operational





2-28-19

L-1

2-28-19

Lake
2

2-28-19

Lake 3



MOCKINGBIRD LN

ARROWHEAD AVE

WILLOW RUN

BLACKHAWK DR

OAKBOWL FLD

COLLINWOOD CIR

COLLINWOOD ST

PIEDMONT AVE

RIDGEWOOD CT

LAUREL ST

LAKESHIRE AVE

BONTA AVE

SHAMROCK ST

SUNSET CT



1650 S. Fox Run

The Crossing Retention outfall

OUTFALL RECONNAISSANCE INVENTORY FIELD SHEET



Section 1: Background Data

Subwatershed: <u>Granberry Ch</u>		Outfall ID: <u>3478</u>	
Today's date: <u>10 / 25 / 18</u>		Time (Military): <u>10:15</u>	
Investigators: <u>H+O</u>		Form completed by: John Harris	
Temperature (°F): <u>62</u>	Rainfall (in.): Last 24 hours: <u>0</u>	Last 48 hours: <u>0</u>	
Latitude:	Longitude:	GPS Unit:	GPS LMK #:
Camera:		Photo #s:	
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial	<input checked="" type="checkbox"/> Open Space		
<input type="checkbox"/> Ultra-Urban Residential	<input type="checkbox"/> Institutional		
<input checked="" type="checkbox"/> Suburban Residential	Other: <u>new NHD GIS 2017 layer</u>		
<input type="checkbox"/> Commercial	Known Industries: _____		
Notes (e.g., origin of outfall, if known): <u>DETENTION/RETENTION # <u>yes</u></u>			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: <u>36</u>	In Water: <input type="checkbox"/> No <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input checked="" type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
<input type="checkbox"/> Open drainage	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: _____ Top Width: _____ Bottom Width: _____	
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>If No, Skip to Section 5</i>			
Flow Description (If present)	<input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER	RESULT	UNIT	EQUIPMENT	
<input type="checkbox"/> Flow #1	Volume	N // A	Liter	Bottle
	Time to fill		Sec	
<input type="checkbox"/> Flow #2	Flow depth		In	Tape measure
	Flow width	<u>N/A</u>	Ft, In	Tape measure
	Measured length	<u>N/A</u>	Ft, In	Tape measure
	Time of travel	<u>N/A</u>	S	Stop watch
Temperature		°F	Thermometer	
pH	<u>trickle</u>	pH Units	Test strip/Probe	
Ammonia	<u>beaver clogged</u>	mg/L	Test strip	

Outfall Reconnaissance Inventory Field Sheet



Section 4: Physical Indicators for Flowing Outfalls Only

(If No, Skip to Section 5)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Rancid/sour <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Sulfide <input type="checkbox"/> Other:	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily detected <input type="checkbox"/> 3 - Noticeable from a distance
Color	<input type="checkbox"/>	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other:	<input type="checkbox"/> 1 - Faint colors in sample bottle <input type="checkbox"/> 2 - Clearly visible in sample bottle <input type="checkbox"/> 3 - Clearly visible in outfall flow
Turbidity	<input type="checkbox"/>	See severity	<input type="checkbox"/> 1 - Slight cloudiness <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables -Does Not Include Trash!!	<input type="checkbox"/>	<input type="checkbox"/> Sewage (Toilet Paper, etc.) <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (oil sheen) <input type="checkbox"/> Other:	<input type="checkbox"/> 1 - Few/slight; origin not obvious <input type="checkbox"/> 2 - Some; indications of origin (e.g., possible suds or oil sheen) <input type="checkbox"/> 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? Yes No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Peeling Paint <input type="checkbox"/> Corrosion	
Deposits/Stains	<input type="checkbox"/>	<input type="checkbox"/> Oily <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other:	
Abnormal Vegetation	<input type="checkbox"/>	<input type="checkbox"/> Excessive <input type="checkbox"/> Inhibited	
Poor pool quality	<input type="checkbox"/>	<input type="checkbox"/> Odors <input type="checkbox"/> Colors <input type="checkbox"/> Floatables <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other:	
Pipe benthic growth	<input type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Other:	

Section 6: Overall Outfall Characterization

Unlikely Potential (presence of two or more indicators) Suspect (one or more indicators with a severity of 3) Obvious

Section 7: Data Collection

1. Sample for the lab? Yes No

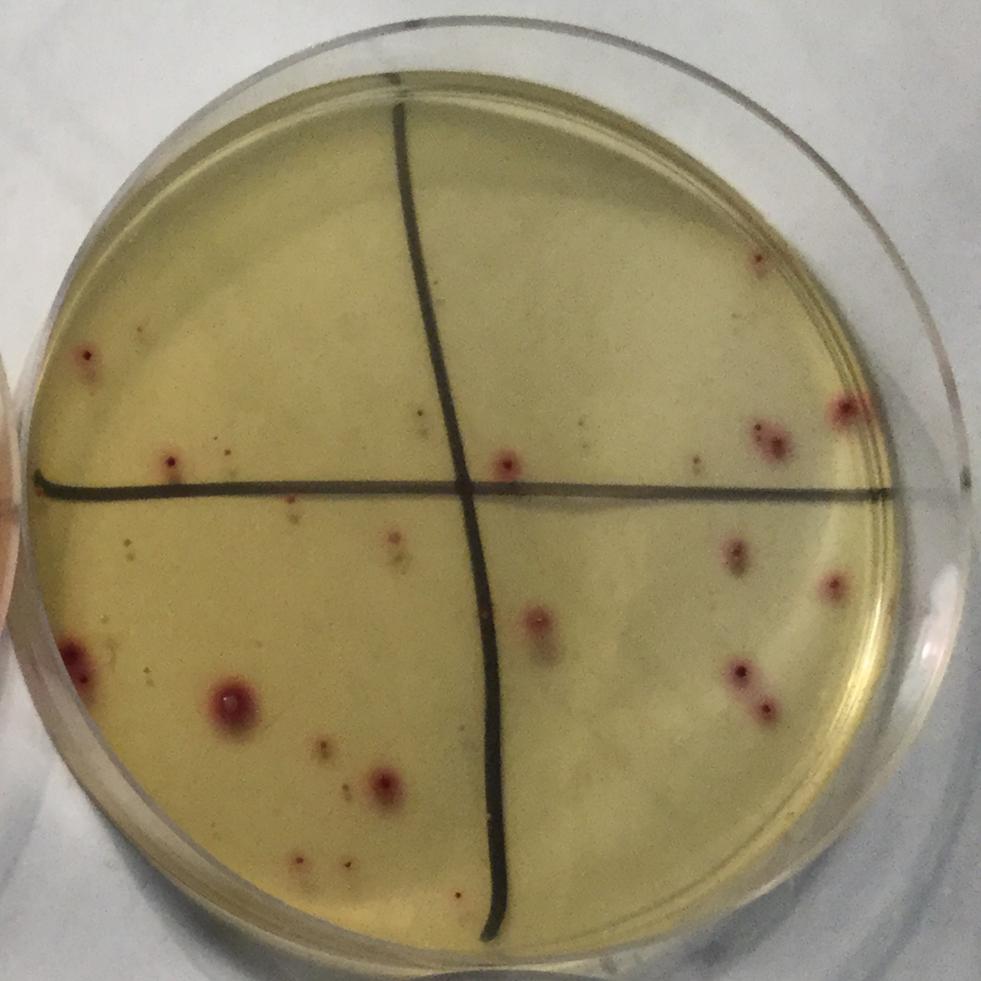
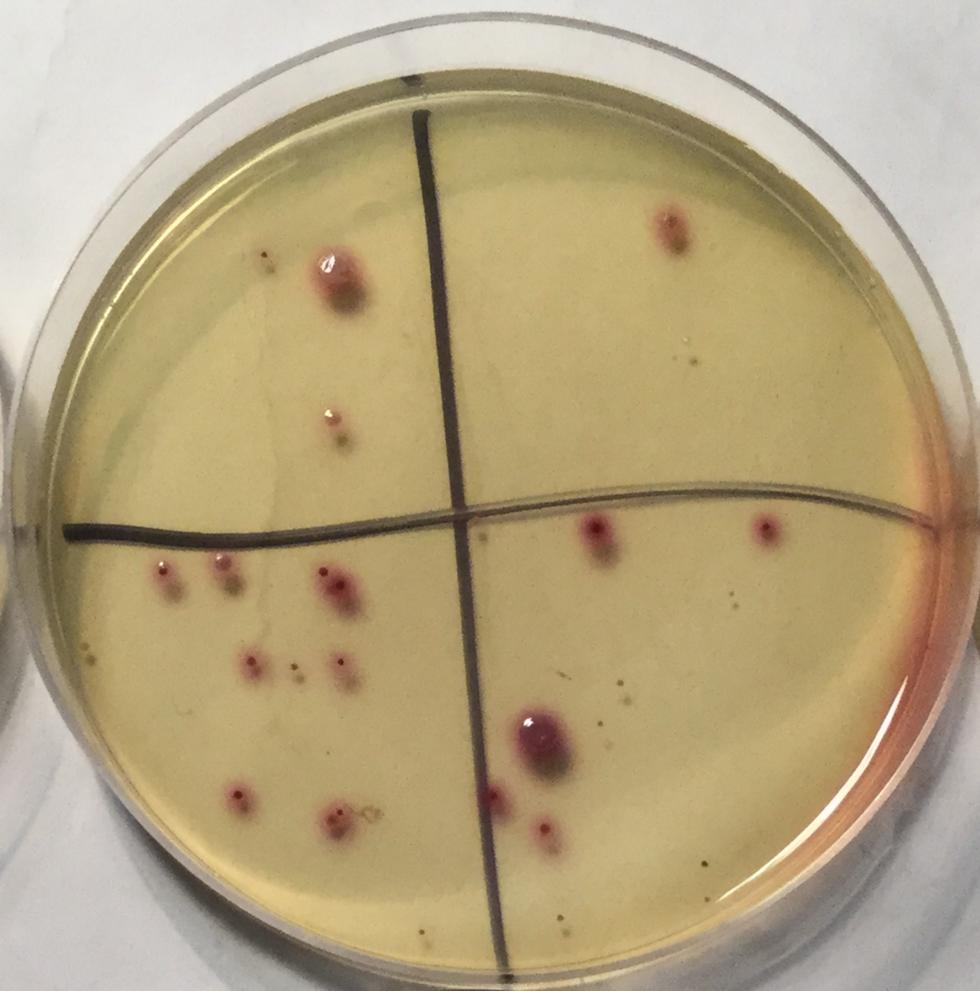
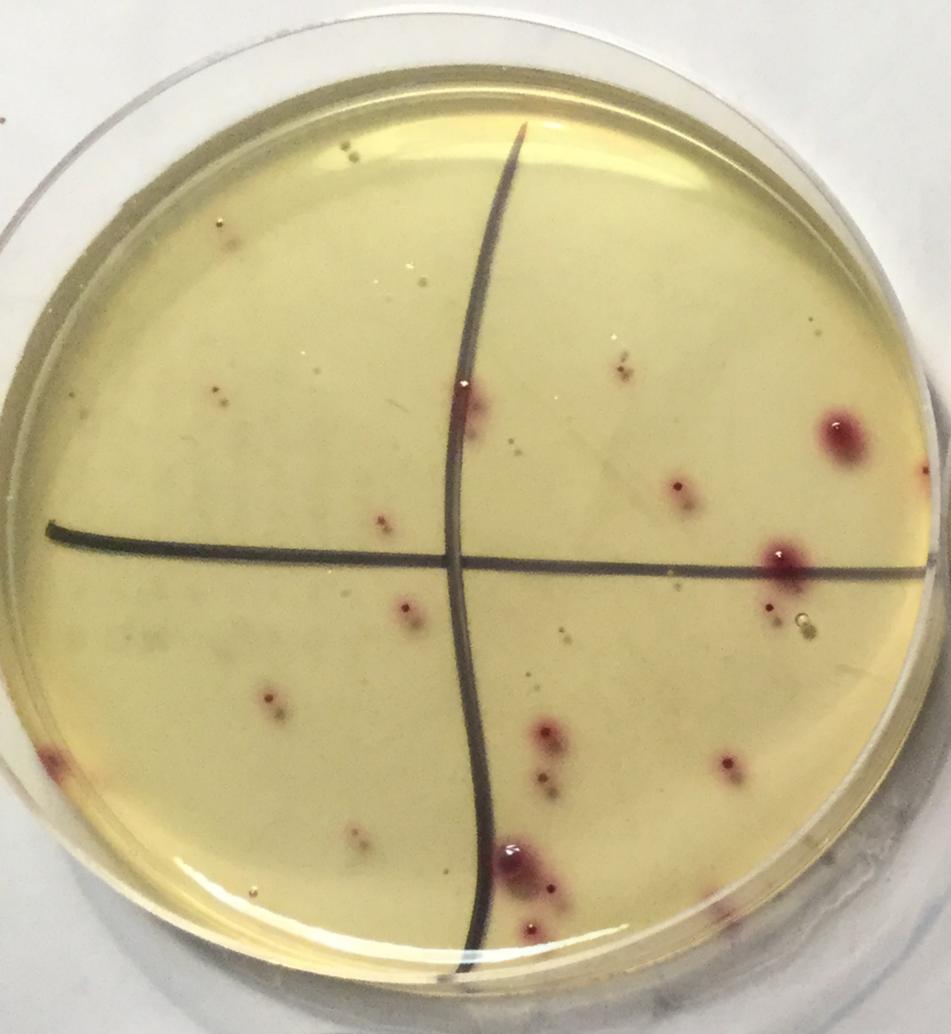
2. If yes, collected from: Flow Pool

10-25-19

Section 8: Any Non-Ilicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

NEW NHD gis LAYER SET: (2017 ms4 OUTFALLS)

NEEDS FOLLOW UP? : YES _____ NO Operational



Wave
1
1-8-19

Wave
2
1-8-19

Wave
3
1-8-19

2018 COMPLAINTS

NAME	DATE	ADDRESS OF ISSUE	PHONE #	DATE OF VISIT	summary issue	ON site or OFF	Revisit for compliance	Owner	CORRECTIVE ACTION	IDDE y/n	resolved	type	
Cindy Ruskin	1/11/2018	1408 Finchley	887-7787	1/11/2018	road mud from house site	on site		John Lowery 256-590-2593	swept up	Y	Y	outside vendor	
Joe Carmichael	1/23/2018	Northbrook Sub 5	e-mail	1/24/2018	detention pond into lake	on site		770-212-0036 J bar Co,	muck, floc log & skimmer	Y	Y	CONST	
Mr. Steffey	1/24/2018	1713 Delphi	by E smith	1/24/2018	gutter brick, debris	on site		home owner		Y	Y	Environ	
OES	2/1/2018	3901 Pepperell Pkwy	741-8449	2/1/2018	grey water clean out spill	on site		Title Max		3/1/2018	Y	Y	Repair
Coy Butler	2/1/2018	209 whittle Ave	745-3371	2/2/2018	EXCESS fines in driveway	ON SITE		Coy Butler	call neighbor Jesse Ward	n	y		
Dale Massey	2/7/2018	Royal Park Estates		2/7/2018	above log site flow	off site		Keith Newell	silt fencing	Y	Y	Maintenance	
Bar Eason	2/15/2018	Ermie	OES	2/15/2018	road pot hole	on site		city street	none	N	-		
Kiland Dalton	2/21/2018	2401 Long		2/21/2018	creek wall	on site	x	Mr. Dalton	none, private land	N	N		
Adam Pierce	2/21/2018	Lift 2 esg	319-7795	2/21/2018	oil sheen	on site	ESG	ESG pump	none, normal tannins	n	NA		
Gwennys way	3/14/2018	303 Gwynne's way		3/14/2018	old vegetable oil jugs	on site		owner Yon	remove old operations	Y	Y		
M Charles c.o.	4/28/2018	Southwick		multiple				M. Charles		n	n		
Shari Bartlow	4/26/2018	815 Lori Lane	civi	4/26/2018	inlet eel	on site	x	Bartlow	none - wattle	n	y		
Patrick slaughter	5/11/2018	1409 Finchley	256-590-2593	5/11/2018	concrete chute clean out	on site		Chris Lowry	sweep gutter	Y	Y		
Pam Tillis	5/15/2018	1100 Hampstead		5/15/2018	road dirt	on site		Hudmon const	Washed and swept street	Y	Y		
Damon Wallace		43236 end of Waverly Pkwy	334-524-2077	43236	minor staining from sed.	off site	numerous	Stone Martin Builders	numerous BMP improvements	n	y		
Ron Herring	5/23/2018	1103 Andrews Road	334-524-6759	5/23/2018	stained pond from splex road	off site	Newell	Newell		n	y		
Jackelyn Jones	5/23/2018	206 Vaughn Avenue	334-740-1784	5/23/2018	sanitary overflow into SW	off site	x	ESG	ESG ON IT	n	y		
Kenny Neel	5/23/2018	2000 Northgate Dr	334-319-6713	5/23/2018	turbid water on lot/driveway	off site		Rusty	regrade & CEP, silt fence	Y	Y		
Lance Carmichael	5/30/2018	808 white rd.	web	5/30/2018	road gullyng, no crown	on site		city street	forward to M Hilyer	n	y		
Motley/Earnestine	6/4/2018	1001 Ward #13	via Motley	6/4/2018	front yard water puddle	on site		city maint ???	Sent report to Motley for ESG	n	?		
Mr. Echols 524-5368	6/5/2018	501 Darden	via mayor	6/5/2018	road water	on site		Mr. Echols	private property	n	y		
Sou. Landscaping	6/7/2018	Fredrick smell	citizen	6/6/2018	sewage smell x3	on site	esg	ESG	ESG ON IT	Y	Y		
" 706-566-2886	6/7/2018	7th & C	citizen	6/7/2018	bank trickle	ON SITE	NONE	WW BOARD	WW B	N	Y		
B Arrington	6/7/2019	2201 Dorsey	vai mayor	6/7/2018	Sso lot 18	on site	6/15/18,no change	walker: sent violation 6/18/18	owner to call mr walker	Y	Y 6/28/18		
Pam Tillis	6/8/2018	1101 Hampstead	citizen	6/8/2018	road mud	on off	swept 6/11/18	Hudmon const called Brandon	sweep gutter	Y	Y		
Luther Robinson	6/12/2018	camelia ave.	745-3252	6/12/2018	frying oil in inlet	On		called by citizen R	notify 2 residents	Y	letter		
Keith Wilson	6/13/2018	Beverly	404-925-1345	6/15/2018	road dirt, const	on	N/A	sent email to Holland	private lot issues	Y	n		
Amy McKay	6/14/2018	Etawah	5240593	6/15/2018	bare back yard on slope	on site	N/A	property owner - McKay	advised action/consult twin oaks	n	N/A		
Chris Tomlinson	6/15/2018	2214 Executive dr	203-1331	6/18/2018	water back up/detentions	on	6/20/2018	Life storage	clean gutter detention maint.	n	Y		
william haynes	6/20/2018	1202 blackhawk dr	334-749-0182	6/20/2018	trees in crek	creek	N/A	COE- provate prop	remove ddowned trees	n	y		
dan Goslin@gmail.cor	6/22/2018	2606 wav pkwy	704-3269	6/25/2018	poor drainage in private flo	on site	private	And Goslin	300' needs mainyaning fall for flow	n	n		
Randy Crenshaw	6/29/2018	216 Indigo	828-713-6709	6/29/2018	poor yard drainage	both	private	Randy Crenshaw	neighbor remove clippings from fence	n	n		
AB Connor	7/9/2018	3462 Lakeshore dr	mayor off	7/9/2018	no silt fence	on	7/9/18, fence up	King braswell co.	erect silt fence	Y	Y		
aaron	7/23/2018	907 West Point pkwy	850-419-5267	7/23/2018	exces flow fm chimney const site off	on site	private	Aaron Warren	builder needs to repair silt fencing	n	y7		
call in/barb arrington	7/31/2018	Cunningham	cith hall/web	7/31/2018	dust- Roy Granger operation	off site	no need	RoyGranger	dust from hauling dirt	Y	Y		
neighbor	8/21/2018	2013 Coper Ln	city hall web	8/21/2018	yared holdign water fm fill	on	none	natalie Tulberg	approach neighbor	n	Y		

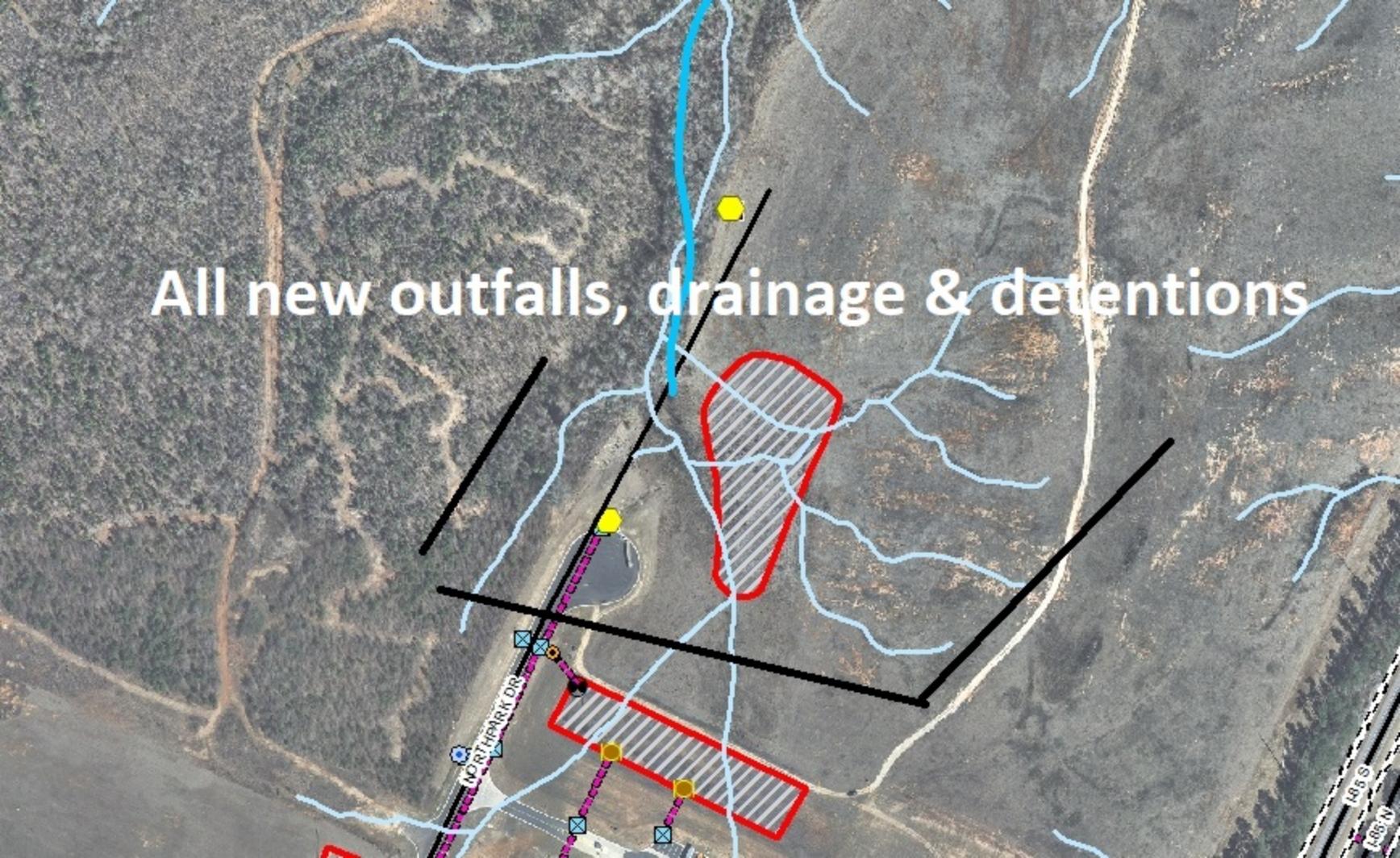
Before rehab



After rehab



All new outfalls, drainage & detentions



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ALOA
Erosion and Sediment Control



Opelika

CML

2018 spill reports

	A	B	C	D	E	F
1	DATE	LOCATION	TYPE	COMPLETED/NOTES		
2	1/9/18	Cunningham man hole	sewer overflow, weeks	repaired ESG	1	
3	1/17/18	powerledge&Trimble	Car hit hydrant, gas leak	less than 5 gal, oil dry. OK	2	
4	1/23/18	22nd st	sewer leaking into storm	ESG replaced with steel pipe.	3	
5	3/16/18	York avenue	oil from vehicle wreck	less than 3 gallons. OFD cleaned day of.	4	
6	4/1/18	2nd ave.	pump overflow	OFD/Alexander environmental ser vacced clean	5	
7	5/23/18	jetter learning ctr	OES truck leak	dry cleaned up	6	
8	8/22/18	Geneva st rail overpass	18 wheel dump	OFD placed sand on hydraulic oil. CONTAINED !	7	
9	9/4/18	fox run	18 wheel antifreeze	accident, truck radiator contents on roadway	8	
10	10/3/18	EAP tank truck	Tar spraying truck	See notes to 800 gal spill/ <i>fatality</i>	9	
11						
12						
13						
14						

2018 COMPLAINTS

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OES	2/1/2018	3901 Pepperell Pkwy	741-8449	2/1/2018	grey water clean out spill	on site		3/1/2018 Title Max		3/1/2018 Y	Y	Repair
Coy Butler	2/1/2018	209 whittle Ave	745-3371	2/2/2018	EXCESS fines in driveway	ON SITE		2/8/2018 Coy Butler	call neighbor Jesse Ward	n	y	
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Bar Eason	2/15/2018	Ermie	OES	2/15/2018	road pot hole	on site		2/16/2018 city street	none	N	-	
Kiland Dalton	2/21/2018	2401 Long		2/21/2018	creek wall	on site	x	Mr. Dalton	none, private land	N	N	
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M Charles c.o.	4/28/2018	Southwick		multiple				M. Charles		n	n	
Shari Bartlow	4/26/2018	815 Lori Lane	civi	4/26/2018	inlet eel	on site	x	Bartlow	none - wattle	n	y	
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Kenny Neel	5/23/2018	2000 Northgate Dr	334-319-6713	5/23/2018	turbid water on lot/driveway	off site		6/12/2018 Rusty	regrade & CEP, silt fence	Y	Y	
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Randy Crenshaw	6/29/2018	216 Indigo	828-713-6709	6/29/2018	poor yard drainage	both	private	Randy Crenshaw	neighbor remove clippings from fence	n	n	
AB Connor	7/9/2018	3462 Lakeshore dr	mayor off	7/9/2018	no silt fence	on	7/9/18, fence up	King braswell co.	erect silt fence	Y	Y	
aaron	7/23/2018	907 West Point pkwy	850-419-5267	7/23/2018	exces flow fm chimney const site off	on site	private	Aaron Warren	builder needs to repair silt fencing	n	y7	
call in/barb arrington	7/31/2018	Cunningham	cith hall/web	7/31/2018	dust- Roy Granger operation	off site	no need	RoyGranger	dust from hauling dirt	Y	Y	
neighbor	8/21/2018	2013 Coper Ln	city hall web	8/21/2018	yared holdign water fm fill	on	none	natalie Tulberg	approach neighbor	n	Y	

Request ID	Request Type	Request Source	Status	Priority	Date Submitted
5	Stormwater	Online Form	Closed	3	4/12/2018 9:20
5	Stormwater	Online Form	Closed	3	4/12/2018 9:20
5	Stormwater	Online Form	Closed	3	4/12/2018 9:20
5	Stormwater	Online Form	Closed	3	4/12/2018 9:20
5	Stormwater	Online Form	Closed	3	4/12/2018 9:20
5	Stormwater	Online Form	Closed	3	4/12/2018 9:20
5	Stormwater	Online Form	Closed	3	4/12/2018 9:20
16	Stormwater	Online Form	Closed	3	5/30/2018 11:21
16	Stormwater	Online Form	Closed	3	5/30/2018 11:21
16	Stormwater	Online Form	Closed	3	5/30/2018 11:21
16	Stormwater	Online Form	Closed	3	5/30/2018 11:21
16	Stormwater	Online Form	Closed	3	5/30/2018 11:21
16	Stormwater	Online Form	Closed	3	5/30/2018 11:21
16	Stormwater	Online Form	Closed	3	5/30/2018 11:21
16	Stormwater	Online Form	Closed	3	5/30/2018 11:21
19	Stormwater	Online Form	Closed	3	6/20/2018 21:02
19	Stormwater	Online Form	Closed	3	6/20/2018 21:02
19	Stormwater	Online Form	Closed	3	6/20/2018 21:02
19	Stormwater	Online Form	Closed	3	6/20/2018 21:02
19	Stormwater	Online Form	Closed	3	6/20/2018 21:02
19	Stormwater	Online Form	Closed	3	6/20/2018 21:02
39	Stormwater	Online Form	Closed	3	8/20/2018 18:27
39	Stormwater	Online Form	Closed	3	8/20/2018 18:27
39	Stormwater	Online Form	Closed	3	8/20/2018 18:27
39	Stormwater	Online Form	Closed	3	8/20/2018 18:27
40	Stormwater	Online Form	Closed	3	8/23/2018 16:24
40	Stormwater	Online Form	Closed	3	8/23/2018 16:24
40	Stormwater	Online Form	Closed	3	8/23/2018 16:24
40	Stormwater	Online Form	Closed	3	8/23/2018 16:24
49	Stormwater	Online Form	Closed	3	9/26/2018 16:37
49	Stormwater	Online Form	Closed	3	9/26/2018 16:37
49	Stormwater	Online Form	Closed	3	9/26/2018 16:37
49	Stormwater	Online Form	Closed	3	9/26/2018 16:37
49	Stormwater	Online Form	Closed	3	9/26/2018 16:37
52	Stormwater	Online Form	Assigned to Hilyer	3	10/8/2018 16:13
52	Stormwater	Online Form	Assigned to Hilyer	3	10/8/2018 16:13

Date Closed	Date Last Modified	Submitter Name	Submitter Hc	Submitter Street Narr
4/27/2018 11:13	4/27/2018 11:13	Shari Bartlow	815	LORI LANE
4/27/2018 11:13	4/27/2018 11:13	Shari Bartlow	815	LORI LANE
4/27/2018 11:13	4/27/2018 11:13	Shari Bartlow	815	LORI LANE
4/27/2018 11:13	4/27/2018 11:13	Shari Bartlow	815	LORI LANE
4/27/2018 11:13	4/27/2018 11:13	Shari Bartlow	815	LORI LANE
4/27/2018 11:13	4/27/2018 11:13	Shari Bartlow	815	LORI LANE
4/27/2018 11:13	4/27/2018 11:13	Shari Bartlow	815	LORI LANE
6/21/2018 11:14	6/21/2018 11:14	Lance Carmichael	808	White Rd
6/21/2018 11:14	6/21/2018 11:14	Lance Carmichael	808	White Rd
6/21/2018 11:14	6/21/2018 11:14	Lance Carmichael	808	White Rd
6/21/2018 11:14	6/21/2018 11:14	Lance Carmichael	808	White Rd
6/21/2018 11:14	6/21/2018 11:14	Lance Carmichael	808	White Rd
6/21/2018 11:14	6/21/2018 11:14	Lance Carmichael	808	White Rd
6/21/2018 11:14	6/21/2018 11:14	Lance Carmichael	808	White Rd
6/27/2018 11:51	6/27/2018 11:51	Daniel Goslin	2606	Waverly Parkway
6/27/2018 11:51	6/27/2018 11:51	Daniel Goslin	2606	Waverly Parkway
6/27/2018 11:51	6/27/2018 11:51	Daniel Goslin	2606	Waverly Parkway
6/27/2018 11:51	6/27/2018 11:51	Daniel Goslin	2606	Waverly Parkway
6/27/2018 11:51	6/27/2018 11:51	Daniel Goslin	2606	Waverly Parkway
6/27/2018 11:51	6/27/2018 11:51	Daniel Goslin	2606	Waverly Parkway
8/24/2018 7:08	8/24/2018 7:08	Mark Ecklund	806	Cutler Ridge Ct
8/24/2018 7:08	8/24/2018 7:08	Mark Ecklund	806	Cutler Ridge Ct
8/24/2018 7:08	8/24/2018 7:08	Mark Ecklund	806	Cutler Ridge Ct
8/24/2018 7:08	8/24/2018 7:08	Mark Ecklund	806	Cutler Ridge Ct
8/24/2018 10:52	8/24/2018 10:52	Myles Tatum	1111	Collinwood St
8/24/2018 10:52	8/24/2018 10:52	Myles Tatum	1111	Collinwood St
8/24/2018 10:52	8/24/2018 10:52	Myles Tatum	1111	Collinwood St
8/24/2018 10:52	8/24/2018 10:52	Myles Tatum	1111	Collinwood St
10/15/2018 9:28	10/15/2018 9:28	Charles Morgan	5	Moore Avenue
10/15/2018 9:28	10/15/2018 9:28	Charles Morgan	5	Moore Avenue
10/15/2018 9:28	10/15/2018 9:28	Charles Morgan	5	Moore Avenue
10/15/2018 9:28	10/15/2018 9:28	Charles Morgan	5	Moore Avenue
10/15/2018 9:28	10/15/2018 9:28	Charles Morgan	5	Moore Avenue
	10/8/2018 16:38	Shannon McKenzi	813	Avenue D
	10/8/2018 16:38	Shannon McKenzi	813	Avenue D

Submitter	Cit	Submitter St	Submitter Zip	Submitter Ph	Submitter Email Address	Problem Add
OPELIKA	AL		36804	256-393-324	sharibartlow@gmail.com	815
OPELIKA	AL		36804	256-393-324	sharibartlow@gmail.com	815
OPELIKA	AL		36804	256-393-324	sharibartlow@gmail.com	815
OPELIKA	AL		36804	256-393-324	sharibartlow@gmail.com	815
OPELIKA	AL		36804	256-393-324	sharibartlow@gmail.com	815
OPELIKA	AL		36804	256-393-324	sharibartlow@gmail.com	815
OPELIKA	AL		36804	256-393-324	sharibartlow@gmail.com	815
Opelika	AL		36801	334 235-742	Lance.Carmichael@gmail.com	808
Opelika	AL		36801	334 235-742	Lance.Carmichael@gmail.com	808
Opelika	AL		36801	334 235-742	Lance.Carmichael@gmail.com	808
Opelika	AL		36801	334 235-742	Lance.Carmichael@gmail.com	808
Opelika	AL		36801	334 235-742	Lance.Carmichael@gmail.com	808
Opelika	AL		36801	334 235-742	Lance.Carmichael@gmail.com	808
Opelika	Alabama		36801-3305	(334) 704-32	DanGoslin@GMail.com	2606 Waverl
Opelika	Alabama		36801-3305	(334) 704-32	DanGoslin@GMail.com	2606 Waverl
Opelika	Alabama		36801-3305	(334) 704-32	DanGoslin@GMail.com	2606 Waverl
Opelika	Alabama		36801-3305	(334) 704-32	DanGoslin@GMail.com	2606 Waverl
Opelika	Alabama		36801-3305	(334) 704-32	DanGoslin@GMail.com	2606 Waverl
Opelika	Al		36801		meckl8321@gmail.com	806
Opelika	Al		36801		meckl8321@gmail.com	806
Opelika	Al		36801		meckl8321@gmail.com	806
Opelika	Al		36801		meckl8321@gmail.com	806
Opelika	AL		36801		tatummsr@gmail.com	1120
Opelika	AL		36801		tatummsr@gmail.com	1120
Opelika	AL		36801		tatummsr@gmail.com	1120
Opelika	AL		36801		tatummsr@gmail.com	1120
Opelika	Alabama		36804	334-319-060	randy_morgan48@yahoo.coi	3801
Opelika	Alabama		36804	334-319-060	randy_morgan48@yahoo.coi	3801
Opelika	Alabama		36804	334-319-060	randy_morgan48@yahoo.coi	3801
Opelika	Alabama		36804	334-319-060	randy_morgan48@yahoo.coi	3801
Opelika	Alabama		36804	334-319-060	randy_morgan48@yahoo.coi	3801
Opelika	Alabama		36901	334-444-830	Shannonraemckenzie@gmail	813
Opelika	Alabama		36901	334-444-830	Shannonraemckenzie@gmail	813

Problem	Add Problem	Add Problem	Add Problem	Add Problem	Add Problem	Add Request
LORI LANE			OPELIKA	AL	36804	16
LORI LANE			OPELIKA	AL	36804	25
LORI LANE			OPELIKA	AL	36804	36
LORI LANE			OPELIKA	AL	36804	37
LORI LANE			OPELIKA	AL	36804	38
LORI LANE			OPELIKA	AL	36804	40
LORI LANE			OPELIKA	AL	36804	41
White Road			Opelika	AL	36801	70
White Road			Opelika	AL	36801	71
White Road			Opelika	AL	36801	77
White Road			Opelika	AL	36801	78
White Road			Opelika	AL	36801	81
White Road			Opelika	AL	36801	82
White Road			Opelika	AL	36801	98
Storm water	2606 Waverly Parkway		Opelika	Alabama	36801-3305	95
Storm water	2606 Waverly Parkway		Opelika	Alabama	36801-3305	99
Storm water	2606 Waverly Parkway		Opelika	Alabama	36801-3305	102
Storm water	2606 Waverly Parkway		Opelika	Alabama	36801-3305	103
Storm water	2606 Waverly Parkway		Opelika	Alabama	36801-3305	112
Storm water	2606 Waverly Parkway		Opelika	Alabama	36801-3305	113
Cutler Ridge Ct			Opelika	Alabama	36801	187
Cutler Ridge Ct			Opelika	Alabama	36801	189
Cutler Ridge Ct			Opelika	Alabama	36801	195
Cutler Ridge Ct			Opelika	Alabama	36801	196
East Collinwood Cir			Opelika	AL	36801	194
East Collinwood Cir			Opelika	AL	36801	197
East Collinwood Cir			Opelika	AL	36801	198
East Collinwood Cir			Opelika	AL	36801	199
Marvyn			Opelika	Alabama	36801	225
Marvyn			Opelika	Alabama	36801	226
Marvyn			Opelika	Alabama	36801	227
Marvyn			Opelika	Alabama	36801	228
Marvyn			Opelika	Alabama	36801	244
Avenue D	Avenue E		Opelika	Alabama	334-444-830	233
Avenue D	Avenue E		Opelika	Alabama	334-444-830	234

Request Comment Date Request Comment

4/12/2018 9:20 Your Request ID Number is 5. Brief Description Clogged storm sewer
4/14/2018 9:21 Email sent to: barrington@opelika-al.gov Please respond to this request
4/26/2018 9:08 Thank you. I have forwarded your request to the appropriate department
4/26/2018 9:08
4/26/2018 9:09 Request assigned to Mike Hilyer. Reason: Mike, please let me know
4/27/2018 11:11 The Engineering Department checked on this at 11:50 a.m. It appears
4/27/2018 11:13 The request was closed.
5/30/2018 11:21 Your Request ID Number is 16. Brief Description Seeing as you can
5/30/2018 12:09 Request assigned to John Harris. Reason: John, not sure if this is a
5/30/2018 15:47 investigated today. Sent pix to Mike Hilyer. Road maint. JH 2:40 t
5/30/2018 15:48 The request was closed. forwarded to ESG
5/31/2018 16:47 The request was re-opened. ESG informed me that as soon as they
6/5/2018 13:05 Mr. Carmichael. I am please to inform you that John Harris, our st
6/21/2018 11:14 The request was closed.
6/20/2018 21:02 Your Request ID Number is 19. Brief Description I have storm water
6/21/2018 11:15 Request assigned to Cory Akers. Reason: Forwarded to ESG
6/25/2018 9:06 Please let Mr. Goslin know what action has been taken on his requ
6/25/2018 15:23 John Harris, stormwater coordinator assessed the complaint. Until
6/27/2018 11:51 Director and Superintendent have looked at this and it is a private
6/27/2018 11:51 The request was closed.
8/20/2018 18:27 Your Request ID Number is 39. Brief Description Pinecrest Subdivi
8/21/2018 8:28 Request assigned to Scott Parker. Reason: Your request has been f
8/24/2018 7:07 I made site visit. Also reviewed the video sent by Ecklund. Wrote h
8/24/2018 7:08 The request was closed. Parker to complete. Copied Parker in on
8/23/2018 16:24 Your Request ID Number is 40. Brief Description The storm drain l
8/24/2018 9:37 Request assigned to Scott Parker. Reason: This request has been as
8/24/2018 10:52 Looked at pipe issue and forwarded with 3 pix to ESG MH for repai
8/24/2018 10:52 The request was closed. to ESG
9/26/2018 16:37 Your Request ID Number is 49. Brief Description Every time we get
9/26/2018 16:48 Thank you. Your request has been sent to the Storm Water Coordi
9/26/2018 16:48 Request assigned to Case ODell. Reason: (None given)
9/27/2018 8:18 It seems to me that there is a problem with standing water on Mar
10/15/2018 9:28 The request was closed. Sent to ALDOT for maintenance
10/8/2018 16:13 Your Request ID Number is 52. Brief Description We have been ha
10/8/2018 16:38 Request assigned to Mike Hilyer. Reason: Thank you. Mr. Mike Hil

er drain. Appears to be closed with construction debris Problem Location Street Number and
artment. Barbara Arrington Administrative Assistant to Mayor Fuller 334-705-5150

ears that an erosion log or reel is in the inlet. It is trapping sediment but allows water to pass sl
l;t manage to pave the road, it would be nice if you at least attempted to manage the storm v

r can get equipment to White Road, they will address the drainage to divert the flow of road w
orm water manager accessed your situation and crews were dispatched to correct this situati
er backing up and stagnant on my property. It is caused by lack of storm water drainage pipes

If there is a land use or zoning change, the planning statutes still apply as residential. All activi
sion, specifically 806 Cutler Ridge Ct. EXTREME RUNOFF of storm water from MY PROPERTY. It

im as an HOA and private property issue. Deferred to Scott Parker to follow up 8-21-18JH

ocated at the bottom of the hill on E. Collinwood Circle (1120 E. Collinwood Cir.) the concrete
rs. B Arrington was "cced" with scott/case. My task is completed 10:55 8/23/18 am

t a heavy rain in front of 3801 Marvyn Parkway and 5 Moore Ave. Water runs and stands on th

rvyn parkway that is causing a hydroplane hazard on the highway. This is a State maintained h
ving a major problem with mosquitos. I have had a private mosquito control company since la

Address Line 1: 815 <!--Street Name:--> LORI LANE Address Line 2: City OPELIKA State AL Zip Code 368

lowly. They will continue to monitor. For now, it is functioning. Thank you for bringing this
water run off that washes out the road. White road is full of potholes and washed out areas ar

on. They will continue to monitor your road but please call if you have any other concerns. Er
on adjacent properties (2704 Waverly, 2712 Waverly, 2714 Waverly, and 2716 Waverly Parkw
ty will be on private property which prevents the city from activities for drainage issues.

: is CAUSED by rainwater collectors moving water OFF Waverly Pkwy, into a collector UNDER N

stormwater drain is being undermined during heavy rainfall that will soon cause a failure to th

the highway flowing off 5 Moore Avenue and towards the other side of 3801 Marvyn Parkway c

highway and i will notify ALDOT of this issue. It should be a relatively easy maintenance opera

ist Fall. We checked the storm drainage beside our house and found it to be filled with mud ar

304 Photograph Your Information Name Shari Bartlow !

write in to get anything done. It would be great if you at least put in ditches to try and steer th

er and Name 2606 Waverly Parkway <!--Street Name:--> Storm water drainage and natural str

Location Street Number and Name 806 <!--Street Name:--> Cutler Ridge Ct Address Line 2 C

age? Thank you Problem Location Street Number and Name 1120 <!--Street Name:--> East Cc

e to cars hydroplaning because of water in the highway and also across the street as well bec

e overwhelming mosquito problem as well as prevent flooding to our area. The drain pipe is lc

Street Number and Name 815 <!--Street Name:--> LORI LANE Address Line 2 City OPELIKA Sta

ne water, but that hasn't been done very well it seems. Problem Location Street Number and

eam flow obstruction Address Line 2 2606 Waverly Parkway City Opelika State Alabama Zip Co

ity Opelika State Alabama Zip Code 36801 Photograph No file was uploaded Your Information

ollinwood Cir Address Line 2 City Opelika State AL Zip Code 36801 Photograph No file was upl

ause of poor drainage. Problem Location Street Number and Name 3801 <!--Street Name:-->

ocated between my house & my neighbor,Ãs house directly beside me as well as my neighbo

te AL Zip Code 36804 Phone Number 256-393-3240 Fax Number Email Address sharibartlow@

Name 808 <!--Street Name:--> White Road Address Line 2 City Opelika State AL Zip Code 368

ode 36801-3305 Photograph No file was uploaded Your Information Name Daniel Goslin Street

Name Mark Ecklund Street Number and Name 806 <!--Street Name:--> Cutler Ridge Ct Address

oaded Your Information Name Myles Tatum Street Number and Name 1111 <!--Street Name:

Marvyn Address Line 2 City Opelika State Alabama Zip Code 36801 Photograph <img src="" |-

r behind my house on Avenue E. Problem Location Street Number and Name 813 <!--Street

301 Photograph No file was uploaded Your Information Name Lance Carmichael Street Numb

et Number and Name 2606 <!--Street Name:--> Waverly Parkway Address Line 2 City Opelika:

ess Line 2 City Opelika State AL Zip Code 36801 Phone Number Fax Number Email Address m

:--> Collinwood St Address Line 2 City Opelika State AL Zip Code 36801 Phone Number Fax Nu

file_1-|" alt="0926181613a.jpg" title="0926181613a.jpg"> Your Information Name Charles M

Name:--> Avenue D Address Line 2 Avenue E City Opelika State Alabama Zip Code 334-444-83

er and Name 808 <!--Street Name:--> White Rd Address Line 2 City Opelika State AL Zip Code

State Alabama Zip Code 36801-3305 Phone Number (334) 704-3269 Fax Number Email Address

organ Street Number and Name 5 <!--Street Name:--> Moore Avenue Address Line 2 City Opelika

09 Photograph

36801 Phone Number 334 235-7421 Fax Number Email Address Lance.Carmichael@gmail.cc

elika State Alabama Zip Code 36804 Phone Number 334-319-0600 Fax Number Email Address

:itle="60429EE3-D45D-41B3-BA54-C4F93CFBD4D8.jpeg"> Your Information Name Shannon M

Kenzie Street Number and Name 813 <!--Street Name:--> Avenue D Address Line 2 City Ope

lika State Alabama Zip Code 36901 Phone Number 334-444-8309 Fax Number

From: [Edwards, Carol R](#)
To: [All Users](#)
Subject: **MANDATORY** IDDE Training
Date: Monday, February 11, 2019 1:17:07 PM
Attachments: [image001.jpg](#)
[image002.png](#)
[image003.png](#)

If you have already completed your training, disregard the is email.

TO: All Opelika City Employees & staff
FROM: City Administration & HR
RE: Required 2019 IDDE Training

February 11, 2019

As part of Opelika's NPDES Storm Water Permit, the city must provide POLLUTION PREVENTION AND GOOD HOUSEKEEPING TRAINING **FOR ALL MUNICIPAL employees.**

Stormwater Coordinator John Harris has posted our annual IDDE "ON-LINE training e-course". This year it has been condensed to a (:60) sixty second video. Afterward you will have (4) four questions to answer.

The link to this portal is below.

<https://www.opelika-al.gov/177/IDDE-Training>

All employees should complete the training by April 1st. You must complete the information page to be given credit for our annual training. If you do not have access to a terminal, see your supervisor.

Carol R. Edwards
Human Resources Analyst
City of Opelika, Alabama
204 South 7th Street
Opelika, AL 36801

(334) 705-5134 (Office)

(334) 705-5135 (FAX)

cedwards@opelika-al.gov

www.opelika.org

Email Signature Logo lockup





Confidentiality Notice: This e-mail message, including any attachments, is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.

Showing submissions from 2/10/2019 - 3/12/2019

First Name

Short Answer, Required

239 of 239 Answered (100.0%)

Last Name

Short Answer, Required

239 of 239 Answered (100.0%)

Date

239 of 239 Answered (100.0%)

Date/Time, Required

[See All Responses](#)

Should pool water be backwashed into streets or streams?

239 of 239 Answered (100.0%)

Radio Buttons, Required

False (234 responses, 97.9%)

True (5 responses, 2.1%)

Can unbagged grass clippings clog storm drains?

239 of 239 Answered (100.0%)

Radio Buttons, Required

No (1 response, 0.4%)

Yes (238 responses, 99.6%)

Can pouring used fish-fry oil down the sink drain cause sanitary sewer overflows?

239 of 239 Answered (100.0%)

Radio Buttons, Required

No (5 responses, 2.1%)

Yes (234 responses, 97.9%)

Should used motor oil be dropped off at a recycle center?

239 of 239 Answered (100.0%)

Radio Buttons, Required

No (14 responses, 5.9%)

Yes (225 responses, 94.1%)

Harris, John M

From: Turner, David G.
Sent: Tuesday, March 26, 2019 8:29 AM
To: Harris, John M; Edwards, Carol R
Cc: White, Terry M.; Stabler, William A
Subject: Mandatory IDDE Training Completed OES Department

SWADER 03-12-19
EASON 03-12-19
MOSS 03-12-19
WYRICK 03-12-19
WELCH 03-12-19
ATKINSON 03-12-19
LINDSEY 03-12-19
HUGHES 03-12-19
HALL 03-12-19
ROWE 03-12-19
AUTRY 03-12-19
CRABB 03-12-19
RUDD 03-12-19
SANFORD 03-12-19
WIGGINS 03-12-19
TATE complete 3/26/19
COCHRAN complete 3/22/19
ERLANDSON complete 3/13/19
YOUNG complete 3/22/19
BOSWELL complete 3/13/19

David Turner
Fleet Maintenance Coordinator
City Of Opelika, Alabama
Environmental Services
700 Fox Trail
Opelika, Al 36801
(334)705-2091
Cell (334)703-8620
dturner@opelika-al.gov



CITY OF
OPELIKA
alabama



Certificate of Completion

Introduction to Watershed Modeling

This certifies that

John Harris

has successfully completed all training requirements for the
Introduction to Watershed Modeling Training.

February 4, 2019 · Auburn, Alabama



Pepperell Branch
Watershed Partnership



Funding for Workshop provided by the Alabama Department of Environmental Management through a Clean Water Act Section 319(h) Nonpoint source grant provided by the U. S. Environmental Protection Agency – Region 4.

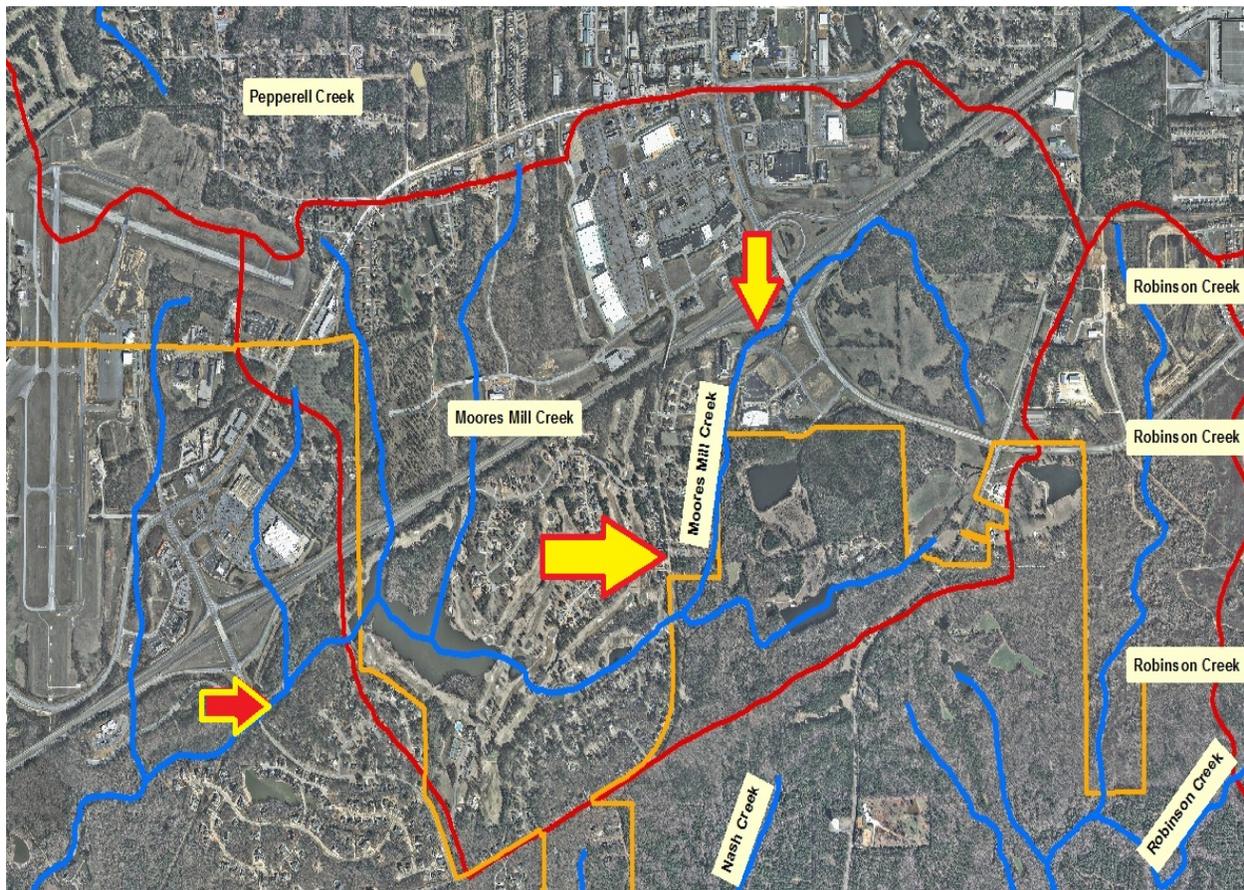
Moore's Mill Creek Sampling Test

303-D stream
2019 Calendar Year

Table 10-2A

	Chemistry	Bacteria	Turbidity	TSS	Phosphorus
JANUARY	X		X	X	
FEBRUARY					
MARCH					
APRIL	X		X	X	
MAY					
JUNE					
JULY	X		X	X	
AUGUST					
SEPTEMBER					
OCTOBER					
NOVEMBER	X		X	X	
DECEMBER					

- Hampton Inn – Capps Dr.
- Hamilton Road Bridge above golf course
- Bent Creek Bridge (Auburn)



Pepperell Creek Annual Sampling Test
Calendar Year 2019

TABLE 10-1A

	Chemistry	<i>Bacteria</i>	Turbidity	TSS	<i>Phosphorus</i>
JANUARY	X	X			X
FEBRUARY					
MARCH					
APRIL	X	X			X
MAY					
JUNE					
JULY	X	X			X
AUGUST					
SEPTEMBER					
OCTOBER	X	X			X
NOVMEBER					
DECEMBER					

- Thomason Rd
- Waverly Pkwy
- Pepperell Pkwy

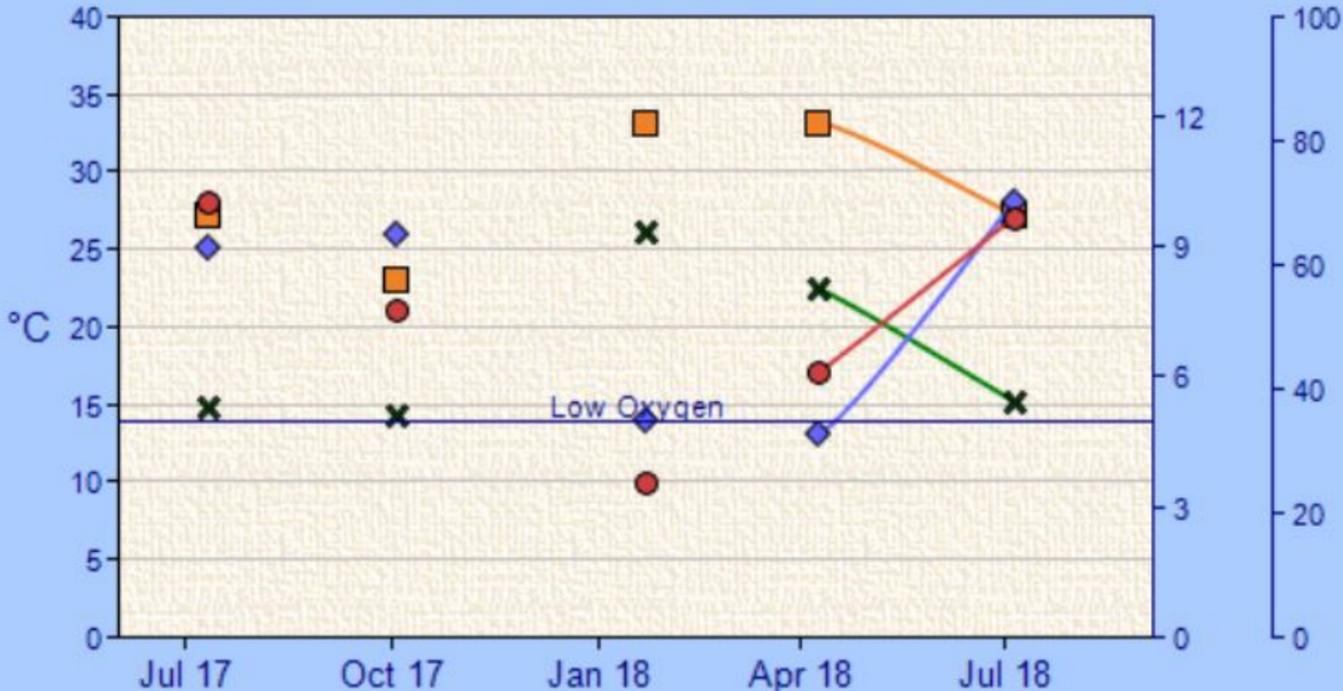


Alternate sites:

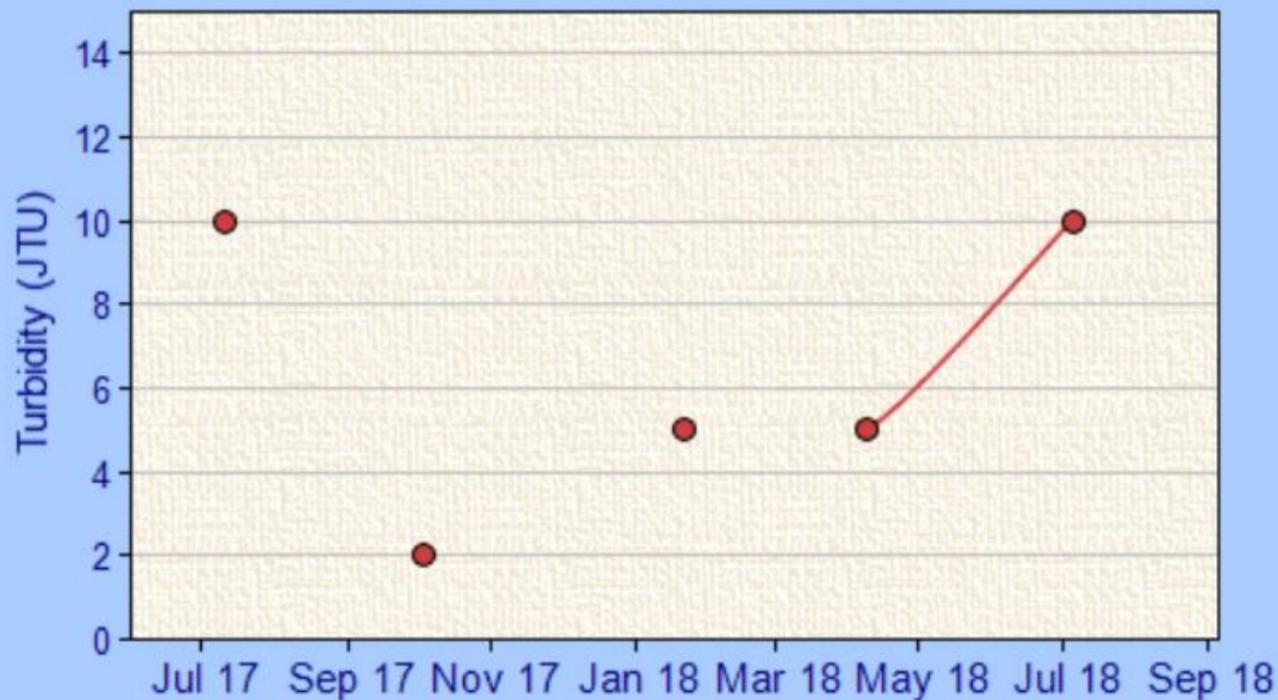
- Monroe St. Bridge
- Long St. Bridge
- Fredrick Bridge



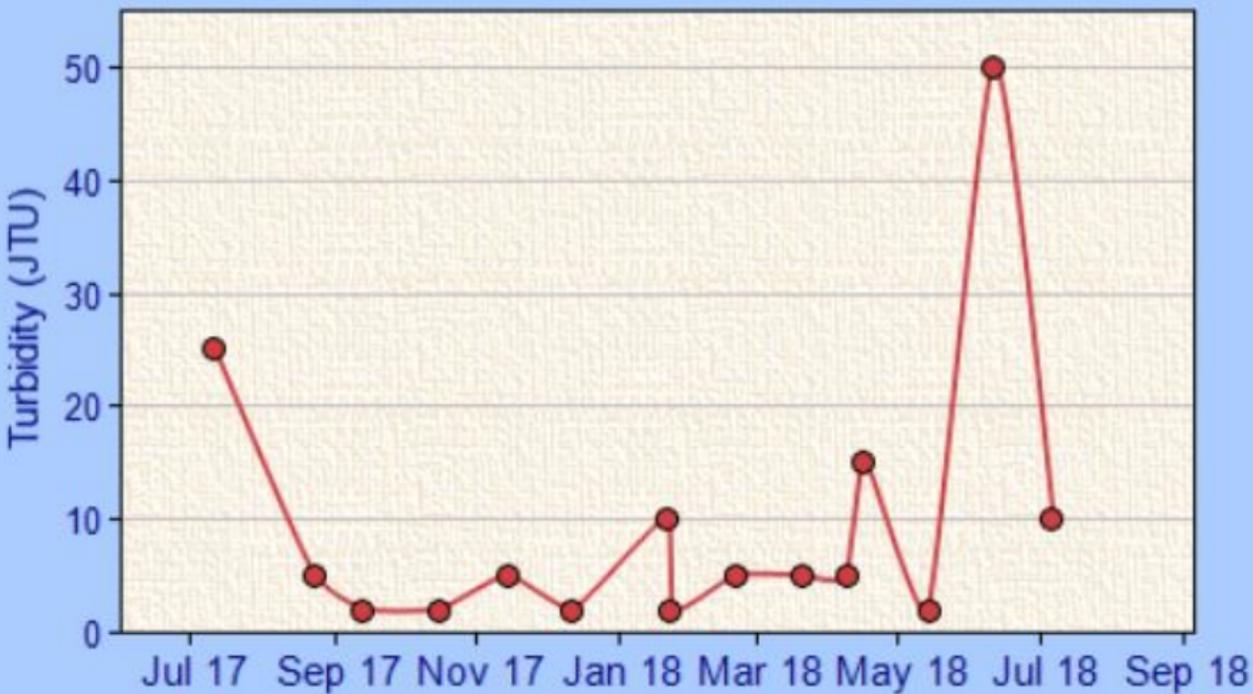
● Water Temperature ◆ Air Temperature ✕ Oxygen □ DO Saturation
O₂ (mg/l) DO (%)



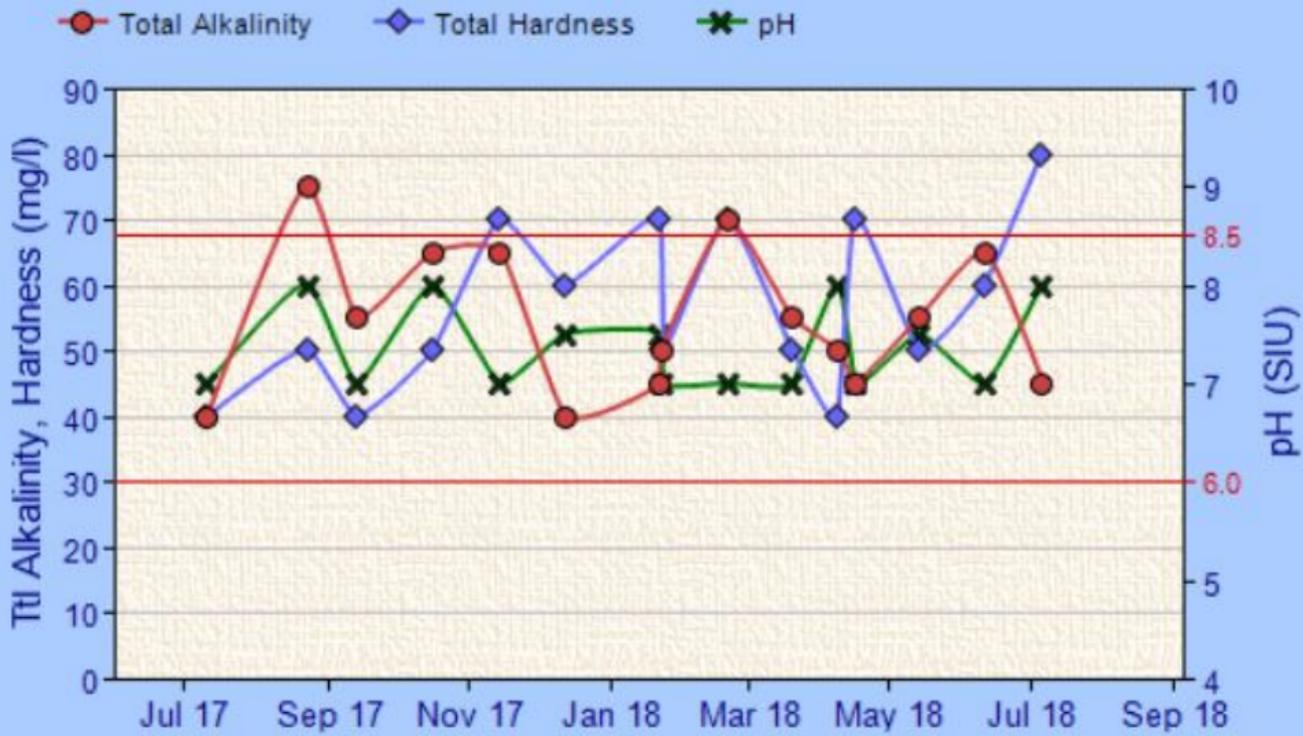
Moore's Mill Creek Hamilton Dam
Site Code: 07022003 - Lee county



Moore's Mill Creek Hamilton Dam
Site Code: 07022003 - Lee county



Pepperell Branch Waverly Parkway
Site Code: 07011004 - Lee county



Pepperell Branch Waverly Parkway
 Site Code: 07011004 - Lee county

Moore's Mill Creek Sampling Test

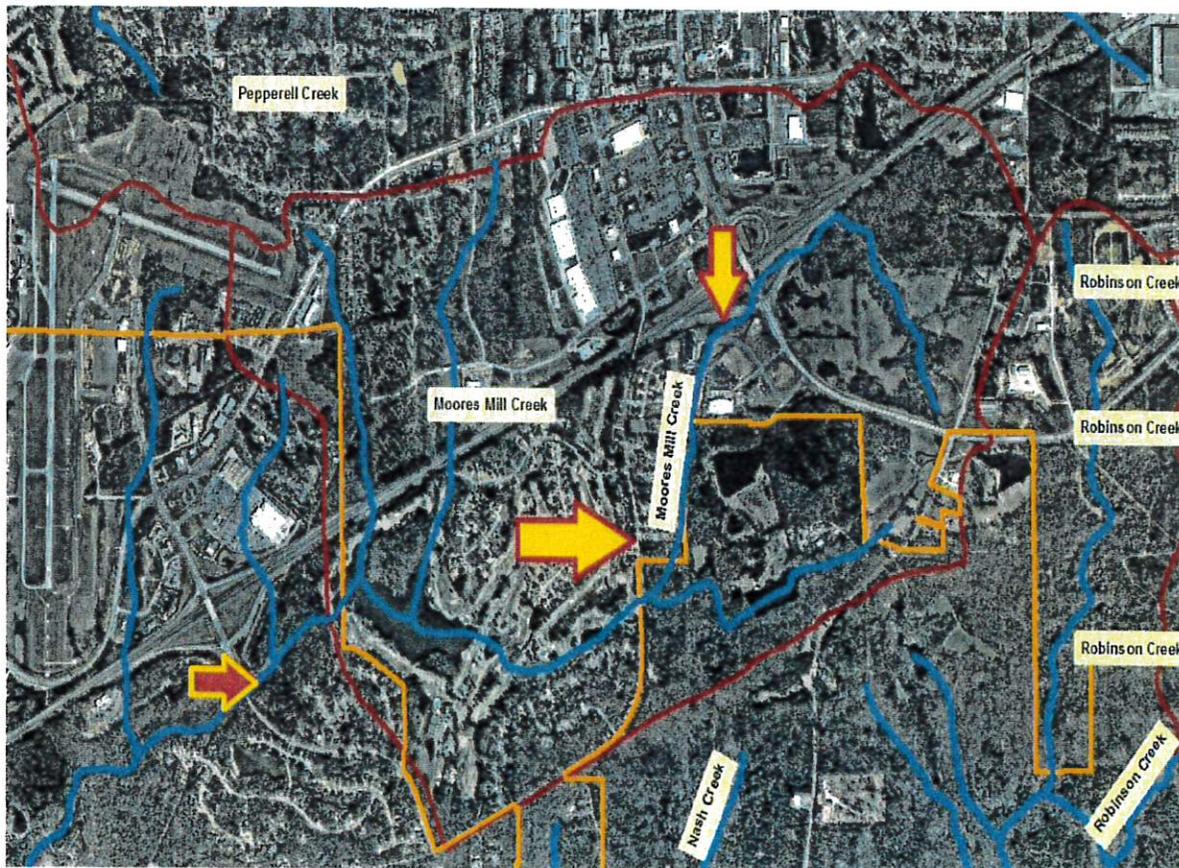
303-D stream
2018 Calendar Year

Table 10-2A

average of 3 samples
average of 3 samples

	Chemistry	Bacteria	Turbidity	TSS	Phosphorus
JANUARY	X 1-22-18		X 5	X 2.5	
FEBRUARY					
MARCH					
APRIL	X 4-9-18		X 5	X 2.5	
MAY					
JUNE					
JULY	X 7-5-18		X 13	X 3.22	
AUGUST					
SEPTEMBER					
OCTOBER	10-9-18				
NOVEMBER	X		X 5	X 5	
DECEMBER					

- Hampton Inn – Capps Dr.
- Hamilton Road Bridge above golf course
- Bent Creek Bridge (Auburn)



Pepperell Creek Annual Sampling Test

Calendar Year 2018

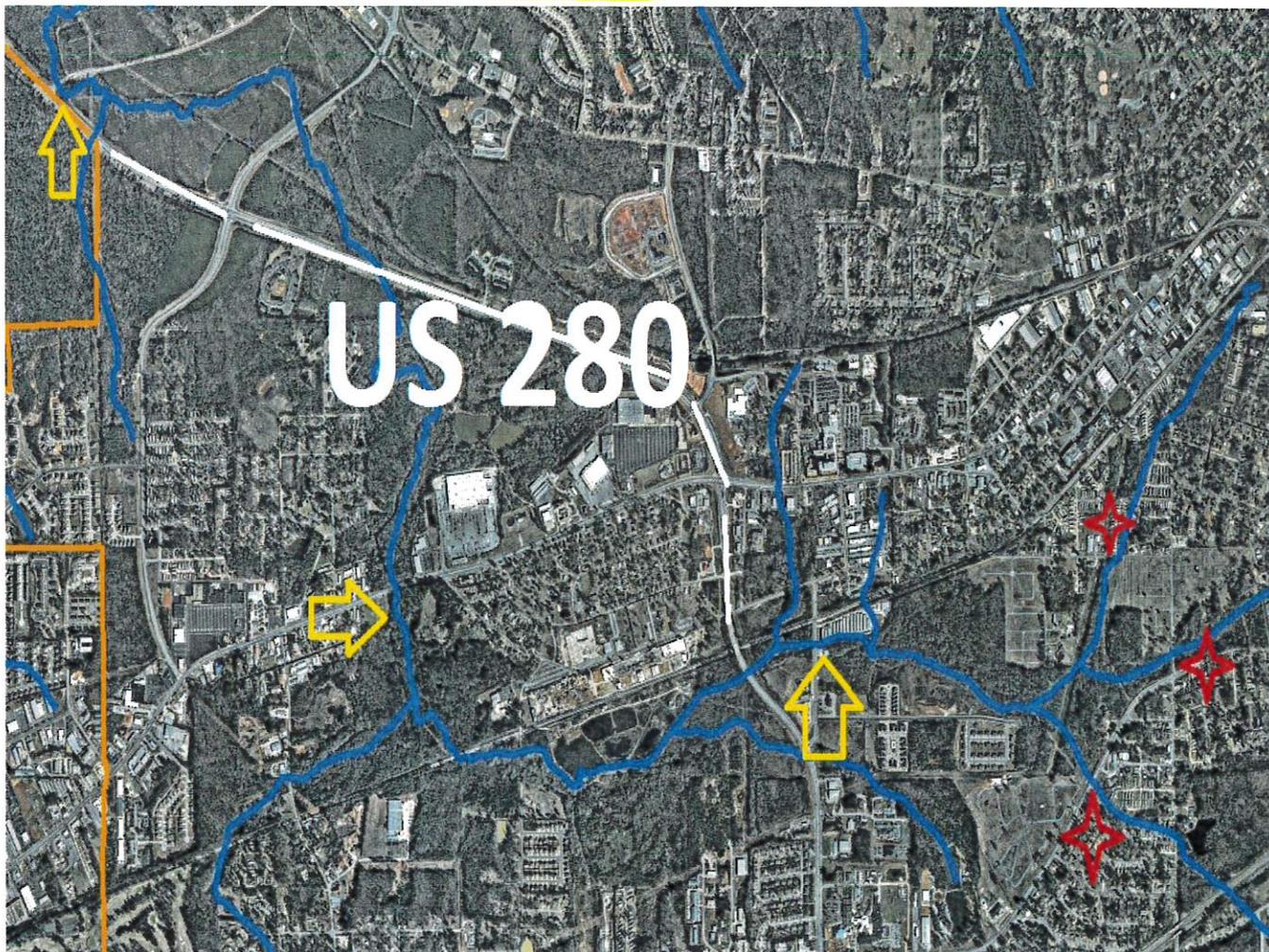
TABLE 10-1A

	Chemistry	Bacteria	Turbidity	TSS	Phosphorus
JANUARY	X	X 74			X 0.1
FEBRUARY					
MARCH					
APRIL	X	X 50			X 0.1
MAY					
JUNE					
JULY	X	X 66			X 0.1
AUGUST					
SEPTEMBER					
OCTOBER	X	X 110			X 0.1
NOVEMBER					
DECEMBER		below toxicity			below toxicity

- Thomason Rd
- Waverly Pkwy
- Pepperell Pkwy

- ★ Alternate sites: Monroe St. Bridge
Long St. Bridge
Fredrick Bridge

Average of 3 quarterly samples





ENVIRONMENTAL RESOURCE ANALYSTS, INC.

Auburn Technology Park - 2975 Brown Ct. - Auburn, AL 36830

Tel. (334) 502-3444 Fax (334) 502-8888

3-18

Results of Analysis For: John M Harris
City of Opelika-Engineering Dept

Report No 780-0318

Date Received: 3/19/2018

Location Lagoon Stormwater

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Qual.</u>	<u>MDL</u>	<u>PQL</u>	<u>Method</u>	<u>Collection Date/Time</u>	<u>Analysis Date/Time</u>	<u>Analyst</u>
177538-01									
Cadmium	<4.0	ug/L		4	10	EPA 200.7	03/19/08 08:45	03/20/18 13:31	EC
Chromium	<7.0	ug/L		7	25	EPA 200.7	03/19/08 08:45	03/20/18 13:31	EC
Copper	7.3	ug/L	N10	6	10	EPA 200.7	03/19/08 08:45	03/20/18 13:31	EC
Lead	51.5	ug/L		26	50	EPA 200.7	03/19/08 08:45	03/20/18 13:31	EC
Nickel	<8.0	ug/L		8	10	EPA 200.7	03/19/08 08:45	03/20/18 13:31	EC
Silver	<8.0	ug/L		8	10	EPA 200.7	03/19/08 08:45	03/20/18 13:31	EC
Zinc	16.0	ug/L	N10	10	25	EPA 200.7	03/19/08 08:45	03/20/18 13:31	EC

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

Erin Consuegra

03/21/2018

Erin Consuegra, QA/QC Manager

Date

This person may be contacted for questions at the number listed above.

All collection and test times are reported as central standard time.

EPA- Methods for Chemical Analysis of Water and Wastes, 1994.

State of Florida, NELAC Certification #E87542

The results shown relate only to these samples.

These results meet all of the requirements of the NELAC standard.

Qualifiers

N10 = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit and should only be relied upon as an estimate.

2017-2018 Land Disturbance Permits

Development Name	Land Disturbance ENGP number	Address	Contractor/applicant	Area of Disturbance	Date of approval	Fee Collected	SDEV #
Thompson Tractor	ENGP-004313-2017	508 Columbus Parkway	Scott Land and Bridge Co	< 5 Acres	5/17/2017	Abated	SDEV-000709-2017
UPS Expansion	ENGP-003570-2017	800 Fox Trail Parkway	Borrios Engineering LLC--Hillary Hepp	< 5 Acres	6/12/2017	\$ 60.00	SDEV-000588-2017
The Chimney's SD	ENGP-003832-2017	Westpoint Parkway	Tiger Town Development	5-10 Acres	7/10/2017	\$ 90.00	SUBD-000621-2017
Frederick Road Extension	ENGP-004314-2017	Frederick Road	City of Opelika	<5 Acres	7/13/2017	Abated	SDEV-000710-2017
West Fraser Site and Building	ENGP-004321-2017	2100 Industrial Blvd	ForeSITE Group--Parker Ross	15-20	7/25/2017	Abated	SDEV - 000660-2017
Sportsplex Road Extension	ENGP-005534-2018	Sportsplex Road	Barrett-Simpson Inc. - Blake Rice	15-20 Acres	2/26/2018	Abated	SDEV-000904-2018
280 Development and stores	ENGP-004122-2017	1400 block Columbus Parkway	Hydro Engineering--Sam Crim JR	10-15 Acres	9/27/2017	\$ 120.00	SUBD - 000641-2017
Spraysafe Pest Control	ENGP - 004309-2017	2850 Wyndham Industrial	Pinnacle Group--David Slocum	<5 Acres	11/9/2017	\$ 60.00	SDEV - 000659-2017
Wyndham Warehouse	ENGP - 004310-2017	2900 Wyndham Industrial	Bolt Engineering	<5 Acres	9/29/2017	\$ 60.00	SDEV - 000703-2017
EAMC Cancer Center	ENGP-004315-2017	2501 Village Professional Drive	Harmon Engineering	10 - 25 Acres	10/3/2017	\$ 120.00	SDEV-0007112017
Cannon Gate Phase II	ENGP-004221-2017	Extension of Cannon Gate Dr.	Bolt Engineering	10 - 25 Acres	2/5/2018	\$ 120.00	SUBD-00493-2017
Creekstone Phase 3	ENGP-001021-2016	South Uniroyal Road	Pinnacle Group--David Slocum	10 - 25 Acres	5/17/2018	\$ 120.00	SUBD-00136-2016
Eagle Ridge Condominium	ENGP - 004307-2017	110 Veterans Parkway	Barrett-Simpson Inc. - Blake Rice	<5 Acres	10/23/2017	\$ 60.00	SDEV-000707-2017
Fox Chase at Emerald Lake	ENGP-004218-2017		Barrett-Simpson Inc. - Blake Rice	5 - 10 Acres	9/14/2017	\$ 90.00	SDEV - 000696-2017
Firestone	ENGP-002855-2017	2200 Interstate Drive	CEI Engineering Associates, Inc	<5 Acres	10/26/2017	\$ 60.00	SDEV-000495-2017
Calcutta Circle SD	ENGP-005489-2018	1900 block of Calcutta Drive	Bolt Engineering	5 - 10 Acres	5/8/2018	\$ 90.00	SUBD-000691-2017
McDonald Downs Phase II	ENGP-004637-2017	Extension of McDonald Drive	Bolt Engineering	5 - 10 Acres	10/27/2017	\$ 90.00	SUBD-000684-2017
Wyndham Gates Phase II	ENGP-004638-2017	Wyndham Gates	Greg Dewberry	10-15 Acres	10/25/2017	\$ 120.00	SUBD-000688-2017
Town Lakes Phase 4	ENGP-004629-2017	Town Lakes	Barrett-Simpson Inc. - Blake Rice	25-50 Acres	3/14/2018	\$ 150.00	SUBD-000685-2017
Rapid Tire	ENGP-004631-2017	1440 Gateway Drive	Barrett-Simpson Inc. - Blake Rice	<5 Acres			SDEV-000739-2017
First South Farm Credit	ENGP-004708-2017	1613 Frederick Road	Bolt Engineering	<5 Acres	11/13/2017	\$ 60.00	SDEV-000759-2017
ALDI	ENGP-005488-2018	2400 Frederick Road	Georgia Civil	5-10 Acres	3/13/2018	\$ 90.00	SDEV-000749-2017
Pet Smart	ENGP-004837-2017	2495 Enterprise Drive	ForeSITE Group--Parker Ross	<5 Acres	1/30/2018	\$ 60.00	SDEV-000786-2017
Tiger Town I and J Strip Retail	ENGP-004836-2017	2776 Enterprise Drive	ForeSITE Group--Parker Ross	<5 Acres	1/30/2018	\$ 60.00	SDEV-000785-2017
Estates S/D Phase II	ENGP-005170-2018	Hampstead Lane	Barrett-Simpson Inc. - Blake Rice	10-25 Acres	4/9/2018	\$ 120.00	SUBD-000636-2017
Joe Hudson Collision Center	ENGP-005460-2018	700 Columbus Parkway	Gonzalez-Strength	<5 Acres	3/2/2018	\$ 60.00	SDEV-000889-2018
Warehouse for JG Bro const	ENGP-005487-2018	2975 Wyndham Industrial BLVD	Bolt Engineering	<5 Acres	3/7/2018	\$ 60.00	SDEV-000897-2018
Firing Pin	ENGP-005746-2018	2195 1st Avenue	ForeSITE Group--Parker Ross	<5 Acres	4/10/2018	\$ 60.00	SDEV-000924-2018
EAMC Village Prof. NW & SW	ENGP-005702-2018	2600 Village Professional Drive	Harmon Engineering	5-10 Acres			SDEV-000925-2018
EAMC Village Prof. NE	ENGP-005700-2018	2700 Village Professional Drive	Harmon Engineering	<5 Acres			SDEV-000926-2018
First Presbyterian Education	ENGP-005706-2018	900 2nd Avenue	Praestare Engineering	<5 Acres	5/2/2018	N/A	SDEV-000942-2018
Veterans Commercial Park	ENGP-005749-2018	221 Veterans Parkway	Pinnacle Group--David Slocum	<5 Acres	5/14/2018	\$ 60.00	SUBD-000891-2018
National Village Phase 6A	ENGP-005758-2018	Robert Trent Jones Pkwy	Goodwyn, Mills & Cawood--Max Vaughn	5-10 Acres	6/14/2018	\$ 90.00	SUBD-000864-2018
Trillium Phase II	ENGP-007547-2018	India Road/Rockybrook Rd	Barrett-Simpson Inc. - Blake Rice	50-75 Acres	12/18/2018	\$ 180.00	SUBD-000935-2018
Harper Plaza	ENGP-006354-2018	ML King Blvd./Magnolia St.	Precision Survey-Mike Mahr	<5 Acres		\$	SUBD-000945-2018
RNR Tire	ENGP-006739-2018	3501 Pepperell Parkway	Baseline Survey-Ledge Nettles	<5 Acres	11/28/2018	\$ 60.00	ENGP-006738-2018
Trillium Rocky Brook	ENGP-006344-2018	1900 Block of Rocky Brook Rd	Stone Martin Builders	<5 Acres	6/14/2018	\$ 60.00	
Pepperell Village	ENGP-006504-2018	2810 Pepperell Parkway	Barrett-Simpson Inc. - Blake Rice	5-10 Acres	8/30/2018	\$ 90.00	
White Wave	ENGP-0065569-2018	2620 Corporate Park Drive	Harmon Engineering	<5 Acres	7/19/2018	\$ 60.00	ENGP-0065568-2018
Hidden Lakes North-PH1	ENGP-008064-2019	Sportsplex Road	Barrett-Simpson Inc. - Blake Rice	>100 Acres		\$ -	SUBD-001038-2018
Hidden Lakes -PH 2		1520 Westpoint Parkway	Barrett-Simpson Inc. - Blake Rice				SUBD-001039-2018
Camelot SD (New Phase)	ENGP-006981-2018		Barrett-Simpson Inc. - Blake Rice	25-50 Acres	9/7/2018	\$ 150.00	SUBD-001031-2018
EAMC Cardiovascular	ENGP-006939-2018	2601 Village Professional Drive	Harmon Engineering	<5 Acres	8/30/2018	\$ 60.00	SDEV-001213-2018
Bryant Calloway SD	ENGP-007666-2019	Oak Bowery Road	Pinnacle Group--David Slocum	<5 Acres			SUBD-001107-2018
Village at Waterford Ph 3	ENGP-007311-2018	Crawford Road (AL 169)	ForeSITE Group--Parker Ross	10-25 Acres	2/12/2019	\$ 120.00	SUBD-001114-2018
Crossing Apt 2--one O'Eight	ENGP-007235-2018	McCoy St. and S. Fox Run	Barrett-Simpson Inc. - Blake Rice	10-25 Acres	1/2/2019	\$ 90.00	SDEV-001163-2018
Priester SD Phase 1	ENGP-007265-2018	Priester Road	Baseline Survey-Ledge Nettles	5-10 Acres			SUBD-000768-2017
Frederick Rd. Climate Control	ENGP-007274-2018	3008 Frederick Rd.	Pinnacle Group--David Slocum	<5 Acres	10/30/2018	\$ 60.00	
Northbrook SD (New Phase)		Northbrook Rd Ext. east	Barrett-Simpson Inc. - Blake Rice	10-25 Acres			SUBD-001202-2018
Providence Park		1700 block Century Blvd	Barrett-Simpson Inc. - Blake Rice	<5 Acres			
Bush Car Wash		2015 Gateway Drive	ForeSITE Group--Parker Ross	<5 Acres			
AL Solar C PV Solar Panels	ENGP-007633-2019	NEOIP	Harris-Gray--Scott Harris PE	>100 Acres	1/11/2019	\$ 240.00	
New Tunnel Carwash	ENGP-007640-2019	1531 2nd Avenue	F4 Design	<5 Acres	1/23/2019	\$ 60.00	
EA ENT Addition	ENGP-007747-2019	1965 1st Avenue	Barrett-Simpson Inc. - Blake Rice	<5 Acres	3/20/2019	\$ 60.00	ENGP-007746-2019
TK's Shopping Center	ENGP-007782-2019	1911 Centruy Boulevard	Pinnacle Group--David Slocum	<5 Acres			ENGP-007781-2019
Wyndham Office and Warehouse	ENGP-0007884-2019	2920 Wyndham Industrial Dr.	Bolt Engineering	<5 Acres			ENGP-007883-2019
Fiesta Supermarket	ENGP-008104-2019	1904 Pepperell Parkway	Pinnacle Group--David Slocum	<5 Acres			ENGP-008104-2019
Mando Parking Expansion	ENGP-008106-2019	4201 Northpark Drive	Harmon Engineering	<5 Acres	4/1/2019	Abated	
						\$ 3,420.00	

C

CAPPs

1-22-18

ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: CITY OF OPELIKA 03 150 1100 online
 Collector(s): J.H. / edell Address: ENGINEER OFFICE
 City: OPELIKA State: AL Zip: 36801 Phone N°: 705-5450
 Sample Date: 1/22/2018 Sample Time: 10:25 AWW Site Code: 070-2200-
 Watershed: 06-150-1100-202 Waterbody: Macon Mill County & State: LEE/AL
 Sampling site location: CAPPs

(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	<u>14</u> °C	Measure air temperature before water temperature.
Water Temperature	<u>9</u> °C	Avoid touching thermometer bulb.
pH	<u>7.0</u> Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: <u>9.3</u> ppm, Rep 2: <u>9.2</u> 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	<u>9.25</u> Avg DO <u>79.33</u> % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	<u>10</u> # drops x 5 = <u>50</u> mg/L	Add drops until no more color change.
Total Hardness	<u>6</u> # drops x 10 = <u>60</u> mg/L	Record number of drops that produced final change.
Turbidity	<u>1</u> # 0.5 mL x 5 (50mL) = <u>✓</u> JTU # 0.5 mL x 10 (25mL) <u>0</u> 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.

Ave. →

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

AWW Office Use

light rain

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. _____
 Monitor signature



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



Ham

1-22-18

ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: CITY OF OPELIKA 03 150 1100 online
 Collector(s): J.H. / [Signature] Address: ENGINEER OFFICE
 City: OPELIKA State: AL Zip: 36801 Phone N°: 705-5450
 Sample Date: 1/22/2018 Sample Time: 10:45 AWW Site Code: 070-2200-
 Watershed: 03-150-1100-202 Waterbody: M.M.C. County & State: LEE/AL
 Sampling site location: Hamilton

(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	<u>14</u> °C	Measure air temperature before water temperature.
Water Temperature	<u>10</u> °C	Avoid touching thermometer bulb.
pH	<u>7.0</u> Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: 8.3 <u>9.3</u> ppm, Rep 2: <u>9.3</u> 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	80% Avg DO <u>6</u> % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	<u>8</u> # drops x 5 = <u>40</u> mg/L	Add drops until no more color change. Record number of drops that produced final change.
Total Hardness	<u>7</u> # drops x 10 = <u>70</u> mg/L	
Turbidity	<u>1</u> # 0.5 mL x 5 (50mL) = <u>5</u> JTU <u>0</u> # 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.

Ave. →

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

Light Rain

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

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Check for electronic signature. _____ Monitor signature

C Bent 1-22-18

ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: CITY OF OPELIKA 03 150 1100 online
 Collector(s): J.H. Odell Address: ENGINEER OFFICE
 City: OPELIKA State: AL Zip: 36801 Phone N°: 705-5450
 Sample Date: 1/22/20 18 Sample Time: 11:00 AWW Site Code: 070-2200-__
 Watershed: 03-150-1100-202 Waterbody: M.M.C. County & State: LEE/AL
 Sampling site location: Bent Creek bridge

(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	<u>14</u> °C	Measure air temperature before water temperature.
Water Temperature	<u>10</u> °C	Avoid touching thermometer bulb.
pH	<u>7.0</u> Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: <u>9.3</u> ppm, Rep 2: <u>9.3</u> 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	<u>9.3</u> Avg DO <u>81.65</u> % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	<u>0</u> # drops x 5 = <u>40</u> mg/L	Add drops until no more color change.
Total Hardness	<u>7</u> # drops x 10 = <u>70</u> mg/L	Record number of drops that produced final change.
Turbidity	<u>1</u> # 0.5 mL x 5 (50mL) = <u>5</u> JTU ____ # 0.5 mL x 10 (25mL) = <u>0</u> 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.

Ave. →

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

Light Rain

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

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Check for electronic signature. _____
 Monitor signature

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9/9/18

ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: Stom Water online
 Collector(s): H/O Address: 700 Foxtrail
 City: Opelika State: AL Zip: 36801 Phone No: 705-5454
 Sample Date: 9/9/18 Sample Time: 7:15 AWW Site Code: _____
 Watershed: _____ Waterbody: MNC County & State: Lee/AL
 Sampling site location: Calls

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

Waterbody condition:	<input checked="" type="checkbox"/> Adequate Depth	<input type="checkbox"/> Inadequate Depth	<input type="checkbox"/> Dry	<input type="checkbox"/> No Access
Tidally Influenced rivers:	<input type="checkbox"/> Rising Tide	<input type="checkbox"/> Falling Tide	<input type="checkbox"/> Uncertain	<input type="checkbox"/> No Applicable
Variable	Value	Comments		
Air Temperature	<u>12</u> °C	Measure air temperature before water temperature.		
Water Temperature	<u>14</u> °C	Avoid touching thermometer bulb.		
pH	<u>7.5</u> Standard International units	Record to nearest 0.5 unit.		
Dissolved Oxygen (DO)	Rep <u>1.6</u> ppm Rep 2: <u>2.7</u> 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	<u>8.6</u> Avg DO <u>82.9</u> % DO Sat	Estimate from chart found in the AWW manual.		
Total Alkalinity	<u>8</u> # drops x 5 = <u>40</u> mg/L	Add drops until no more color change.		
Total Hardness	<u>4</u> # drops x 10 = <u>40</u> mg/L	Record number of drops that produced final change.		
Turbidity	<u>1</u> # 0.5 mL x 5 (50mL) = <u>5</u> 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

Other Chemistry Tests

YSI Meter data, Nitrates, Phosphate, etc.

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Check for electronic signature.

Monitor signature

Alabama Water Watch

4-18
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

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4/9/18

ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: Storm Water online
 Collector(s): H/O-D Address: 700 Foxtrail
 City: Opelika State: AL Zip: 36801 Phone No: 705-5454
 Sample Date: 4/9/18 Sample Time: 10:45 AWW Site Code: _____
 Watershed: _____ Waterbody: MML County & State: Lee/AL
 Sampling site location: Hamilton

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

Waterbody condition: <input checked="" type="checkbox"/> Adequate Depth	<input type="checkbox"/> Inadequate Depth	<input type="checkbox"/> Dry	<input type="checkbox"/> No Access
Tidally influenced rivers: <input type="checkbox"/> Rising Tide	<input type="checkbox"/> Falling Tide	<input type="checkbox"/> Uncertain	<input type="checkbox"/> No Applicable
Variable	Value	Comments	
Air Temperature	<u>12</u> °C	Measure air temperature before water temperature.	
Water Temperature	<u>14</u> °C	Avoid touching thermometer bulb.	
pH	<u>8.0</u> Standard international units	Record to nearest 0.5 unit.	
Dissolved Oxygen (DO)	Rep 1 <u>8.7</u> ppm Rep 2 <u>9.8</u> 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	<u>8.7</u> Avg DO <u>85</u> % DO Sat	Estimate from chart found in the AWW manual.	
Total Alkalinity	<u>7</u> # drops x 5 = <u>35</u> mg/L	Add drops until no more color change. Record number of drops that produced final change.	
Total Hardness	<u>5</u> # drops x 10 = <u>50</u> mg/L		
Turbidity	<u>10</u> # 0.5 mL x 5 (50mL) = <u>5</u> 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.

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

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Check for electronic signature. _____

Monitor signature _____

 <p>Alabama Water Watch 2013</p>	<p>Alabama Water Watch 559 Devall Dr. Auburn University, AL 36849-5124</p>	<p>Toll Free: 1-888-844-4785 Email: awwprog@auburn.edu Website: www.alabamawaterwatch.org</p>
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4/9/18

ALABAMA WATER WATCH WATER CHEMISTRY MONITORING DATA FORM

Group Name: Storm Water online
 Collector(s): H/O-D Address: 700 Foxtrail
 City: Opelika State: AL Zip: 36801 Phone N°: 705-5454
 Sample Date: 4/9/18 Sample Time: 11:00 AWW Site Code: _____
 Watershed: _____ Waterbody: MHC County & State: Lea/AL
 Sampling site location: Bent Creek
(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	13 °C	Measure air temperature before water temperature.
Water Temperature	17 °C	Avoid touching thermometer bulb.
pH	8 Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: 8.0 ppm Rep 2: 8.0 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	8 Avg DO 82 % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	7 # drops x 5 = 35 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	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

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

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Check for electronic signature. _____ Monitor signature

 4/18 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
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Capps / 7/18

ALABAMA WATER WATCH WATER CHEMISTRY MONITORING DATA FORM

Group Name: Storm Water online
 Collector(s): H / O Address: 700 Foxtrail
 City: Opelika State: AL Zip: 36801 Phone N°: 705-5454
 Sample Date: 7/5/18 Sample Time: 10:10 AWW Site Code: _____
 Watershed: MMC Waterbody: _____ County & State: Lee/AL
 Sampling site location: Capps Rd.

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

Waterbody condition:	<input checked="" type="checkbox"/> Adequate Depth	<input type="checkbox"/> Inadequate Depth	<input type="checkbox"/> Dry	<input type="checkbox"/> No Access
Tidally influenced rivers:	<input type="checkbox"/> Rising Tide	<input type="checkbox"/> Falling Tide	<input type="checkbox"/> Uncertain	<input type="checkbox"/> No Applicable
Variable	Value	Comments		
Air Temperature	<u>26</u> °C	Measure air temperature before water temperature.		
Water Temperature	<u>26</u> °C	Avoid touching thermometer bulb.		
pH	<u>8.3</u> Standard International units	Record to nearest 0.5 unit.		
Dissolved Oxygen (DO)	Rep 1: <u>6.2</u> ppm Rep 2: <u>6.1</u> 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	<u>6.15</u> Avg DO <u>75.8</u> % DO Sat	Estimate from chart found in the AWW manual.		
Total Alkalinity	<u>8</u> # drops x 5 = <u>40</u> mg/L	Add drops until no more color change. Record number of drops that produced final change.		
Total Hardness	<u>4</u> # drops x 10 = <u>40</u> mg/L			
Turbidity	<u>2</u> # 0.5 mL x 5 (50mL) = <u>10</u> 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.

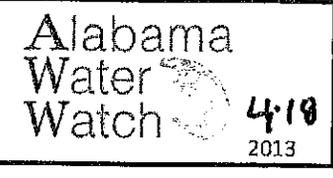
AWW Office Use

Other Chemistry Tests

YSI Meter data, Nitrates, Phosphate, etc.

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Monitor signature



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

C

Hamilton

7/18

ALABAMA WATER WATCH WATER CHEMISTRY MONITORING DATA FORM

Group Name: Storm water online
 Collector(s): H/O Address: 700 Foxtrail
 City: Opelika State: AL Zip: 36801 Phone N°: 705-5454
 Sample Date: 7/5/18 Sample Time: 10:30 AWW Site Code: _____
 Watershed: MMC Waterbody: _____ County & State: Lee/AL
 Sampling site location: Hamilton

(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	<u>28</u> °C	Measure air temperature before water temperature.
Water Temperature	<u>23</u> °C	Avoid touching thermometer bulb.
pH	<u>8.</u> Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: <u>6.3</u> ppm Rep 2: <u>6.2</u> 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	<u>6.25</u> Avg DO <u>70.2</u> % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	<u>8</u> # drops x 5 = <u>40</u> mg/L	Add drops until no more color change. Record number of drops that produced final change.
Total Hardness	<u>6</u> # drops x 10 = <u>60</u> mg/L	
Turbidity	<u>4</u> # 0.5 mL x 5 (50mL) = <u>20</u> 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

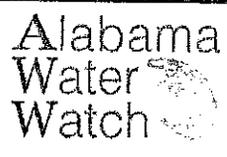
Other Chemistry Tests

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.

Monitor signature



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

C

Bent Creek / 7/18

ALABAMA WATER WATCH WATER CHEMISTRY MONITORING DATA FORM

Group Name: Storm Water online
 Collector(s): H/O Address: 700 Foxtrail
 City: Opelika State: AL Zip: 36801 Phone N°: 705-5454
 Sample Date: 7/5/18 Sample Time: 10:45 AWW Site Code: _____
 Watershed: MNC Waterbody: Bent Creek County & State: Lee/AL
 Sampling site location: _____

(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	<u>28</u> °C	Measure air temperature before water temperature.
Water Temperature	<u>27</u> °C	Avoid touching thermometer bulb.
pH	<u>8</u> Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: <u>5.4</u> ppm Rep <u>25.7</u> 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	<u>5.4</u> Avg DO 5.4 % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	<u>6</u> # drops x 5 = _____ mg/L	Add drops until no more color change.
Total Hardness	<u>6</u> # drops x 10 = <u>60</u> mg/L	Record number of drops that produced final change.
Turbidity	2.5 # 0.5 mL x 5 (50mL) = 2.5 JTU # 0.5 mL x 10 (25mL) <u>50</u> 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

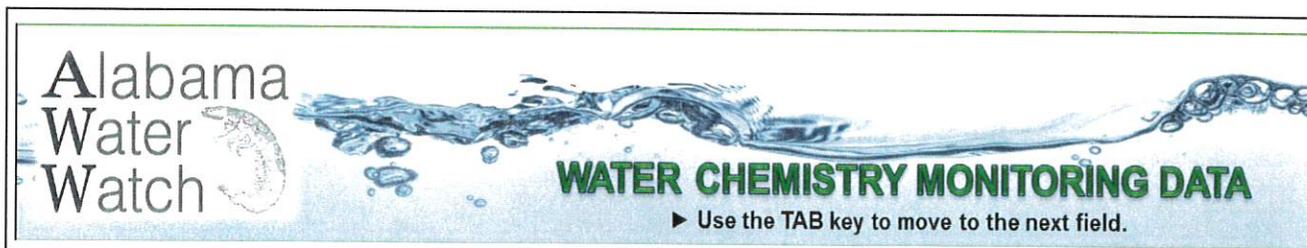
Other Chemistry Tests _____ YSI Meter data, Nitrates, Phosphate, etc.

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. _____

Monitor signature

 4:18 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
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Group: City of Opelika GrpID: 0290

Submitter: John Gwin Address: 700 Fox Trail, Opelika, AL 36801
 Email: jgwin@ci.opelika.al.us

Monitors: John Gwin,John Gwin,John Gwin

Sample Date: 07/05/2018 Sample Time: 10:45 Site code: 07022003

Watershed: 031501100202 Waterbody: Moores Mill Creek County: Lee

Site location: Hamilton Dam

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

Waterbody condition: Adequate Depth Inadequate Depth Dry No access

Tidal Influence: Rising tide Falling tide Uncertain No influence

Water Variable	Value	Comments
Temperature	Air: 28 °C Water: 27 °C	Measure air temperature before water temperature.
pH	8.0 SIU	Record to nearest 0.5 unit
Dissolved Oxygen	DO1: 5.4 DO2: 5.4 (ppm) Avg DO: 5.4 % Sat: 67.77%	Make sure two readings are within 0.6 ppm
Total Alkalinity	drops: 6 Tot. Alk: 30 mg/l	Add drops until no more color change. Record number of drops that produced final change.
Total Hardness	drops: 6 Tot. Hardness: 60 mg/l	Add drops until no more color change. Record number of drops that produced final change.
Turbidity	Turb 1: 2 Turb 2: Turbidity: 10 JTU	Enter zero (0) mL and 2 JTU if one addition of reagent surpassed the turbidity of the sample.
Secchi Depth	m	Do not record depth if disk hits bottom while visible.
Salinity	‰	If salinity is present do not test for hardness.

[Edit record](#)

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

[Submit record to AWW](#)

Record submitted by:
John Gwin

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.

	<p>AWW Program Office 559 DeVall • Auburn, AL 36849</p>	
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C

10 / 9 / 18

Capps

ALABAMA WATER WATCH WATER CHEMISTRY MONITORING DATA FORM

Group Name: Storm Water online
 Collector(s): H. O. Gray McChelvey Address: 700 Foxtrail
 City: Opelika State: AL Zip: 36801 Phone N^o: 705-5454
 Sample Date: 10/9/18 Sample Time: 10:15 AWW Site Code: _____
 Watershed: M. Mill Waterbody: Pepper County & State: Lee/AL
 Sampling site location: Capps

(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	<u>24</u> °C	Measure air temperature before water temperature.
Water Temperature	<u>22</u> °C	Avoid touching thermometer bulb.
pH	<u>7</u> Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: <u>4.6</u> ppm Rep 2: <u>4.9</u> 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	<u>4.75</u> Avg DO <u>54.92</u> % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	<u>10</u> # drops x 5 = <u>50</u> mg/L	Add drops until no more color change.
Total Hardness	<u>7</u> # drops x 10 = <u>70</u> mg/L	Record number of drops that produced final change.
Turbidity	_____ # 0.5 mL x 5 (50mL) = _____ JTU <u>1</u> # 0.5 mL x 10 (25mL) <u>5</u> 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

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. _____

Monitor signature

Alabama Water Watch 4:18 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
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C

10 / 9 / 18

ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: Stann Water online
 Collector(s): H. O. Grice Address: 700 Foxtrail
 City: Opelika State: AL Zip: 36801 Phone N°: 705-5454
 Sample Date: 10/9/18 Sample Time: 10:30 AWW Site Code: _____
 Watershed: M. M. II Waterbody: _____ County & State: Lee/AL
 Sampling site location: Hamilton
(Notify the AWW office about any changes in sampling site location.)

Waterbody condition: <input checked="" type="checkbox"/> Adequate Depth <input type="checkbox"/> Inadequate Depth <input type="checkbox"/> Dry <input type="checkbox"/> No Access		
Tidally influenced rivers: <input type="checkbox"/> Rising Tide <input type="checkbox"/> Falling Tide <input type="checkbox"/> Uncertain <input type="checkbox"/> No Applicable		
Variable	Value	Comments
Air Temperature	<u>24</u> °C	Measure air temperature before water temperature.
Water Temperature	<u>21</u> °C	Avoid touching thermometer bulb.
pH	<u>7</u> Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: <u>7</u> ppm Rep 2: <u>6.8</u> 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	_____ Avg DO _____ % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	<u>9</u> # drops x 5 = <u>45</u> mg/L	Add drops until no more color change. Record number of drops that produced final change.
Total Hardness	<u>7</u> # drops x 10 = <u>70</u> mg/L	
Turbidity	_____ # 0.5 mL x 5 (50mL) = _____ JTU <u>1</u> # 0.5 mL x 10 (25mL) <u>5</u> 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
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. <input type="checkbox"/> Check for electronic signature. _____ <div style="text-align: right; margin-right: 50px;"><small>Monitor signature</small></div>		
 4:18 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

C

10/9/18

ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: Storm Water online
 Collector(s): H. O. Grice Address: 700 Foxtrail
 City: Opelika State: AL Zip: 36801 Phone N°: 705-5454
 Sample Date: 10/9/18 Sample Time: 10:55 AWW Site Code: _____
 Watershed: M. Mill Waterbody: _____ County & State: Lee/AL
 Sampling site location: Bent Creek

(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	<u>25</u> °C	Measure air temperature before water temperature.
Water Temperature	<u>24</u> °C	Avoid touching thermometer bulb.
pH	<u>7</u> Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: <u>6.2</u> ppm Rep 2: <u>6</u> 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	<u>6.1</u> Avg DO <u>72.46</u> % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	<u>10</u> # drops x 5 = <u>30</u> mg/L	Add drops until no more color change. Record number of drops that produced final change.
Total Hardness	<u>4</u> # drops x 10 = <u>40</u> mg/L	
Turbidity	____ # 0.5 mL x 5 (50mL) = _____ JTU <u>1</u> # 0.5 mL x 10 (25mL) <u>5</u> 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.

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. _____

Monitor signature

 4:19 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
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ENVIRONMENTAL RESOURCE ANALYSTS, INC.

Auburn Technology Park - 2975 Brown Ct. - Auburn, AL 36830

Tel. (334) 502-3444 Fax (334) 502-8888

Results of Analysis For: John M Harris
City of Opelika-Engineering Dept

Report No 780-0118

Date Received: 1/22/2018

Location Ball Field

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Qual.</u>	<u>MDL</u>	<u>PQL</u>	<u>Method</u>	<u>Collection Date/Time</u>	<u>Analysis Date/Time</u>	<u>Analyst</u>
174108-02									
Total Phosphorus	<0.100	mg P/L		0.1	1	EPA 365.4 (1974)	01/22/18 09:10	01/25/18 13:47	HK

Report No 780-0118

Date Received: 1/22/2018

Location Bent Creek

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Qual.</u>	<u>MDL</u>	<u>PQL</u>	<u>Method</u>	<u>Collection Date/Time</u>	<u>Analysis Date/Time</u>	<u>Analyst</u>
174108-06									
TSS	<2.50	mg/L(Dry)		2.5	2.5	SM 2540D Mod-1997	01/22/18 11:00	01/23/18 13:00	CO

Report No 780-0118

Date Received: 1/22/2018

Location Capps

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Qual.</u>	<u>MDL</u>	<u>PQL</u>	<u>Method</u>	<u>Collection Date/Time</u>	<u>Analysis Date/Time</u>	<u>Analyst</u>
174108-04									
TSS	<2.50	mg/L(Dry)		2.5	2.5	SM 2540D Mod-1997	01/22/18 10:25	01/23/18 13:00	CO

Report No 780-0118

Date Received: 1/22/2018

Location Hamilton

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Qual.</u>	<u>MDL</u>	<u>PQL</u>	<u>Method</u>	<u>Collection Date/Time</u>	<u>Analysis Date/Time</u>	<u>Analyst</u>
174108-05									
TSS	<2.50	mg/L(Dry)		2.5	2.5	SM 2540D Mod-1997	01/22/18 10:45	01/23/18 13:00	CO



ENVIRONMENTAL RESOURCE ANALYSTS, INC.

Auburn Technology Park - 2975 Brown Ct. - Auburn, AL 36830

Tel. (334) 502-3444 Fax (334) 502-8888

Results of Analysis For: John M Harris
City of Opelika-Engineering Dept

Report No 780-0118

Date Received: 1/22/2018

Location Thomason

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Qual.</u>	<u>MDL</u>	<u>PQL</u>	<u>Method</u>	<u>Collection Date/Time</u>	<u>Analysis Date/Time</u>	<u>Analyst</u>
174108-03									
Total Phosphorus	<0.100	mg P/L		0.1	1	EPA 365.4 (1974)	01/22/18 09:45	01/25/18 13:47	HK

Report No 780-0118

Date Received: 1/22/2018

Location Waverly

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Qual.</u>	<u>MDL</u>	<u>PQL</u>	<u>Method</u>	<u>Collection Date/Time</u>	<u>Analysis Date/Time</u>	<u>Analyst</u>
174108-01									
Total Phosphorus	<0.100	mg P/L		0.1	1	EPA 365.4 (1974)	01/22/18 08:20	01/25/18 13:47	HK

MDL: Method Detection Limit
PQL: Practical Quantitation Limit

01/29/2018

Erin Consuegra, QA/QC Manager

Date

This person may be contacted for questions at the number listed above.

All collection and test times are reported as central standard time.
The results shown relate only to these samples.



ENVIRONMENTAL RESOURCE ANALYSTS, INC.

Auburn Technology Park - 2975 Brown Ct. - Auburn, AL 36830

Tel. (334) 502-3444 Fax (334) 502-8888

Results of Analysis For: John M Harris
City of Opelika-Engineering Dept

Report No 780-0418

Date Received: 4/9/2018

Location Bent Creek

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Qual.</u>	<u>MDL</u>	<u>PQL</u>	<u>Method</u>	<u>Collection Date/Time</u>	<u>Analysis Date/Time</u>	<u>Analyst</u>
178073-06 TSS	<2.50	mg/L(Dry)		2.5	2.5	SM 2540D Mod-2011	04/09/18 11:00	04/10/18 12:00	CO

Report No 780-0418

Date Received: 4/9/2018

Location Capps

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Qual.</u>	<u>MDL</u>	<u>PQL</u>	<u>Method</u>	<u>Collection Date/Time</u>	<u>Analysis Date/Time</u>	<u>Analyst</u>
178073-04 TSS	<2.50	mg/L(Dry)		2.5	2.5	SM 2540D Mod-2011	04/09/18 10:15	04/10/18 12:00	CO

Report No 780-0418

Date Received: 4/9/2018

Location Hamilton

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Qual.</u>	<u>MDL</u>	<u>PQL</u>	<u>Method</u>	<u>Collection Date/Time</u>	<u>Analysis Date/Time</u>	<u>Analyst</u>
178073-05 TSS	<2.50	mg/L(Dry)		2.5	2.5	SM 2540D Mod-2011	04/09/18 10:45	04/10/18 12:00	CO



ENVIRONMENTAL RESOURCE ANALYSTS, INC.

Auburn Technology Park - 2975 Brown Ct. - Auburn, AL 36830

Tel. (334) 502-3444 Fax (334) 502-8888

7.5.18

Results of Analysis For: John M Harris
City of Opelika-Engineering Dept

Report No 780-0718

Date Received: 7/5/2018

Location Ball Field

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Qual.</u>	<u>MDL</u>	<u>PQL</u>	<u>Method</u>	<u>Collection Date/Time</u>	<u>Analysis Date/Time</u>	<u>Analyst</u>
180848-02									
Total Phosphorus	<0.100	mg P/L	0.1	1		EPA 365.4	07/05/18 09:00	07/11/18 14:15	HK

Report No 780-0718

Date Received: 7/5/2018

Location Bent Creek

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Qual.</u>	<u>MDL</u>	<u>PQL</u>	<u>Method</u>	<u>Collection Date/Time</u>	<u>Analysis Date/Time</u>	<u>Analyst</u>
180848-06									
TSS	3.67	mg/L(Dry)	2.5	2.5		SM 2540D Mod-2011	07/05/18 10:45	07/05/18 16:30	TW

Report No 780-0718

Date Received: 7/5/2018

Location Capps

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Qual.</u>	<u>MDL</u>	<u>PQL</u>	<u>Method</u>	<u>Collection Date/Time</u>	<u>Analysis Date/Time</u>	<u>Analyst</u>
180848-04									
TSS	2.67	mg/L(Dry)	2.5	2.5		SM 2540D Mod-2011	07/05/18 10:10	07/05/18 16:30	TW

Report No 780-0718

Date Received: 7/5/2018

Location Hamilton

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Qual.</u>	<u>MDL</u>	<u>PQL</u>	<u>Method</u>	<u>Collection Date/Time</u>	<u>Analysis Date/Time</u>	<u>Analyst</u>
180848-05									
TSS	3.33	mg/L(Dry)	2.5	2.5		SM 2540D Mod-2011	07/05/18 10:30	07/05/18 16:30	TW



ENVIRONMENTAL RESOURCE ANALYSTS, INC.

Auburn Technology Park - 2975 Brown Ct. - Auburn, AL 36830

Tel. (334) 502-3444 Fax (334) 502-8888

10-9-18 TSS



ENVIRONMENTAL RESOURCE ANALYSTS, INC.

Auburn Technology Park - 2975 Brown Ct. - Auburn, AL 36830

Tel. (334) 502-3444 Fax (334) 502-8888

Results of Analysis For: John M Harris
City of Opelika-Engineering Dept

Project: 780-1018
Date Received: 10/9/2018

TSS	<2.50	mg/L(Dry)	T8	2.5	2.5	SM 2540D Mod-2011	10/09/18 10:30	10/10/18 13:00	CO
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Sample Number: 183929-06	Collection Date: 10/09/2018 10:55
Description: grab	Location: Bent Creek

Analysis	Result	Units	Qual.	MDL	PQL	Method	Collection Date/Time	Analysis Date/Time	Analyst
TSS	<2.50	mg/L(Dry)	T8	2.5	2.5	SM 2540D Mod-2011	10/09/18 10:55	10/10/18 13:00	CO

Sample Number: 183929-04	Collection Date: 10/09/2018 10:15
Description: grab	Location: Capps

Analysis	Result	Units	Qual.	MDL	PQL	Method	Collection Date/Time	Analysis Date/Time	Analyst
TSS	<2.50	mg/L(Dry)	T8	2.5	2.5	SM 2540D Mod-2011	10/09/18 10:15	10/10/18 13:00	CO

Sample Number: 183929-05	Collection Date: 10/09/2018 10:30
Description: grab	Location: Hamilton

Analysis	Result	Units	Qual.	MDL	PQL	Method	Collection Date/Time	Analysis Date/Time	Analyst
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B

WAVE

1-22-17

ALABAMA WATER WATCH BACTERIOLOGICAL MONITORING DATA FORM

Group Name: CITY OF OPELIKA online
 Collector(s): HARRIS / dell Address: ENGINEER OFFICE
 City: OPELIKA State: AL Zip: 36801 Phone N°: 705-5454
 Sample Date: 1/22/2017 Sample Time: 8:20 AWW Site Code: 070-11-
 Watershed: 03-150-1100-102 Waterbody: P. oppo C County & State: LEE/ALABAMA
 Sampling site location: Waverly

(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
Temperature	Air: <u>12</u> Water: <u>8</u> °C	Measure air temperature before water temperature. Avoid touching thermometer bulb.
Sample Volume	1.0 mL	Use same volume for all replicates.
Plating Time	<u>13:00</u> 24-hr format	Incubation begins when samples are plated.
Incubation Temperature	<u>35.0</u> °C	Keep incubation temperature between 29 and 37 °C.
Incubation Period	hrs	Count bacteria within 30 - 48 hrs of incubation.
Media Expiration Date	<u>9-17</u>	Use short date format e.g. May - 13.
Plated on Site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Plate off sampling site, within 3 hours if possible. Always transport samples on ice.

Replicate No.	No. of E. coli colonies on plate (blue green to dark blue-purple) *	No. of Other coliform (pink to dark red) colonies on plate *	Code for estimated Other coliform colonies on plate **
1	1	9	
2	2	15	
3	1	13	

* If colonies are too numerous to count, report as 250 colonies.
 ** Code for Other coliform: None (0), Rare (1-9), Common (10-100), Abundant (101-200), Too Numerous To Count (>200).

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

Average $\frac{1}{2}$ 100 E. coli

Other Bacteria Tests IDEXX, Coliscan MF, etc.

I hereby declare that at the time of this water testing my AWW Bacteriological Monitoring Certification was current and that I confirmed the freshness of the media used for these tests. All data entered above the **Comments** section were obtained using AWW techniques.

Check for electronic signature. _____

Monitor signature

 AUG 15	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
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B

Tom

1-22-18

ALABAMA WATER WATCH BACTERIOLOGICAL MONITORING DATA FORM

Group Name: CITY OF OPELIKA online
 Collector(s): HARRIS / odub Address: ENGINEER OFFICE
 City: OPELIKA State: AL Zip: 36801 Phone N°: 705-5454
 Sample Date: 1/22/20 18 Sample Time: 9:45 AWW Site Code: 070-11-
 Watershed: 03-150-1100-102 Waterbody: Pepper ch County & State: LEE/ALABAMA
 Sampling site location: Thameson

(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
Temperature	Air: <u>13</u> Water: <u>10</u> °C	Measure air temperature before water temperature. Avoid touching thermometer bulb.
Sample Volume	1.0 mL	Use same volume for all replicates.
Plating Time	<u>13:00</u> 24-hr format	Incubation begins when samples are plated.
Incubation Temperature	<u>35.0</u> °C	Keep incubation temperature between 29 and 37 °C.
Incubation Period	_____ hrs	Count bacteria within 30 - 48 hrs of incubation.
Media Expiration Date	<u>9-18</u>	Use short date format e.g. May - 13.
Plated on Site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Plate off sampling site, within 3 hours if possible. Always transport samples on ice.

Replicate No.	No. of E. coli colonies on plate (blue green to dark blue-purple) *	No. of Other coliform (pink to dark red) colonies on plate *	Code for estimated Other coliform colonies on plate **
1	1	11	
2	0	11	
3	1	7	

* If colonies are too numerous to count, report as 250 colonies.
 ** Code for Other coliform: None (0), Rare (1-9), Common (10-100), Abundant (101-200), Too Numerous To Count (>200).

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

Average: 1/0 100 E. coli.

Other Bacteria Tests IDEXX, Coliscan MF, etc.

I hereby declare that at the time of this water testing my AWW Bacteriological Monitoring Certification was current and that I confirmed the freshness of the media used for these tests. All data entered above the **Comments** section were obtained using AWW techniques. Check for electronic signature. _____

Monitor signature

 AUG 15	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
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B

Ball

1-22-18

ALABAMA WATER WATCH BACTERIOLOGICAL MONITORING DATA FORM

Group Name: CITY OF OPELIKA online
 Collector(s): HARRIS / edell Address: ENGINEER OFFICE
 City: OPELIKA State: AL Zip: 36801 Phone N°: 705-5454
 Sample Date: 1/22/2018 Sample Time: 9:10 AWW Site Code: 070-11-
 Watershed: 03-150-1100-102 Waterbody: Pepin crk County & State: LEE/ALABAMA
 Sampling site location: Ball Field

(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
Temperature	Air: <u>13</u> Water: <u>9</u> °C	Measure air temperature before water temperature. Avoid touching thermometer bulb.
Sample Volume	<u>1.0</u> mL	Use same volume for all replicates.
Plating Time	<u>13 : 00</u> 24-hr format	Incubation begins when samples are plated.
Incubation Temperature	<u>35.0</u> °C	Keep incubation temperature between 29 and 37 °C.
Incubation Period	hrs	Count bacteria within 30 - 48 hrs of incubation.
Media Expiration Date	<u>9 - 78</u>	Use short date format e.g. May - 13.
Plated on Site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Plate off sampling site, within 3 hours if possible. Always transport samples on ice.

Replicate No.	No. of E. coli colonies on plate (blue green to dark blue-purple) *	No. of Other coliform (pink to dark red) colonies on plate *	Code for estimated Other coliform colonies on plate **
1	0	1	
2	1	0	
3	0	0	

* If colonies are too numerous to count, report as 250 colonies.

** Code for Other coliform: None (0), Rare (1-9), Common (10-100), Abundant (101-200), Too Numerous To Count (>200).
 Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc.

Average: $\frac{1}{3}$ 100 E. coli

Other Bacteria Tests: IDEXX, Coliscan MF, etc.

I hereby declare that at the time of this water testing my AWW Bacteriological Monitoring Certification was current and that I confirmed the freshness of the media used for these tests. All data entered above the **Comments** section were obtained using AWW techniques.

Check for electronic signature. _____ Monitor signature

 <p>AUG 15</p>	<p>Alabama Water Watch 559 Devall Dr. Auburn University, AL 36849-5124</p>	<p>Toll Free: 1-888-844-4785 Email: awwprog@auburn.edu Website: www.alabamawaterwatch.org</p>
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B

ALABAMA WATER WATCH

BACTERIOLOGICAL MONITORING DATA FORM

Group Name: Storm Water online
 Collector(s): H/20 Address: 700 Fox Trail
 City: Opelika State: AL Zip: 36801 Phone No: 705-5454
 Sample Date: 9/1/18 Sample Time: 8:45 AWW Site Code: 070-11
 Watershed: _____ Waterbody: PCL County & State: Lee, AL
 Sampling site location: Waverly
(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
Temperature	Air: <u>11</u> Water: <u>14</u> °C	Measure air temp before water temp. Read with bulb submerged if possible. Don't touch bulb.
Sample Volume	<u>1.0</u> mL	Use same volume for all replicates.
Plating Time	<u>13:00</u> 24-hr format	Incubation begins when samples are plated.
Incubation Temperature	<u>35</u> °C	Keep incubation temperature between 29 and 37°C.
Incubation Period	<u>36</u> hrs	Count bacteria within 30 - 48 hrs of incubation.
Media Expiration Date	<u>10/18</u>	Use this date format, Jul/2019 (from the media box).
Plated on Site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If not plated at the sampling site, always transport on ice and plate within 3 hours.

Replicate No.	No. of <i>E. coli</i> colonies on plate (blue to purple) *	No. of Other coliforms on plate (pink to dark red) *	
1	0	14	* If colonies are too numerous to count (>200), report as 250.
2	0	31	
3	1	17	

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc. Record results of other tests here, if conducted (IDEXX, 3M Petrifilm, etc.).

33 are E

AWW Office Use

I hereby declare that at the time of this water testing my AWW Bacteriological Monitoring Certification was current and that I confirmed the freshness of the media used for these tests. All data entered above the Comments section were obtained using AWW techniques.

Check for electronic signature.

Monitor signature

<p style="font-size: 0.8em;">4-18 APR 17</p>	Alabama Water Watch 559 Devall Dr. Auburn, AL 36849-5124	Toll Free: 1-888-844-4785 Email: awwprog@auburn.edu Website: www.alabamawaterwatch.org
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B

ALABAMA WATER WATCH BACTERIOLOGICAL MONITORING DATA FORM

Group Name: CITY OF OPELIKA online
 Collector(s): HARRIS / o-d Address: ENGINEER OFFICE
 City: OPELIKA State: AL Zip: 36801 Phone N°: 705-5454
 Sample Date: 4/9/20 Sample Time: 9:10 AWW Site Code: 070-11-
 Watershed: 03-150-1100-102 Waterbody: PC County & State: LEE/ALABAMA
 Sampling site location: Ball Field

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

Waterbody condition:	<input checked="" type="radio"/> Adequate Depth	<input type="radio"/> Inadequate Depth	<input type="radio"/> Dry	<input type="radio"/> No Access
Tidally influenced rivers:	<input type="checkbox"/> Rising Tide	<input type="checkbox"/> Falling Tide	<input type="checkbox"/> Uncertain	<input checked="" type="checkbox"/> No Applicable
Variable	Value	Comments		
Temperature	Air: <u>11</u> Water: <u>15</u> °C	Measure air temperature before water temperature. Avoid touching thermometer bulb.		
Sample Volume	<u>1.0</u> mL	Use same volume for all replicates.		
Plating Time	<u>13:00</u> 24-hr format	Incubation begins when samples are plated.		
Incubation Temperature	<u>35.0</u> °C	Keep incubation temperature between 29 and 37 °C.		
Incubation Period	<u>36</u> hrs	Count bacteria within 30 - 48 hrs of incubation.		
Media Expiration Date	<u>10/18</u>	Use short date format e.g. May - 13.		
Plated on Site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Plate off sampling site, within 3 hours if possible. Always transport samples on ice.		

Replicate No.	No. of E. coli colonies on plate (blue green to dark blue-purple) *	No. of Other coliform (pink to dark red) colonies on plate *	Code for estimated Other coliform colonies on plate **
1	<u>1</u>	<u>13</u>	
2	<u>0</u>	<u>20</u>	
3	<u>1</u>	<u>20</u>	

* If colonies are too numerous to count, report as 250 colonies.
 ** Code for Other coliform: None (0), Rare (1-9), Common (10-100), Abundant (101-200), Too Numerous To Count (>200).

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc.
 AWW Office Use
.66

Other Bacteria Tests: _____ IDEXX, Coliscan MF, etc.

I hereby declare that at the time of this water testing my AWW Bacteriological Monitoring Certification was current and that I confirmed the freshness of the media used for these tests. All data entered above the **Comments** section were obtained using AWW techniques.
 Check for electronic signature. _____
 Monitor signature

	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
	AUG 15	

B

ALABAMA WATER WATCH BACTERIOLOGICAL MONITORING DATA FORM

Group Name: CITY OF OPELIKA online
 Collector(s): HARRIS / od Address: ENGINEER OFFICE
 City: OPELIKA State: AL Zip: 36801 Phone N°: 705-5454
 Sample Date: 4/9/2018 Sample Time: 9:30 AWW Site Code: 070-11-
 Watershed: 03-150-1100-102 Waterbody: PC County & State: LEE/ALABAMA
 Sampling site location: Truston

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

Waterbody condition:	<input checked="" type="radio"/> Adequate Depth	<input type="radio"/> Inadequate Depth	<input type="radio"/> Dry	<input type="radio"/> No Access
Tidally influenced rivers:	<input type="checkbox"/> Rising Tide	<input type="checkbox"/> Falling Tide	<input type="checkbox"/> Uncertain	<input checked="" type="checkbox"/> No Applicable
Variable	Value	Comments		
Temperature	Air: <u>12</u> Water: <u>14</u> °C	Measure air temperature before water temperature. Avoid touching thermometer bulb.		
Sample Volume	1.0 mL	Use same volume for all replicates.		
Plating Time	<u>13:00</u> 24-hr format	Incubation begins when samples are plated.		
Incubation Temperature	<u>35.0</u> °C	Keep incubation temperature between 29 and 37 °C.		
Incubation Period	<u>36</u> hrs	Count bacteria within 30 - 48 hrs of incubation.		
Media Expiration Date	<u>10/18</u>	Use short date format e.g. May - 13.		
Plated on Site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Plate off sampling site, within 3 hours if possible. Always transport samples on Ice.		

Replicate No.	No. of E. coli colonies on plate (blue green to dark blue-purple) *	No. of Other coliform (pink to dark red) colonies on plate *	Code for estimated Other coliform colonies on plate **
1	1	28	
2	0	26	
3	1	23	

* If colonies are too numerous to count, report as 250 colonies.

** Code for Other coliform: None (0), Rare (1-9), Common (10-100), Abundant (101-200), Too Numerous To Count (>200).

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

AWW Office Use

Other Bacteria Tests	<u>dwn. 66</u>	IDEXX, Coliscan MF, etc.
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I hereby declare that at the time of this water testing my AWW Bacteriological Monitoring Certification was current and that I confirmed the freshness of the media used for these tests. All data entered above the **Comments** section were obtained using AWW techniques.

Check for electronic signature.

Monitor signature



AUG 15

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

B*Ball**7-18***ALABAMA WATER WATCH
BACTERIOLOGICAL MONITORING DATA FORM**

Group Name: Storm Water online
 Collector(s): H+O Address: 700 Fox Trail
 City: Opelika State: AL Zip: 36801 Phone N°: 705-5454
 Sample Date: 7/5/18 Sample Time: 9:00 AWW Site Code: 070-11
 Watershed: Faulkner Waterbody: Ball Park County & State: Lee, AL
 Sampling site location: Ball Park

(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
Temperature	Air: <u>27</u> Water: <u>26</u> °C	Measure air temp before water temp. Read with bulb submerged if possible. Don't touch bulb.
Sample Volume	<u>1.0</u> mL	Use same volume for all replicates.
Plating Time	<u>9:45</u> 24-hr format	Incubation begins when samples are plated.
Incubation Temperature	<u>35</u> °C	Keep incubation temperature between 29 and 37°C.
Incubation Period	<u>29</u> hrs	Count bacteria within 30 - 48 hrs of incubation.
Media Expiration Date	<u>9/18</u>	Use this date format, Jul/2019 (from the media box).
Plated on Site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If not plated at the sampling site, always transport on ice and plate within 3 hours.

Replicate No.	No. of <i>E. coli</i> colonies on plate (blue to purple) *	No. of Other coliforms on plate (pink to dark red) *	* If colonies are too numerous to count (>200), report as 250.
1	0	0	
2	1	25	
3	1	20	

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc. Record results of other tests here, if conducted (IDEXX, 3M Petrifilm, etc.).

average: $\frac{1}{23}$

AWW Office Use

I hereby declare that at the time of this water testing my AWW Bacteriological Monitoring Certification was current and that I confirmed the freshness of the media used for these tests. All data entered above the Comments section were obtained using AWW techniques. Check for electronic signature.

Monitor signature

	Alabama Water Watch 559 Devall Dr. Auburn, AL 36849-5124	Toll Free: 1-888-844-4785 Email: awwprog@auburn.edu Website: www.alabamawaterwatch.org
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B

Tom 7-18

ALABAMA WATER WATCH BACTERIOLOGICAL MONITORING DATA FORM

Group Name: Storm Water online
 Collector(s): H+O Address: 700 Fox Trail
 City: Opelika State: AL Zip: 36801 Phone No: 705-5454
 Sample Date: 7/5/18 Sample Time: 9:20 AWW Site Code: 070-11-
 Watershed: P-Creek Waterbody: _____ County & State: Lee, AL
 Sampling site location: Thomason

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

Waterbody condition:	<input type="checkbox"/> Adequate Depth	<input type="checkbox"/> Inadequate Depth	<input type="checkbox"/> Dry	<input type="checkbox"/> No Access
Tidally influenced rivers:	<input type="checkbox"/> Rising Tide	<input type="checkbox"/> Falling Tide	<input type="checkbox"/> Uncertain	<input type="checkbox"/> No Applicable
Variable	Value		Comments	
Temperature	Air: <u>27</u> Water: <u>24</u> °C		Measure air temp before water temp. Read with bulb submerged if possible. Don't touch bulb.	
Sample Volume	<u>1.0</u> mL		Use same volume for all replicates.	
Plating Time	<u>9:45</u> 24-hr format		Incubation begins when samples are plated.	
Incubation Temperature	<u>35</u> °C		Keep incubation temperature between 29 and 37 °C.	
Incubation Period	<u>29</u> hrs		Count bacteria within 30 - 48 hrs of incubation.	
Media Expiration Date	<u>9/18</u>		Use this date format, Jul/2019 (from the media box).	
Plated on Site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If not plated at the sampling site, always transport on ice and plate within 3 hours.	

Replicate No.	No. of <i>E. coli</i> colonies on plate (blue to purple) *	No. of Other coliforms on plate (pink to dark red) *	* If colonies are too numerous to count (>200), report as 250.
1	1	15	
2	0	18	
3	0	9	

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc. Record results of other tests here, if conducted (IDEXX, 3M Petrifilm, etc.).

average: $\frac{1}{14}$

AWW Office Use

I hereby declare that at the time of this water testing my AWW Bacteriological Monitoring Certification was current and that I confirmed the freshness of the media used for these tests. All data entered above the Comments section were obtained using AWW techniques.

Check for electronic signature. _____

Monitor signature



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

Toll Free: 1-888-844-4785
Email: awwprog@auburn.edu
Website: www.alabamawaterwatch.org

B

Wave - 7-18

ALABAMA WATER WATCH

BACTERIOLOGICAL MONITORING DATA FORM

Group Name: Storm Water online
 Collector(s): H+O Address: 700 Fox Trail
 City: Opelika State: AL Zip: 36801 Phone No: 705-3454
 Sample Date: 7/5/18 Sample Time: 8:35 AWW Site Code: 070-11
 Watershed: P. Creek Waterbody: _____ County & State: Lee, AL
 Sampling site location: Waverly
(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
Temperature	Air: <u>26</u> Water: <u>28</u> °C	Measure air temp before water temp. Read with bulb submerged if possible. Don't touch bulb.
Sample Volume	<u>1.0</u> ml	Use same volume for all replicates.
Plating Time	<u>9:45</u> 24-hr format	Incubation begins when samples are plated.
Incubation Temperature	<u>35</u> °C	Keep incubation temperature between 29 and 37°C.
Incubation Period	<u>29</u> hrs	Count bacteria within 30 - 48 hrs of incubation.
Media Expiration Date	<u>9/18</u>	Use this date format, Jul/2019 (from the media box).
Plated on Site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If not plated at the sampling site, always transport on ice and plate within 3 hours.

Replicate No.	No. of <i>E. coli</i> colonies on plate (blue to purple) *	No. of Other coliforms on plate (pink to dark red) *	
1	3	10	* If colonies are too numerous to count (>200), report as 250.
2	0	15	
3	0	15	

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc. Record results of other tests here, if conducted (IDEXX, 3M Petrifilm, etc.).

Average: $\frac{1}{14}$

AWW Office Use

I hereby declare that at the time of this water testing my AWW Bacteriological Monitoring Certification was current and that I confirmed the freshness of the media used for these tests. All data entered above the Comments section were obtained using AWW techniques.

Check for electronic signature. _____

Monitor signature

 <p>4-18 APR 17</p>	Alabama Water Watch 559 Devall Dr. Auburn, AL 36849-5124	Toll Free: 1-888-844-4785 Email: awwprog@auburn.edu Website: www.alabamawaterwatch.org
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B
B

10-18

ALABAMA WATER WATCH BACTERIOLOGICAL MONITORING DATA FORM

Group Name: Storm Water online
 Collector(s): H. O. Bruce, Methylwey Address: 700 Fox Trail
 City: Opelika State: AL Zip: 36801 Phone N°: 705-5454
 Sample Date: 10/9/18 Sample Time: 9:15 AWW Site Code: 070-11-
 Watershed: Popple B Waterbody: Ball Park County & State: Lee, AL
 Sampling site location: _____

(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
Temperature	Air: <u>24</u> Water: <u>23</u> °C	Measure air temp before water temp. Read with bulb submerged if possible. Don't touch bulb.
Sample Volume	<u>1.0</u> mL	Use same volume for all replicates.
Plating Time	<u>12:45</u> 24-hr format	Incubation begins when samples are plated.
Incubation Temperature	<u>35</u> °C	Keep incubation temperature between 29 and 37°C.
Incubation Period	_____ hrs	Count bacteria within 30 - 48 hrs of incubation.
Media Expiration Date	<u>10/18</u>	Use this date format, Jul/2019 (from the media box).
Plated on Site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If not plated at the sampling site, always transport on ice and plate within 3 hours.

Replicate No.	No. of <i>E. coli</i> colonies on plate (blue to purple) *	No. of Other coliforms on plate (pink to dark red) *	* If colonies are too numerous to count (>200), report as 250.
1	2	28	
2	0	29	
3	1	14	

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc. Record results of other tests here, if conducted (IDEXX, 3M Petrifilm, etc.).

average: $\frac{1}{24}$

AWW Office Use

I hereby declare that at the time of this water testing my AWW Bacteriological Monitoring Certification was current and that I confirmed the freshness of the media used for these tests. All data entered above the Comments section were obtained using AWW techniques. Check for electronic signature. _____

Monitor signature

 <p>4-18 APR 17</p>	Alabama Water Watch 559 Devall Dr. Auburn, AL 36849-5124	Toll Free: 1-888-844-4785 Email: awwprog@auburn.edu Website: www.alabamawaterwatch.org
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B

10 - 18

ALABAMA WATER WATCH BACTERIOLOGICAL MONITORING DATA FORM

Group Name: Storm Water online
 Collector(s): H. O. Grice, McKelvey Address: 700 Fox Trail
 City: Opelika State: AL Zip: 36801 Phone N^o: 705-5454
 Sample Date: 10/9/18 Sample Time: 9:45 AWW Site Code: 070-11-
 Watershed: Peppell B Waterbody: _____ County & State: Lee, AL
 Sampling site location: _____

(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
Temperature	Air: <u>24</u> Water: <u>22</u> °C	Measure air temp before water temp. Read with bulb submerged if possible. Don't touch bulb.
Sample Volume	<u>1.0</u> mL	Use same volume for all replicates.
Plating Time	<u>12:45</u> 24-hr format	Incubation begins when samples are plated.
Incubation Temperature	<u>35</u> °C	Keep incubation temperature between 29 and 37 °C.
Incubation Period	_____ hrs	Count bacteria within 30 - 48 hrs of incubation.
Media Expiration Date	<u>10/18</u>	Use this date format, Jul/2019 (from the media box).
Plated on Site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If not plated at the sampling site, always transport on ice and plate within 3 hours.

Replicate No.	No. of <i>E. coli</i> colonies on plate (blue to purple) *	No. of Other coliforms on plate (pink to dark red) *	* If colonies are too numerous to count (>200), report as 250.
1	1	15	
2	2	8	
3	1	16	

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc. Record results of other tests here, if conducted (IDEXX, 3M Petrifilm, etc.).

average: $\frac{2}{13}$

AWW Office Use

I hereby declare that at the time of this water testing my AWW Bacteriological Monitoring Certification was current and that I confirmed the freshness of the media used for these tests. All data entered above the Comments section were obtained using AWW techniques.

Check for electronic signature. _____

Monitor signature

 <p>4-18 APR 17</p>	Alabama Water Watch 559 Devall Dr. Auburn, AL 36849-5124	Toll Free: 1-888-844-4785 Email: awwprog@auburn.edu Website: www.alabamawaterwatch.org
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B

W

10-9-18

ALABAMA WATER WATCH BACTERIOLOGICAL MONITORING DATA FORM

Group Name: Storm Water online
 Collector(s): H. O. Grize, M. Helms Address: 700 Fox Trail
 City: Opelika State: AL Zip: 36801 Phone No: 705-5454
 Sample Date: 10/9/18 Sample Time: 8:45 AWW Site Code: 070-11-
 Watershed: Pepperell B Waterbody: old County & State: Lee, AL
 Sampling site location: old Waverly

(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
Temperature	Air: <u>24</u> Water: <u>23</u> °C	Measure air temp before water temp. Read with bulb submerged if possible. Don't touch bulb.
Sample Volume	<u>1.0</u> mL	Use same volume for all replicates.
Plating Time	<u>12:45</u> 24-hr format	Incubation begins when samples are plated.
Incubation Temperature	<u>35</u> °C	Keep incubation temperature between 29 and 37°C.
Incubation Period	_____ hrs	Count bacteria within 30 - 48 hrs of incubation.
Media Expiration Date	<u>10/18</u>	Use this date format, Jul/2019 (from the media box).
Plated on Site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If not plated at the sampling site, always transport on ice and plate within 3 hours.

Replicate No.	No. of <i>E. coli</i> colonies on plate (blue to purple) *	No. of Other coliforms on plate (pink to dark red) *	* If colonies are too numerous to count (>200), report as 250.
1	1	12	
2	1	18	
3	1	19	

Comments: Note evidence of rainfall, runoff within previous 24 hours, unusual smell, unusual color, cows or other animals in creek, etc. Record results of other tests here, if conducted (IDEXX, 3M Petrifilm, etc.).

average: $\frac{1}{17}$

AWW Office Use

I hereby declare that at the time of this water testing my AWW Bacteriological Monitoring Certification was current and that I confirmed the freshness of the media used for these tests. All data entered above the Comments section were obtained using AWW techniques.

Check for electronic signature. _____

Monitor signature

 <p>4-18 APR 17</p>	Alabama Water Watch 559 Devall Dr. Auburn, AL 36849-5124	Toll Free: 1-888-844-4785 Email: awwprog@auburn.edu Website: www.alabamawaterwatch.org
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C

WAVE

1-22-18

ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: CITY OF OPELIKA 03 150 1100 online
 Collector(s): J-H/odell Address: ENGINEER OFFICE
 City: OPELIKA State: AL Zip: 36801 Phone N°: 705-5450
 Sample Date: 1/1/2018 Sample Time: 8:20 AWW Site Code: 070-2200-
 Watershed: 03-150-1100-202 Waterbody: Popwell Cr County & State: LEE/AL
 Sampling site location: Wavely

(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	<u>12</u> °C	Measure air temperature before water temperature.
Water Temperature	<u>8</u> °C	Avoid touching thermometer bulb.
pH	<u>7.5</u> Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: <u>9</u> ppm Rep 2: <u>9.1</u> 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	<u>9.05</u> Avg. DO <u>75.8</u> % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	<u>9</u> # drops x 5 = <u>45</u> mg/L	Add drops until no more color change.
Total Hardness	<u>7</u> # drops x 10 = <u>70</u> mg/L	Record number of drops that produced final change.
Turbidity	<u>2</u> # 0.5 mL x 5 (50mL) = <u>10</u> JTU # 0.5 mL x 10 (25mL) <u>0</u> 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.

Ave. →

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

AWW Office Use

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. _____
 Monitor signature



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

C

Ball

1-22-18

ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: CITY OF OPELIKA 03 150 1100 online
 Collector(s): J.H. / add Address: ENGINEER OFFICE
 City: OPELIKA State: AL Zip: 36801 Phone N°: 705-5450
 Sample Date: 1/22/2018 Sample Time: 9:10 AWW Site Code: 070-2200-
 Watershed: 03-150-1100-202 Waterbody: P.C. Ball Field County & State: LEE/AL
 Sampling site location: _____

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

Waterbody condition:	<input checked="" type="radio"/> Adequate Depth	<input type="radio"/> Inadequate Depth	<input type="radio"/> Dry	<input type="radio"/> No Access
Tidally influenced rivers:	<input type="checkbox"/> Rising Tide	<input type="checkbox"/> Falling Tide	<input type="checkbox"/> Uncertain	<input checked="" type="checkbox"/> No Applicable
Variable	Value	Comments		
Air Temperature	<u>13</u> °C	Measure air temperature before water temperature.		
Water Temperature	<u>9</u> °C	Avoid touching thermometer bulb.		
pH	<u>7.0</u> 7.5 Standard international units	Record to nearest 0.5 unit.		
Dissolved Oxygen (DO)	Rep 1: <u>9.5</u> ppm Rep 2: <u>9.3</u> 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	<u>9.4</u> ^{4.66} Avg DO <u>80.6</u> % DO Sat	Estimate from chart found in the AWW manual.		
Total Alkalinity	<u>11</u> # drops x 5 = <u>55</u> mg/L	Add drops until no more color change. Record number of drops that produced final change.		
Total Hardness	<u>8</u> # drops x 10 = <u>80</u> mg/L			
Turbidity	<u>1</u> # 0.5 mL x 5 (50mL) = <u>5</u> JTU # 0.5 mL x 10 (25mL) <u>0</u> 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.		

Ave.

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

AWW Office Use

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

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Check for electronic signature. _____

Monitor signature

 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
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C

Thom

1-22-18

ALABAMA WATER WATCH

WATER CHEMISTRY MONITORING DATA FORM

Group Name: CITY OF OPELIKA 03 150 1100 online
 Collector(s): J.H. / adell Address: ENGINEER OFFICE
 City: OPELIKA State: AL Zip: 36801 Phone N°: 705-5450
 Sample Date: 1/22/20 18 Sample Time: 9:45 AWW Site Code: 070-2200-
 Watershed: 03-150-1100-202 Waterbody: Pepper CK County & State: LEE/AL
 Sampling site location: Thomason

(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	<u>13</u> °C	Measure air temperature before water temperature.
Water Temperature	<u>10</u> °C	Avoid touching thermometer bulb.
pH	<u>6.5</u> Standard international units	Record to nearest 0.5 unit.
Dissolved Oxygen (DO)	Rep 1: <u>9.1</u> ppm, Rep 2: <u>9.1</u> 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	<u>9.1</u> ^{1.34} Avg DO <u>79.8</u> % DO Sat	Estimate from chart found in the AWW manual.
Total Alkalinity	<u>13</u> # drops x 5 = <u>65</u> mg/L	Add drops until no more color change.
Total Hardness	<u>7</u> # drops x 10 = <u>70</u> mg/L	Record number of drops that produced final change.
Turbidity	<u>1</u> # 0.5 mL x 5 (50mL) = <u>5</u> JTU # 0.5 mL x 10 (25mL) <u>0</u> 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.

Ave.

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

AWW Office Use

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.

Monitor signature

Alabama Water Watch

2013

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



ENVIRONMENTAL RESOURCE ANALYSTS, INC.

Auburn Technology Park - 2975 Brown Ct. - Auburn, AL 36830

Tel. (334) 502-3444 Fax (334) 502-8888

Results of Analysis For: John M Harris
City of Opelika-Engineering Dept

Report No 780-0418

Date Received: 4/9/2018

Location Ball Field

Analysis	Result	Units	Qual.	MDL	PQL	Method	Collection Date/Time	Analysis Date/Time	Analyst
178073-02									
Total Phosphorus	<0.100	mg P/L		0.1	1	EPA 365.4	04/09/18 09:10	04/13/18 13:47	HK

Report No 780-0418

Date Received: 4/9/2018

Location Thomason

Analysis	Result	Units	Qual.	MDL	PQL	Method	Collection Date/Time	Analysis Date/Time	Analyst
178073-03									
Total Phosphorus	<0.100	mg P/L		0.1	1	EPA 365.4	04/09/18 09:30	04/13/18 13:47	HK

Report No 780-0418

Date Received: 4/9/2018

Location Waverly

Analysis	Result	Units	Qual.	MDL	PQL	Method	Collection Date/Time	Analysis Date/Time	Analyst
178073-01									
Total Phosphorus	<0.100	mg P/L		0.1	1	EPA 365.4	04/09/18 08:45	04/13/18 13:47	HK

MDL: Method Detection Limit
PQL: Practical Quantitation Limit

Erin Consuegra

04/18/2018

Erin Consuegra, QA/QC Manager

Date

This person may be contacted for questions at the number listed above.

All collection and test times are reported as central standard time.
The results shown relate only to these samples.